

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
 Data File : VN055964.D
 Acq On : 3 Jun 2019 16:20
 Operator : JC/SP
 Sample : VN0603MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 11:24:47 AM

Quant Time: Jun 04 02:06:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	299353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	435635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	388354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	160885	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	7.59	113	141072	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.09	98	527856	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	177200	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	32438	16.101	ug/l	93
3) Chloromethane	2.06	50	48846	17.304	ug/l	99
4) Vinyl Chloride	2.18	62	51892	17.236	ug/l	99
5) Bromomethane	2.53	94	38106m	20.231	ug/l	
6) Chloroethane	2.68	64	34343	18.946	ug/l	96
7) Trichlorofluoromethane	3.00	101	71323	18.069	ug/l	100
8) Diethyl Ether	3.40	74	34226	19.346	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	46450	18.852	ug/l	98
10) Methyl Iodide	3.94	142	71744	19.916	ug/l	98
11) Tert butyl alcohol	4.82	59	58749	99.460	ug/l	100
12) 1,1-Dichloroethene	3.72	96	46304	18.188	ug/l	99
13) Acrolein	3.60	56	28400	67.147	ug/l	95
14) Allyl chloride	4.31	41	76785	17.593	ug/l	98
15) Acrylonitrile	4.99	53	141359	104.220	ug/l	99
16) Acetone	3.82	43	125590	92.417	ug/l	100
17) Carbon Disulfide	4.04	76	90553	12.519	ug/l	100
18) Methyl Acetate	4.33	43	62957	22.082	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	165924	19.541	ug/l	98
20) Methylene Chloride	4.54	84	56714	19.271	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	49451	18.080	ug/l	97
22) Diisopropyl ether	5.95	45	166884	19.660	ug/l	99
23) Vinyl Acetate	5.90	43	678739	93.258	ug/l	100
24) 1,1-Dichloroethane	5.84	63	94493	19.119	ug/l	99
25) 2-Butanone	6.84	43	188659	99.405	ug/l	98
26) 2,2-Dichloropropane	6.82	77	64963	15.187	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	61970	19.420	ug/l	97
28) Bromochloromethane	7.19	49	50211	21.338	ug/l	99
29) Tetrahydrofuran	7.22	42	124053	103.217	ug/l	100
30) Chloroform	7.37	83	97018	19.683	ug/l	100
31) Cyclohexane	7.65	56	83312	17.954	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	78592	17.868	ug/l	99
36) 1,1-Dichloropropene	7.79	75	68340	18.001	ug/l	98
37) Ethyl Acetate	6.93	43	74000	20.168	ug/l	99
38) Carbon Tetrachloride	7.77	117	63420	16.038	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	78646	16.729	ug/l	99
40) Benzene	8.04	78	218593	19.105	ug/l	99
41) Methacrylonitrile	7.18	41	38554	20.798	ug/l	96
42) 1,2-Dichloroethane	8.12	62	73663	19.703	ug/l	99
43) Isopropyl Acetate	8.17	43	116666	18.924	ug/l	99
44) Trichloroethene	8.83	130	61440	19.262	ug/l	98
45) 1,2-Dichloropropane	9.12	63	59304	19.894	ug/l	98
46) Dibromomethane	9.21	93	38360	19.622	ug/l	99
47) Bromodichloromethane	9.40	83	67347	16.800	ug/l	97
48) Methyl methacrylate	9.20	41	56679	19.949	ug/l	98
49) 1,4-Dioxane	9.20	88	25803	437.017	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	375787	103.210	ug/l	99
52) Toluene	10.15	92	139536	19.391	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	70231	16.413	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	81058	17.100	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	58139	20.168	ug/l	99
56) Ethyl methacrylate	10.43	69	87082	19.546	ug/l	98
57) 1,3-Dichloropropane	10.71	76	93327	19.917	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	175200	102.901	ug/l	100
59) 2-Hexanone	10.75	43	264800	102.518	ug/l	98
60) Dibromochloromethane	10.90	129	56856	16.930	ug/l	99
61) 1,2-Dibromoethane	11.00	107	58958	19.717	ug/l	99
64) Tetrachloroethene	10.63	164	60281	18.404	ug/l	98
65) Chlorobenzene	11.43	112	151053	19.430	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54375	17.536	ug/l	99
67) Ethyl Benzene	11.51	91	263204	18.879	ug/l	98
68) m/p-Xylenes	11.62	106	198218	37.608	ug/l	98
69) o-Xylene	11.95	106	99687	19.064	ug/l	100
70) Styrene	11.96	104	158804	18.753	ug/l	99
71) Bromoform	12.13	173	37055	14.011	ug/l #	98
73) Isopropylbenzene	12.25	105	260922	21.372	ug/l	100
74) N-amyl acetate	12.07	43	96204	20.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	81746	22.395	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	70769m	24.022	ug/l	
77) Bromobenzene	12.53	156	68822	20.134	ug/l	99
78) n-propylbenzene	12.59	91	268216	19.266	ug/l	100
79) 2-Chlorotoluene	12.67	91	169909	21.189	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	211073	20.497	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18696	15.704	ug/l	88
82) 4-Chlorotoluene	12.77	91	155309	18.978	ug/l	100
83) tert-Butylbenzene	12.99	119	193541	21.628	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	207031	20.227	ug/l	99
85) sec-Butylbenzene	13.17	105	239833	20.866	ug/l	100
86) p-Isopropyltoluene	13.29	119	213751	19.215	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105738	19.536	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	99651	19.366	ug/l	99
89) n-Butylbenzene	13.61	91	151779	17.808	ug/l	99
90) Hexachloroethane	13.87	117	32000	15.113	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	106645	19.749	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12335	17.379	ug/l	98

