

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056098.D
 Acq On : 7 Jun 2019 14:31
 Operator : JC/SP
 Sample : VN0608WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:54 AM

Quant Time: Jun 08 06:19:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	301973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	439648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	394012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	153564	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.59	113	135993	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	522433	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	173965	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	65933	20.088	ug/l	100
3) Chloromethane	2.06	50	70243	21.459	ug/l	99
4) Vinyl Chloride	2.19	62	68139	20.752	ug/l	99
5) Bromomethane	2.54	94	42279	20.383	ug/l	99
6) Chloroethane	2.69	64	38447	20.195	ug/l	99
7) Trichlorofluoromethane	3.01	101	82856	19.766	ug/l	98
8) Diethyl Ether	3.40	74	33387	19.368	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53041	20.830	ug/l	99
10) Methyl Iodide	3.94	142	70919	17.526	ug/l	98
11) Tert butyl alcohol	4.82	59	47289	90.631	ug/l #	92
12) 1,1-Dichloroethene	3.72	96	50935	20.092	ug/l	99
13) Acrolein	3.60	56	11760	78.148	ug/l	97
14) Allyl chloride	4.31	41	79046	19.747	ug/l	98
15) Acrylonitrile	4.99	53	141849	111.679	ug/l	99
16) Acetone	3.82	43	129769	90.494	ug/l	96
17) Carbon Disulfide	4.04	76	104016	17.137	ug/l	99
18) Methyl Acetate	4.33	43	64222	22.481	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	165631	20.498	ug/l	98
20) Methylene Chloride	4.54	84	61583	20.844	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	54703	20.140	ug/l	95
22) Diisopropyl ether	5.95	45	169969	20.541	ug/l	99
23) Vinyl Acetate	5.90	43	680744	104.468	ug/l	100
24) 1,1-Dichloroethane	5.84	63	98266	20.587	ug/l	98
25) 2-Butanone	6.84	43	192516	106.255	ug/l	100
26) 2,2-Dichloropropane	6.82	77	65084	17.474	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	64518	20.207	ug/l	97
28) Bromochloromethane	7.19	49	46883	20.770	ug/l	98
29) Tetrahydrofuran	7.22	42	124831	111.460	ug/l	100
30) Chloroform	7.37	83	98158	20.443	ug/l	99
31) Cyclohexane	7.65	56	94619	19.887	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	79237	19.762	ug/l	100
36) 1,1-Dichloropropene	7.79	75	72125	19.079	ug/l	99
37) Ethyl Acetate	6.93	43	74881	22.262	ug/l	99
38) Carbon Tetrachloride	7.77	117	64761	18.581	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	90836	19.289	ug/l	99
40) Benzene	8.04	78	235342	20.497	ug/l	100
41) Methacrylonitrile	7.18	41	35065	22.658	ug/l	94
42) 1,2-Dichloroethane	8.12	62	74602	20.199	ug/l	99
43) Isopropyl Acetate	8.17	43	112254	20.595	ug/l #	92
44) Trichloroethene	8.83	130	66125	20.042	ug/l	100
45) 1,2-Dichloropropane	9.12	63	61425	20.886	ug/l	99
46) Dibromomethane	9.21	93	39528	20.553	ug/l	98
47) Bromodichloromethane	9.40	83	66887	19.190	ug/l	100
48) Methyl methacrylate	9.20	41	57980	21.743	ug/l	98
49) 1,4-Dioxane	9.20	88	23148	402.094	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	369664	108.452	ug/l	99
52) Toluene	10.15	92	147477	20.641	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	68016	18.243	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	81601	19.476	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	59533	21.035	ug/l	97
56) Ethyl methacrylate	10.43	69	85247	20.647	ug/l	99
57) 1,3-Dichloropropane	10.71	76	95058	20.661	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	156446	104.756	ug/l	100
59) 2-Hexanone	10.75	43	258060	104.459	ug/l	99
60) Dibromochloromethane	10.90	129	55541	19.373	ug/l	99
61) 1,2-Dibromoethane	11.00	107	60002	20.739	ug/l	97
64) Tetrachloroethene	10.63	164	64823	19.006	ug/l	98
65) Chlorobenzene	11.43	112	157184	20.045	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	53916	19.913	ug/l	99
67) Ethyl Benzene	11.51	91	275912	20.235	ug/l	100
68) m/p-Xylenes	11.62	106	207879	39.909	ug/l	99
69) o-Xylene	11.95	106	103538	20.208	ug/l	98
70) Styrene	11.96	104	165580	20.339	ug/l	100
71) Bromoform	12.13	173	36001	17.711	ug/l #	100
73) Isopropylbenzene	12.25	105	272008	21.892	ug/l	99
74) N-amyl acetate	12.07	43	93917	21.468	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	82614	21.684	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	70506m	23.348	ug/l	
77) Bromobenzene	12.53	156	72173	20.540	ug/l	96
78) n-propylbenzene	12.59	91	282885	20.375	ug/l	100
79) 2-Chlorotoluene	12.67	91	177020	21.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	223513	20.256	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	16167	17.829	ug/l #	80
82) 4-Chlorotoluene	12.77	91	163773	20.162	ug/l	99
83) tert-Butylbenzene	12.99	119	198967	21.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	217603	20.795	ug/l	99
85) sec-Butylbenzene	13.17	105	251207	20.430	ug/l	100
86) p-Isopropyltoluene	13.29	119	227118	20.639	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	111033	20.417	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	105244	20.118	ug/l	100
89) n-Butylbenzene	13.61	91	163441	20.050	ug/l	99
90) Hexachloroethane	13.87	117	31678	19.088	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	113083	20.596	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11489	21.084	ug/l	96

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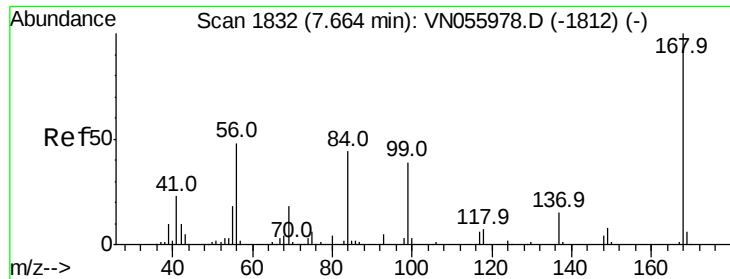
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48052	18.795	ug/l	98
94) Hexachlorobutadiene	15.01	225	42029	21.114	ug/l	100
95) Naphthalene	15.13	128	137692	20.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57628	20.588	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion:168 Resp: 301973

Ion Ratio Lower Upper

168 100

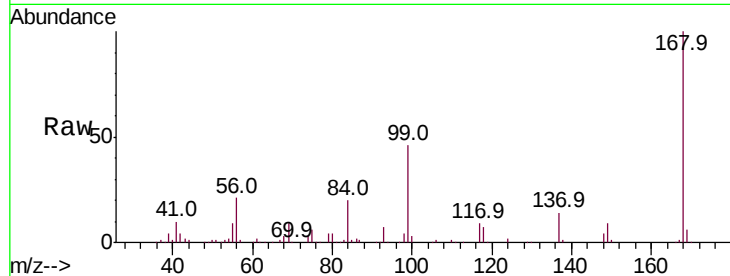
99 45.6 37.2 55.8

Manual Integrations

APPROVED

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6/10/2019 11:26:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

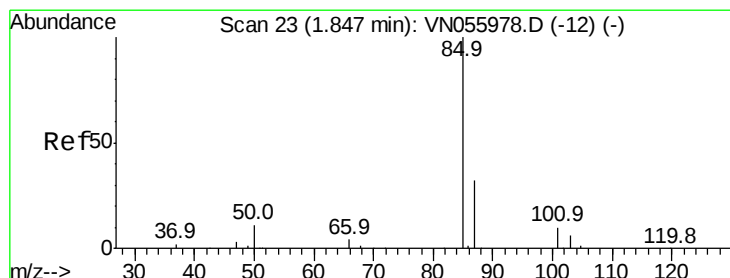
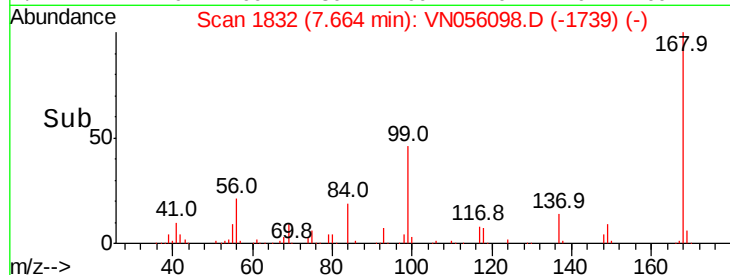
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50000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 20.088 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056098.D

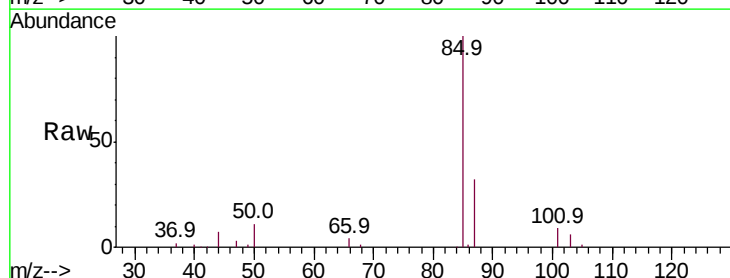
Acq: 7 Jun 2019 14:31

Tgt Ion: 85 Resp: 65933

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

50000

40000

30000

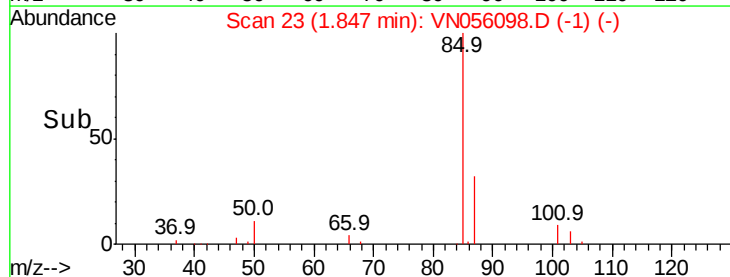
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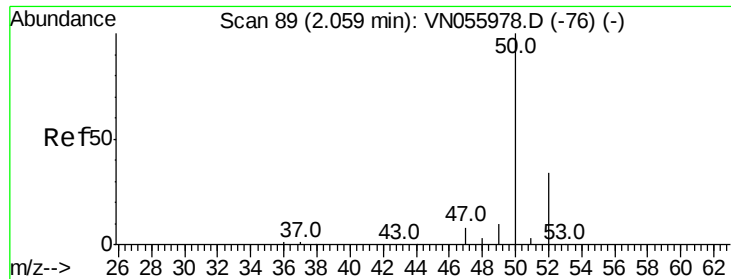
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Time-->

1.80 1.85 1.90 1.95





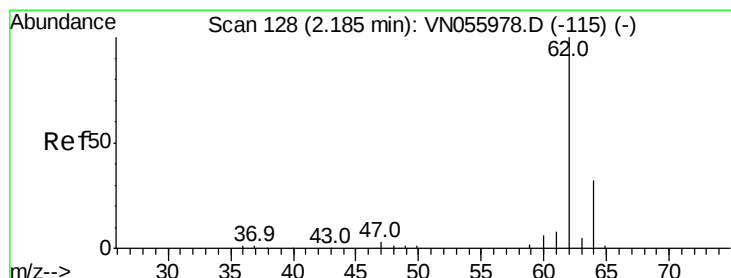
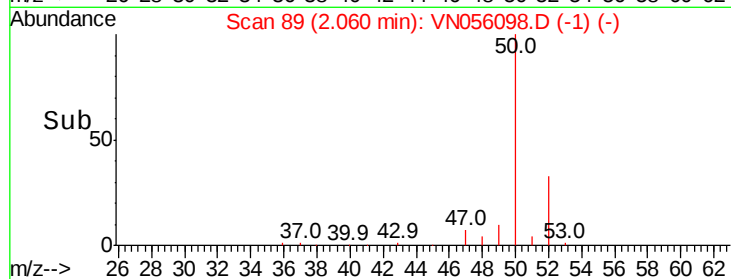
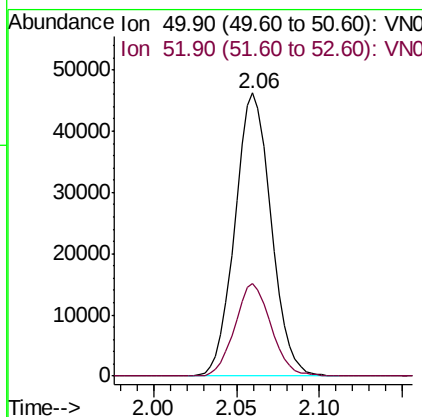
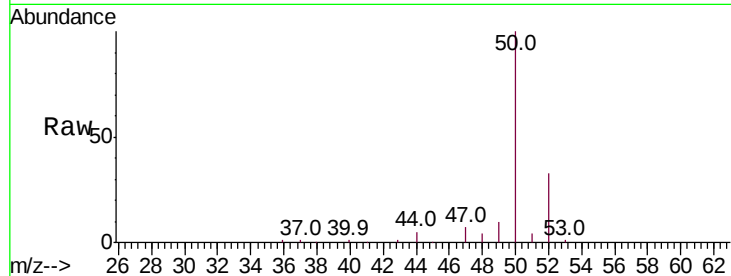
#3
Chloromethane
Concen: 21.459 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD02

Tot Ion: 50 Resp: 70243
Ion Ratio Lower Upper
50 100
52 32.9 26.6 40.0

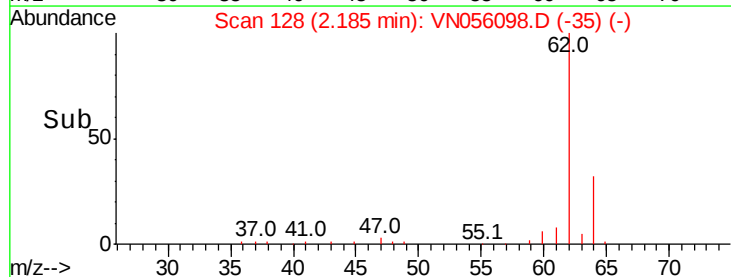
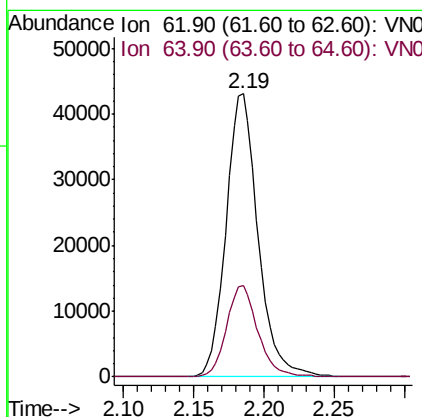
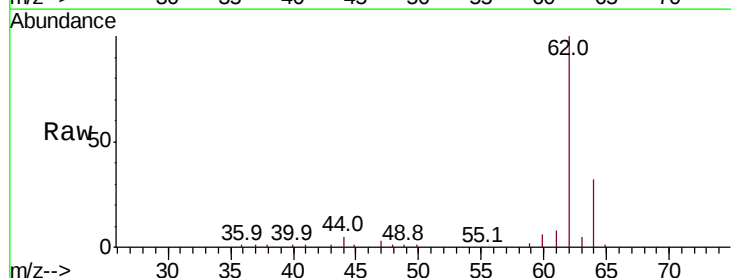
Manual Integrations
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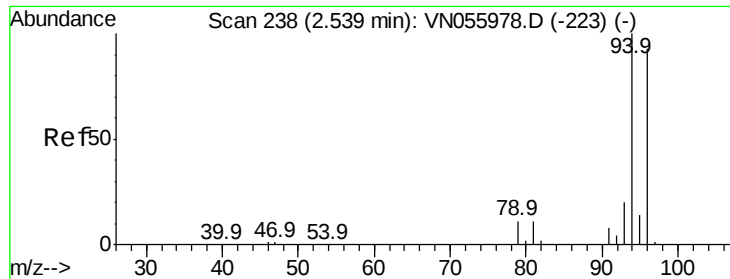
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#4
Vinyl Chloride
Concen: 20.752 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 62 Resp: 68139
Ion Ratio Lower Upper
62 100
64 32.4 25.6 38.4





#5

Bromomethane

Concen: 20.383 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 94 Resp: 42279

Ion Ratio Lower Upper

94 100

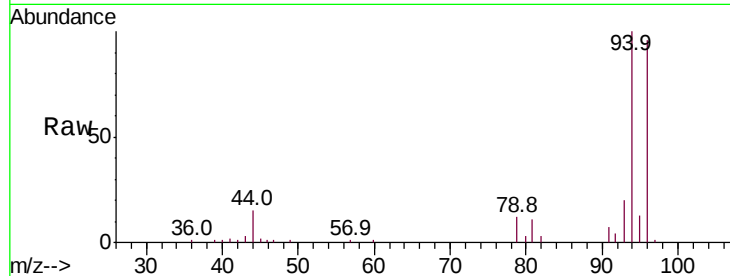
96 95.6 75.5 113.3

Manual Integrations

APPROVED

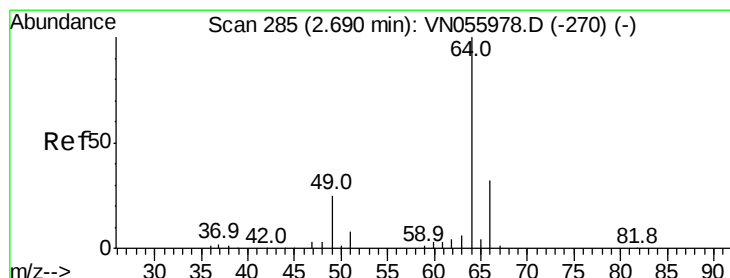
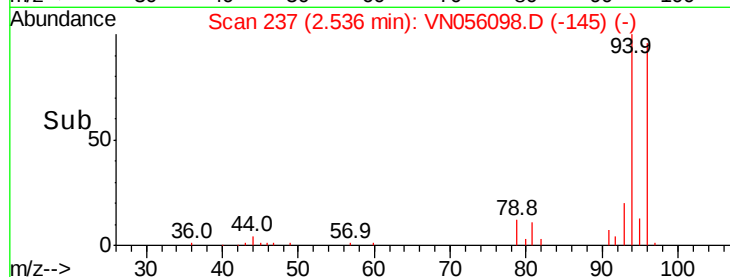
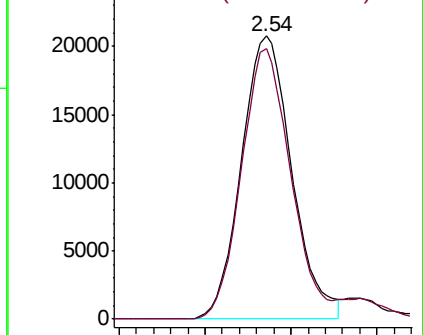
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.195 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056098.D

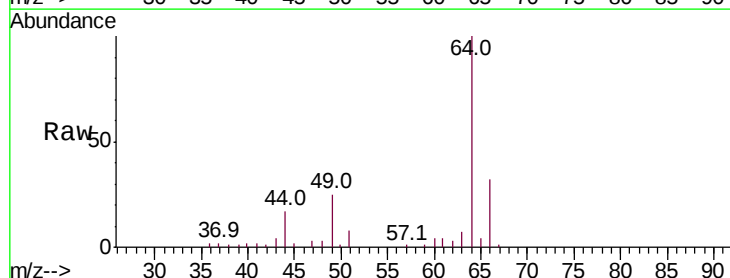
Acq: 7 Jun 2019 14:31

Tgt Ion: 64 Resp: 38447

Ion Ratio Lower Upper

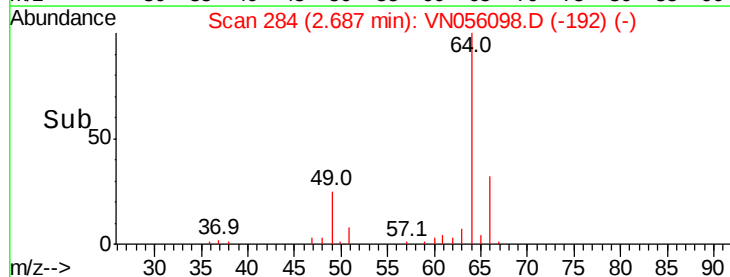
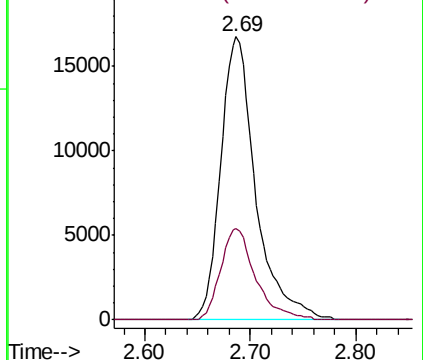
64 100

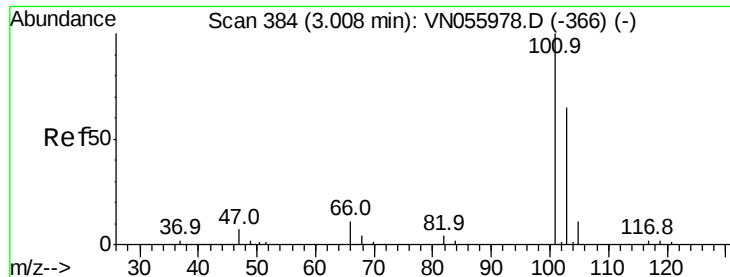
66 32.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

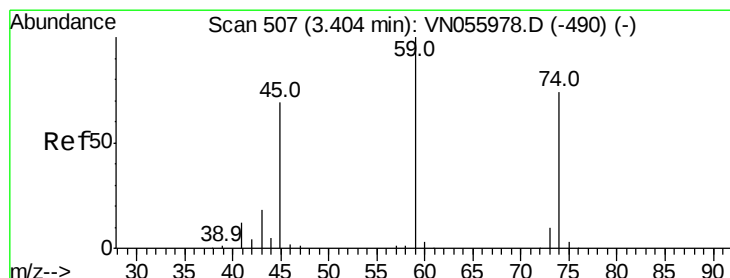
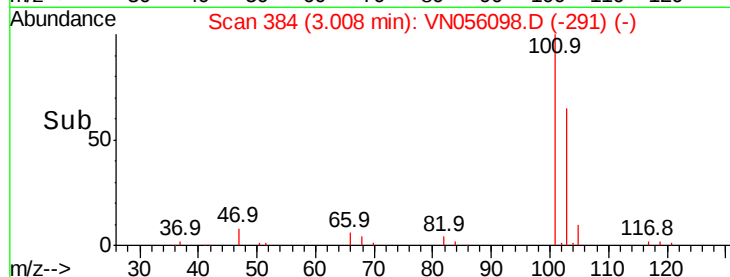
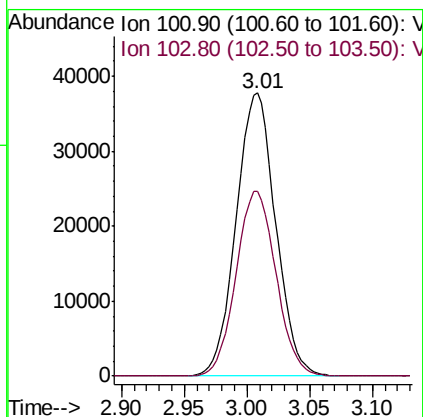
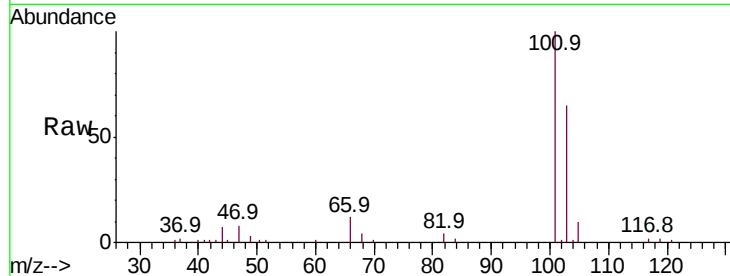
Trichlorofluoromethane
Concen: 19.766 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion:101 Resp: 82856
Ion Ratio Lower Upper
101 100
103 65.5 51.2 76.8

Manual Integrations
APPROVED

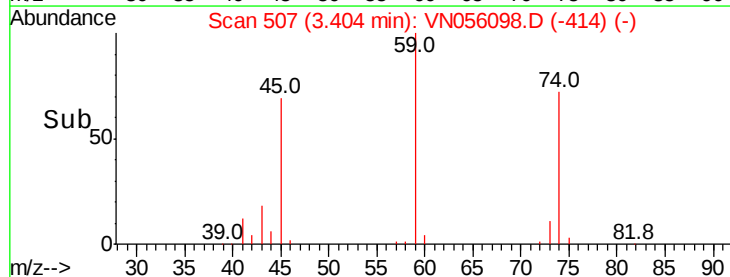
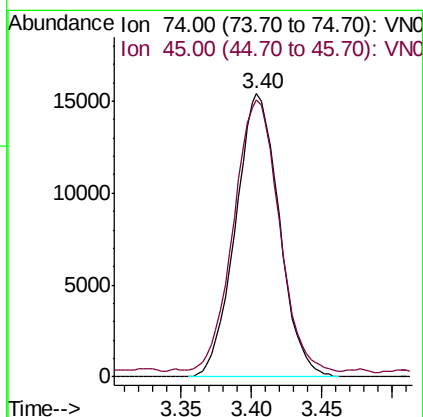
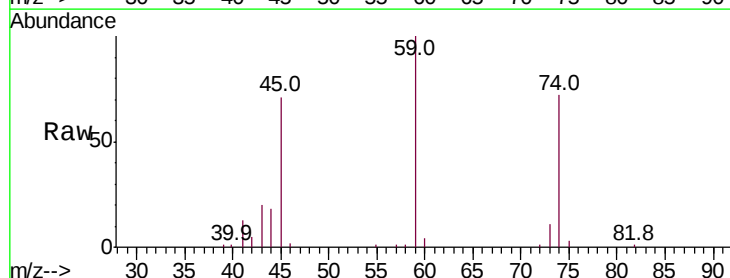
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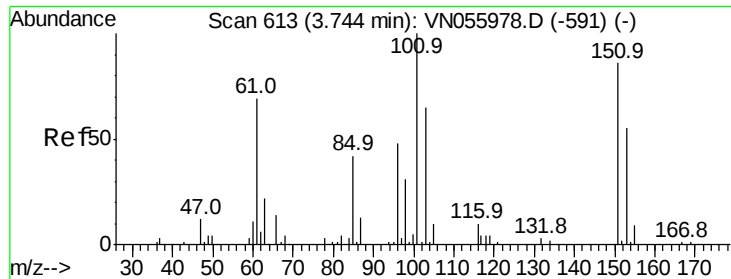


#8

Diethyl Ether
Concen: 19.368 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 74 Resp: 33387
Ion Ratio Lower Upper
74 100
45 99.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.830 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

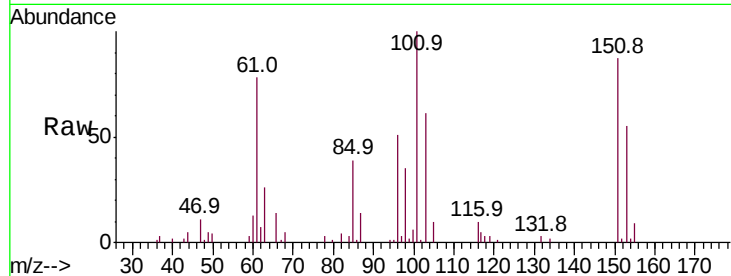
ClientSampleId :

VN0608WBSD02

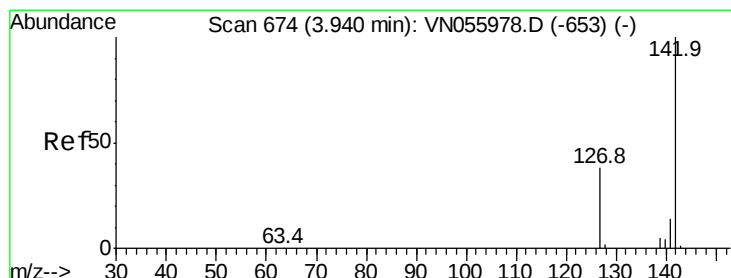
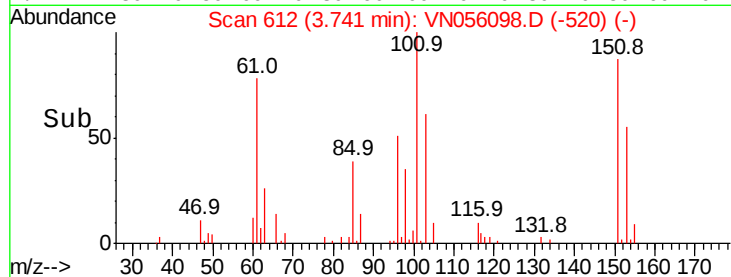
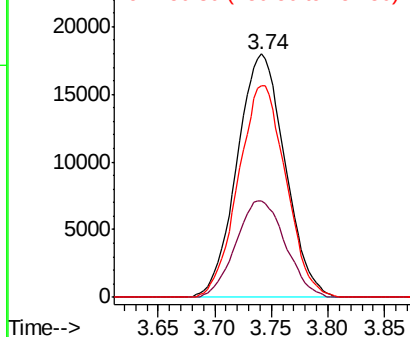
Tot Ion:	101	Resp:	53041
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.4	50.2
151	86.2	69.4	104.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.526 ug/l

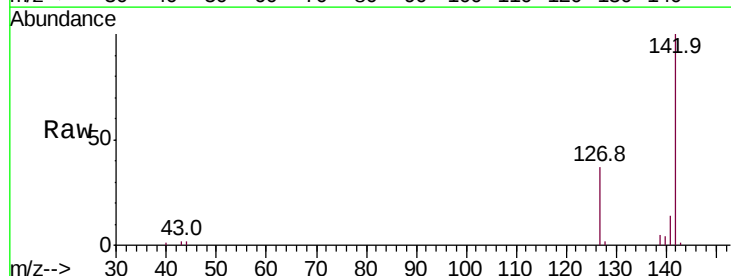
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

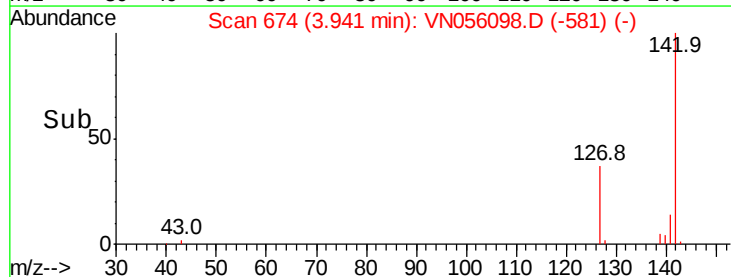
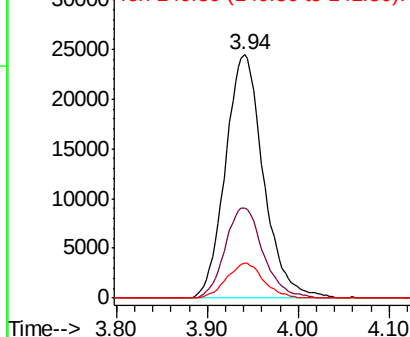
Lab File: VN056098.D

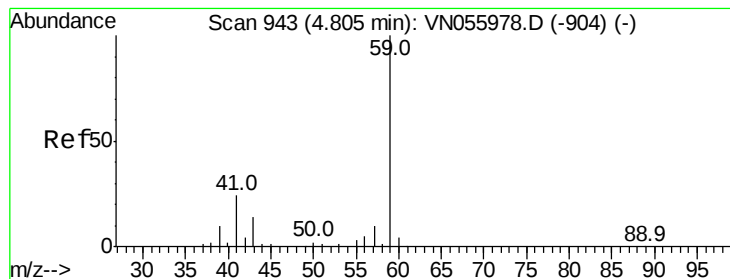
Acq: 7 Jun 2019 14:31

Tgt Ion:	142	Resp:	70919
Ion Ratio	Lower	Upper	
142	100		
127	37.0	31.0	46.4
141	13.8	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

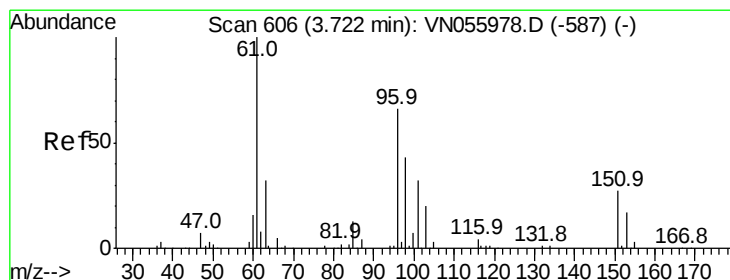
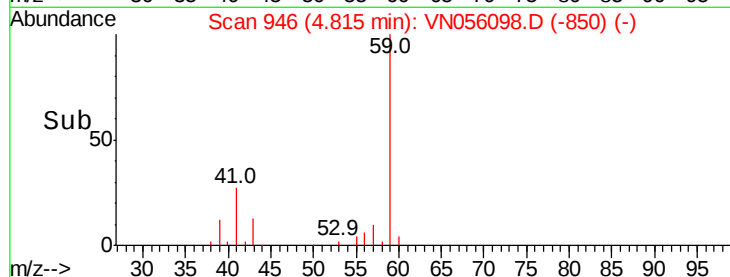
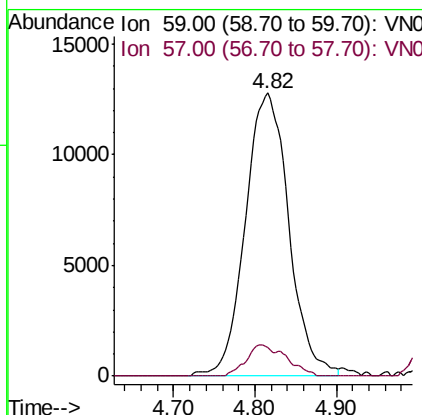
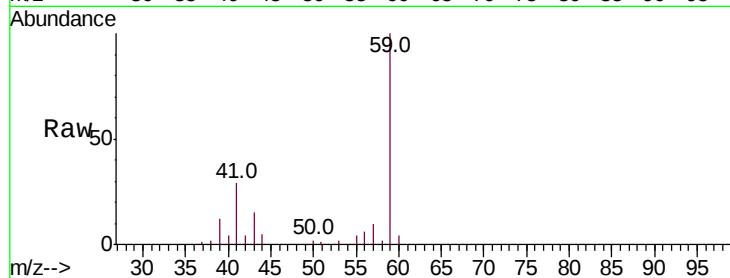
Tert butyl alcohol
 Concen: 90.631 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.6	7.8	11.6#

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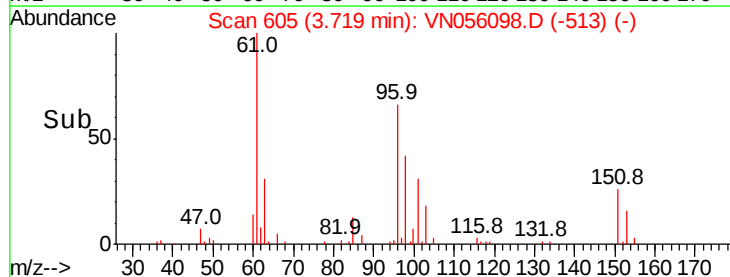
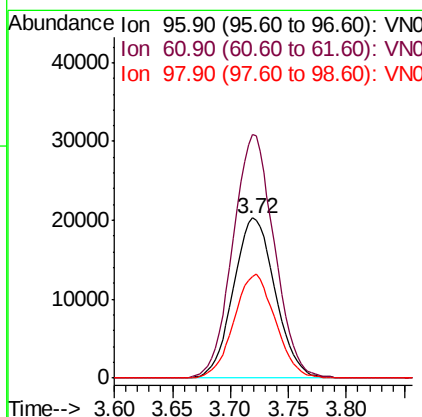
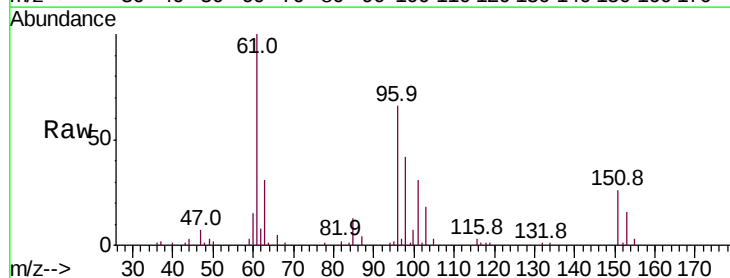
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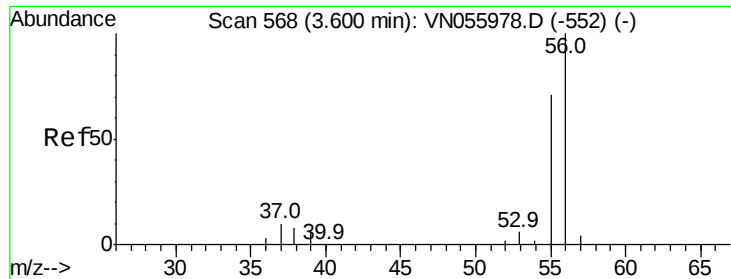


#12

1,1-Dichloroethene
 Concen: 20.092 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	123.2	184.8
98	63.8	50.4	75.6





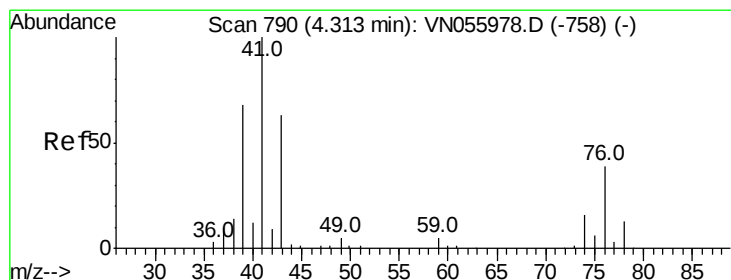
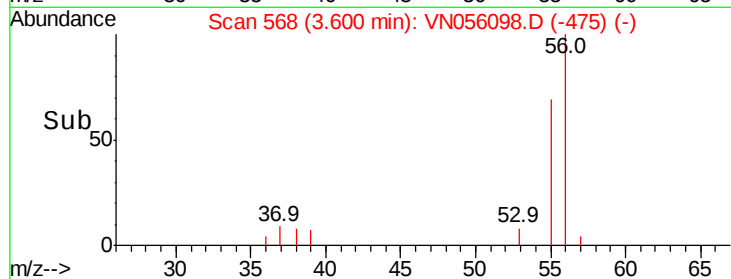
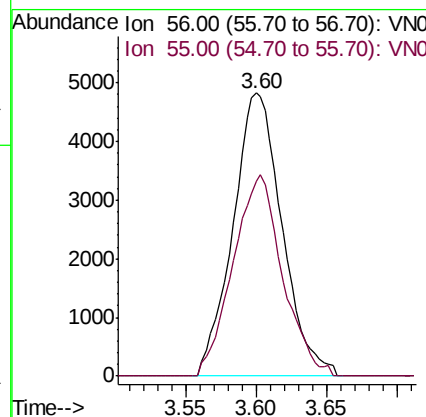
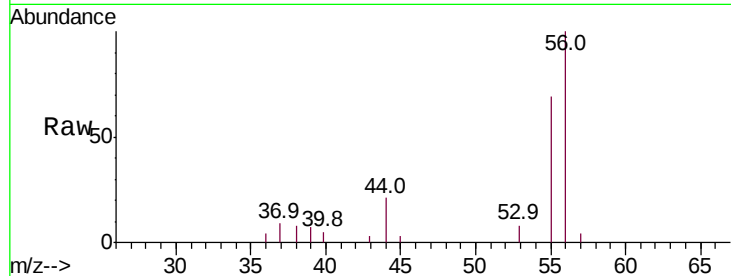
#13
Acrolein
Concen: 78.148 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion: 56 Resp: 11760
Ion Ratio Lower Upper
56 100
55 71.5 55.4 83.2

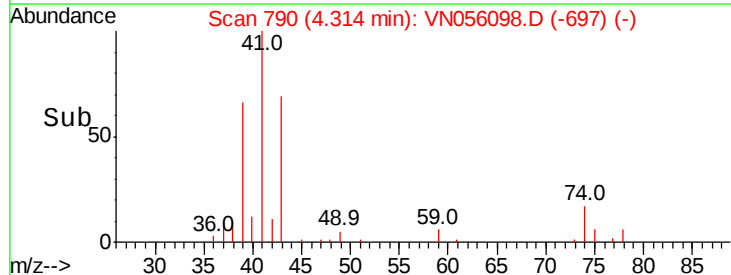
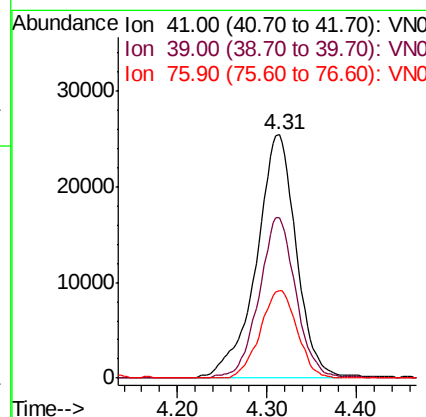
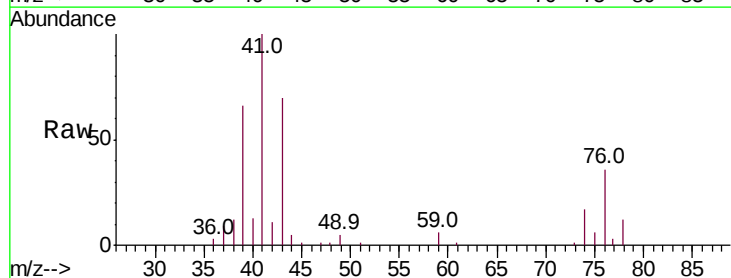
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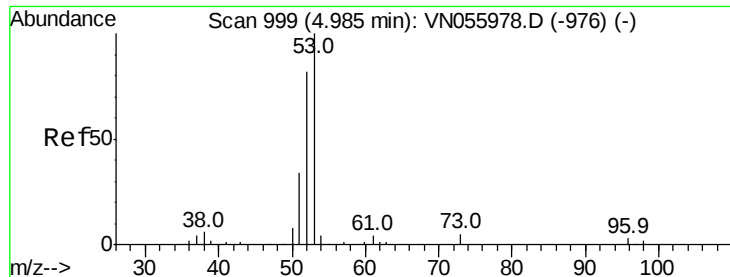
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#14
Allyl chloride
Concen: 19.747 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 41 Resp: 79046
Ion Ratio Lower Upper
41 100
39 61.3 50.0 75.0
76 33.1 28.2 42.2





#15

Acrylonitrile

Concen: 111.679 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

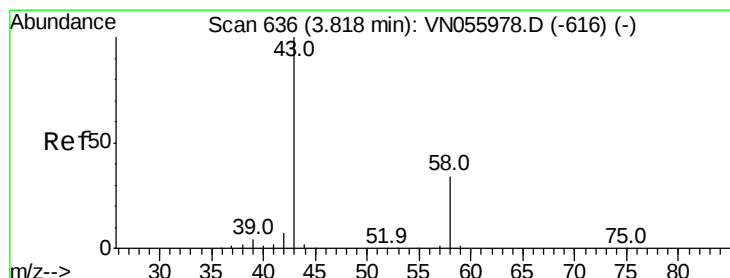
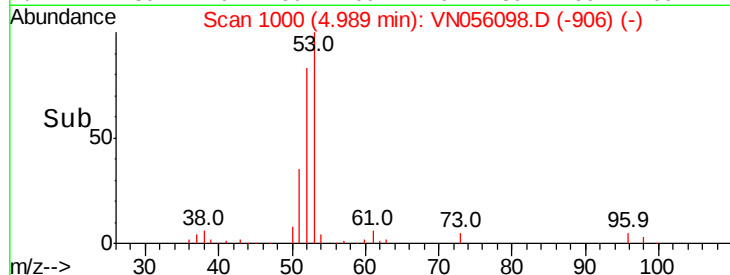
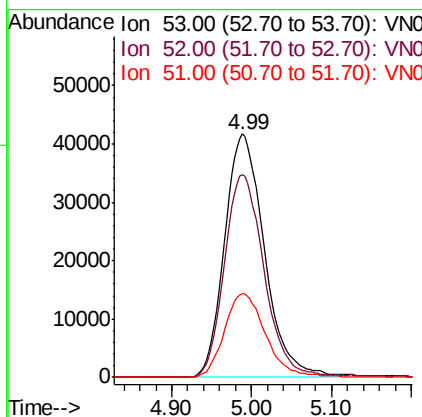
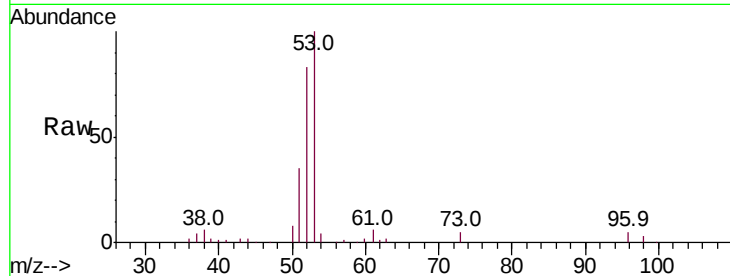
ClientSampleId :

VN0608WBSD02

Tot Ion:	53	Resp:	141849
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.8	98.8
51	35.6	28.2	42.4

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#16

Acetone

Concen: 90.494 ug/l

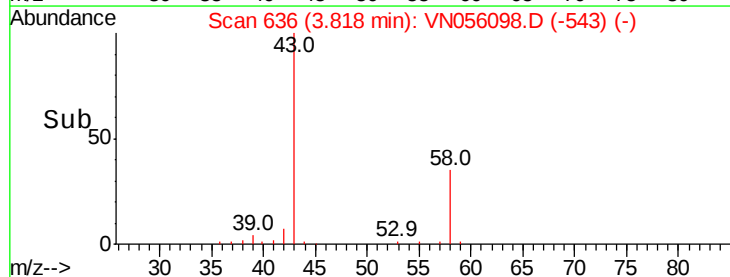
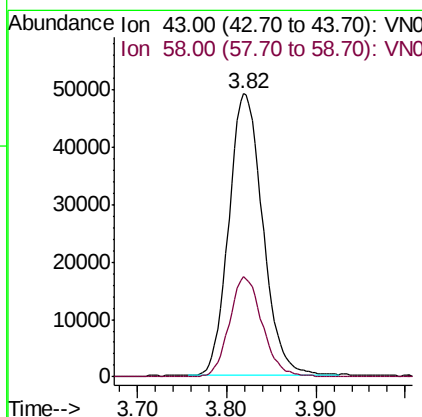
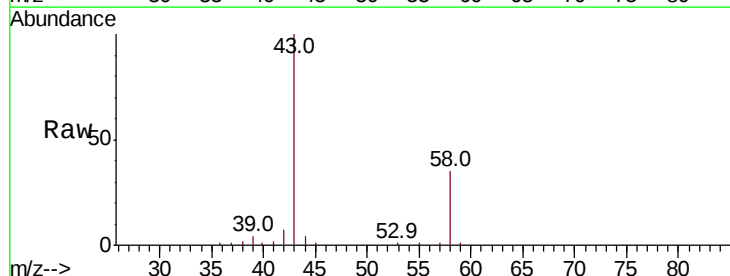
RT: 3.82 min Scan# 636

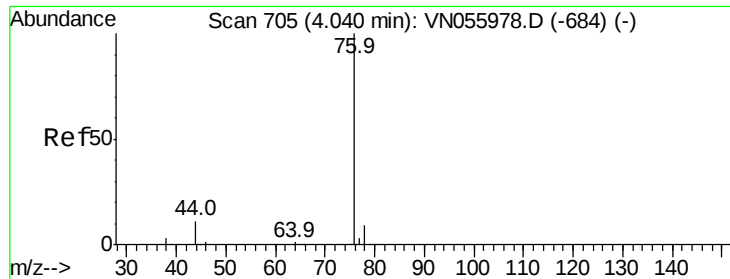
Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion:	43	Resp:	129769
Ion	Ratio	Lower	Upper
43	100		
58	35.4	26.6	39.8





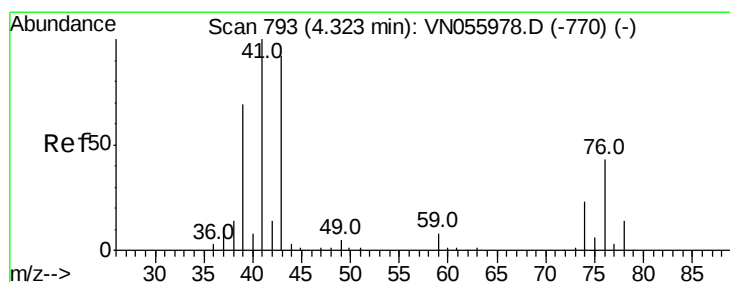
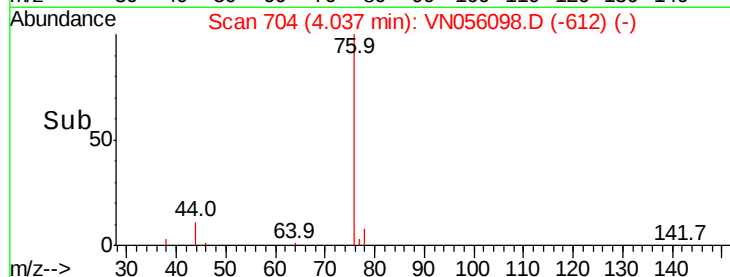
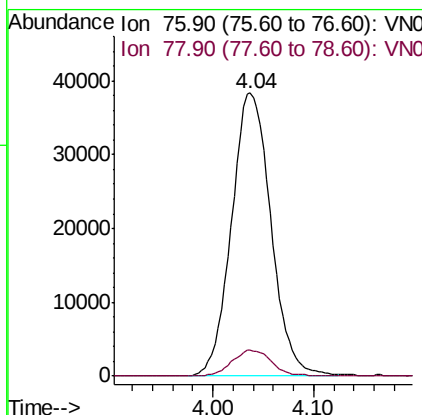
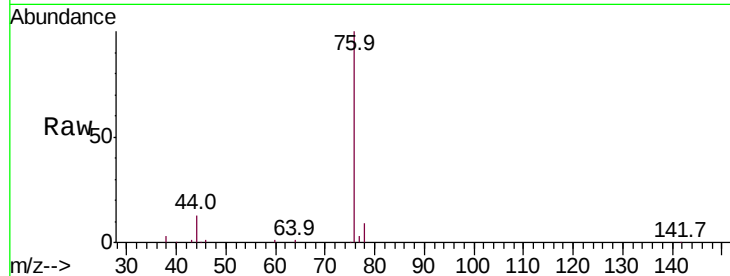
#17
Carbon Disulfide
Concen: 17.137 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

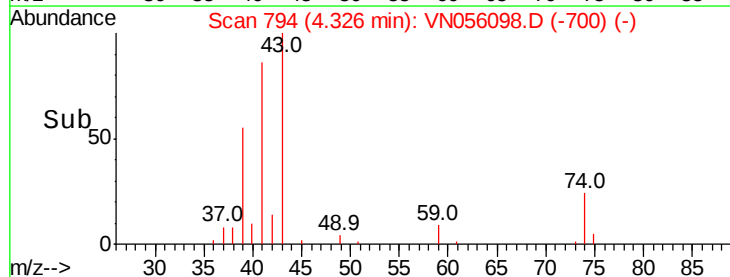
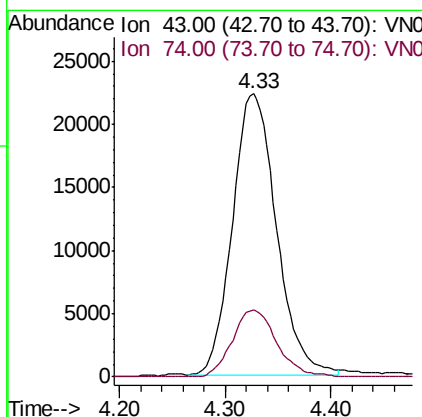
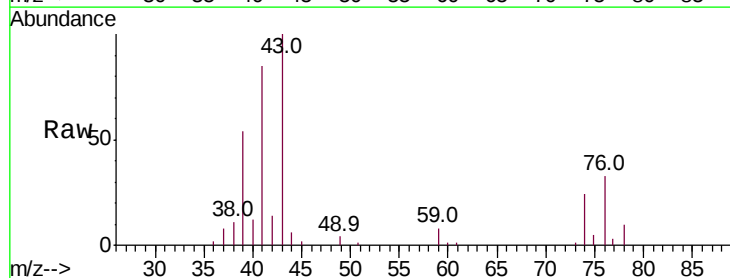
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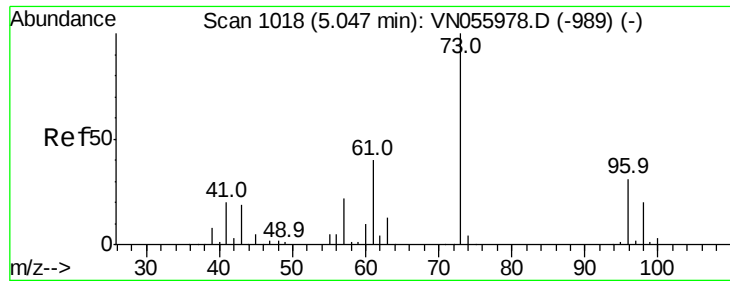
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#18
Methyl Acetate
Concen: 22.481 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.3	28.9





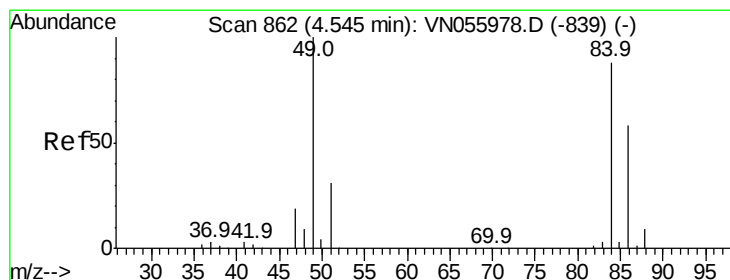
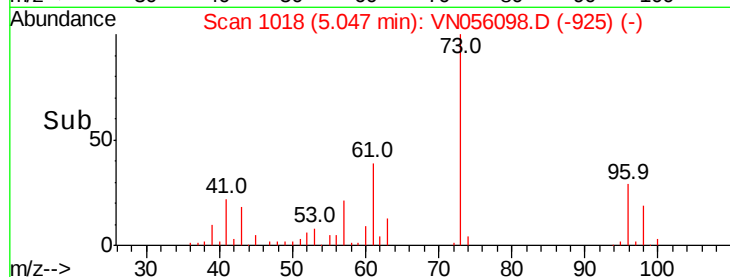
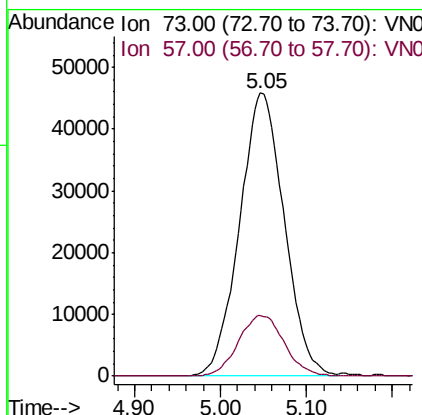
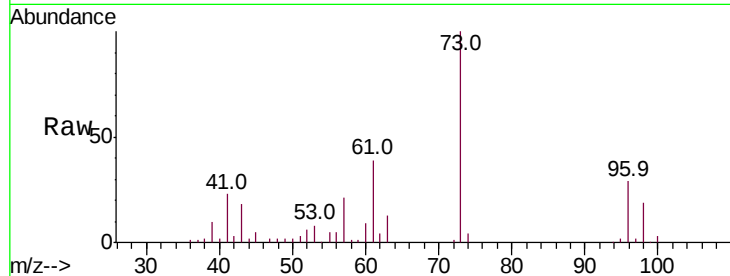
#19
Methvl tert-butvl Ether
Concen: 20.498 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion: 73 Resp: 165631
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.8

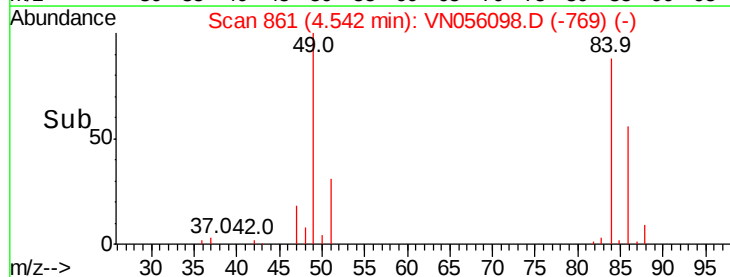
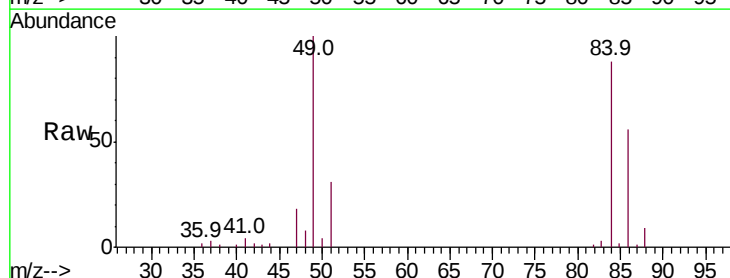
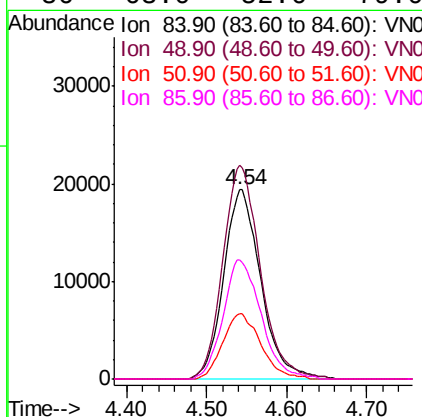
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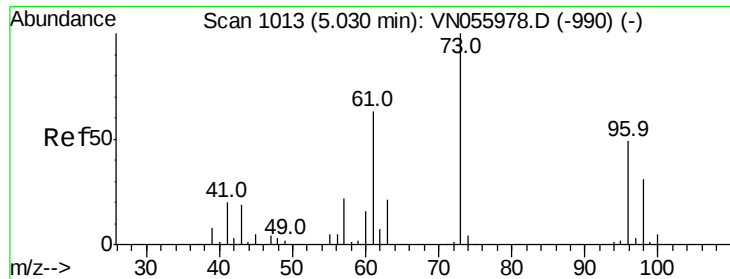
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#20
Methylene Chloride
Concen: 20.844 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 84 Resp: 61583
Ion Ratio Lower Upper
84 100
49 113.0 93.5 140.3
51 34.9 28.6 43.0
86 63.0 52.6 79.0





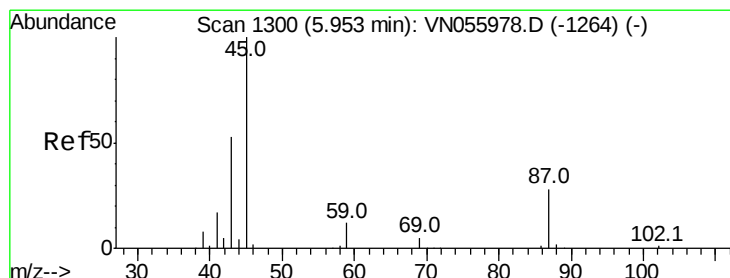
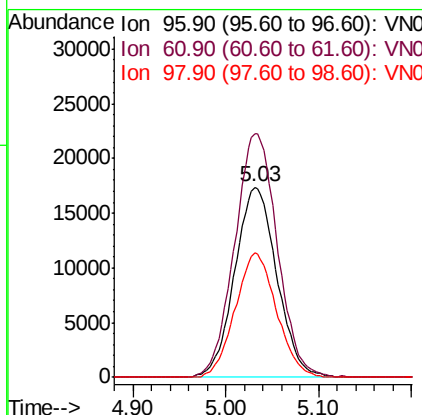
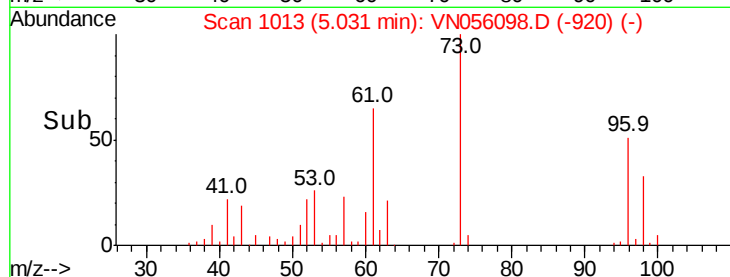
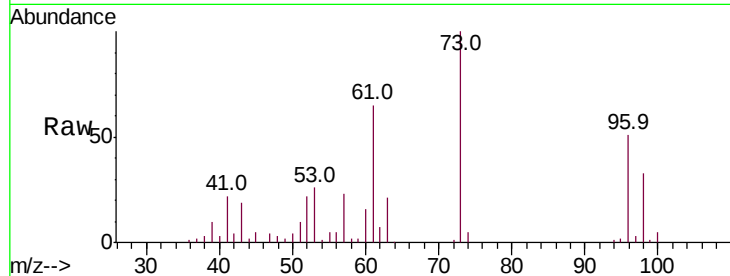
#21
trans-1,2-Dichloroethene
Concen: 20.140 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	107.8	161.8
98	65.4	49.8	74.8

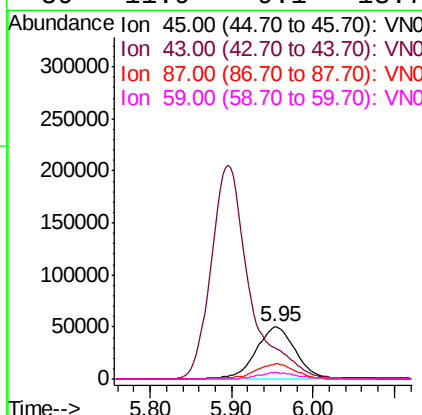
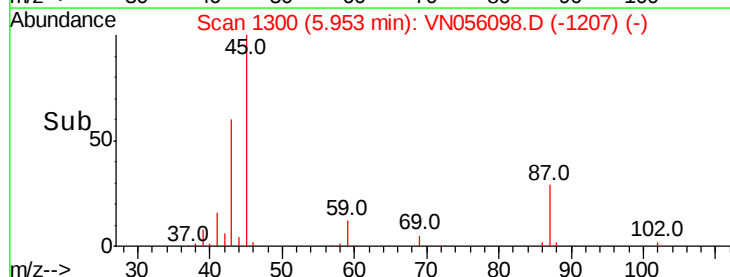
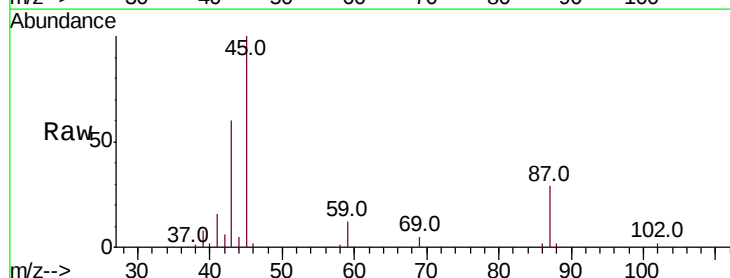
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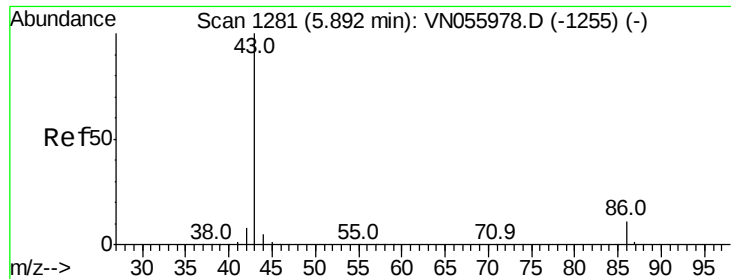
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#22
Diisopropyl ether
Concen: 20.541 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	45.0	67.6
87	28.5	22.2	33.4
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 104.468 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