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QLast Update : Fri May 24 06:41:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44924	17.045	ug/l	99
94) Hexachlorobutadiene	15.01	225	38029	18.874	ug/l	98
95) Naphthalene	15.13	128	134051	18.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52823	18.505	ug/l	100

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

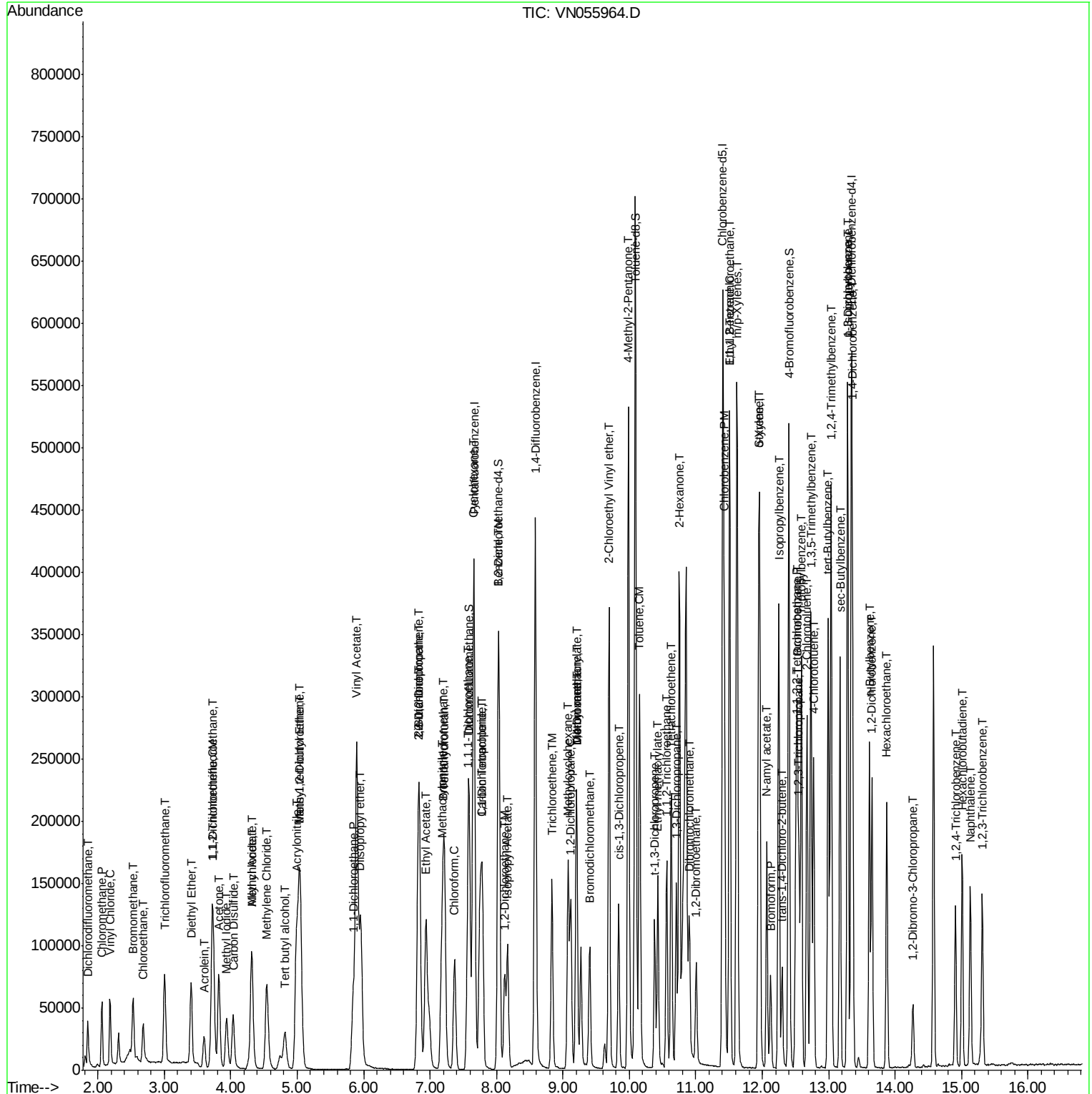
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