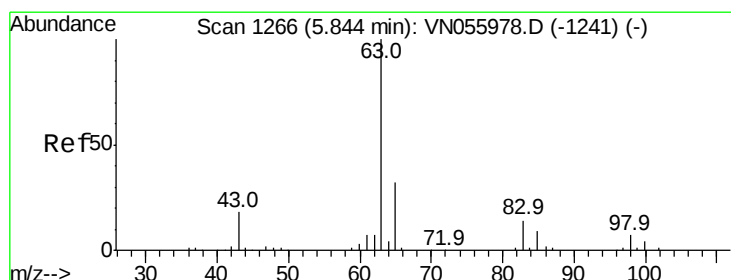
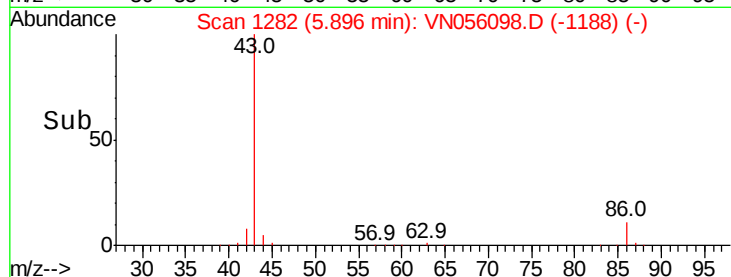
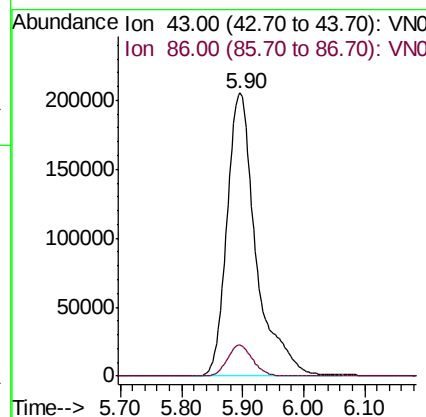
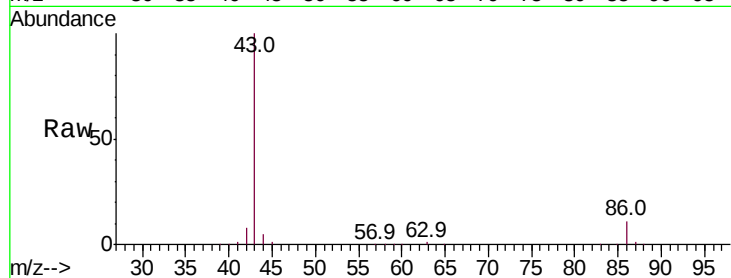
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion: 43 Resp: 680744

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	13.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.587 ug/l

RT: 5.84 min Scan# 1266

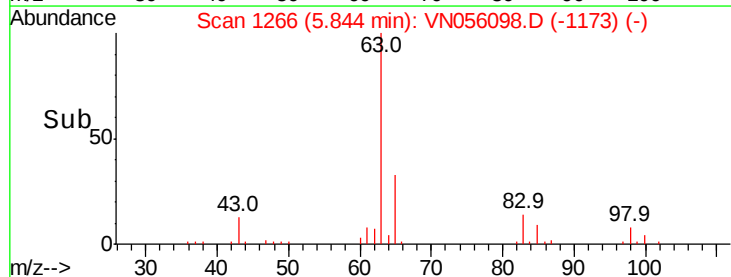
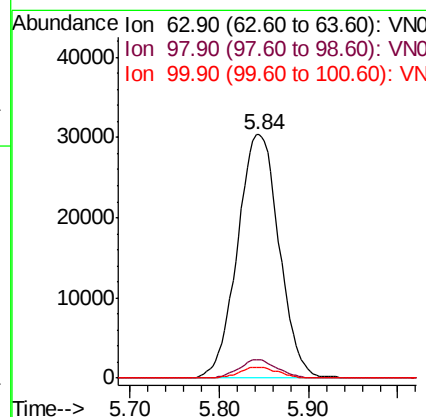
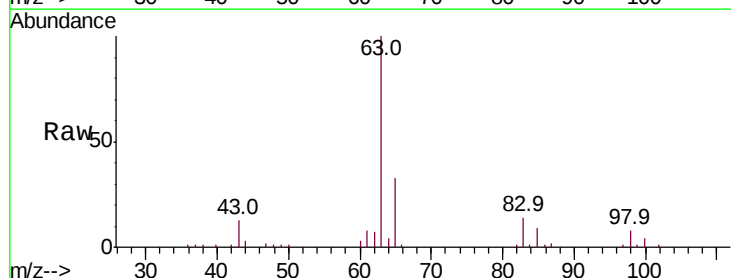
Delta R.T. 0.00 min

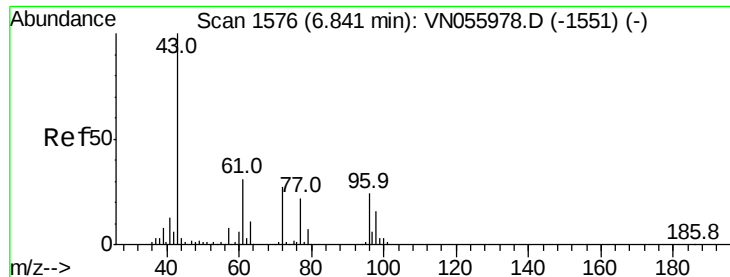
Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion: 63 Resp: 98266

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.4	10.1
100	4.2	2.2	6.6





#25

2-Butanone

Concen: 106.255 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 43 Resp: 192516

Ion Ratio Lower Upper

43 100

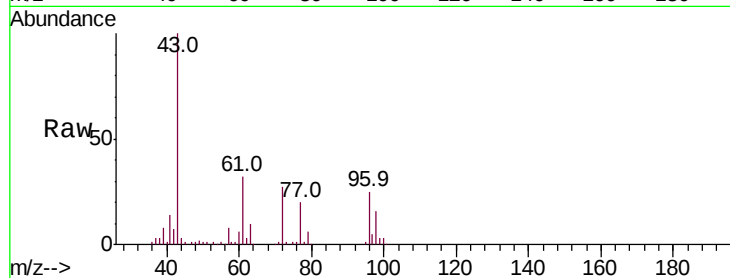
72 27.3 21.9 32.9

Manual Integrations

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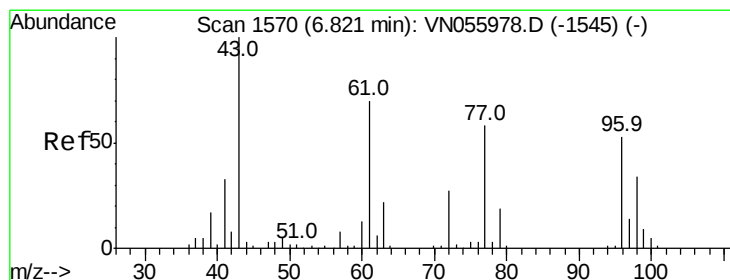
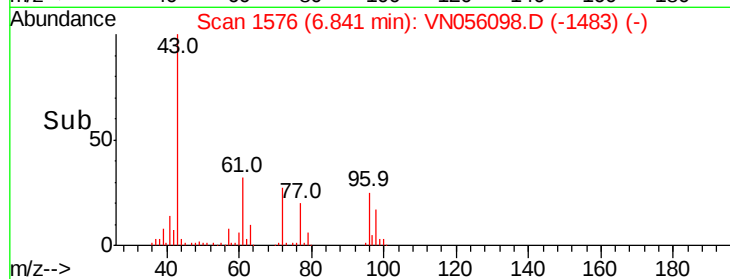
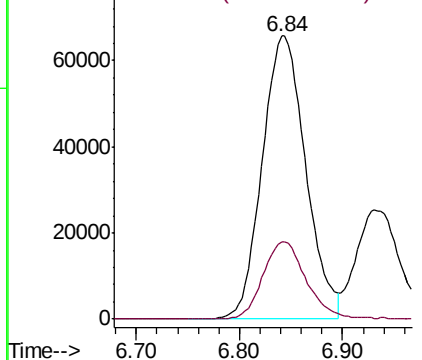
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.474 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056098.D

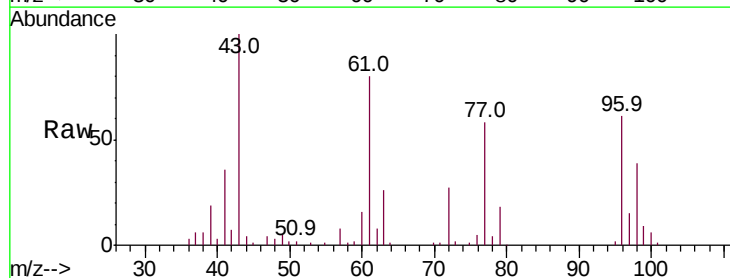
Acq: 7 Jun 2019 14:31

Tgt Ion: 77 Resp: 65084

Ion Ratio Lower Upper

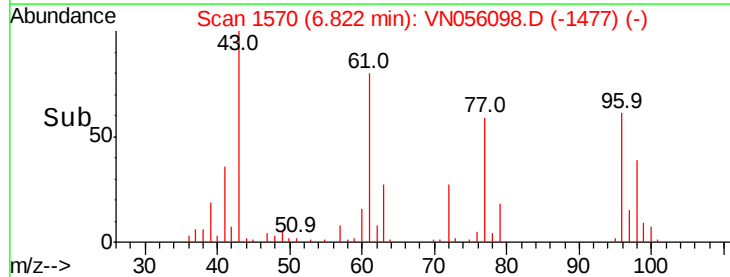
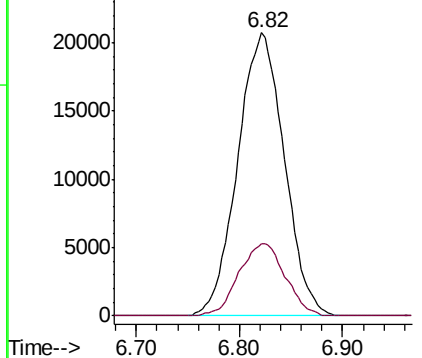
77 100

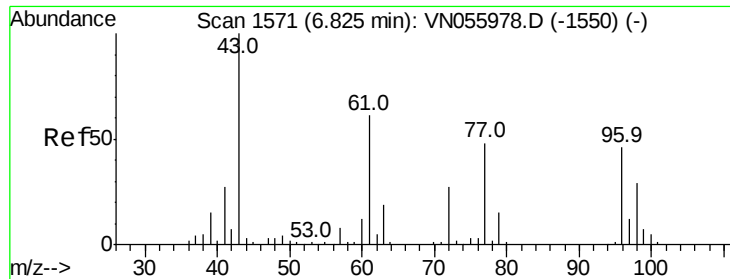
97 25.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.207 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

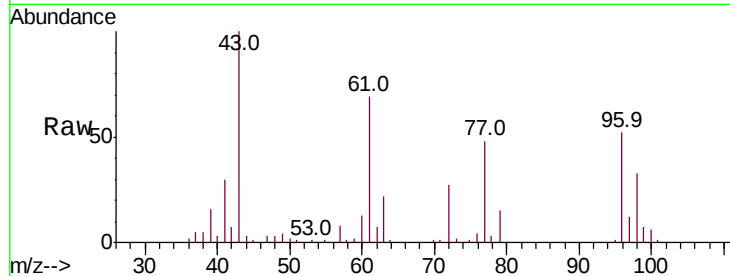
ClientSampleId :

VN0608WBSD02

Tot Ion:	96	Resp:	64518
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	275.8
98	64.4	0.0	128.4

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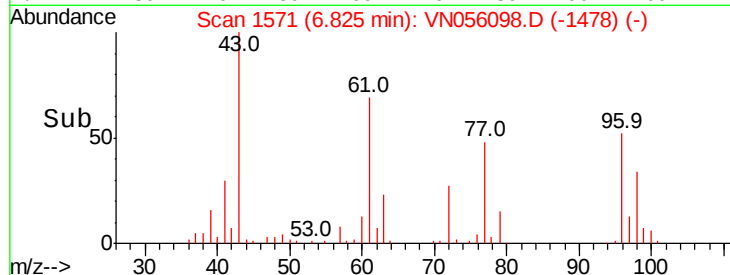


Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1550) (-)

Time-->

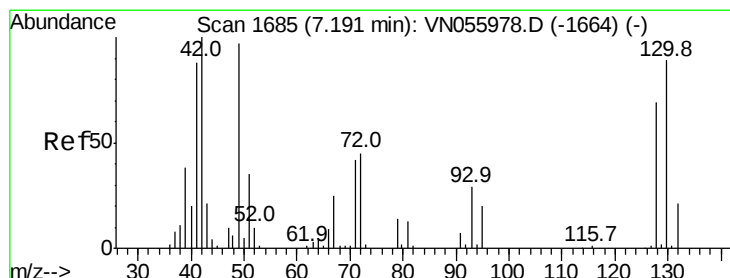


Abundance Ion 95.90 (95.60 to 96.60): VN056098.D (-1478) (-)

Ion 60.90 (60.60 to 61.60): VN056098.D (-1478) (-)

Ion 97.90 (97.60 to 98.60): VN056098.D (-1478) (-)

Time-->



#28

Bromochloromethane

Concen: 20.770 ug/l

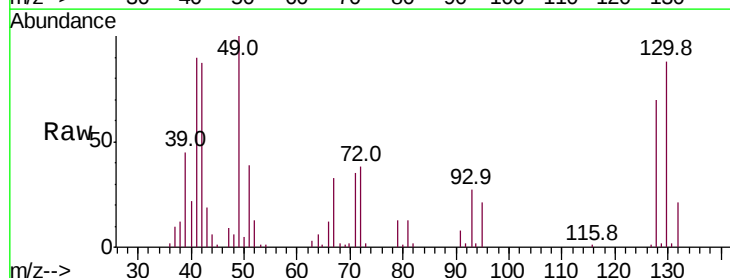
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion:	49	Resp:	46883
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	91.3	71.2	106.8

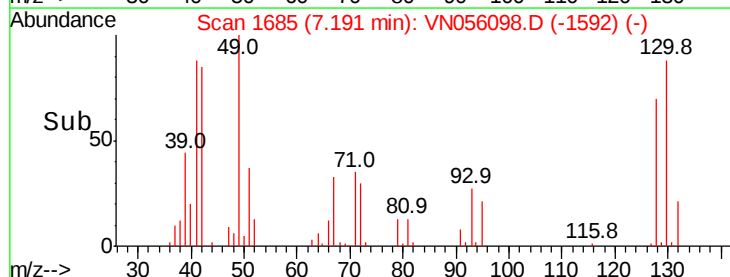


Abundance Ion 48.90 (48.60 to 49.60): VN055978.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN055978.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN055978.D (-1664) (-)

Time-->

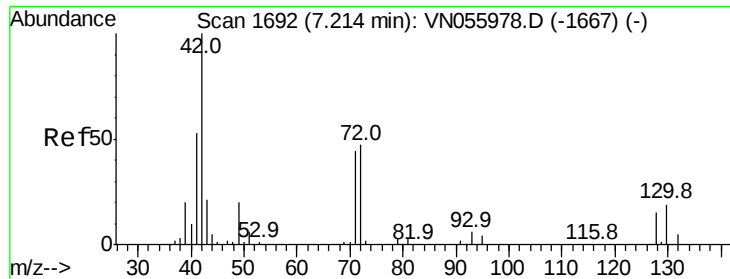


Abundance Ion 48.90 (48.60 to 49.60): VN056098.D (-1592) (-)

Ion 128.80 (128.50 to 129.50): VN056098.D (-1592) (-)

Ion 129.80 (129.50 to 130.50): VN056098.D (-1592) (-)

Time-->



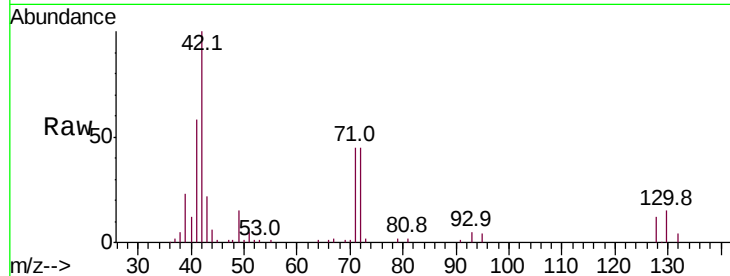
#29
Tetrahydrofuran
Concen: 111.460 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

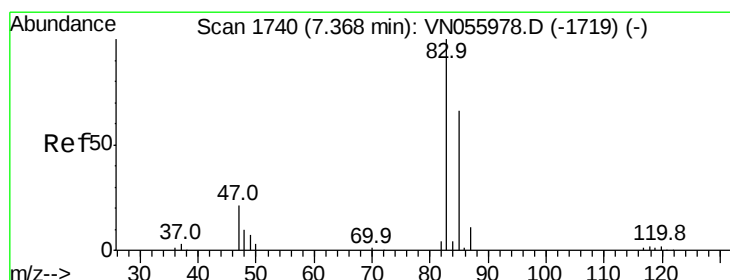
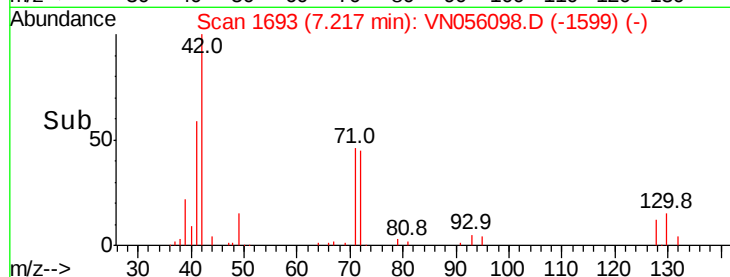
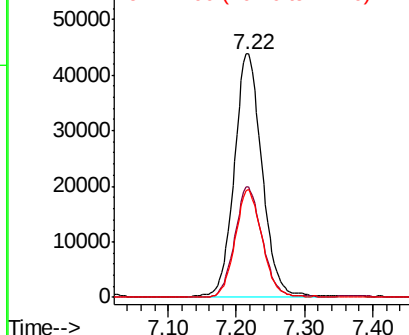
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.9	53.9
71	42.6	34.0	51.0

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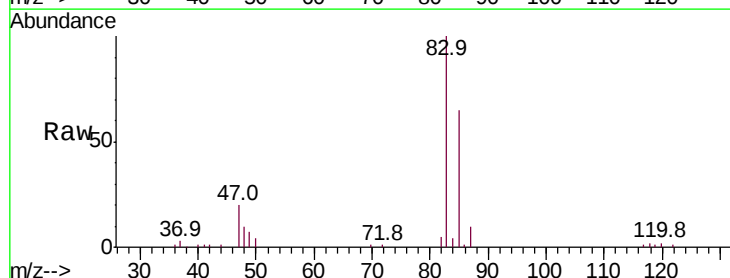


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

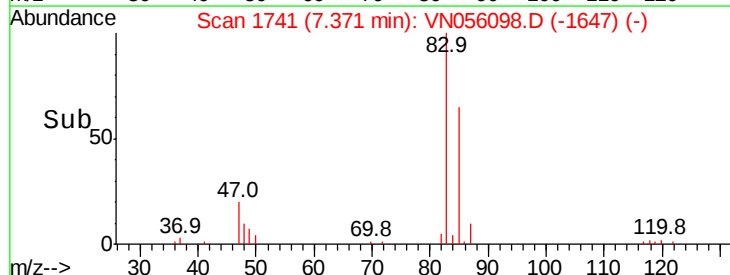
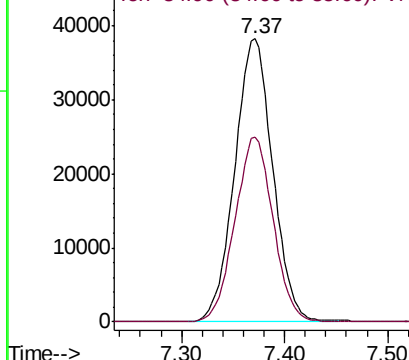


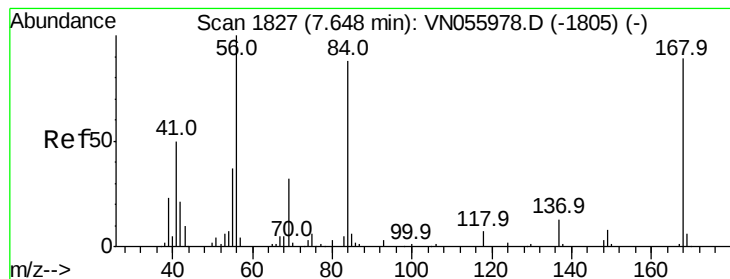
#30
Chloroform
Concen: 20.443 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.887 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 56 Resp: 94619

Ion Ratio Lower Upper

56 100

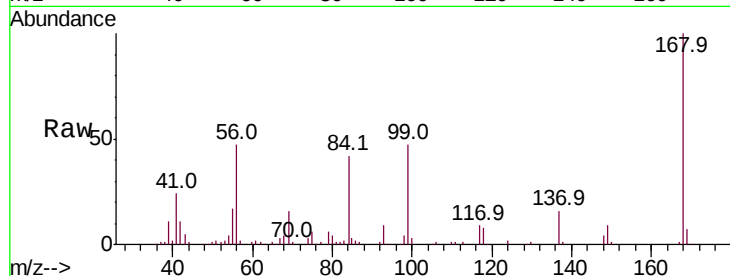
69 34.8 25.6 38.4

84 87.6 67.4 101.0

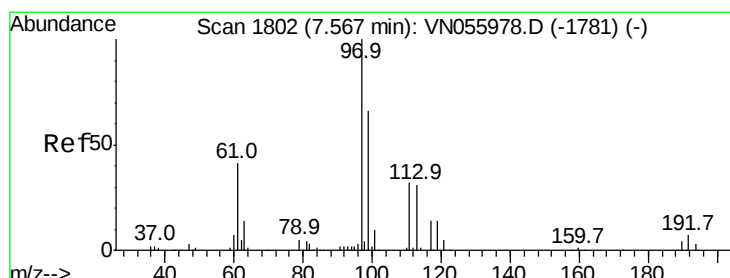
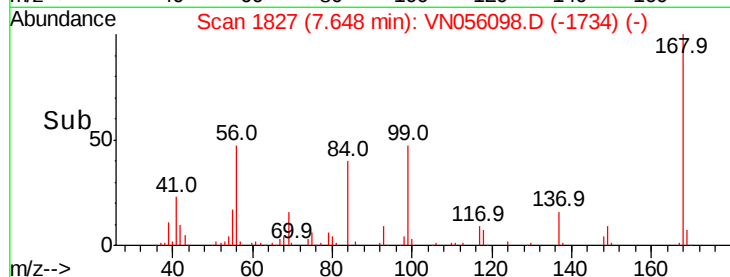
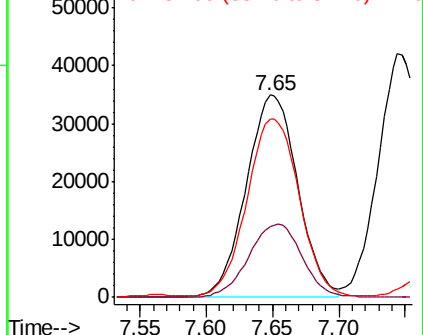
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 19.762 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

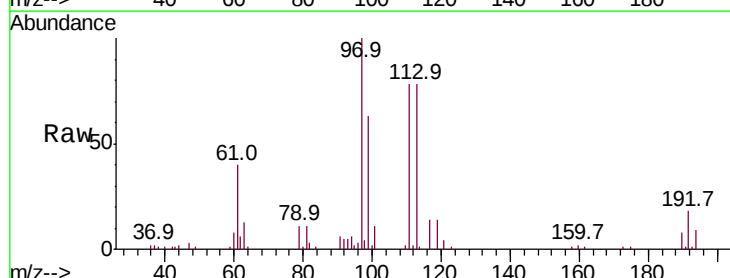
Tgt Ion: 97 Resp: 79237

Ion Ratio Lower Upper

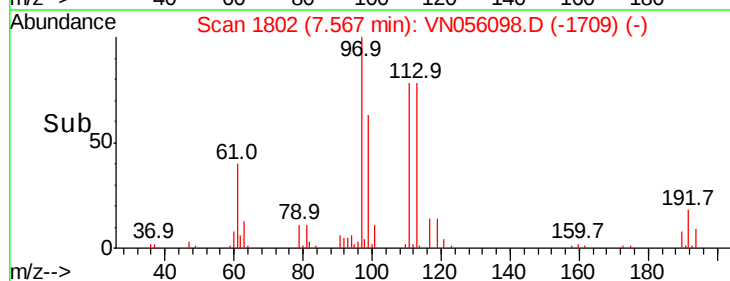
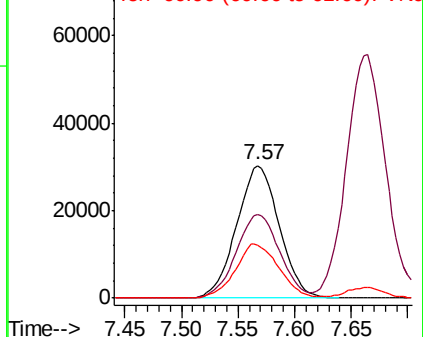
97 100

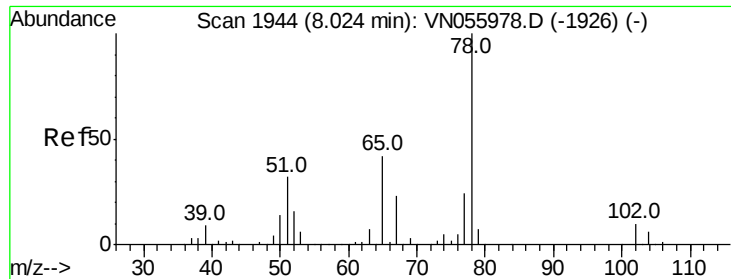
99 64.8 52.0 78.0

61 41.6 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





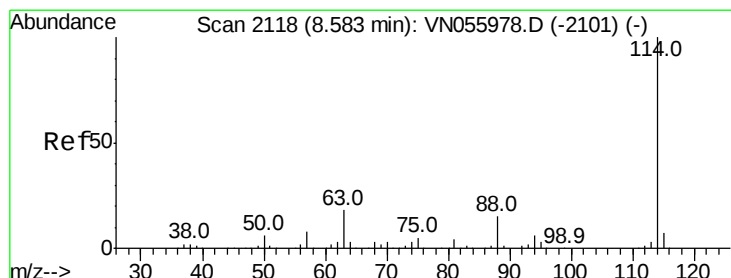
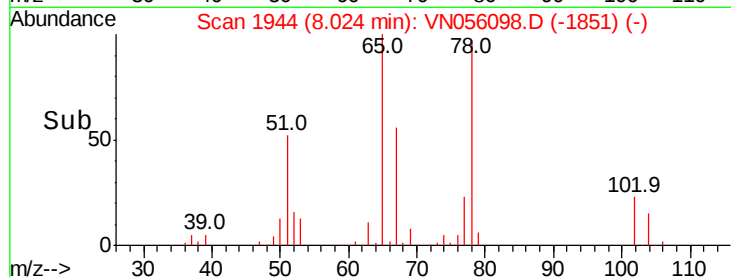
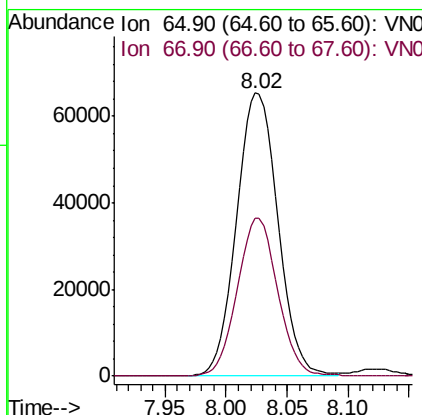
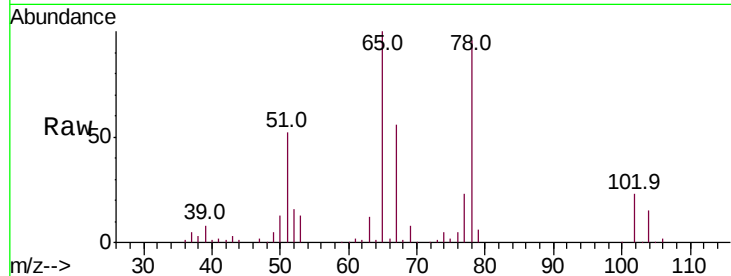
#33
 1,2-Dichloroethane-d4
 Concen: 51.216 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	109.2	

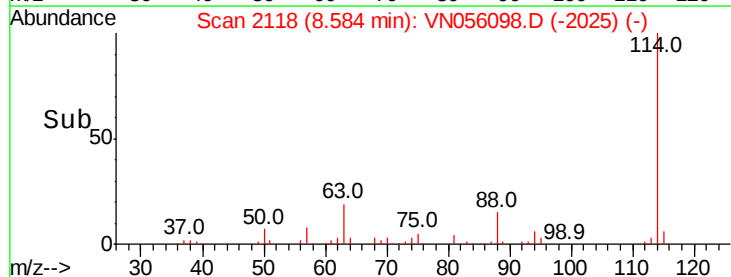
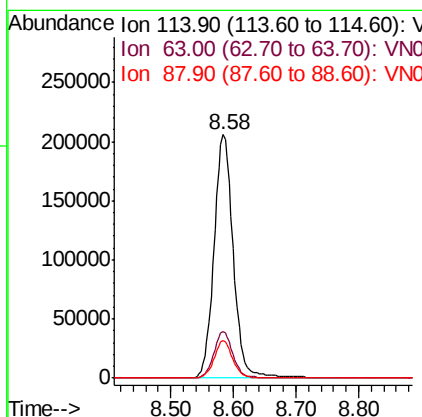
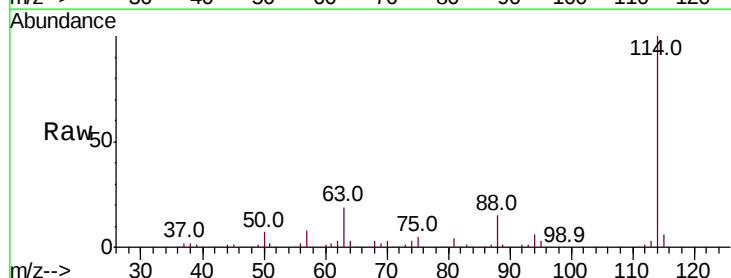
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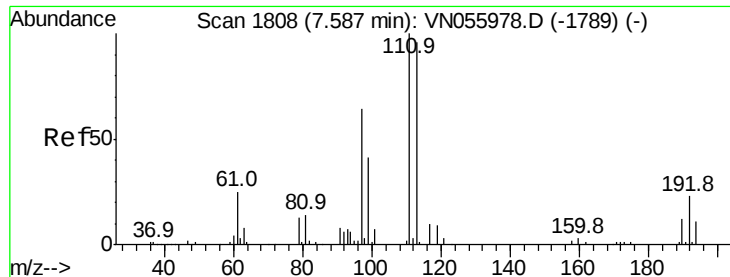
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	39.2	
88	15.2	0.0	31.0	





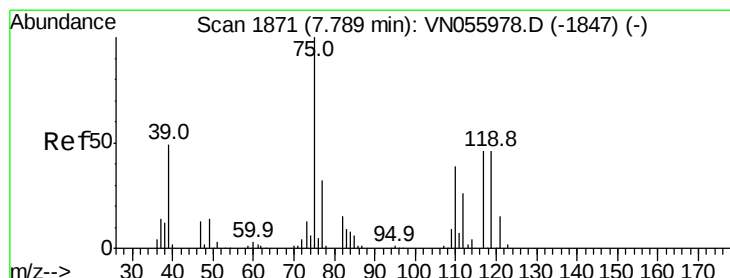
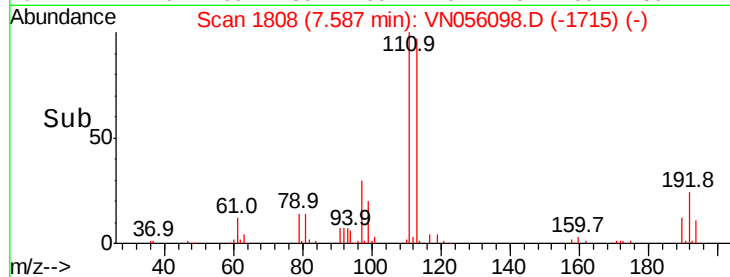
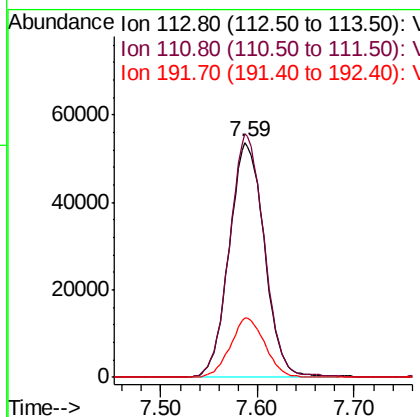
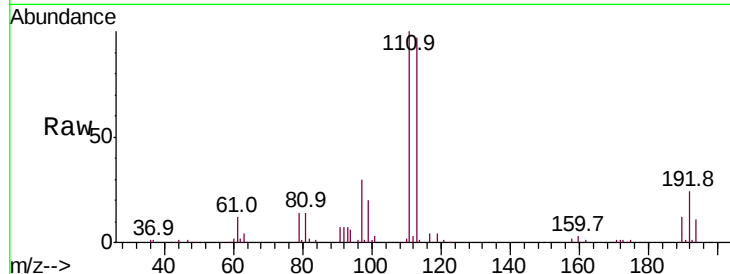
#35
 Dibromofluoromethane
 Concen: 50.417 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	81.9	122.9	
192	24.7	19.5	29.3	

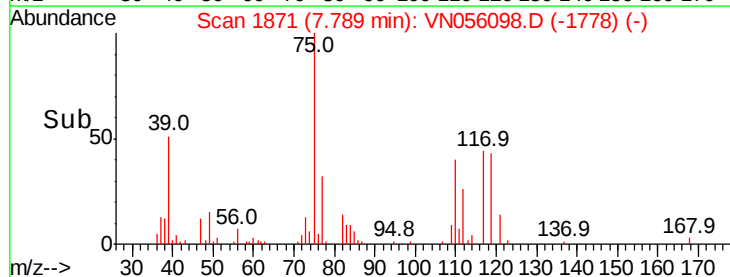
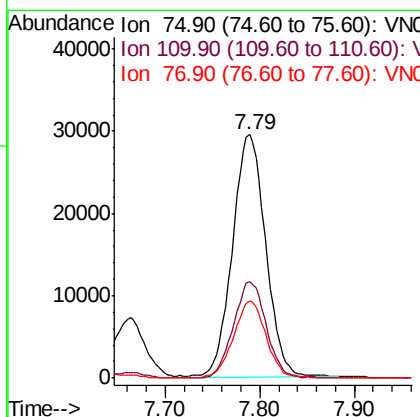
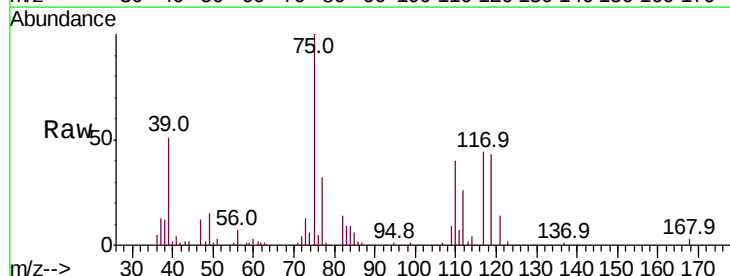
Manual Integrations
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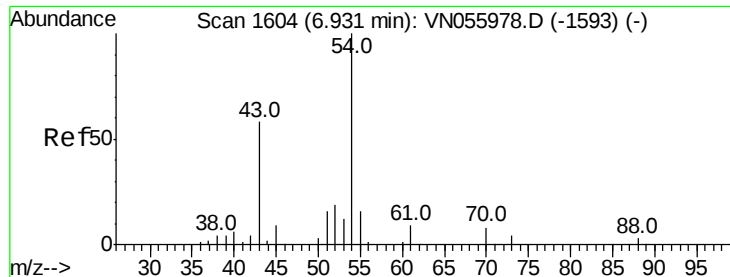
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#36
 1,1-Dichloropropene
 Concen: 19.079 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.9	19.0	57.0	
77	31.1	25.1	37.7	





#37

Ethyl Acetate

Concen: 22.262 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

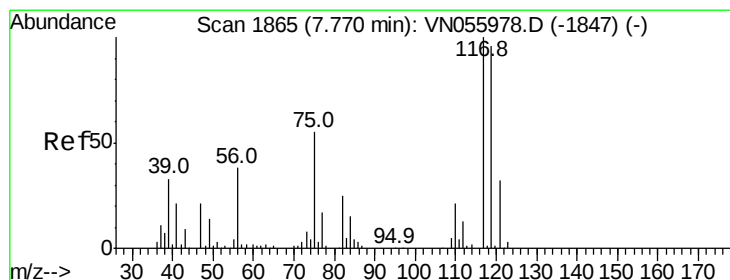
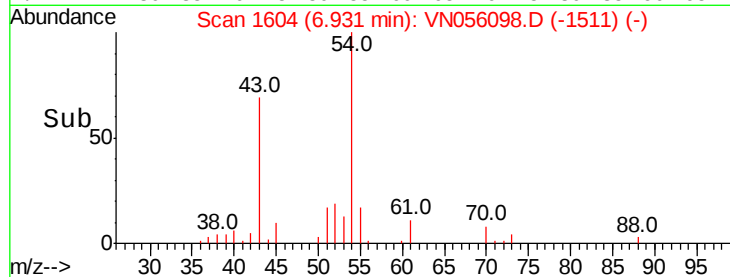
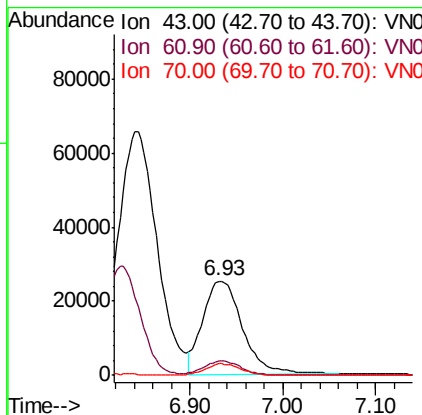
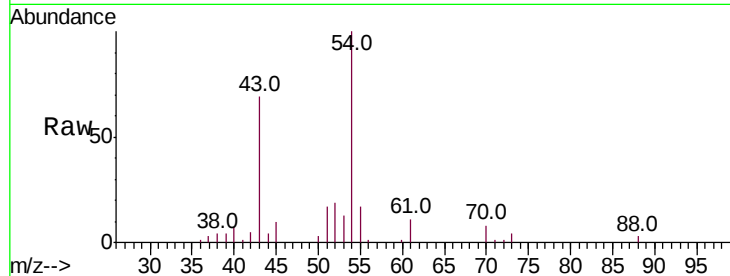
ClientSampleId :

VN0608WBSD02

Tot Ion:	43	Resp:	74881
Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.2	18.2
70	11.1	8.9	13.3

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#38

Carbon Tetrachloride

Concen: 18.581 ug/l

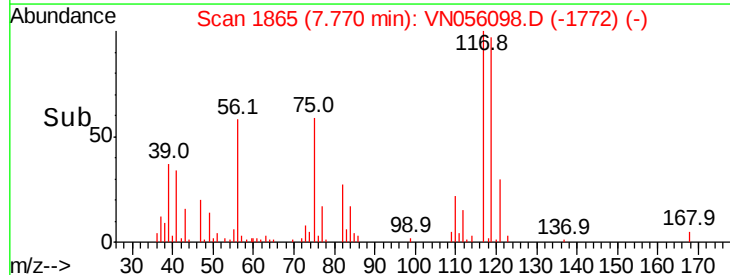
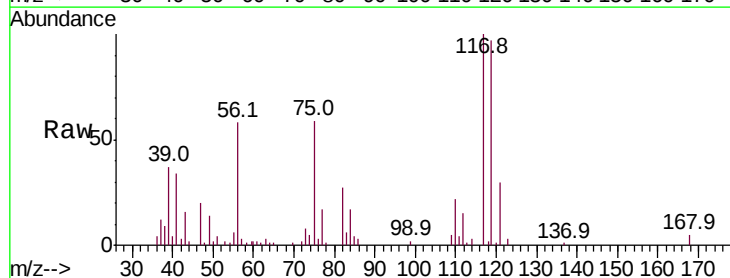
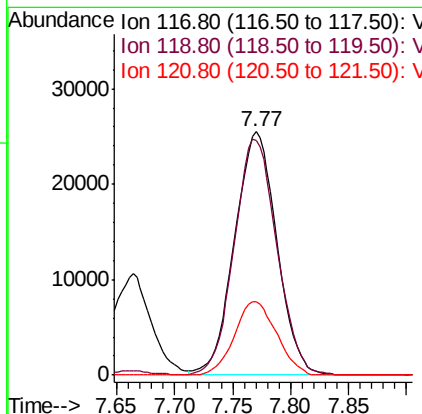
RT: 7.77 min Scan# 1865

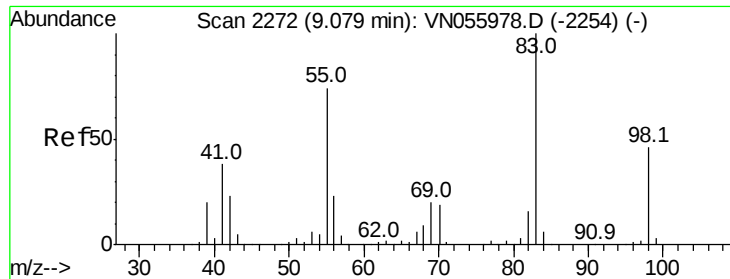
Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion:	117	Resp:	64761
Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.0	118.6
121	30.1	24.7	37.1





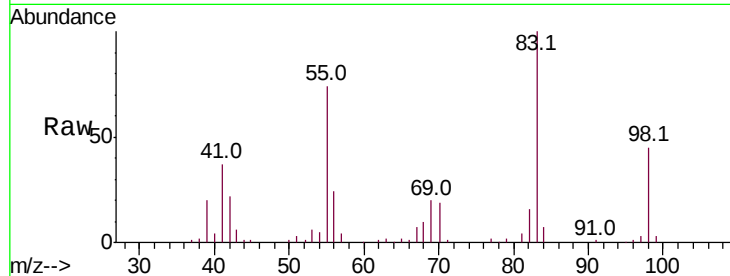
#39
Methvlcvclohexane
Concen: 19.289 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

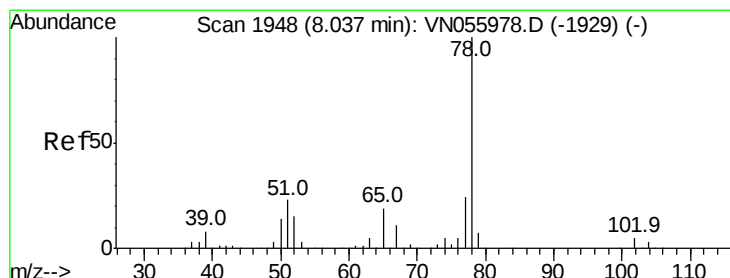
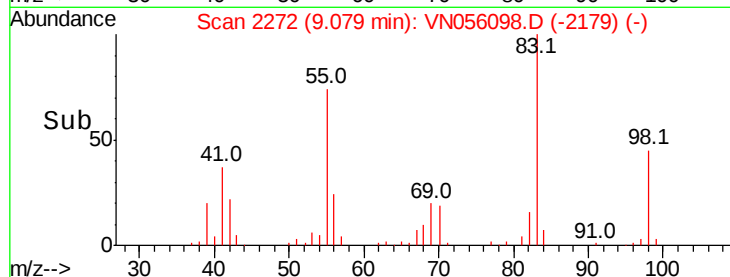
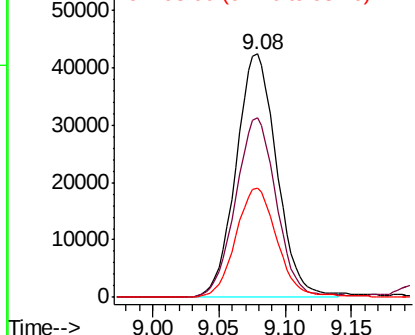
Tot Ion	83	Resp	90836
Ion Ratio	100	Lower	Upper
83	100		
55	73.8	59.3	88.9
98	45.1	36.6	54.8

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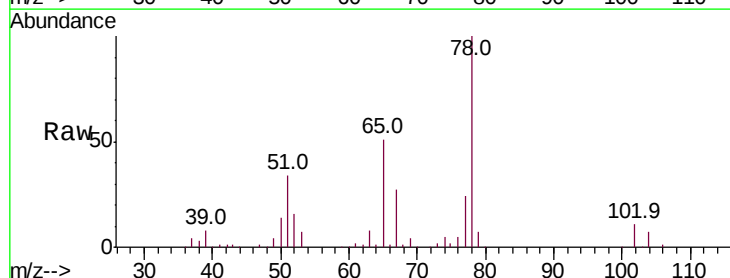


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

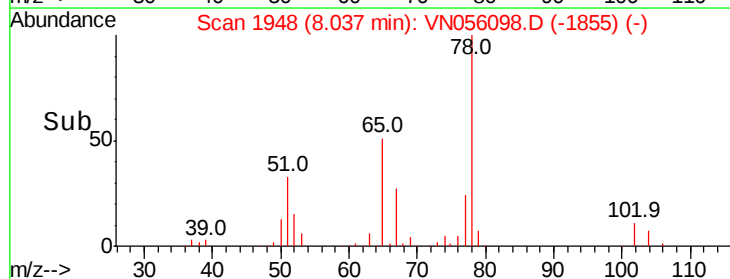
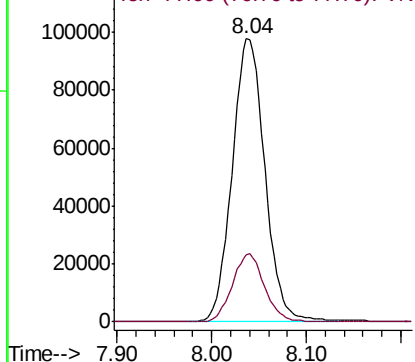


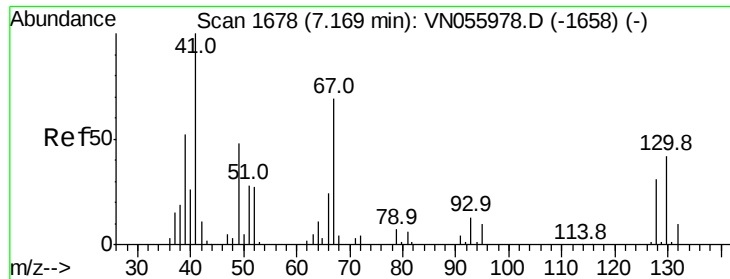
#40
Benzene
Concen: 20.497 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion	78	Resp	235342
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





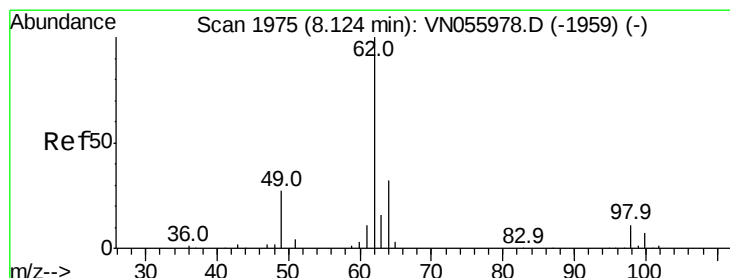
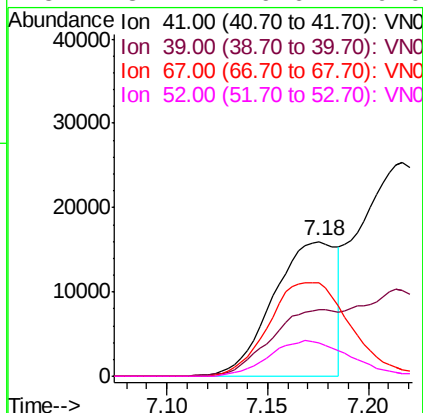
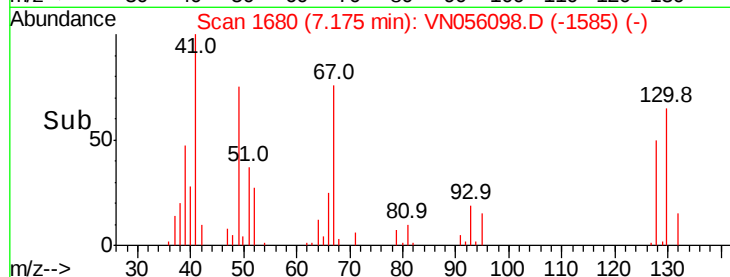
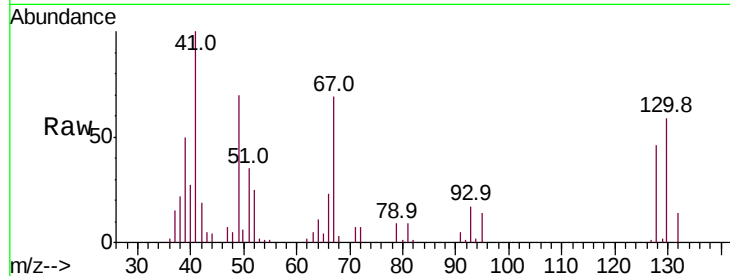
#41
Methacrylonitrile
Concen: 22.658 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.2	45.6	68.4
67	90.0	67.7	101.5
52	34.1	26.6	40.0

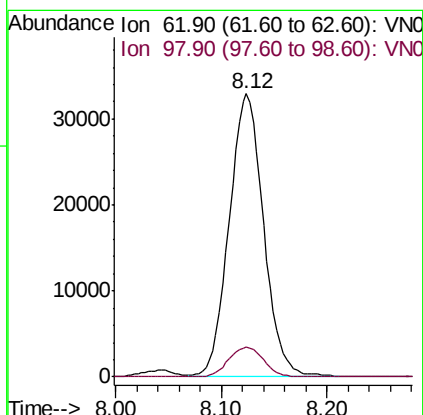
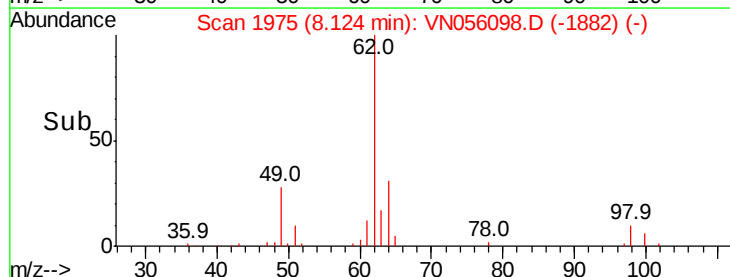
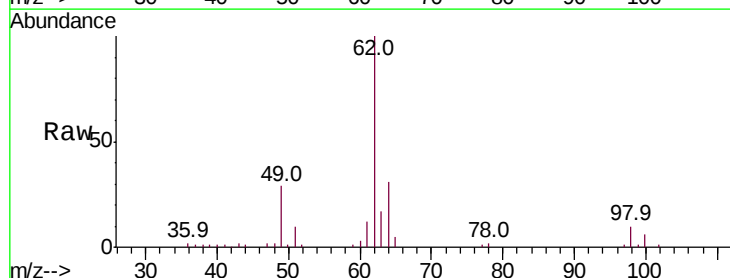
Manual Integrations
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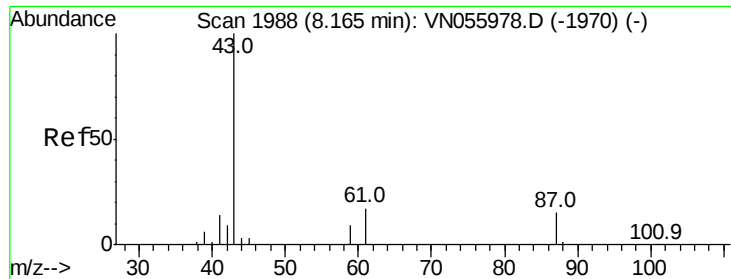
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#42
1,2-Dichloroethane
Concen: 20.199 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.595 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

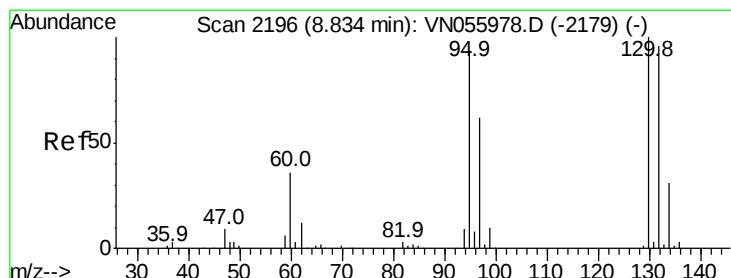
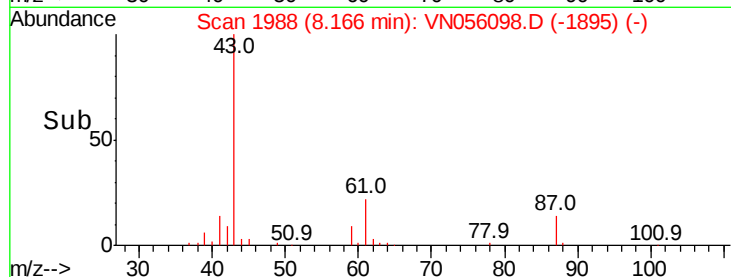
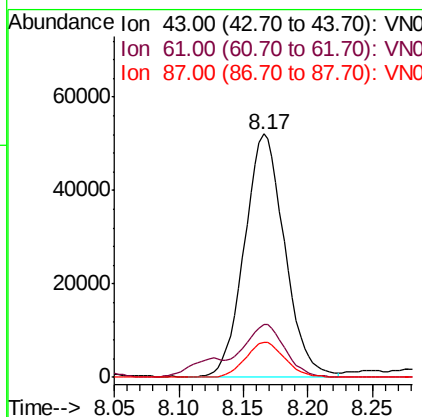
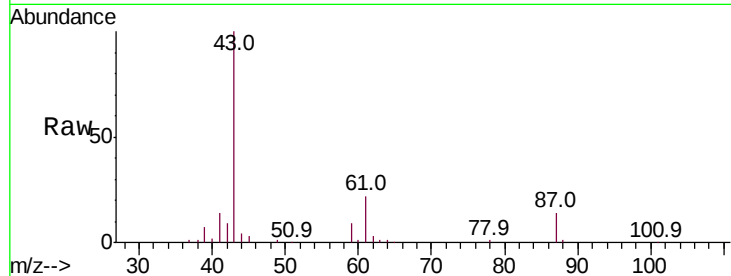
ClientSampleId :

VN0608WBSD02

Tot Ion:	43	Resp:	112254
Ion	Ratio	Lower	Upper
43	100		
61	21.8	22.2	33.4#
87	14.4	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 20.042 ug/l

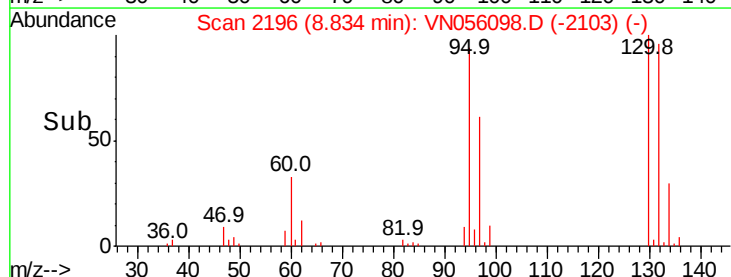
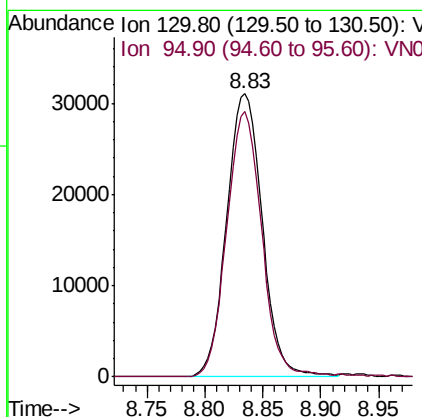
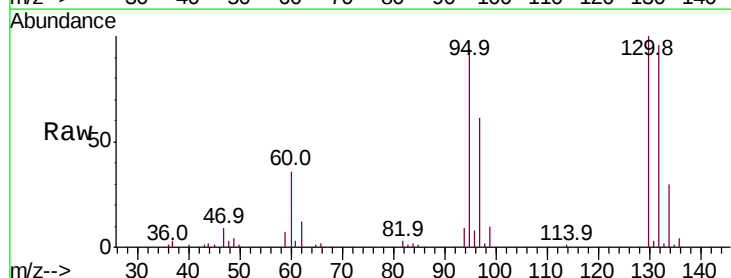
RT: 8.83 min Scan# 2196

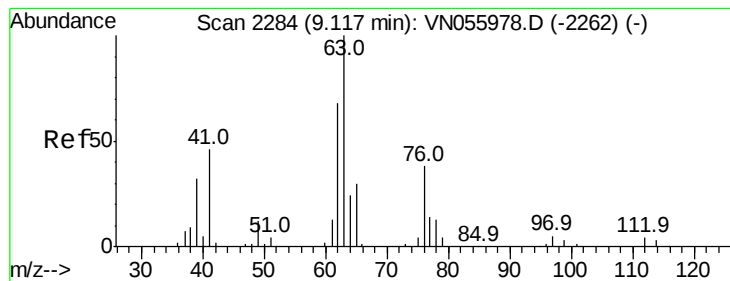
Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion:	130	Resp:	66125
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.886 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 63 Resp: 61425

Ion Ratio Lower Upper

63 100

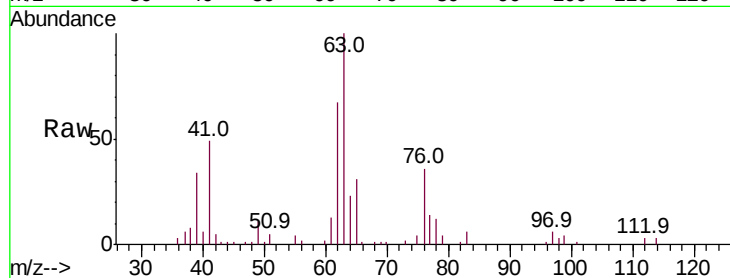
65 31.0 24.6 36.8

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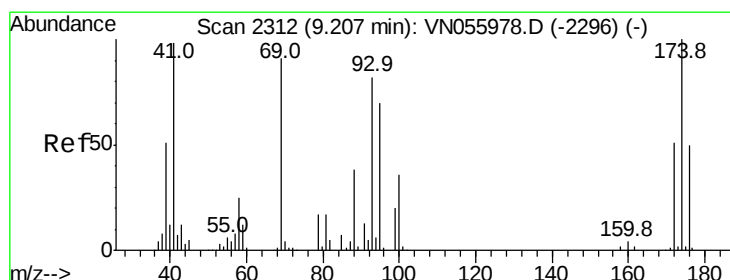
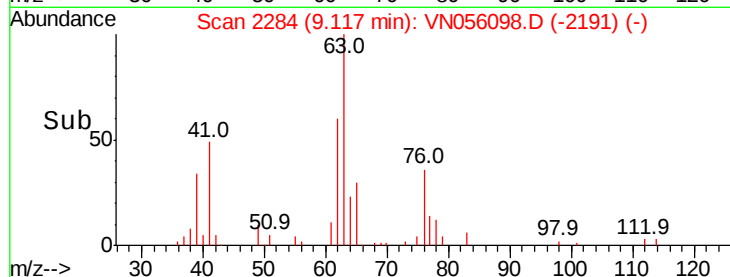
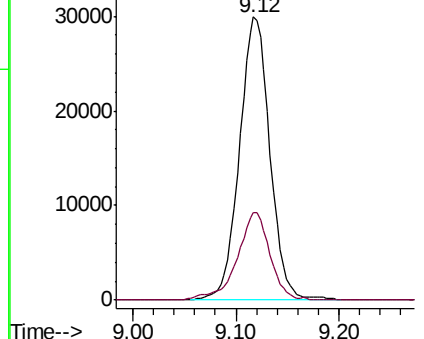
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.553 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

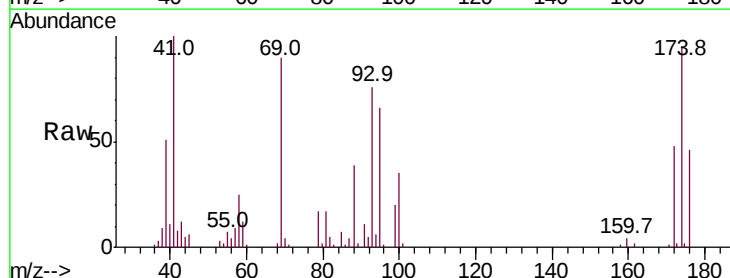
Tgt Ion: 93 Resp: 39528

Ion Ratio Lower Upper

93 100

95 84.6 66.7 100.1

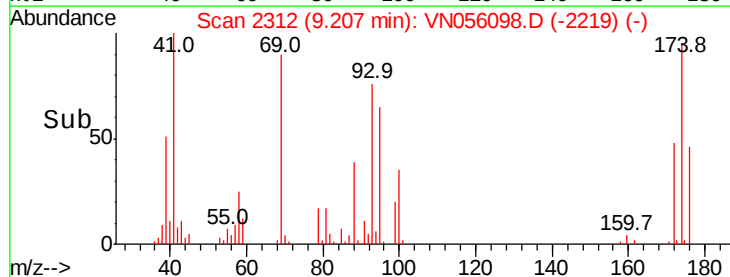
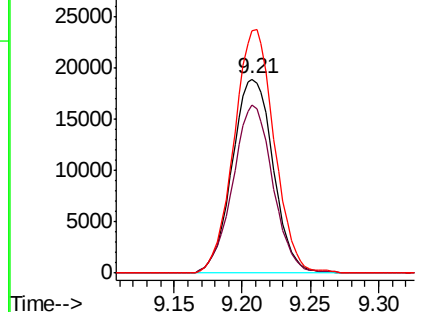
174 123.0 96.4 144.6

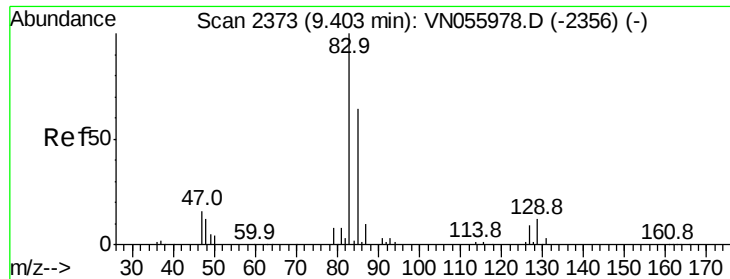


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.190 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