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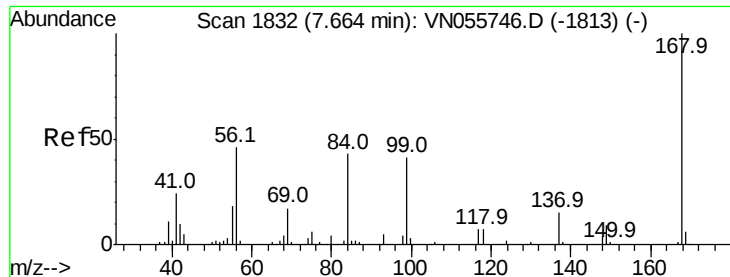
Instrument :
 MSVOA_N
 Client Sample ID :
 VN0603MBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBS01

Tot Ion:168 Resp: 299353

Ion Ratio Lower Upper

168 100

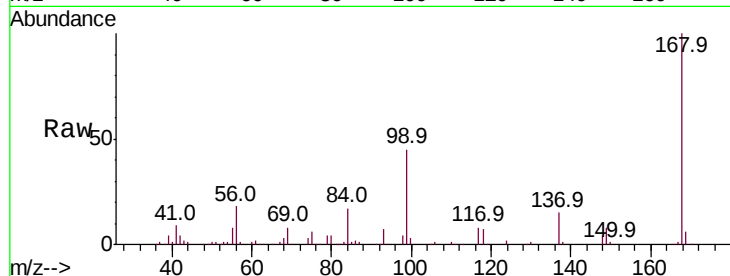
99 44.5 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

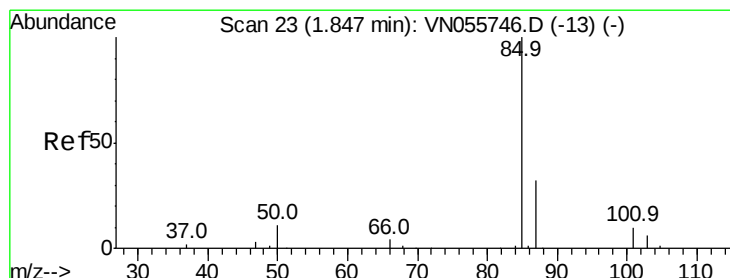
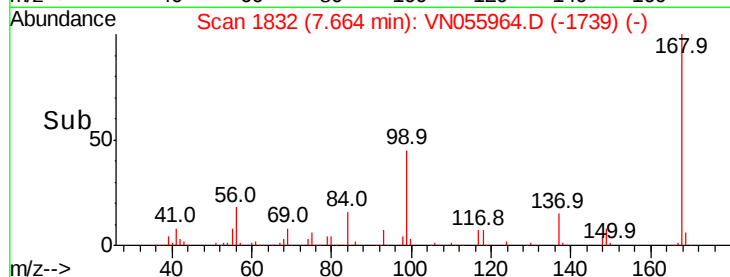
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.101 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055964.D