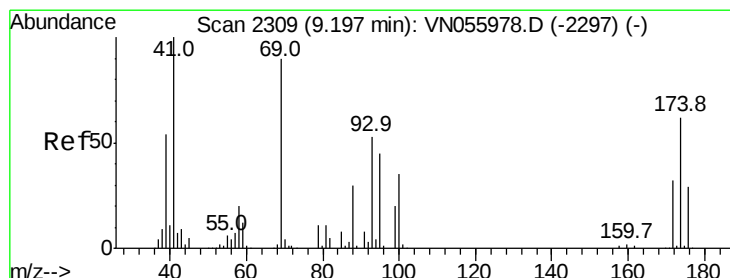
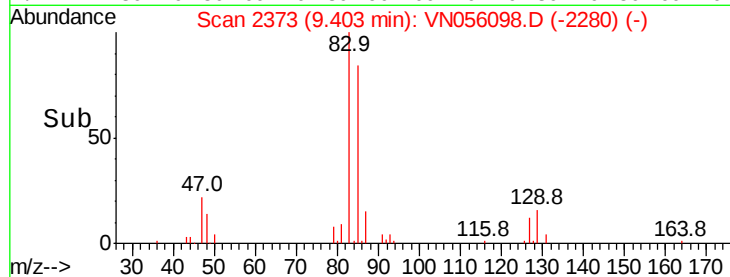
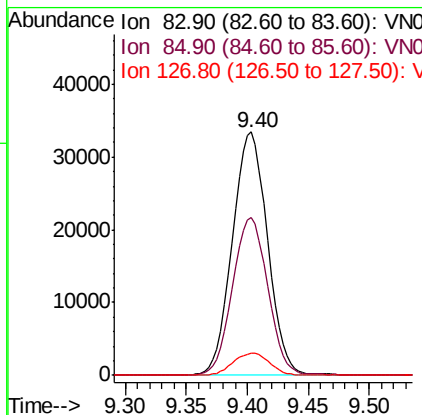
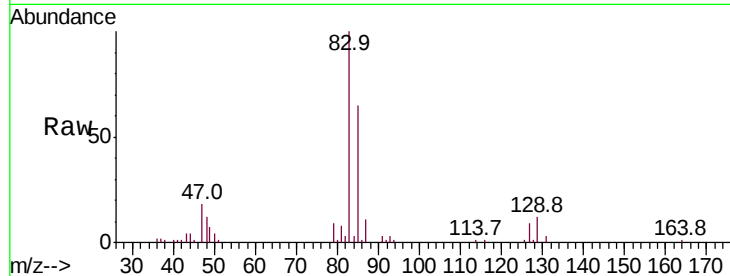
ClientSampleId :

VN0608WBSD02

Tot Ion:	83	Resp:	66887
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2
127	9.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.743 ug/l

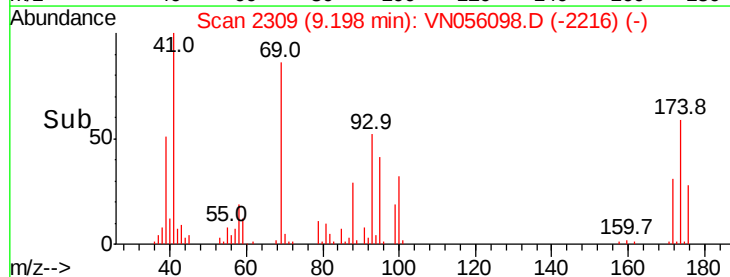
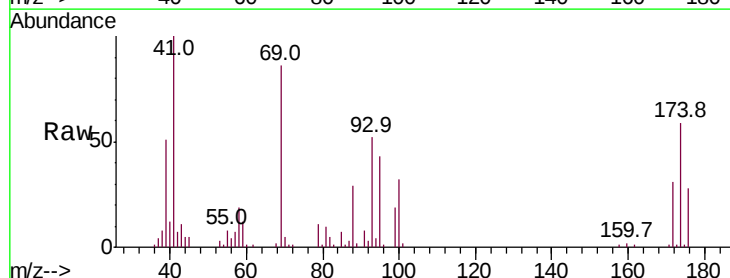
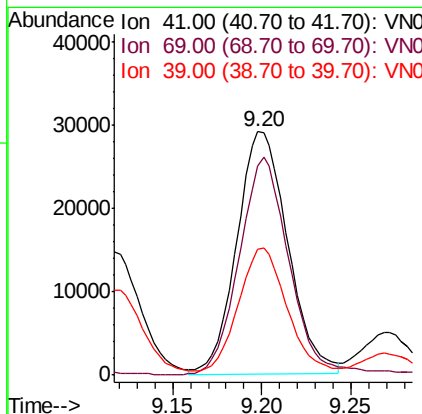
RT: 9.20 min Scan# 2309

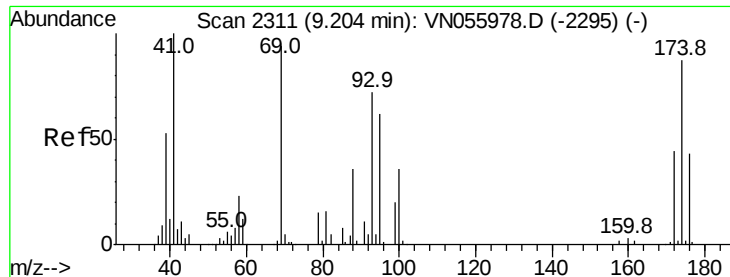
Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion:	41	Resp:	57980
Ion	Ratio	Lower	Upper
41	100		
69	88.2	71.0	106.6
39	51.2	44.2	66.2





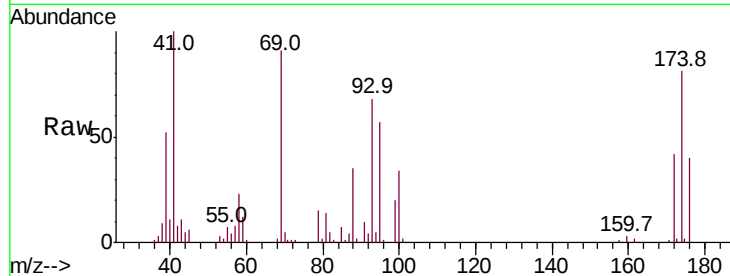
#49
1,4-Dioxane
Concen: 402.094 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

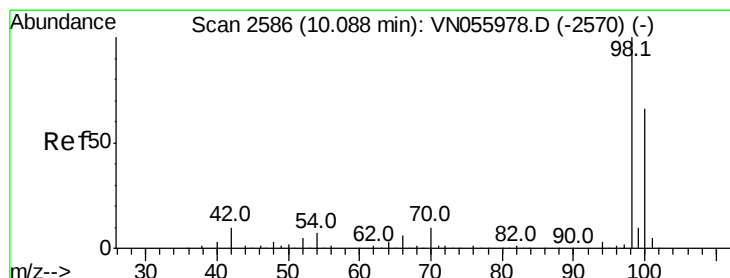
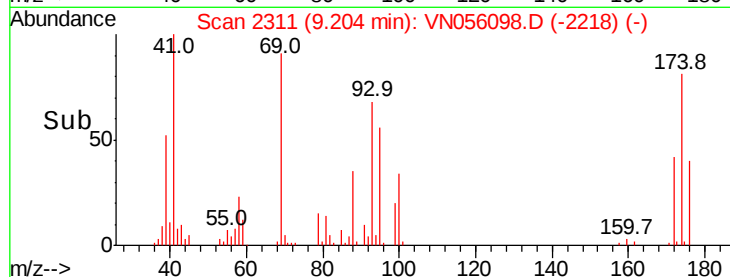
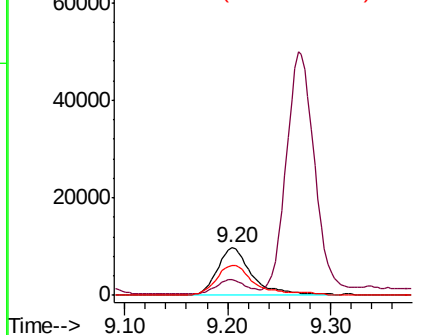
Tot Ion	88	Resp	23148
Ion	Ratio	Lower	Upper
88	100		
43	26.4	20.5	30.7
58	71.0	55.8	83.6

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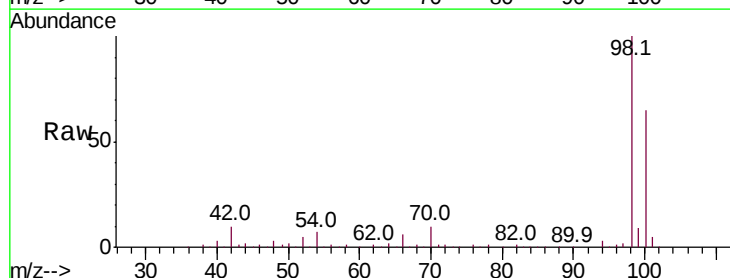


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

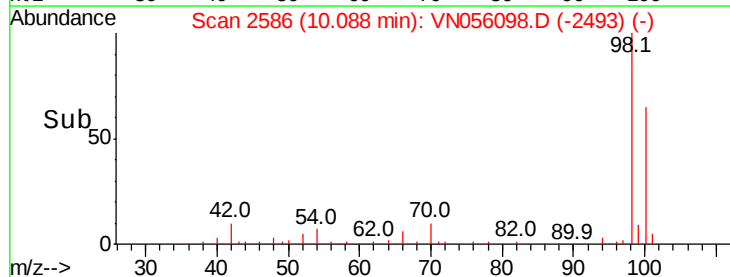
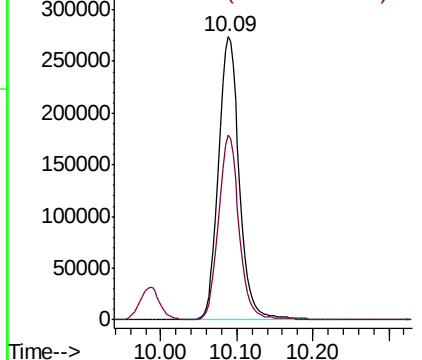


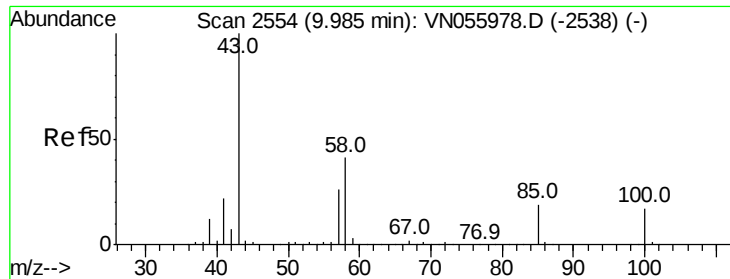
#50
Toluene-d8
Concen: 50.333 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion	98	Resp	522433
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 108.452 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 43 Resp: 369664

Ion Ratio Lower Upper

43 100

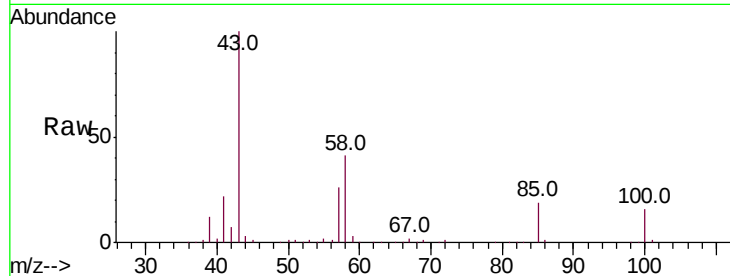
58 40.6 32.1 48.1

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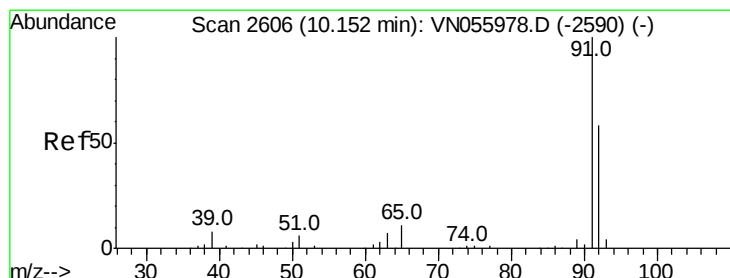
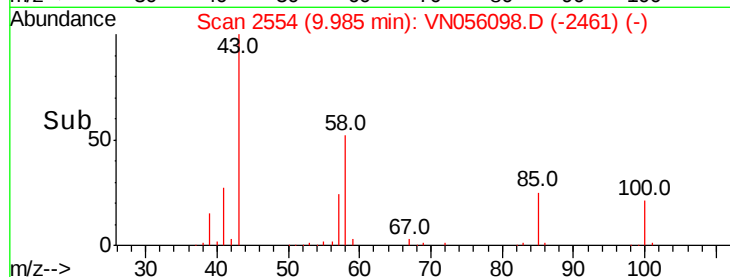
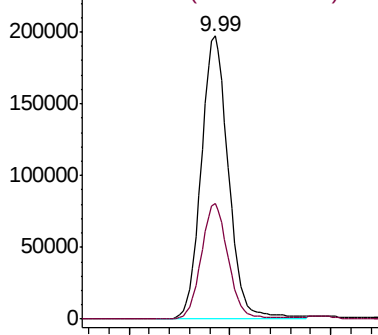
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.641 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056098.D

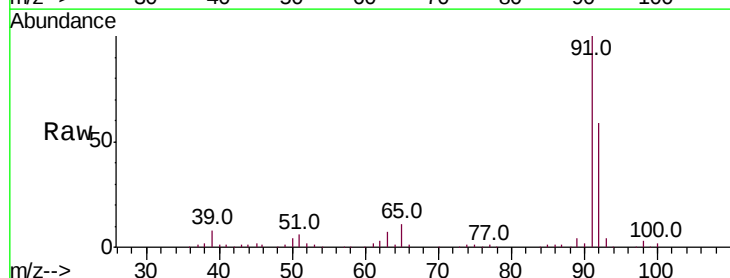
Acq: 7 Jun 2019 14:31

Tgt Ion: 92 Resp: 147477

Ion Ratio Lower Upper

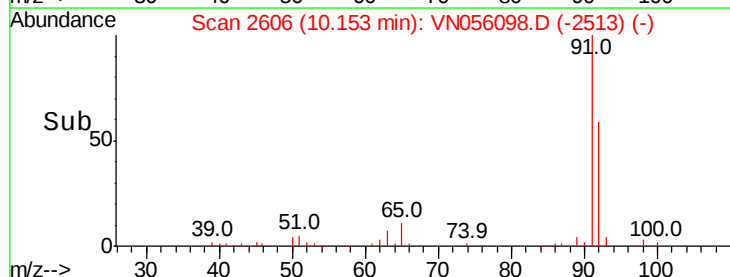
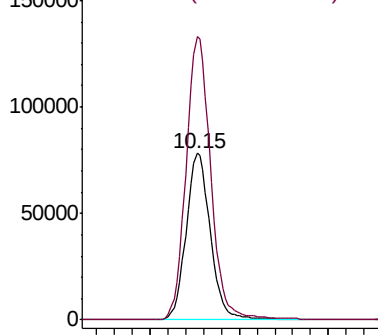
92 100

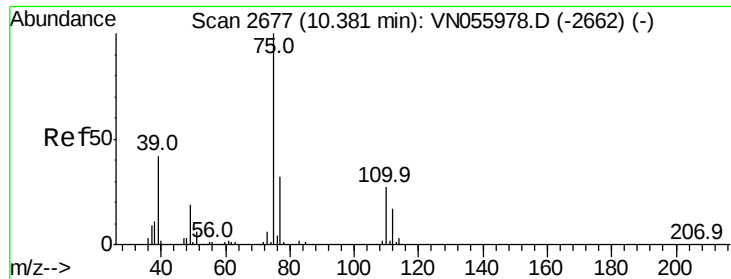
91 173.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.243 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 75 Resp: 68016

Ion Ratio Lower Upper

75 100

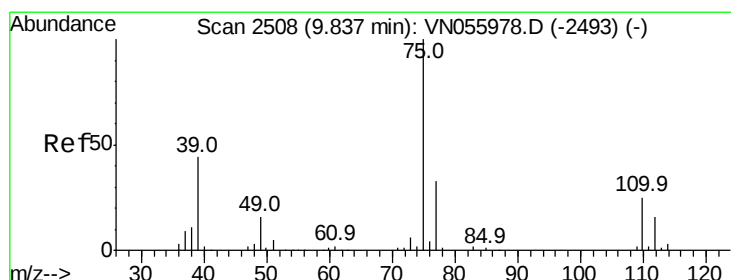
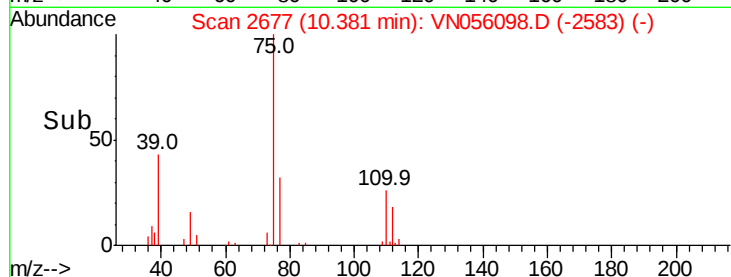
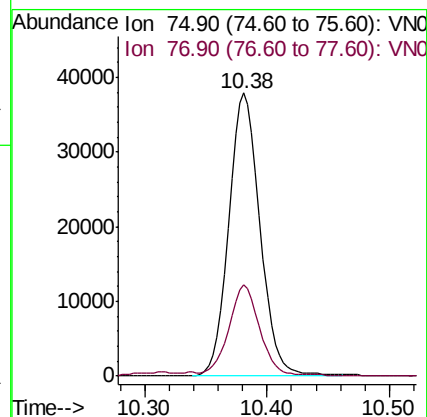
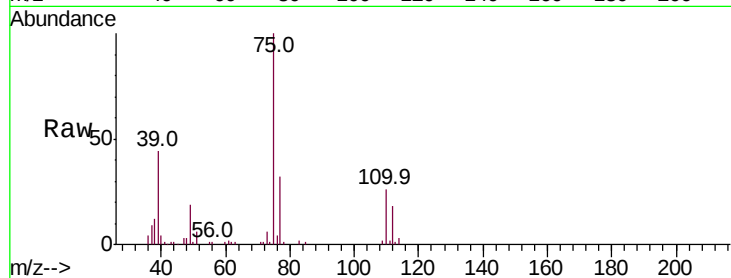
77 32.4 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 19.476 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

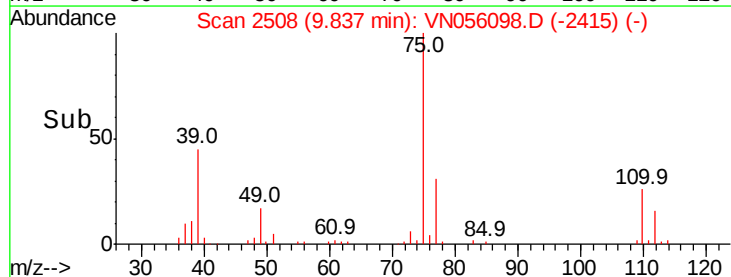
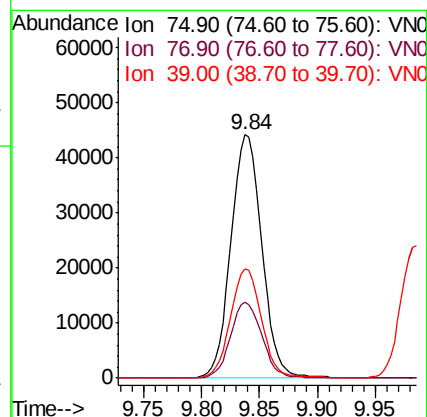
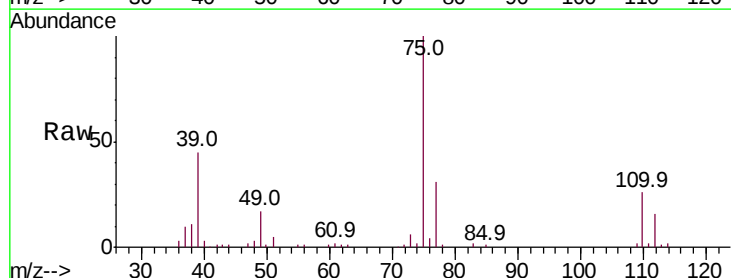
Tgt Ion: 75 Resp: 81601

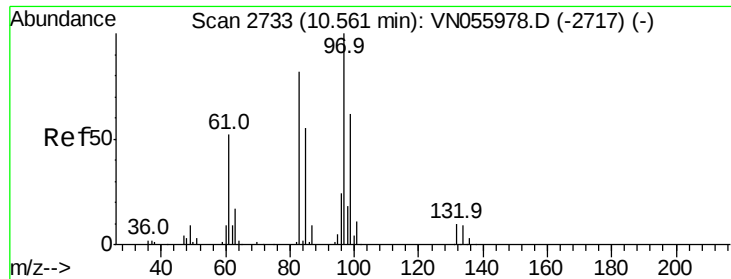
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 45.1 36.3 54.5





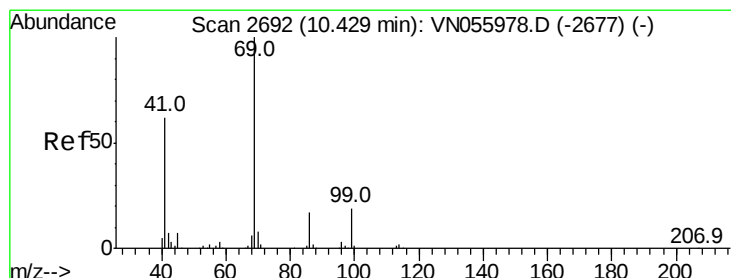
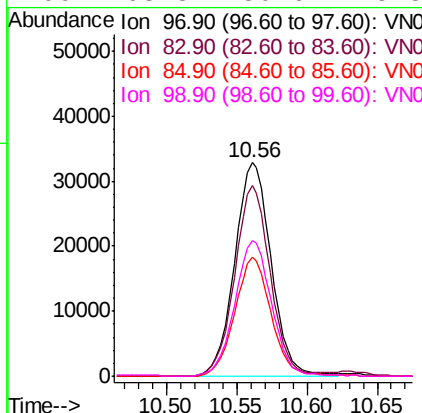
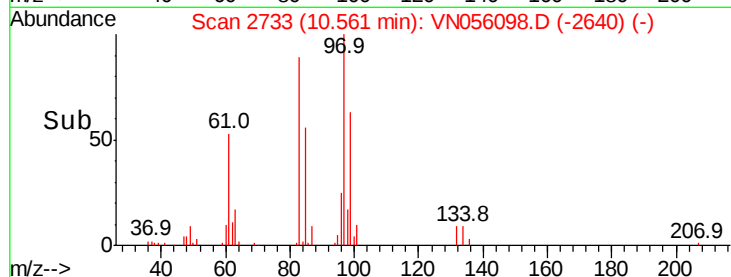
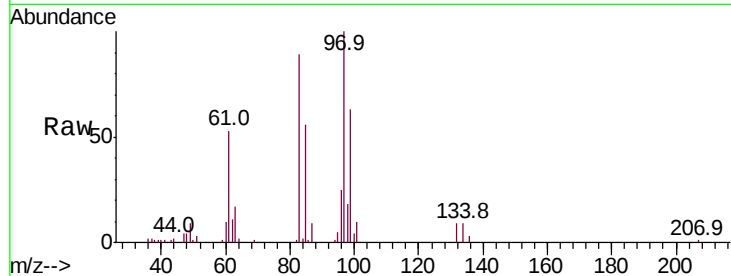
#55
 1,1,2-Trichloroethane
 Concen: 21.035 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion:	97	Resp:	59533
Ion	Ratio	Lower	Upper
97	100		
83	89.4	67.0	100.6
85	55.6	44.0	66.0
99	63.3	50.6	75.8

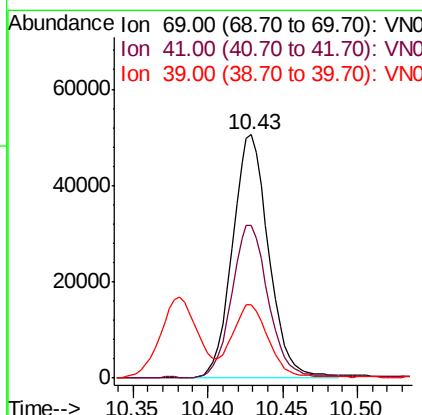
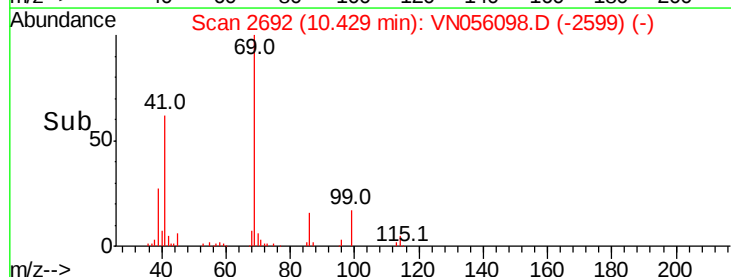
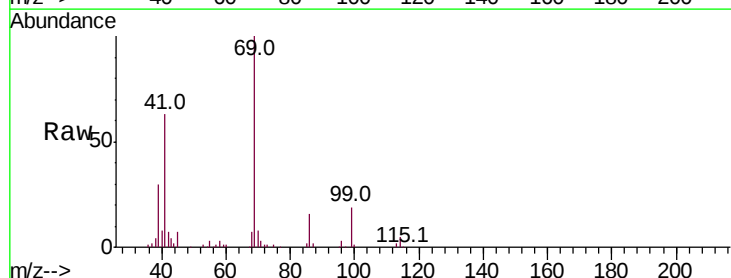
Manual Integrations
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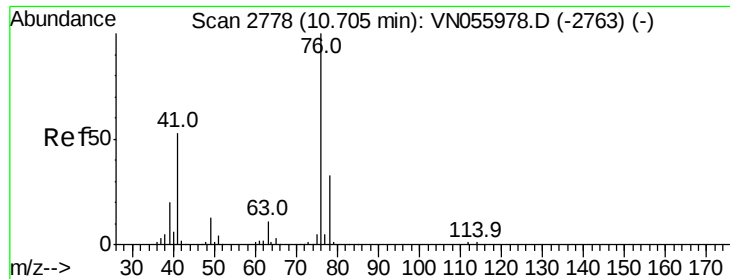
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#56
 Ethyl methacrylate
 Concen: 20.647 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion:	69	Resp:	85247
Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.7	74.5
39	29.7	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.661 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 76 Resp: 95058

Ion Ratio Lower Upper

76 100

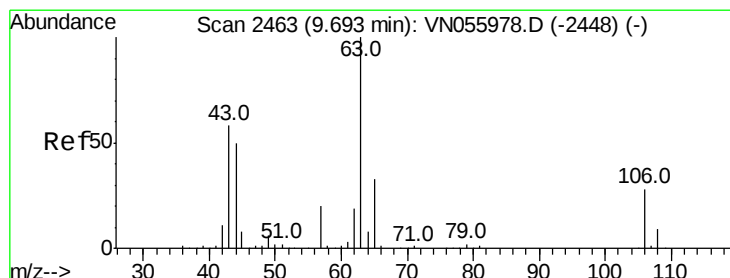
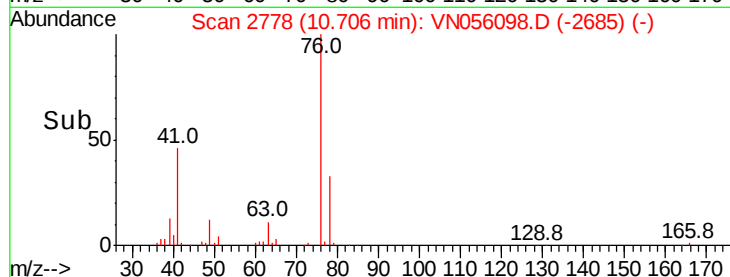
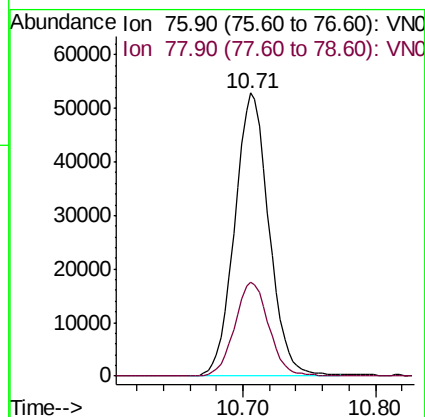
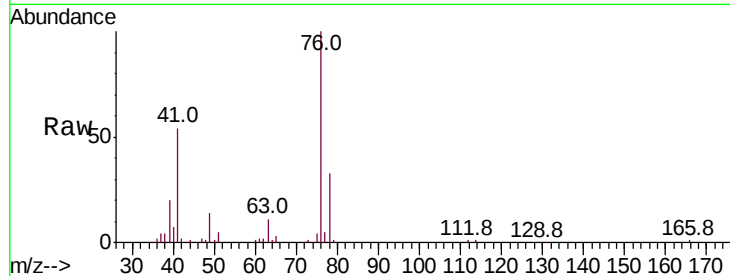
78 33.0 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 104.756 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056098.D

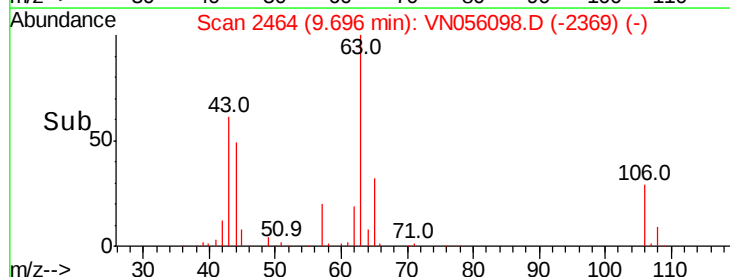
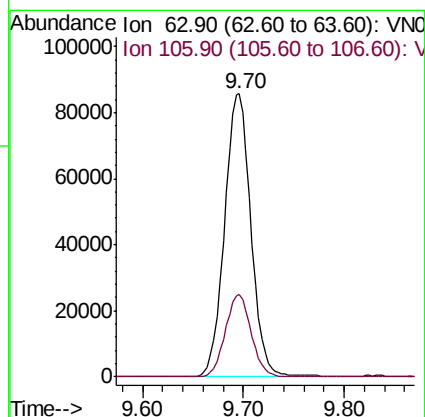
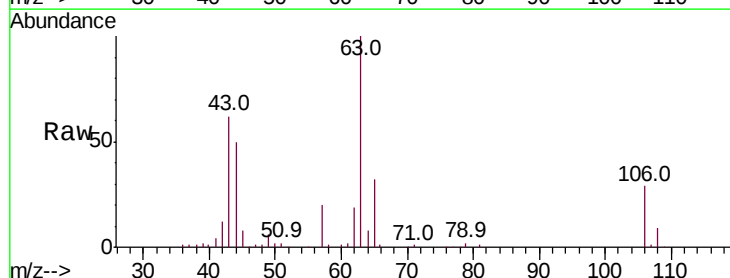
Acq: 7 Jun 2019 14:31

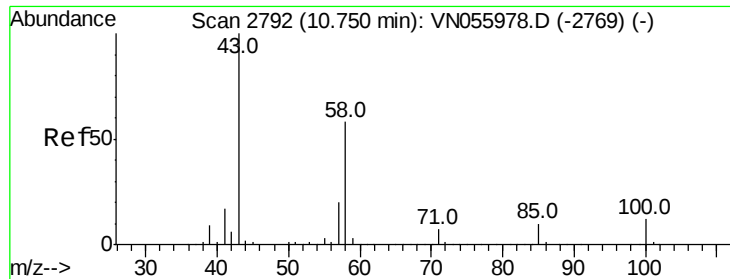
Tgt Ion: 63 Resp: 156446

Ion Ratio Lower Upper

63 100

106 28.5 22.7 34.1





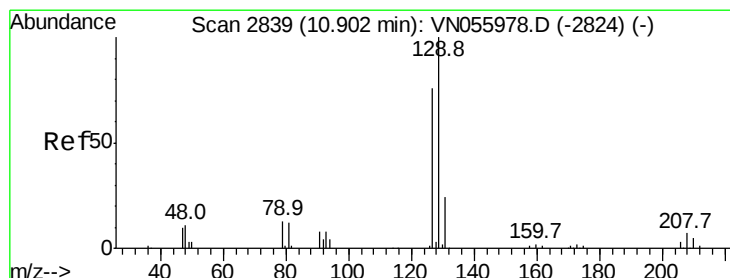
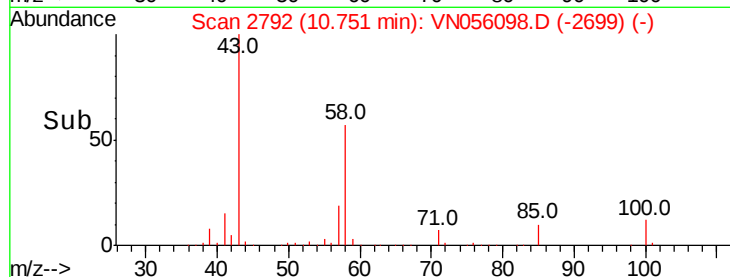
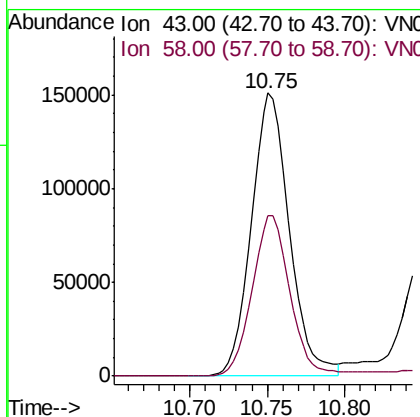
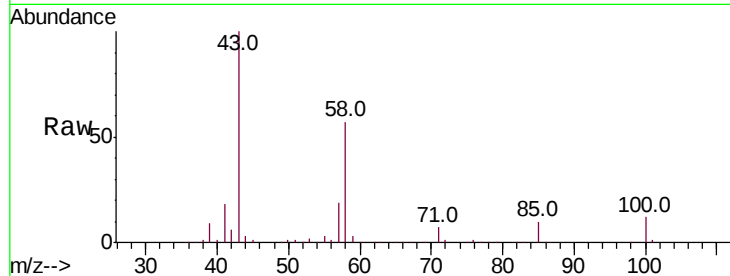
#59
2-Hexanone
Concen: 104.459 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion: 43 Resp: 258060
Ion Ratio Lower Upper
43 100
58 56.9 28.2 84.7