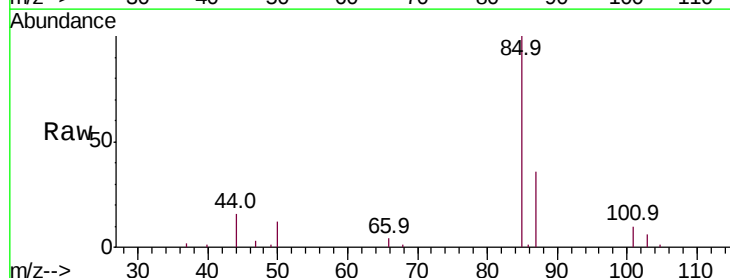
Acq: 3 Jun 2019 16:20

Tgt Ion: 85 Resp: 32438

Ion Ratio Lower Upper

85 100

87 36.4 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

20000

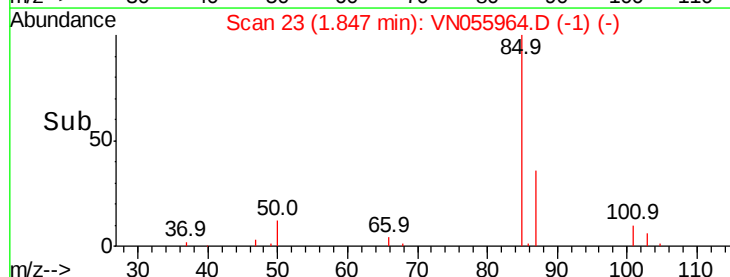
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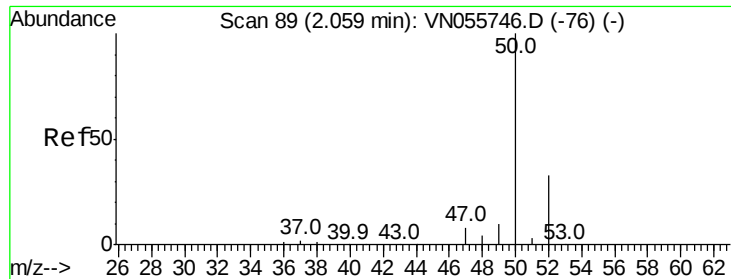
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5000

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Time-->





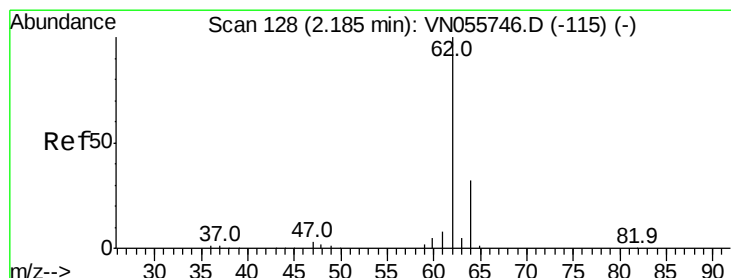
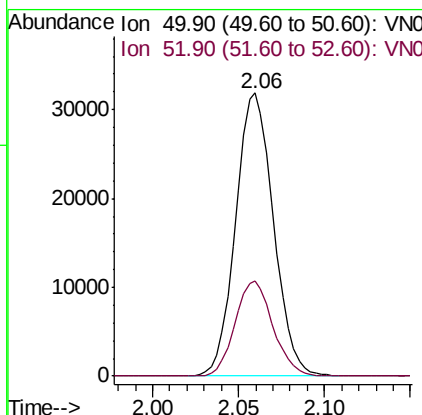
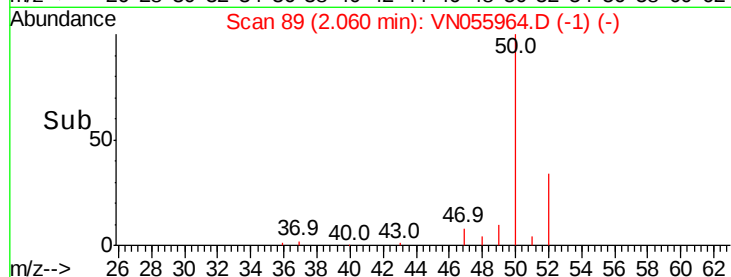
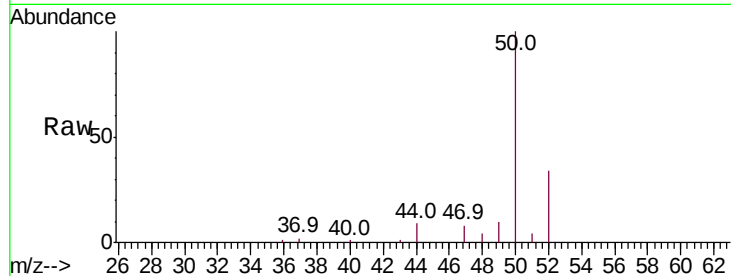
#3
Chloromethane
Concen: 17.304 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion: 50 Resp: 48846
Ion Ratio Lower Upper
50 100
52 33.7 26.6 40.0