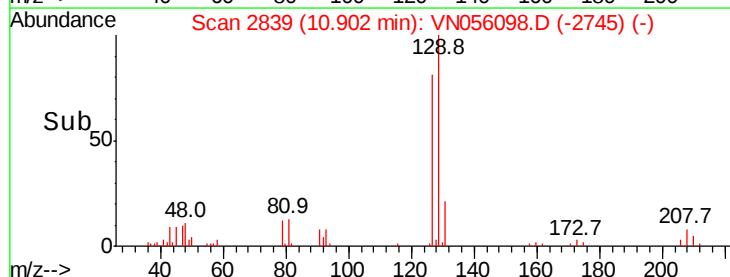
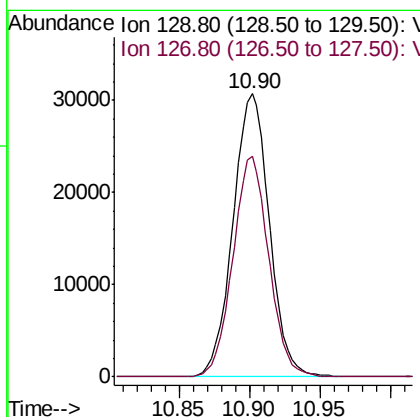
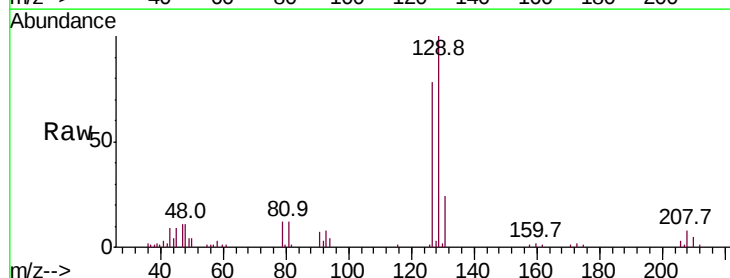
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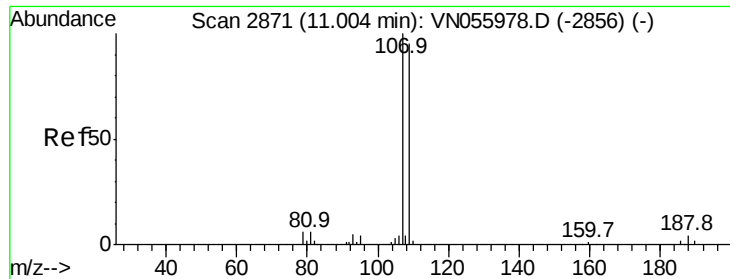
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#60
Dibromochloromethane
Concen: 19.373 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 129 Resp: 55541
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3





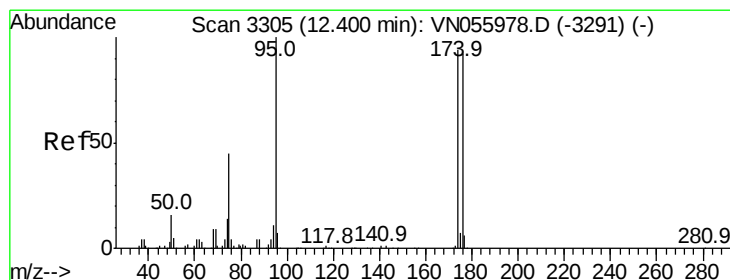
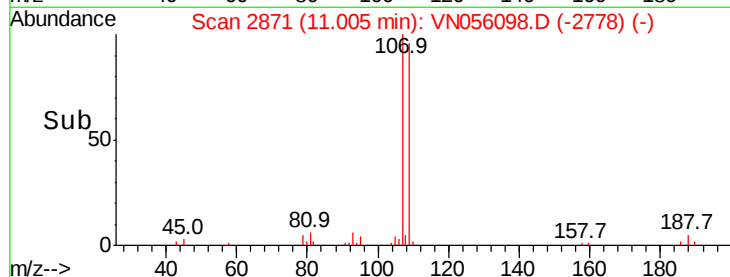
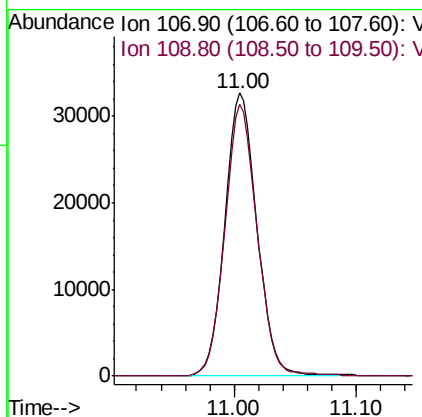
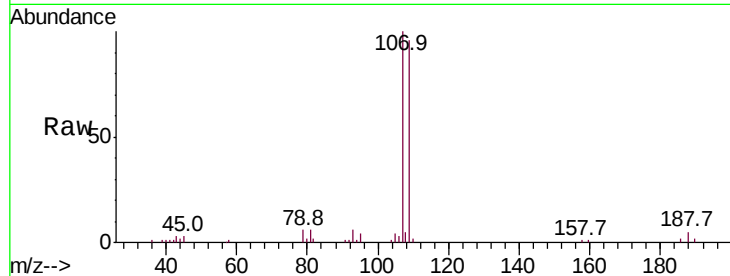
#61
 1,2-Dibromoethane
 Concen: 20.739 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion:107 Resp: 60002
 Ion Ratio Lower Upper
 107 100
 109 96.6 74.8 112.2

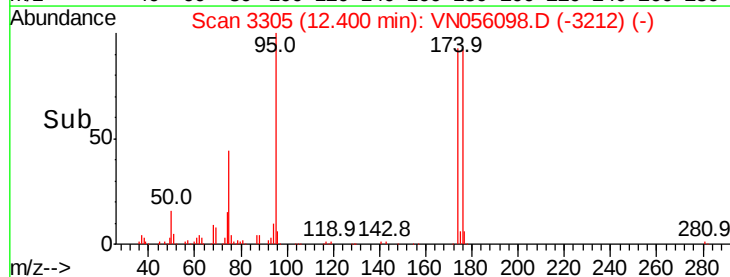
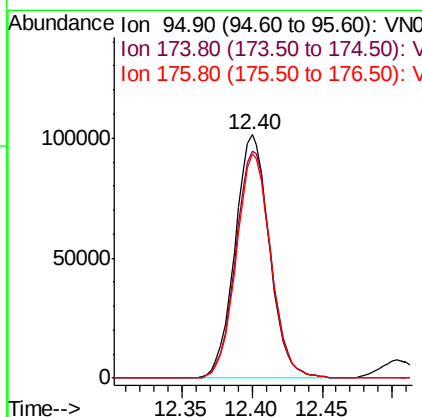
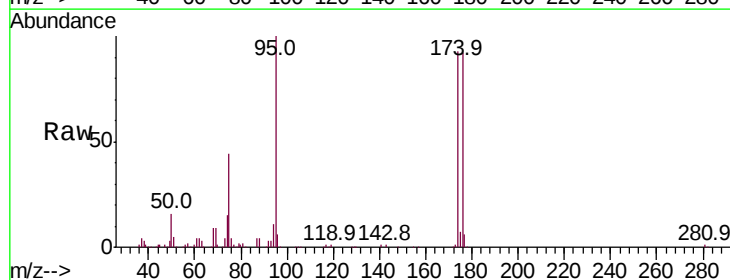
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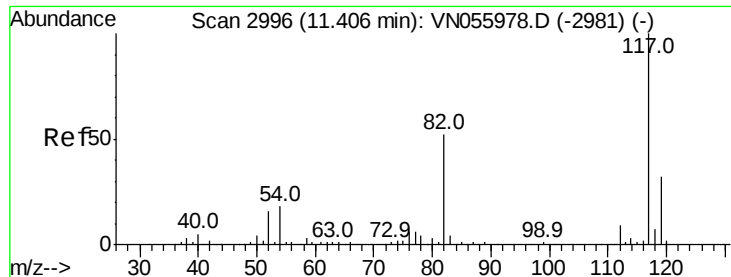
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#62
 4-Bromofluorobenzene
 Concen: 49.284 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion: 95 Resp: 173965
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 191.0
 176 92.0 0.0 185.2





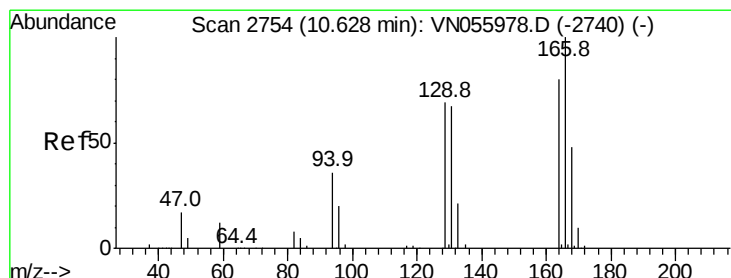
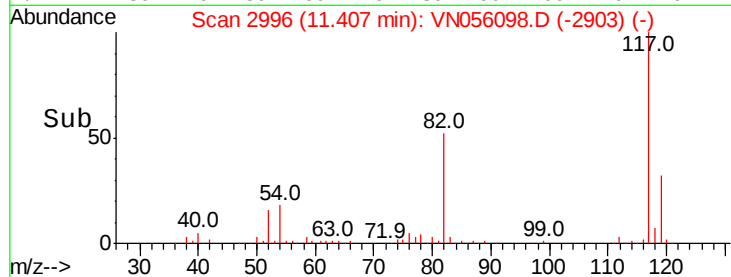
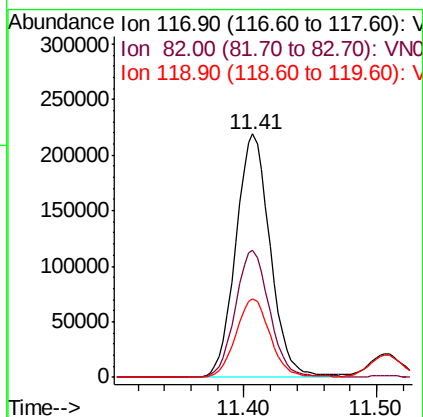
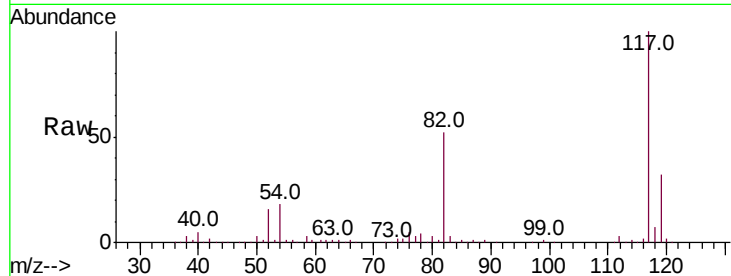
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.8	62.8
119	32.3	25.4	38.0

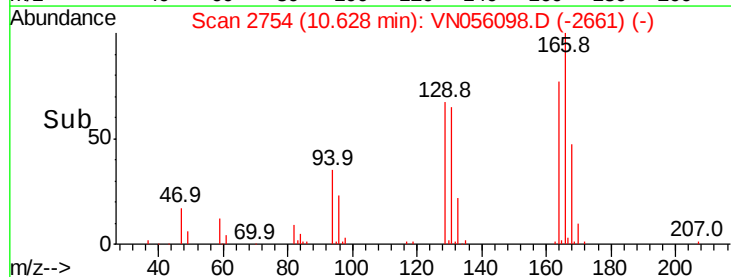
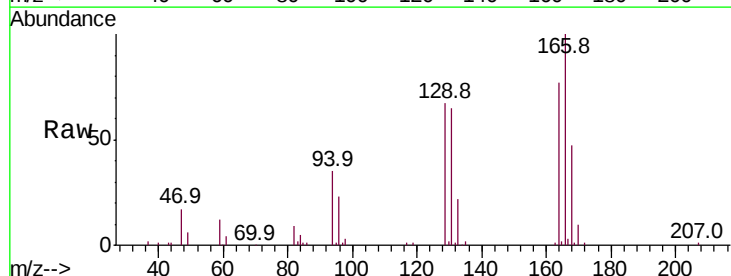
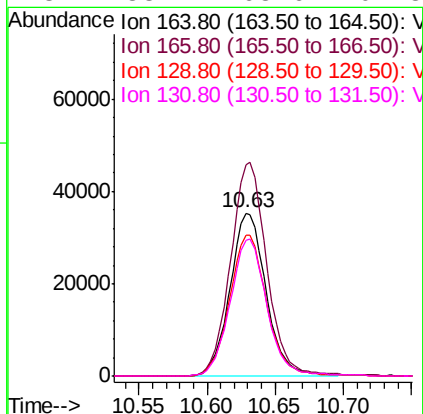
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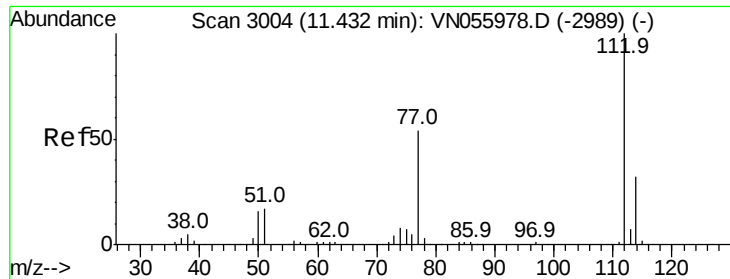
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#64
Tetrachloroethene
Concen: 19.006 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.0	154.6
129	86.2	70.6	105.8
131	83.7	68.6	102.8





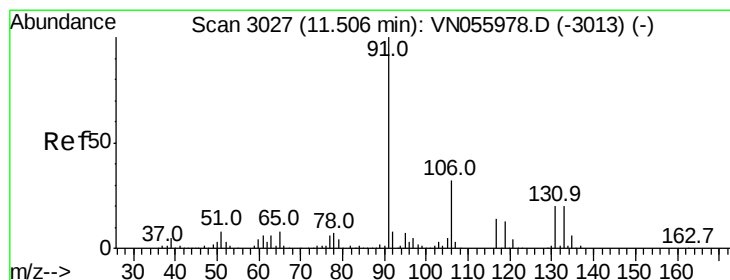
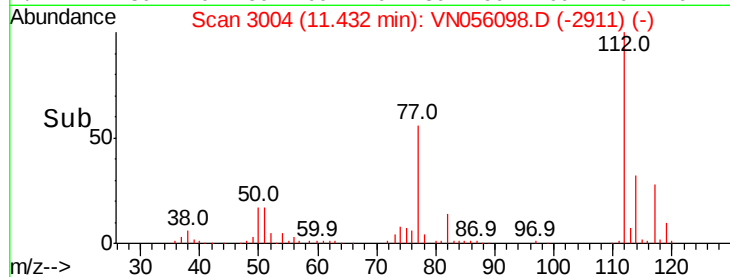
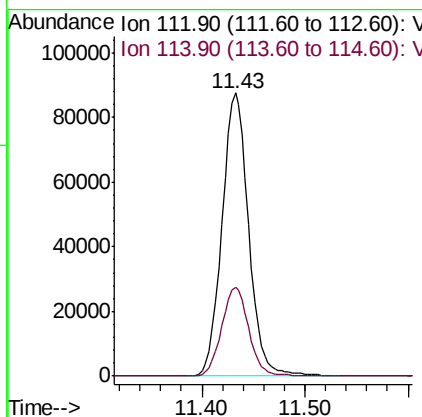
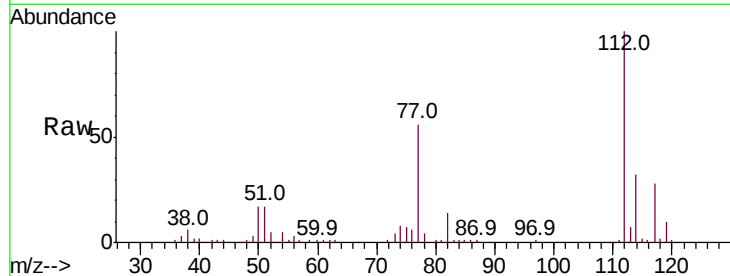
#65
Chlorobenzene
Concen: 20.045 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion:112 Resp: 157184
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4

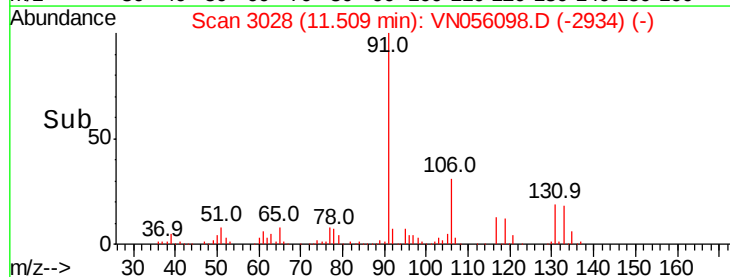
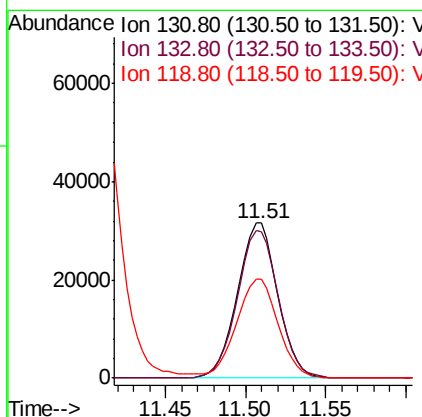
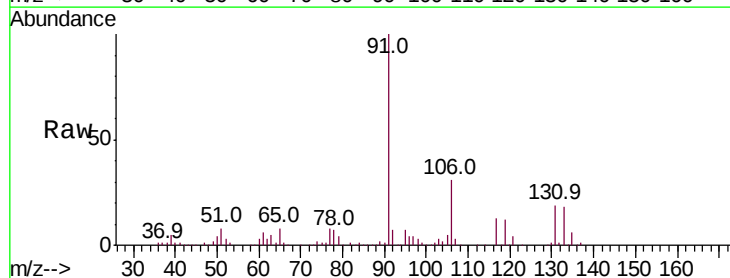
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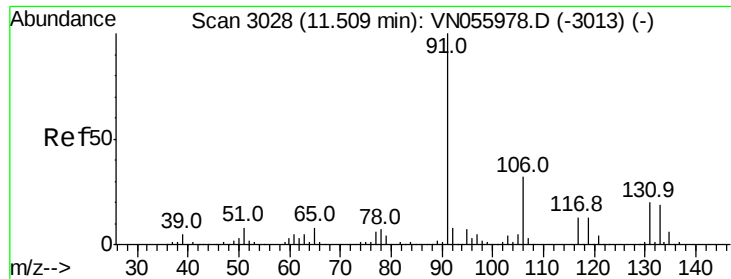
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.913 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion:131 Resp: 53916
Ion Ratio Lower Upper
131 100
133 97.0 48.0 144.0
119 66.4 33.1 99.5





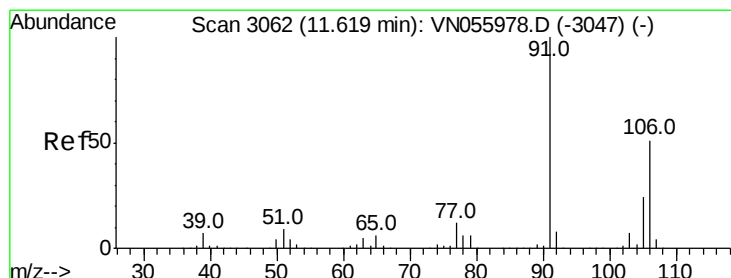
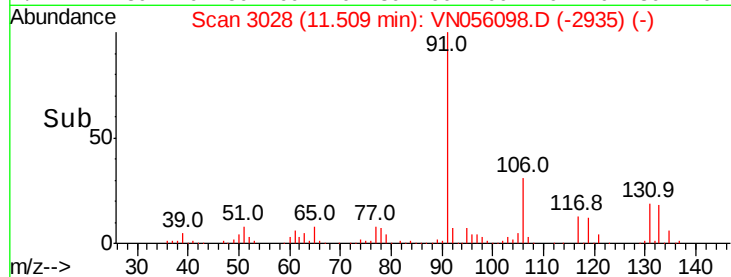
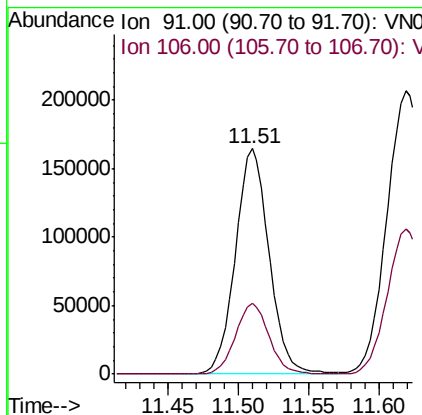
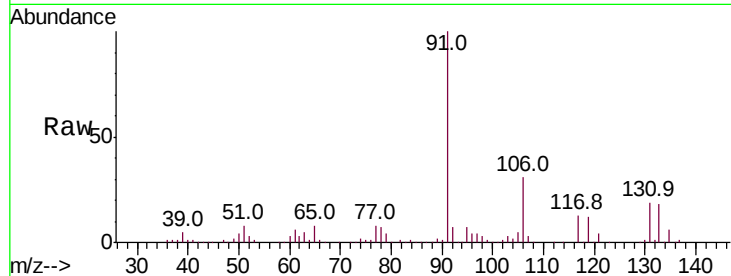
#67
Ethyl Benzene
Concen: 20.235 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0608WBSD02

Tot Ion: 91 Resp: 275912
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7

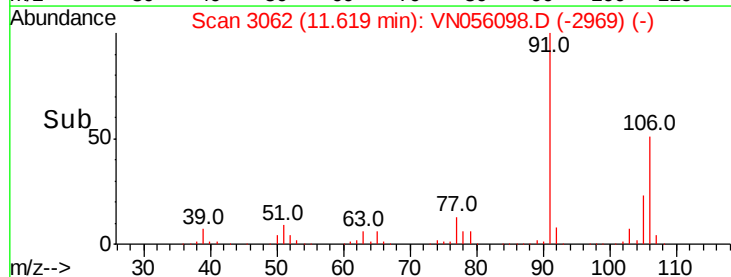
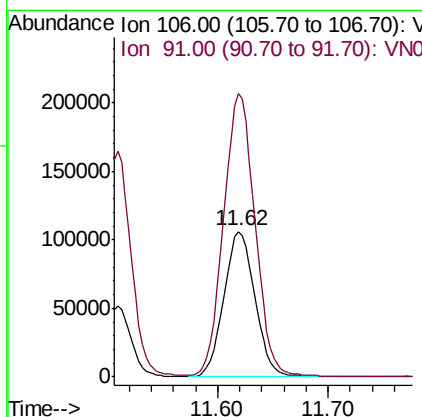
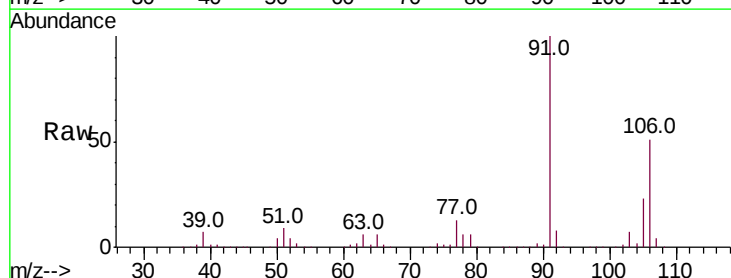
Manual Integrations
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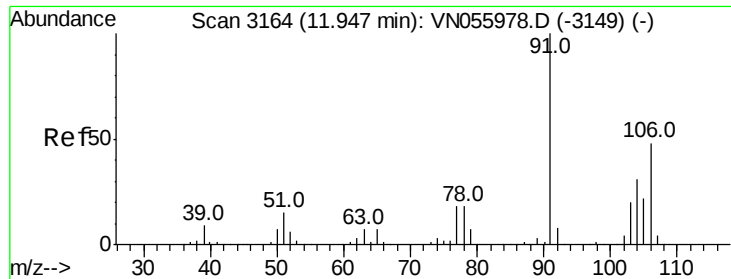
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#68
m/p-Xylenes
Concen: 39.909 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion: 106 Resp: 207879
Ion Ratio Lower Upper
106 100
91 197.5 159.3 238.9





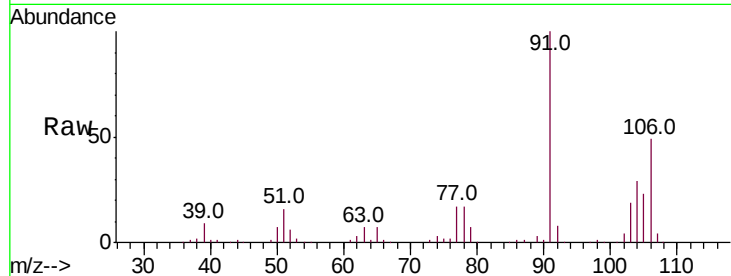
#69
o-Xylene
Concen: 20.208 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

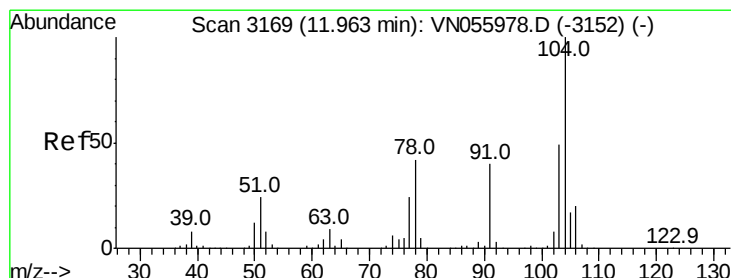
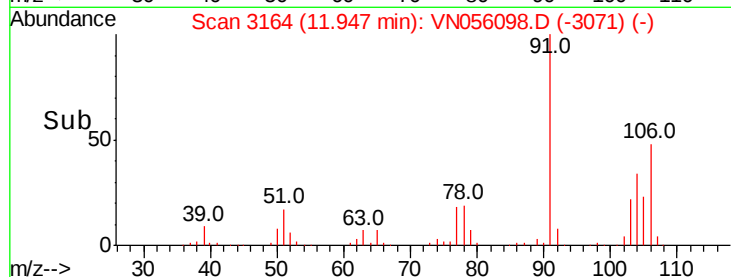
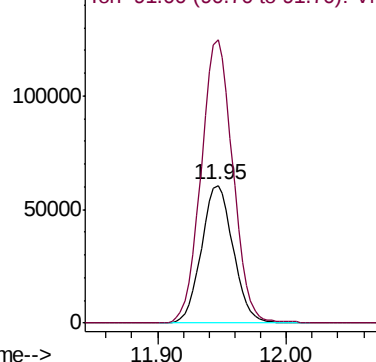
Tot Ion:106 Resp: 103538
Ion Ratio Lower Upper
106 100
91 206.0 104.7 314.1

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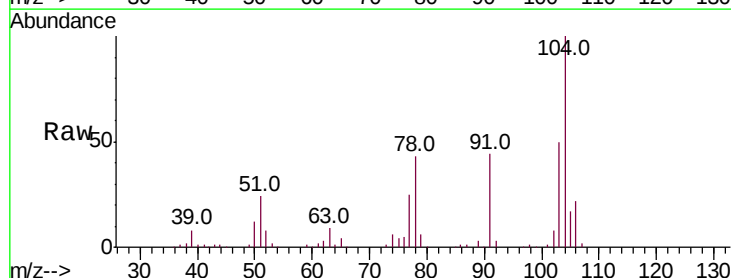


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

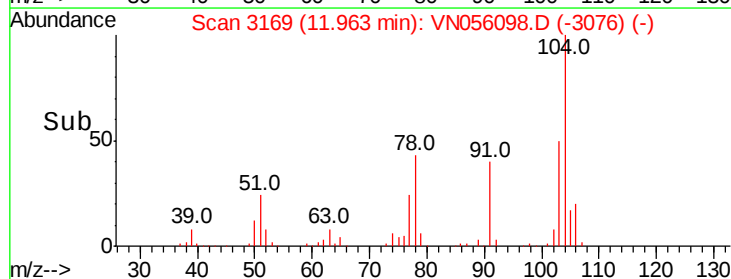
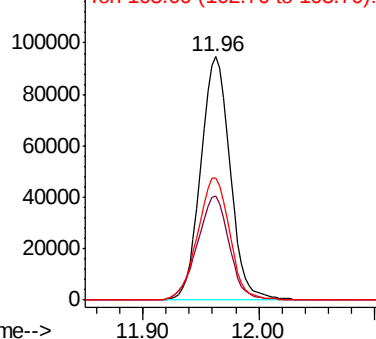


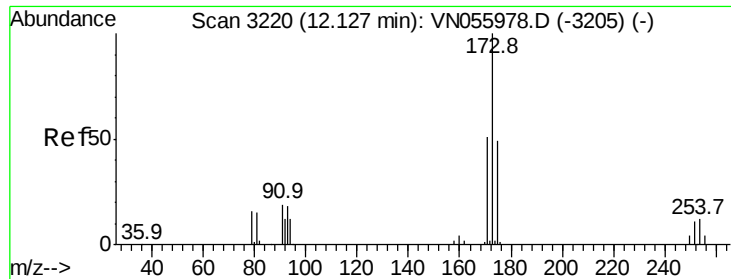
#70
Styrene
Concen: 20.339 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion:104 Resp: 165580
Ion Ratio Lower Upper
104 100
78 46.7 37.8 56.6
103 55.1 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.711 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion:173 Resp: 36001

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.8

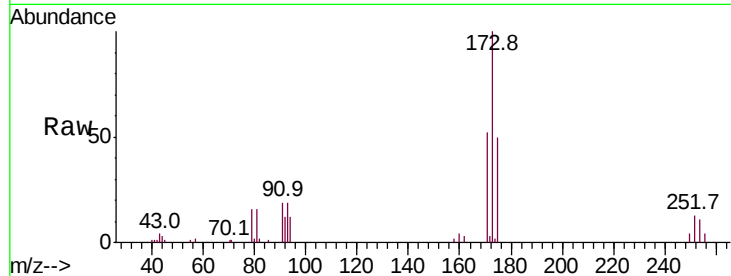
254 0.0 0.0 0.0

Manual Integrations

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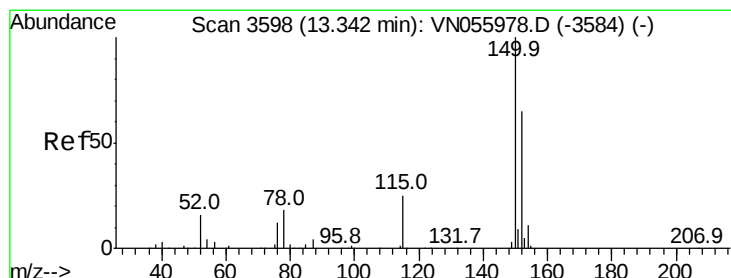
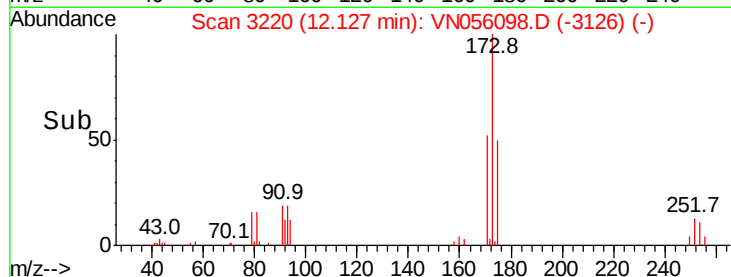
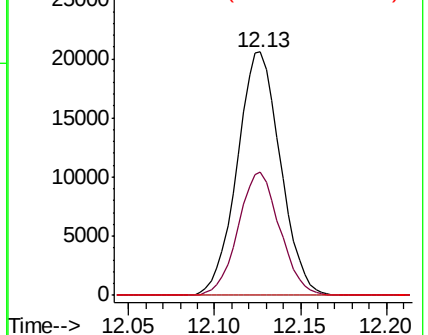
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