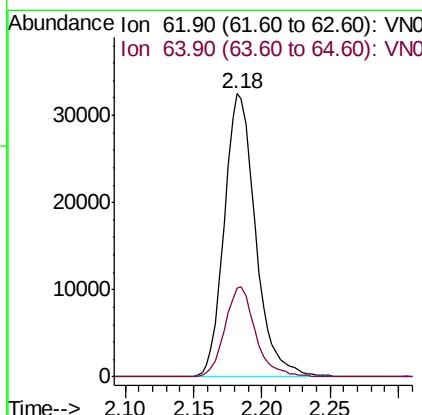
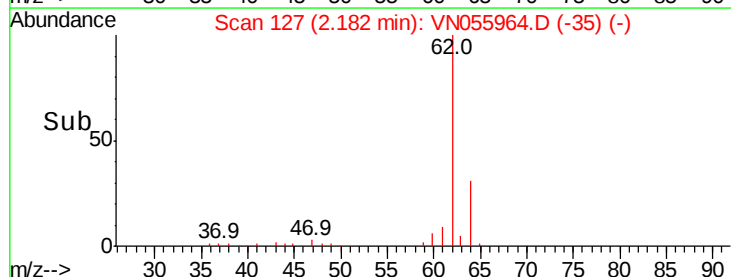
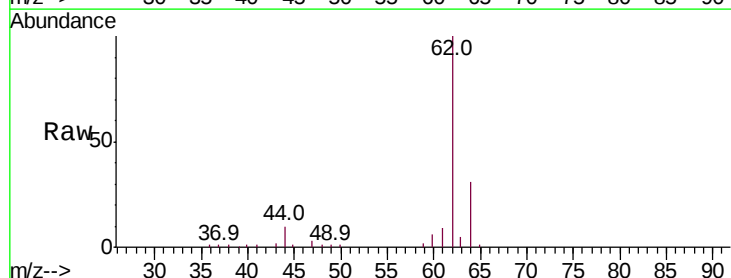
Manual Integrations
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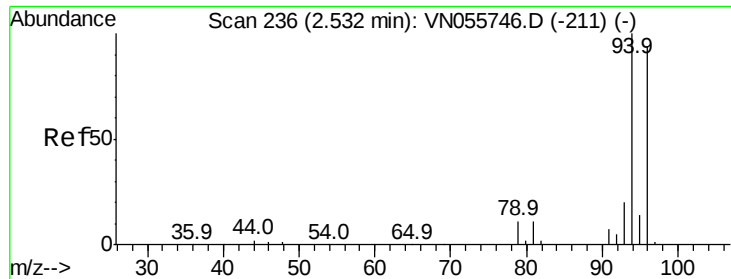
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#4
Vinyl Chloride
Concen: 17.236 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 62 Resp: 51892
Ion Ratio Lower Upper
62 100
64 31.3 25.6 38.4