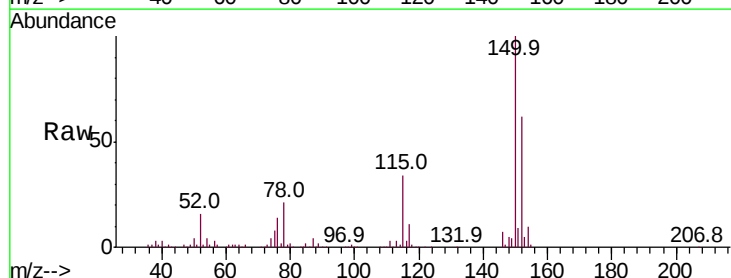
Tgt Ion:152 Resp: 164117

Ion Ratio Lower Upper

152 100

115 53.3 27.0 81.0

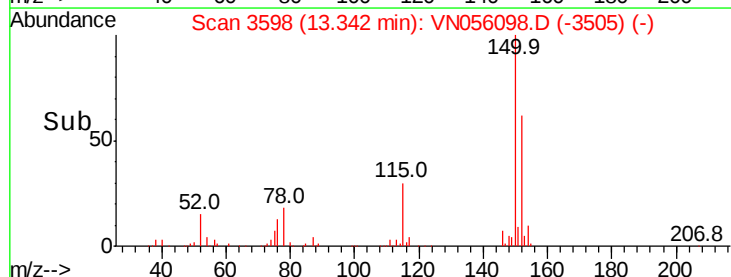
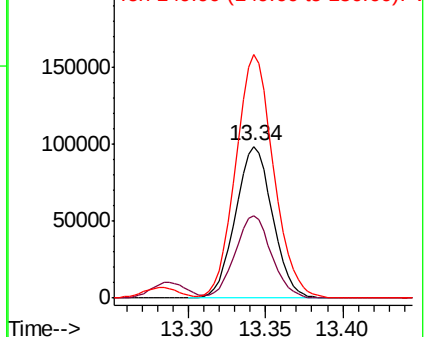
150 164.3 0.0 343.2

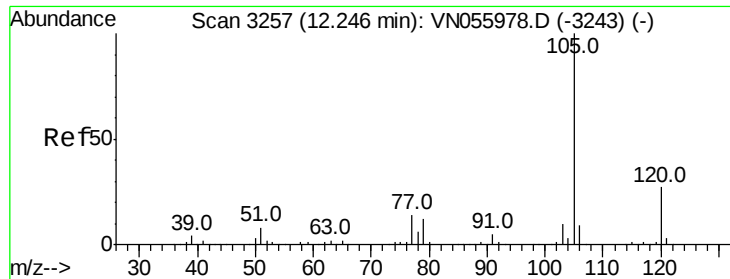


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.892 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 105 Resp: 272008

Ion Ratio Lower Upper

105 100

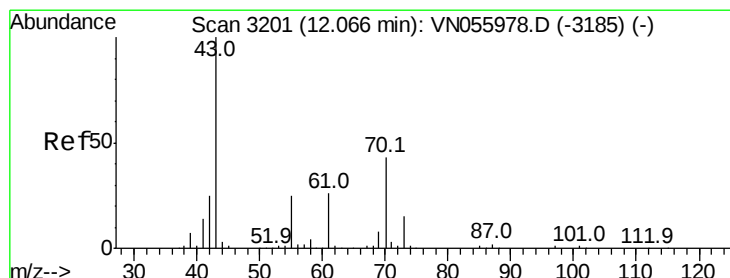
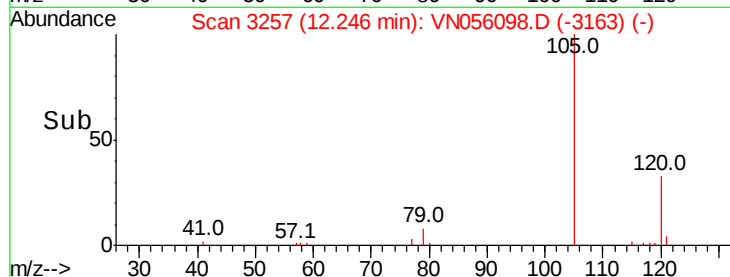
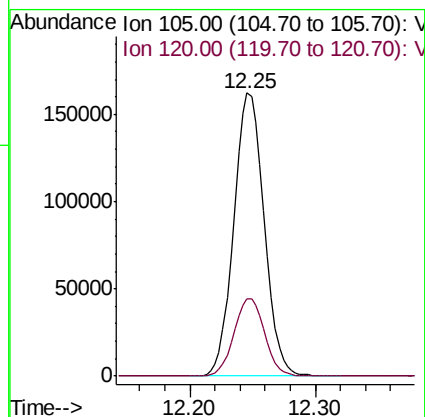
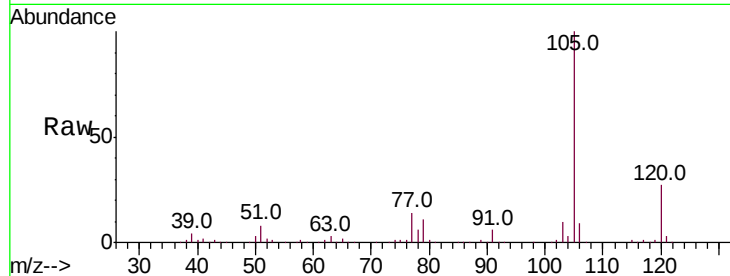
120 27.5 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.468 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion: 43 Resp: 93917

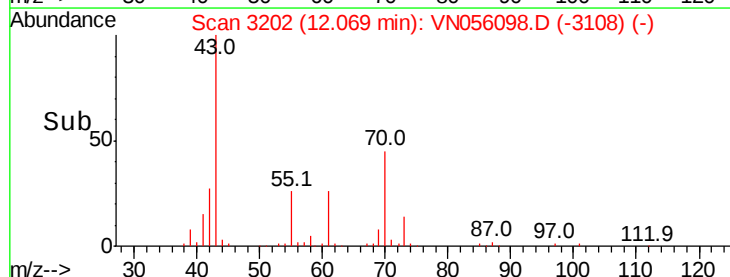
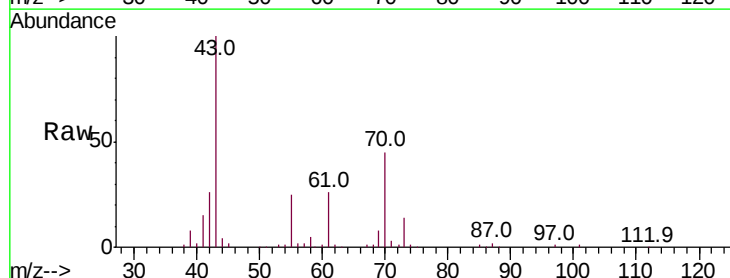
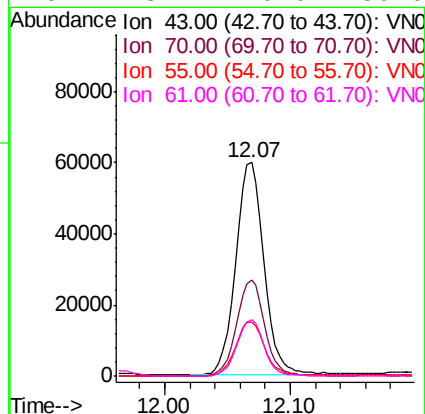
Ion Ratio Lower Upper

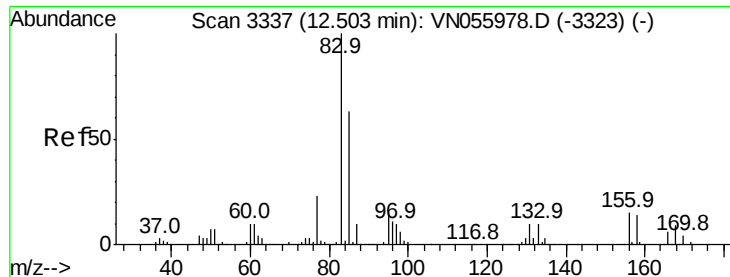
43 100

70 44.7 34.0 51.0

55 26.5 18.6 28.0

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.684 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

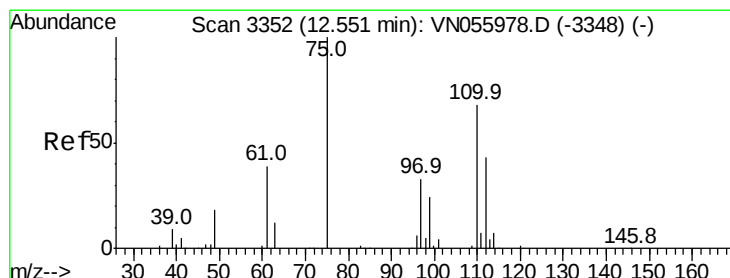
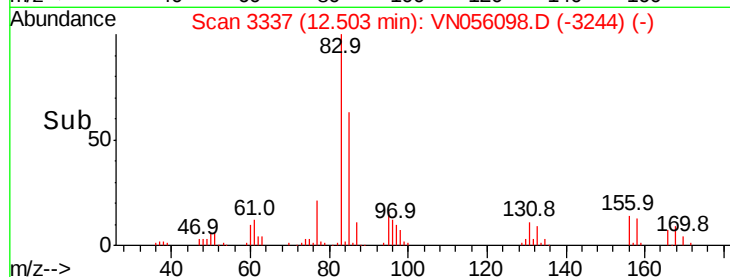
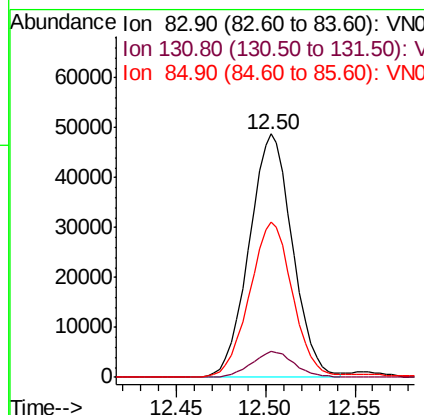
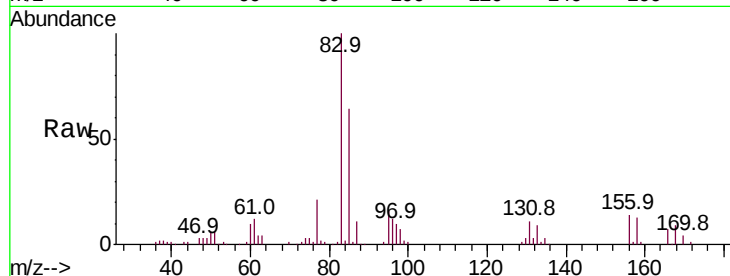
ClientSampleId :

VN0608WBSD02

Tot Ion:	83	Resp:	82614
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	63.1	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.348 ug/l m

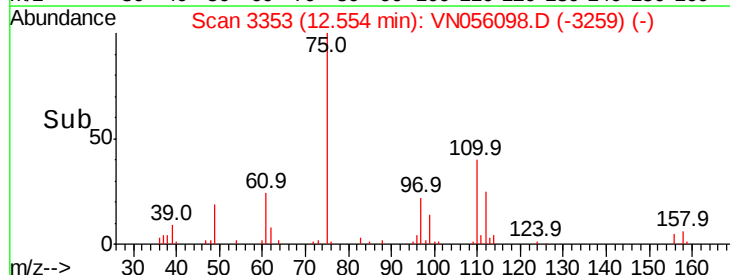
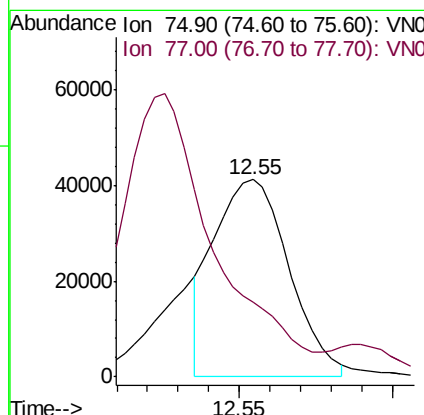
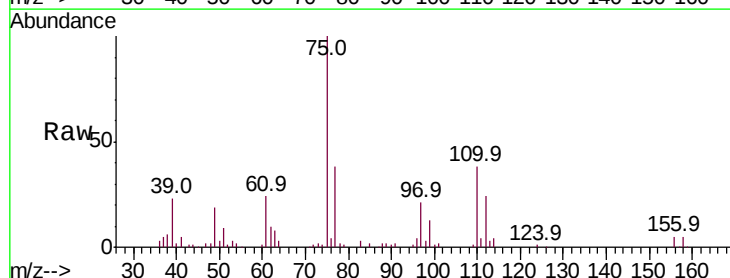
RT: 12.55 min Scan# 3353

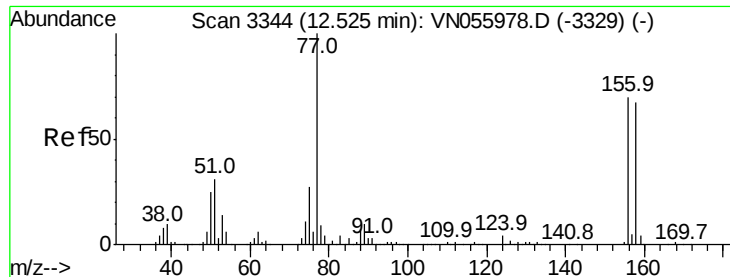
Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Tgt Ion:	75	Resp:	70506
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.540 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion:156 Resp: 72173

Ion Ratio Lower Upper

156 100

77 174.7 90.8 272.5

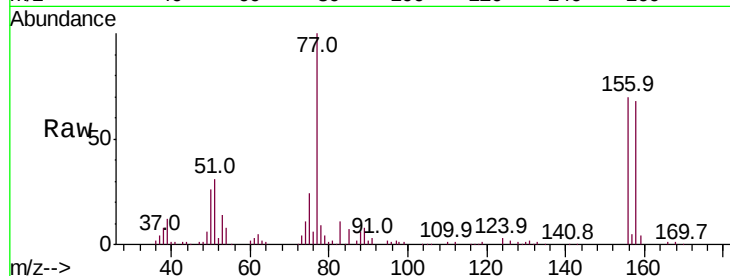
158 96.9 49.3 147.8

Manual Integrations

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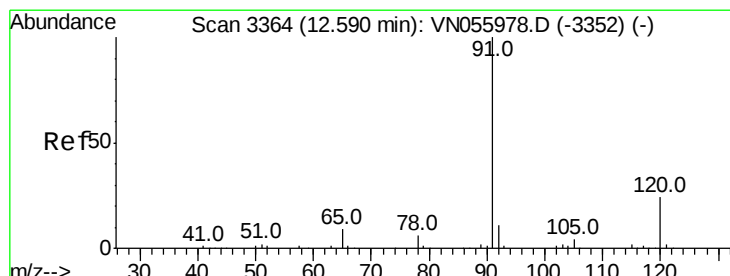
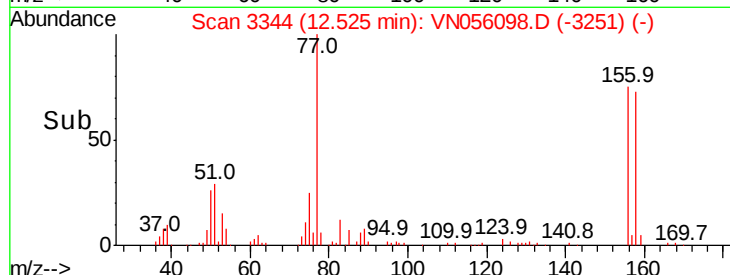
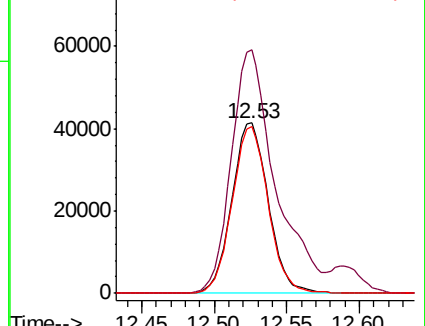
6/10/2019 11:26:54 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.375 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056098.D

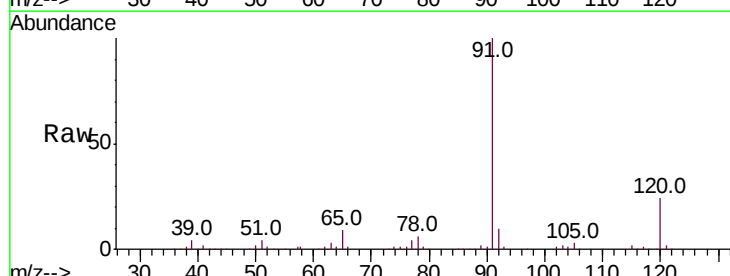
Acq: 7 Jun 2019 14:31

Tgt Ion: 91 Resp: 282885

Ion Ratio Lower Upper

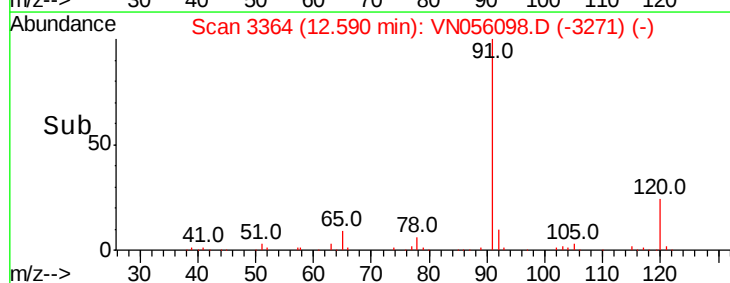
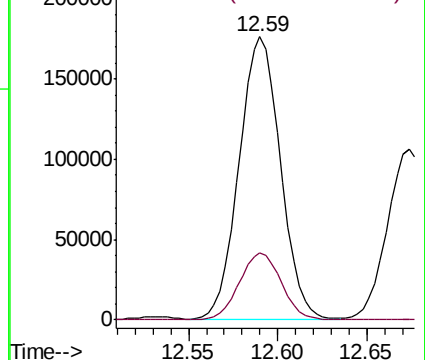
91 100

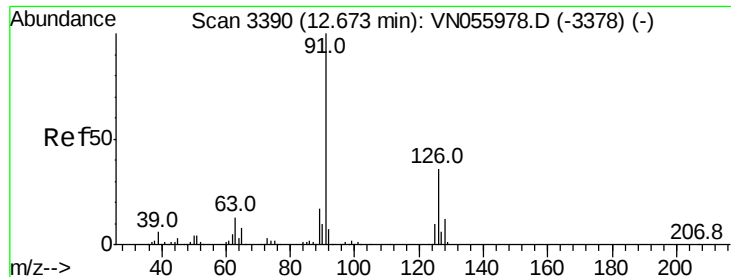
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.671 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 91 Resp: 177020

Ion Ratio Lower Upper

91 100

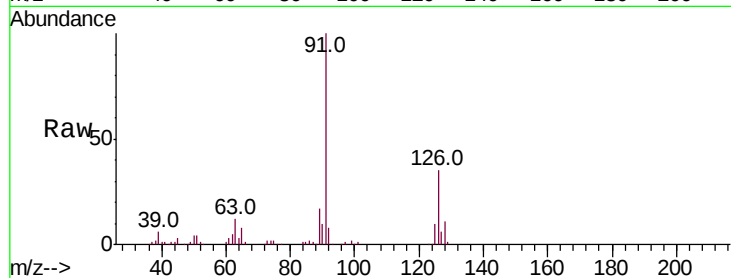
126 35.6 18.1 54.4

Manual Integrations

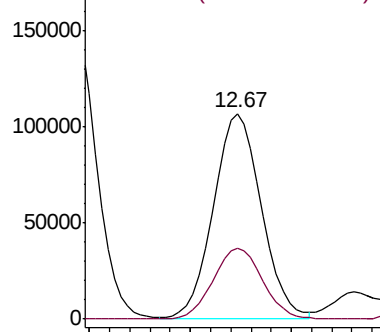
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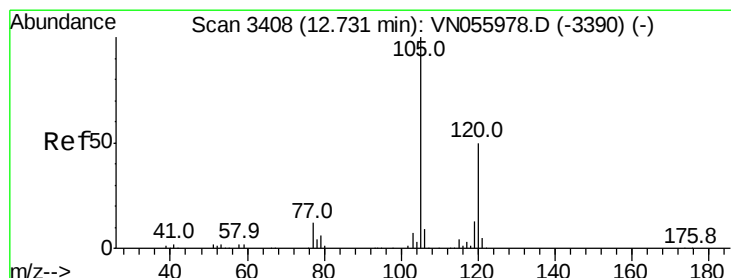
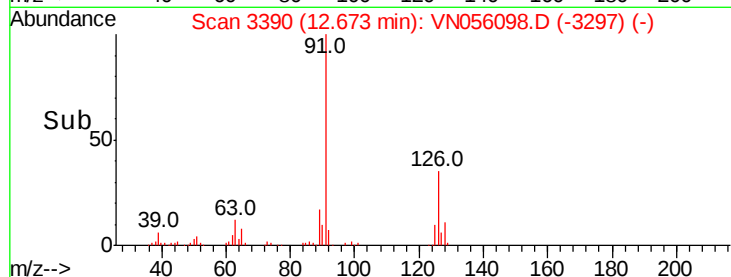
6/10/2019 11:26:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.256 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056098.D

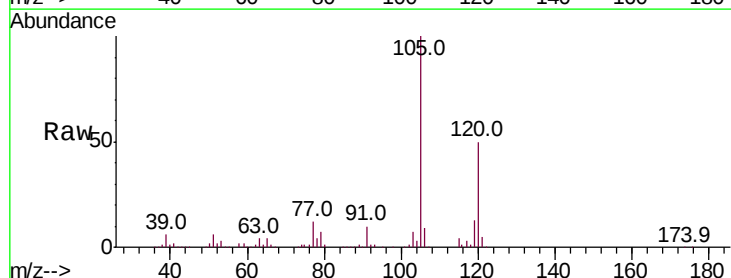
Acq: 7 Jun 2019 14:31

Tgt Ion: 105 Resp: 223513

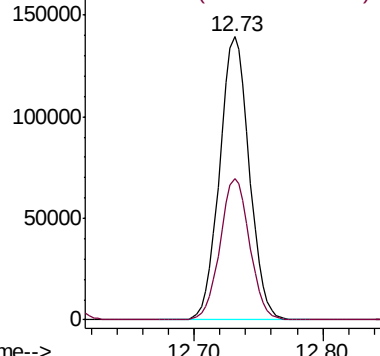
Ion Ratio Lower Upper

105 100

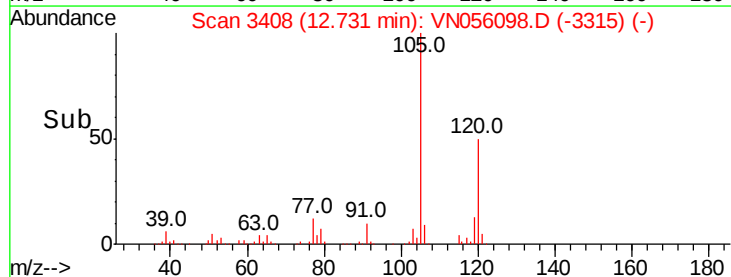
120 49.8 24.7 74.1

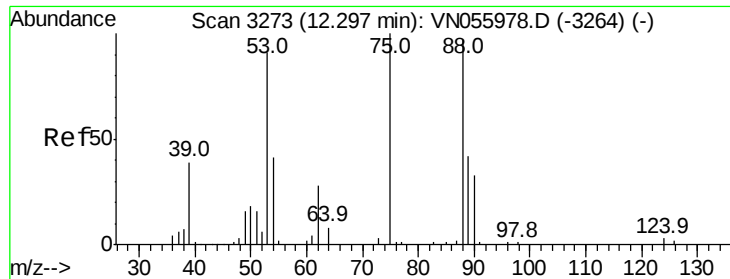


Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)



Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 17.829 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056098.D

Acq: 7 Jun 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD02

Tot Ion: 75 Resp: 16167

Ion Ratio Lower Upper

75 100

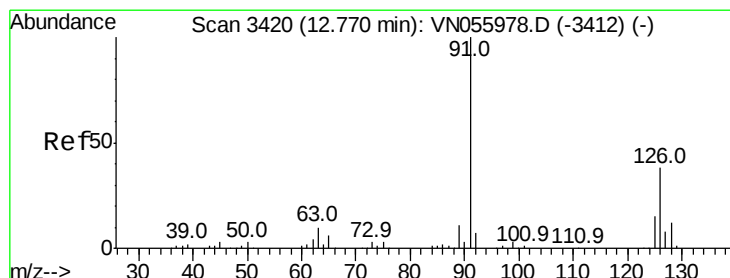
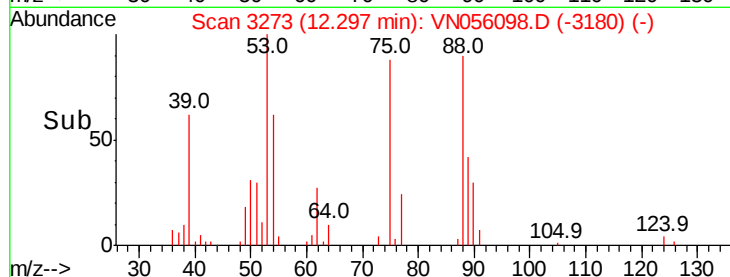
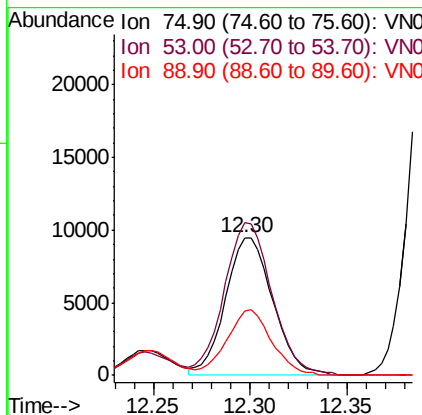
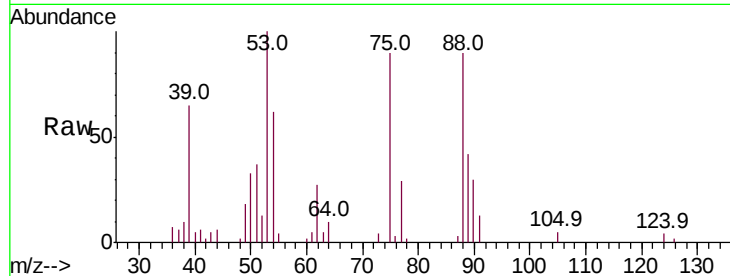
53 112.1 68.1 102.1#

89 44.9 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.162 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056098.D

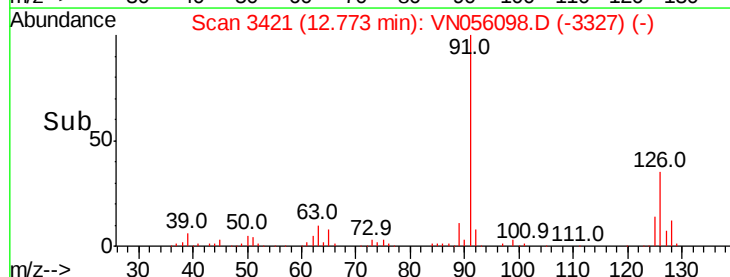
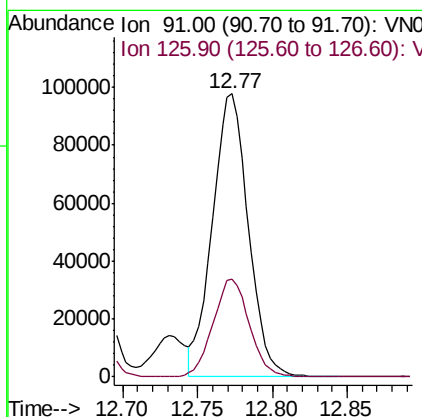
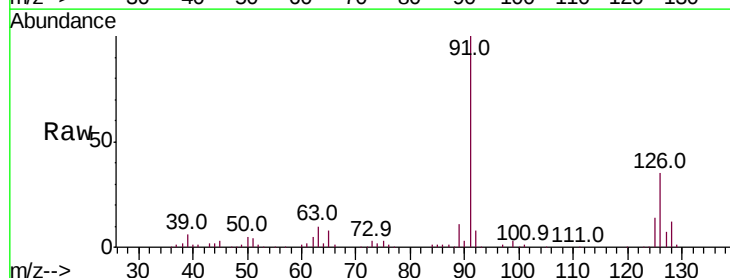
Acq: 7 Jun 2019 14:31

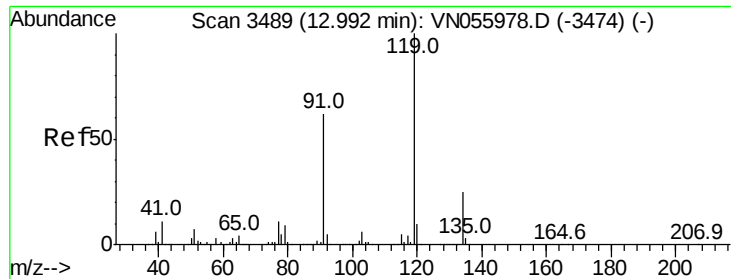
Tgt Ion: 91 Resp: 163773

Ion Ratio Lower Upper

91 100

126 34.8 17.8 53.3





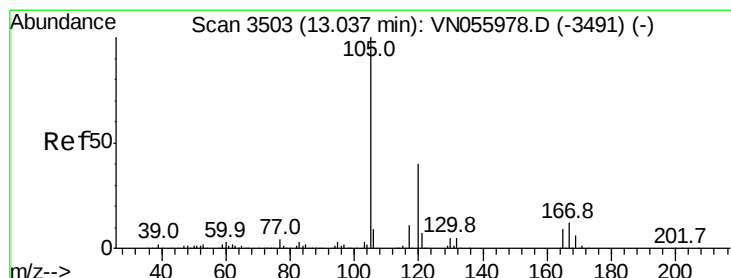
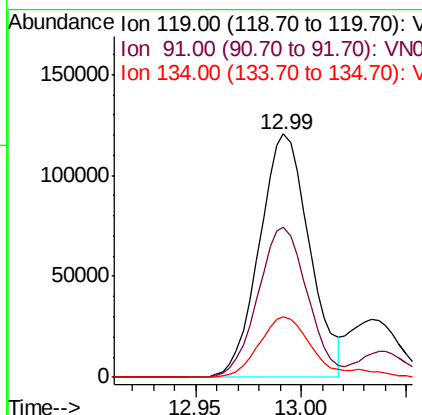
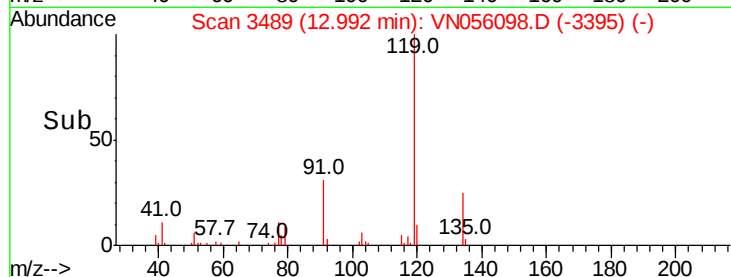
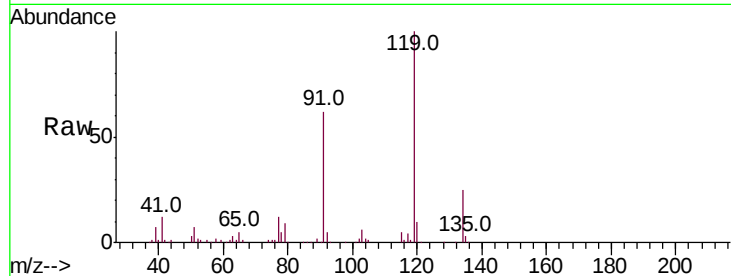
#83
tert-Butylbenzene
Concen: 21.695 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.9	92.8
134	27.3	13.3	39.8