#5

Bromomethane

Concen: 20.231 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBS01

Tot Ion: 94 Resp: 38106

Ion Ratio Lower Upper

94 100

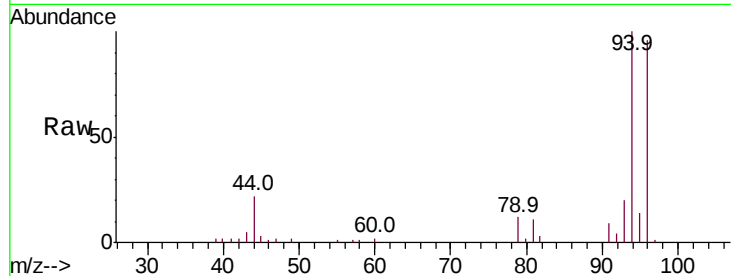
96 96.3 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

15000

10000

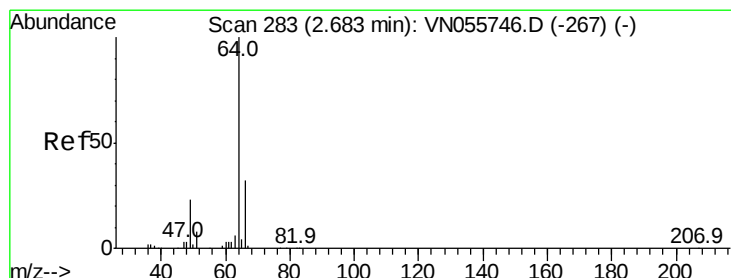
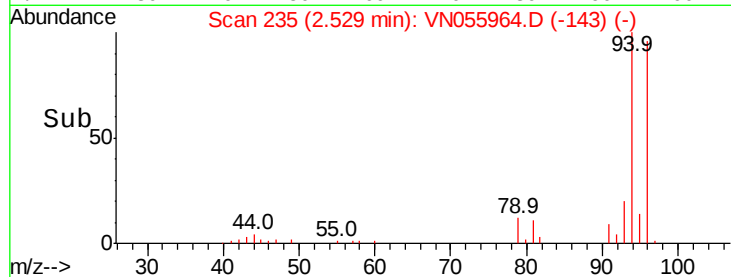
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Time-->

2.40 2.50 2.60 2.70

2.53



#6

Chloroethane

Concen: 18.946 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN055964.D

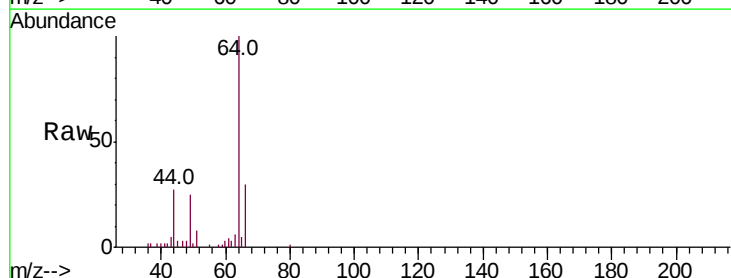
Acq: 3 Jun 2019 16:20

Tgt Ion: 64 Resp: 34343

Ion Ratio Lower Upper

64 100

66 29.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

15000

10000

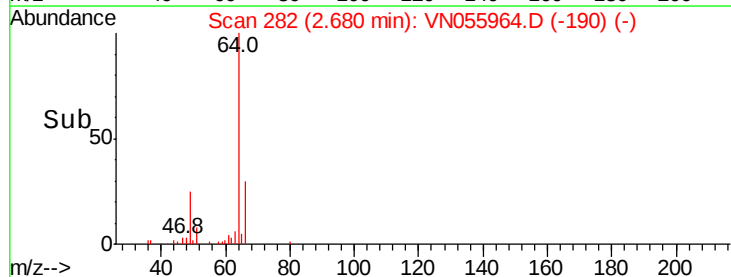
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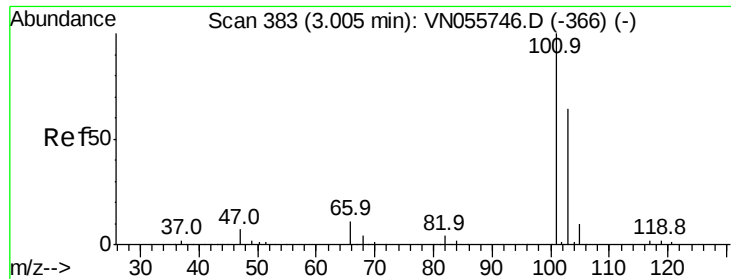
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Time-->