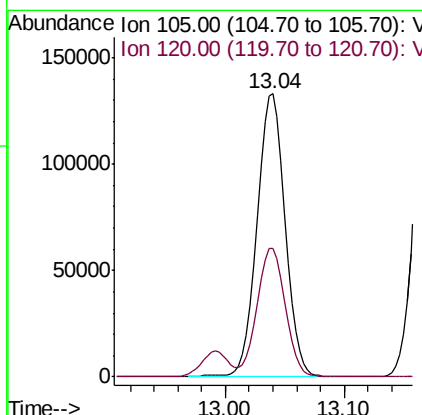
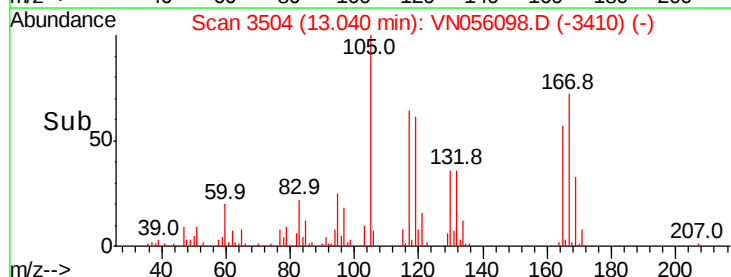
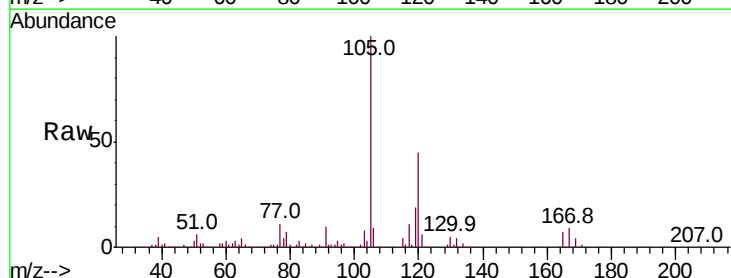
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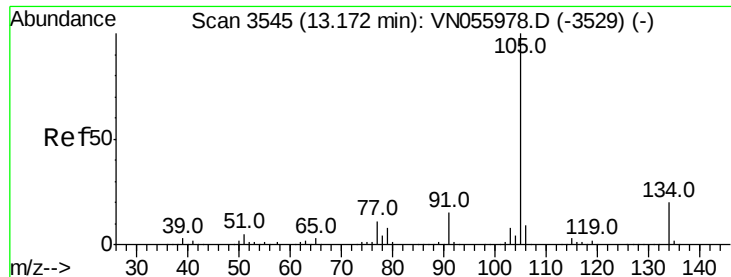
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#84
1,2,4-Trimethylbenzene
Concen: 20.795 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.0	69.0





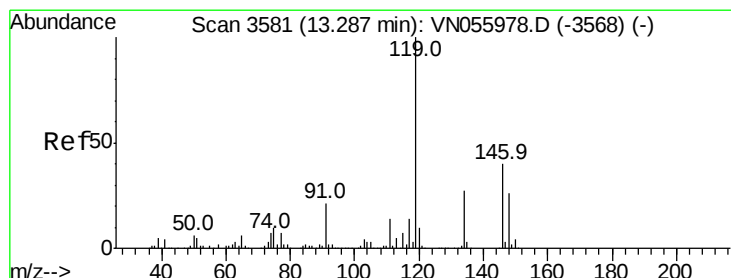
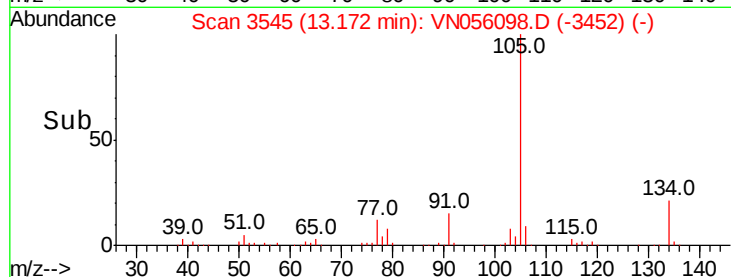
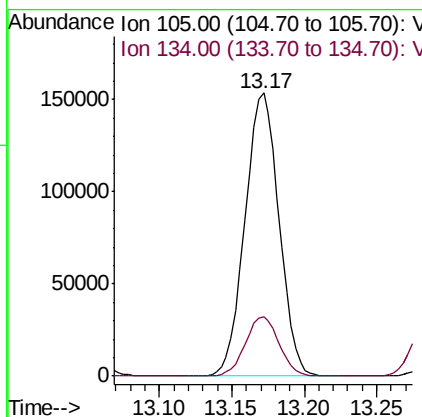
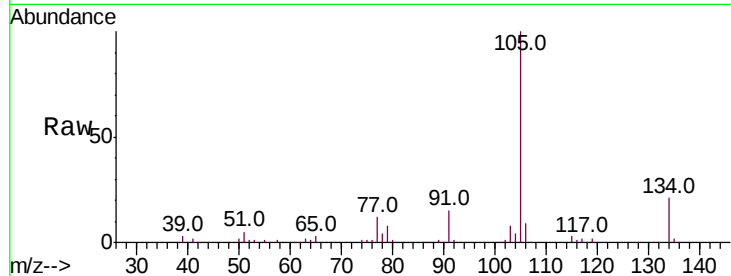
#85
 sec-Butylbenzene
 Concen: 20.430 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion:105 Resp: 251207
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.2

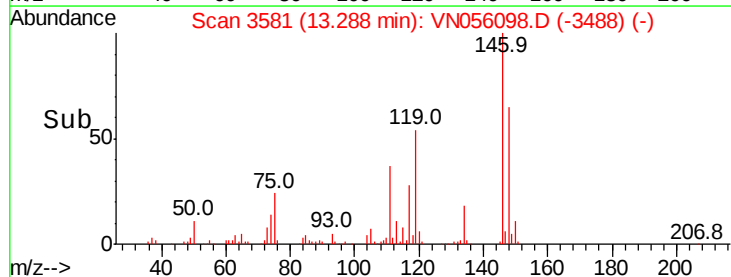
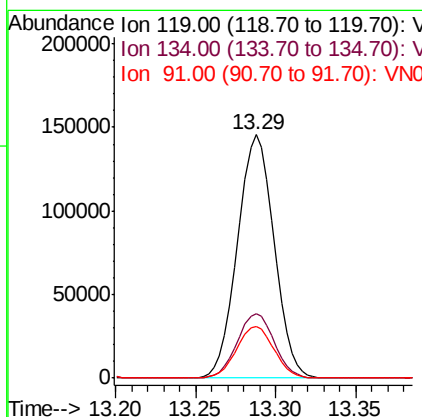
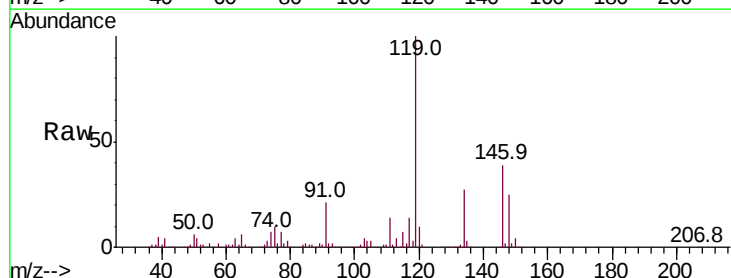
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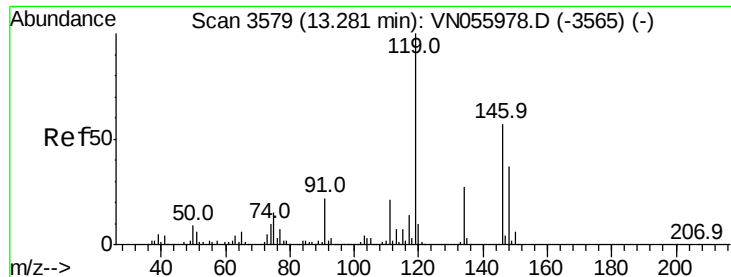
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#86
 p-Isopropyltoluene
 Concen: 20.639 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion:119 Resp: 227118
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 21.8 10.9 32.9





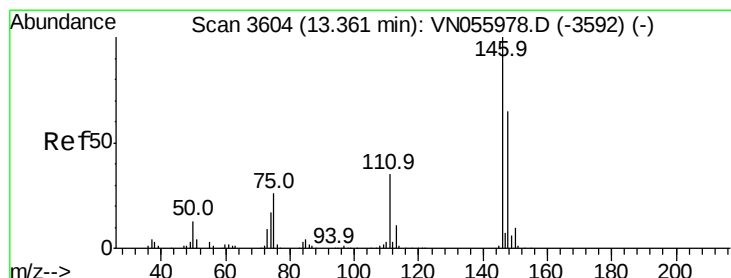
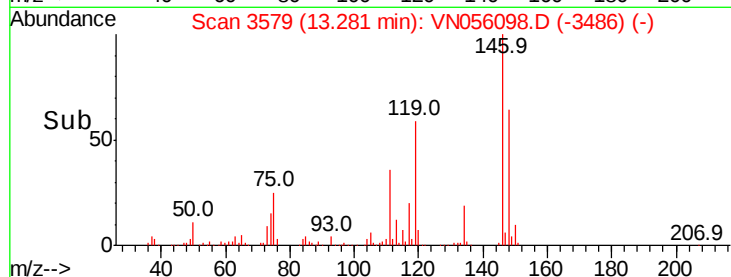
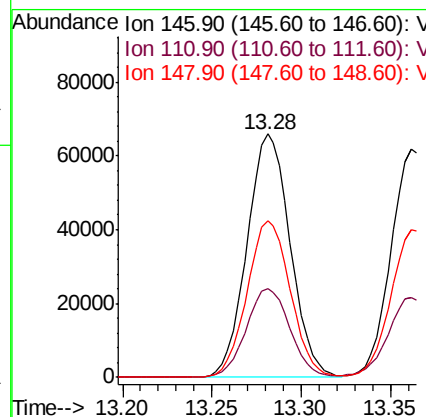
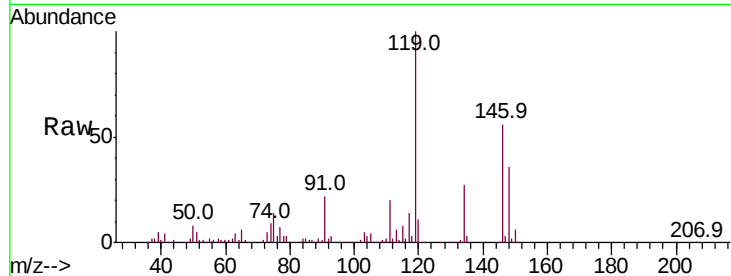
#87
 1,3-Dichlorobenzene
 Concen: 20.417 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.8	32.0	96.2

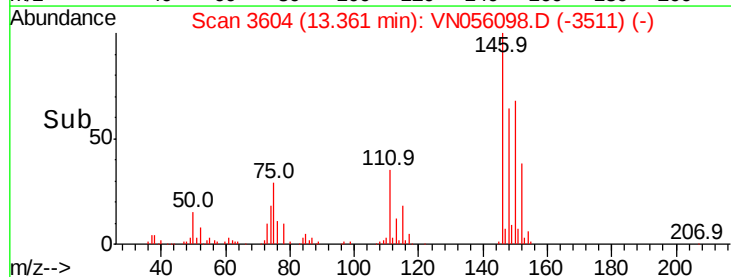
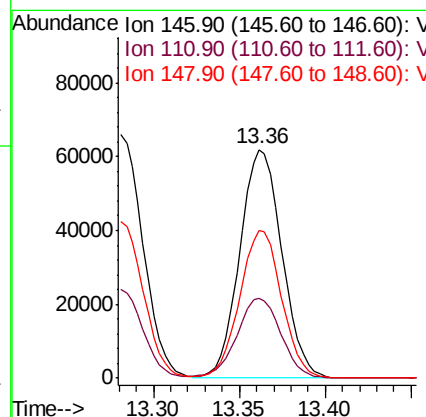
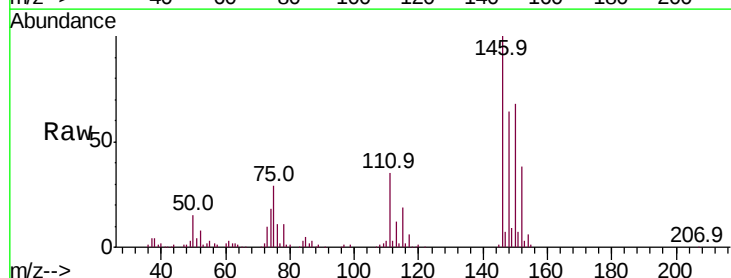
Manual Integrations
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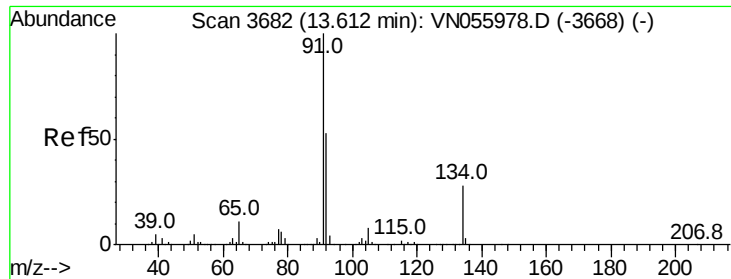
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 6/10/2019 11:26:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.118 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.4
148	64.2	32.1	96.5





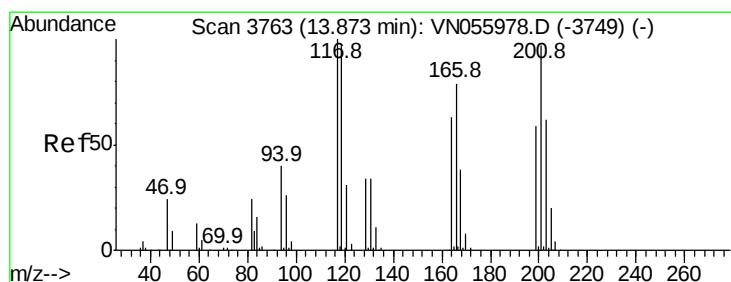
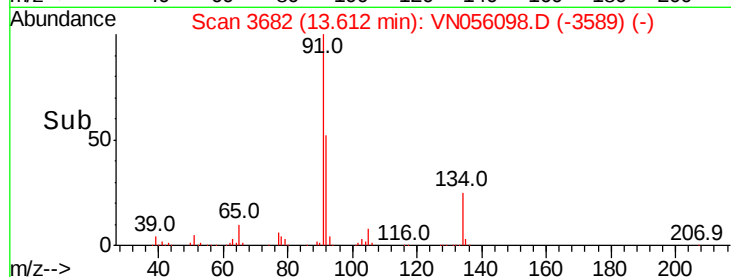
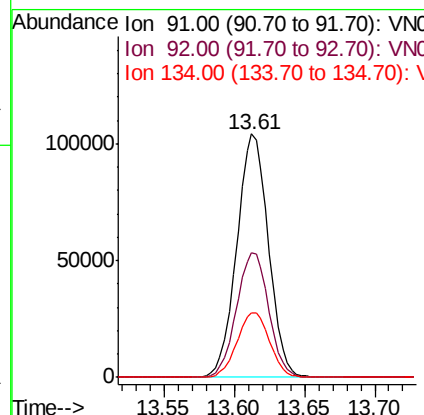
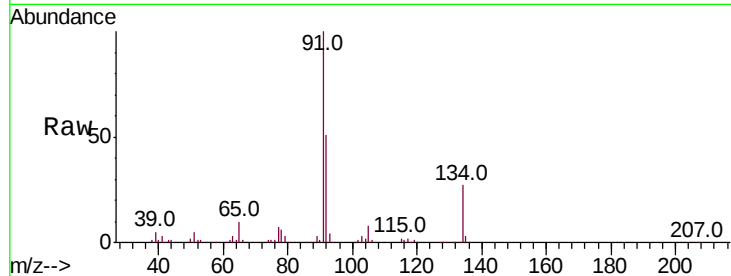
#89
n-Butylbenzene
Concen: 20.050 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.0
134	27.3	13.9	41.7

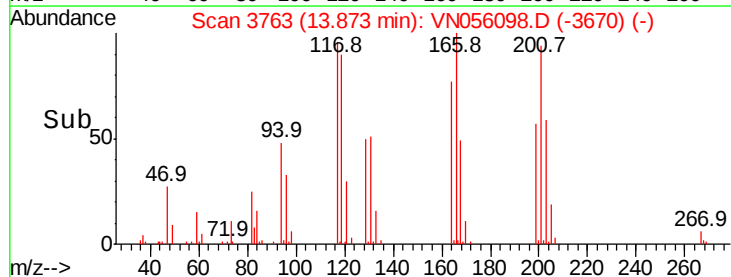
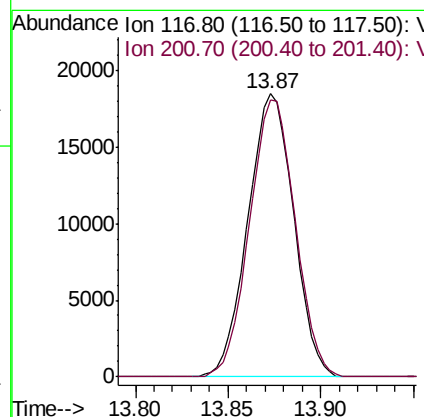
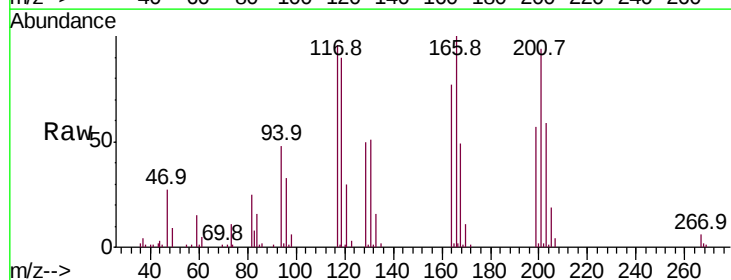
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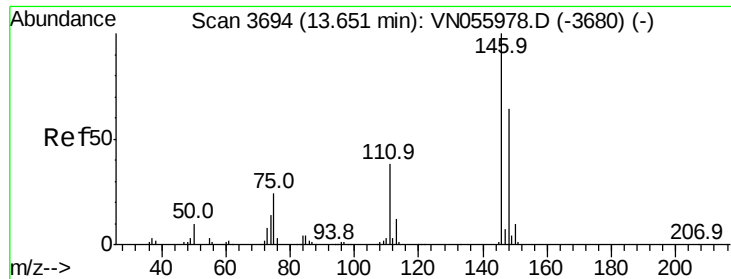
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#90
Hexachloroethane
Concen: 19.088 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	50.0	150.0





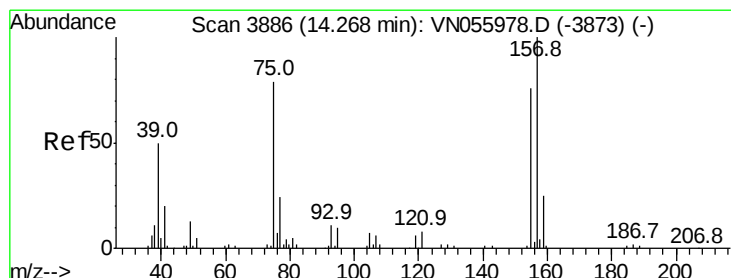
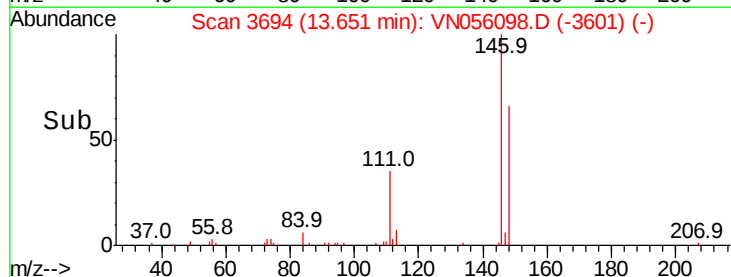
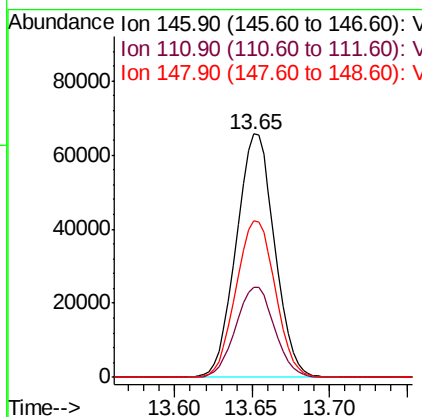
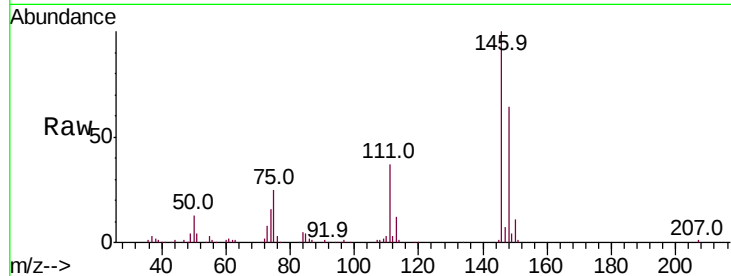
#91
 1,2-Dichlorobenzene
 Concen: 20.596 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	65.7	31.9	95.9

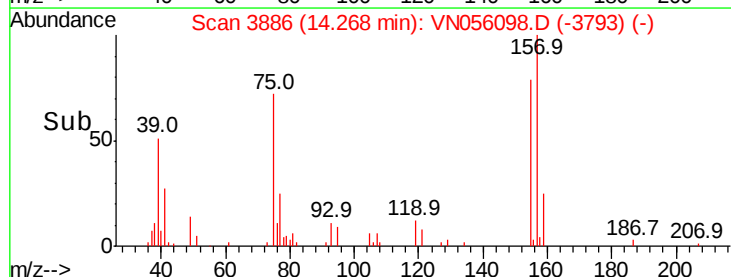
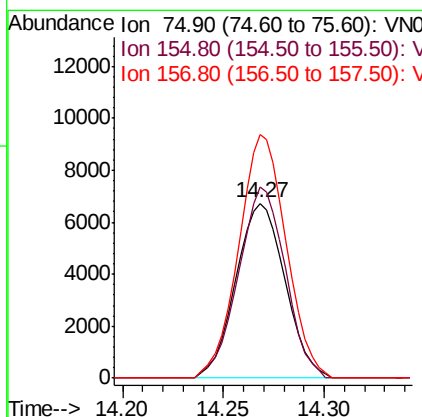
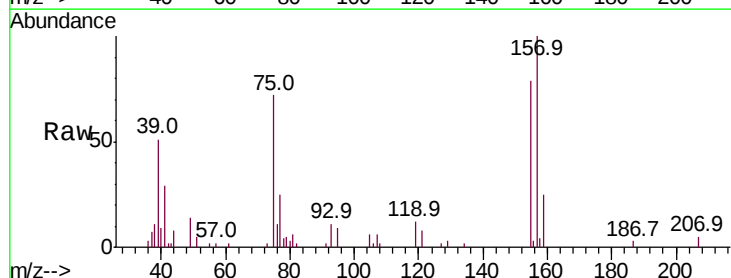
Manual Integrations
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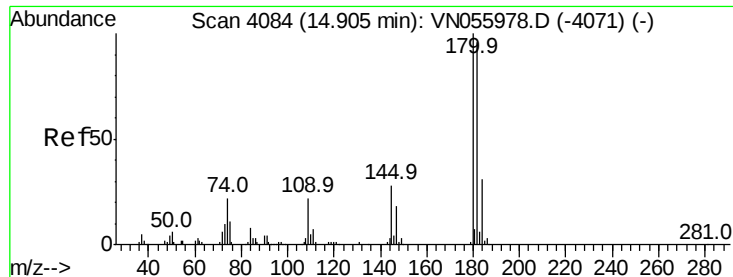
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.084 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.2	50.0	150.1
157	134.3	64.8	194.3





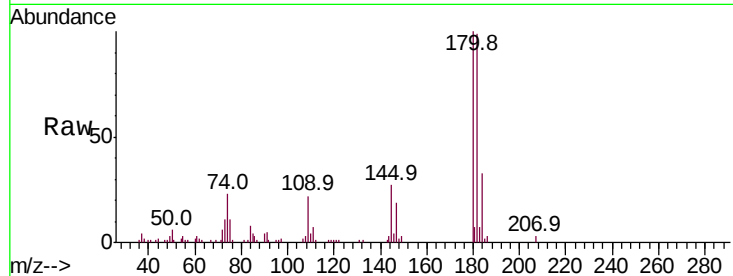
#93
 1,2,4-Trichlorobenzene
 Concen: 18.795 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.2	48.3	144.9	
145	28.6	14.0	41.9	

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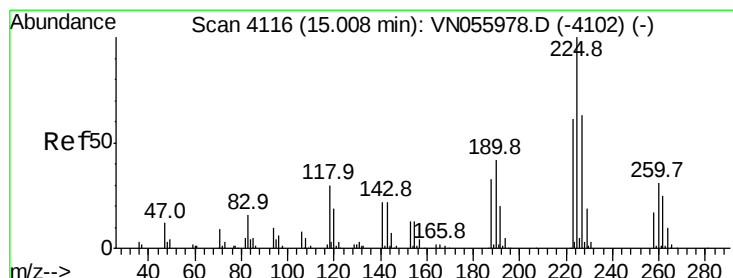
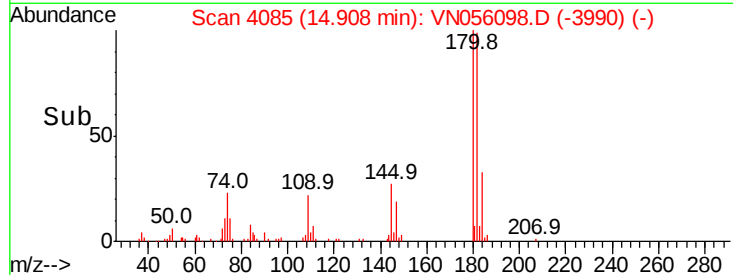
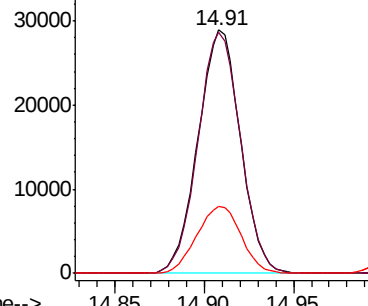


Abundance

Ion 179.80 (179.50 to 180.50): V

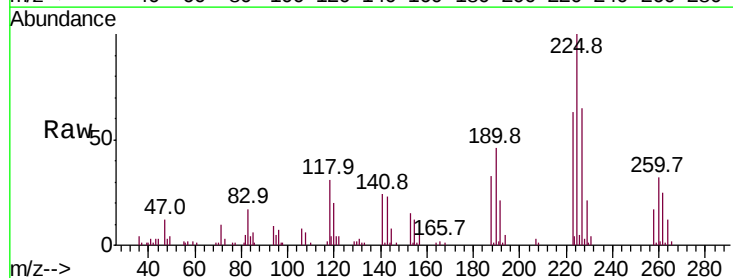
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.114 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056098.D
 Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	30.9	92.7	
227	63.4	31.6	94.7	

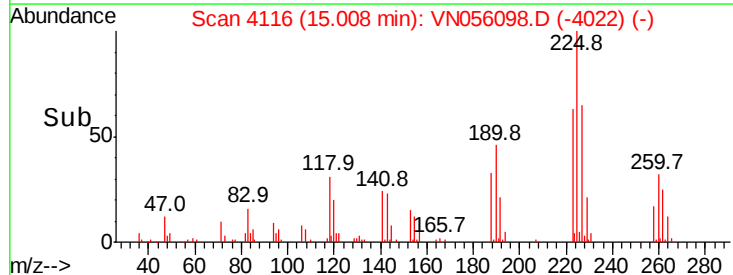
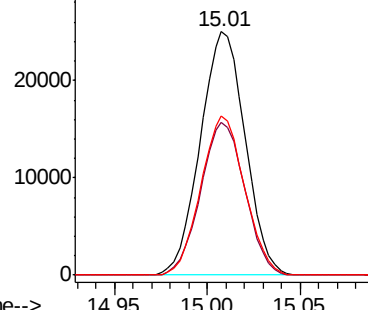


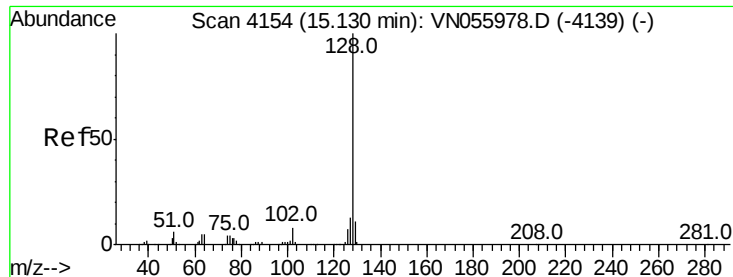
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





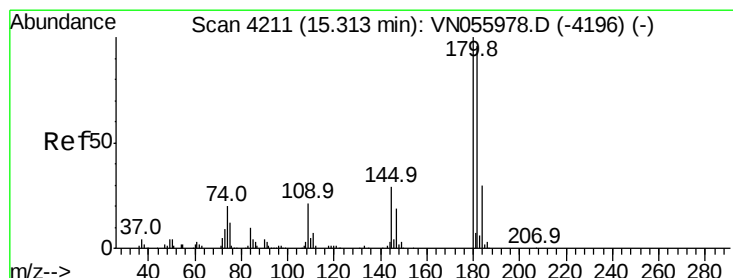
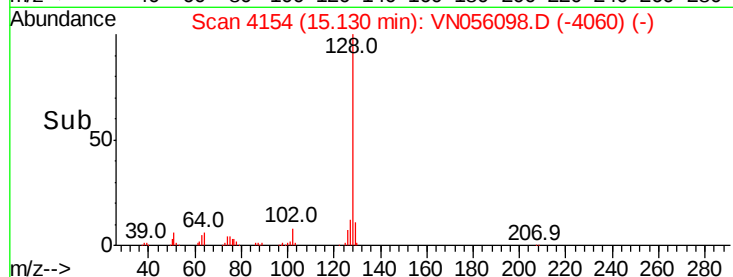
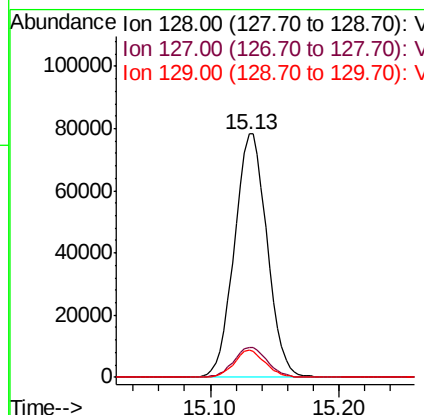
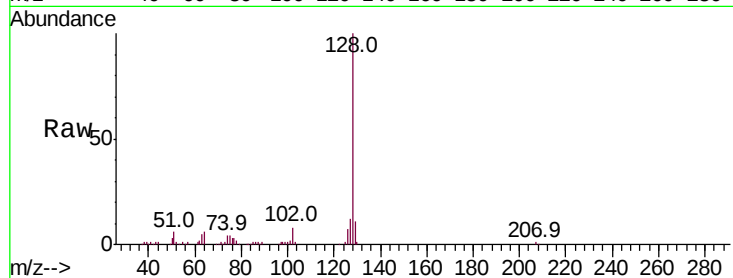
#95
Naphthalene
Concen: 20.041 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.6	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 20.588 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056098.D
Acq: 7 Jun 2019 14:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.7
145	28.7	14.9	44.7