2.60 2.70 2.80

2.68





#7

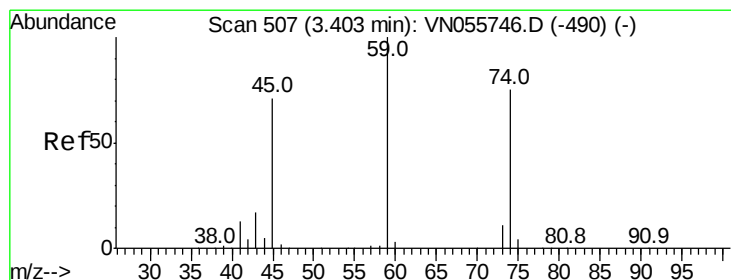
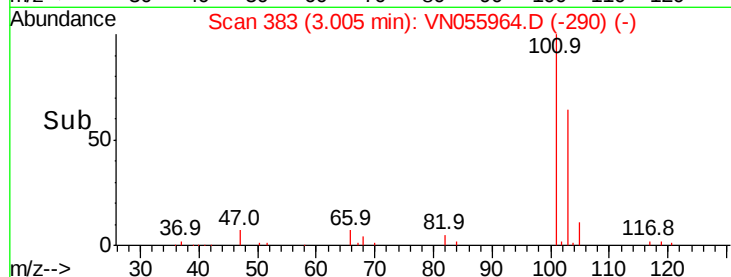
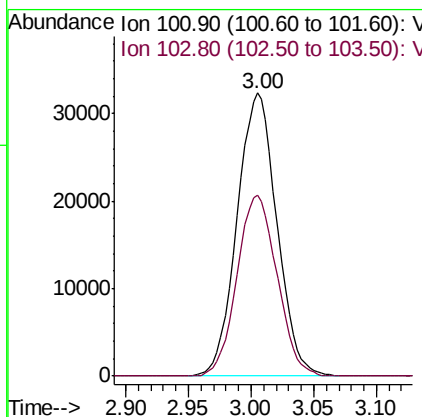
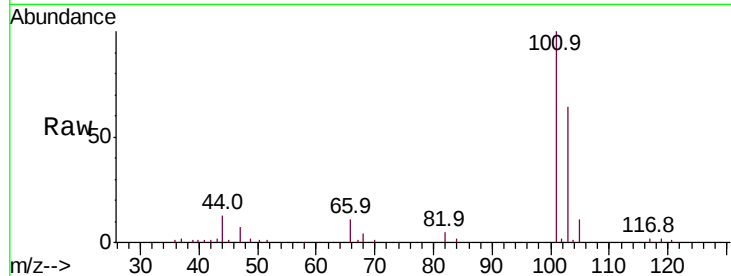
Trichlorofluoromethane
 Concen: 18.069 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Instrument :
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 ClientSampleId :
 VN0603MBS01

Tot Ion:101 Resp: 71323
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8

Manual Integrations
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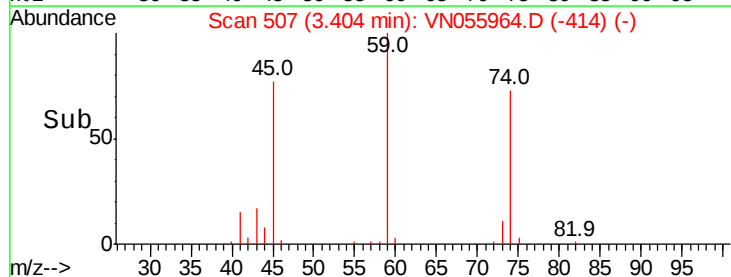
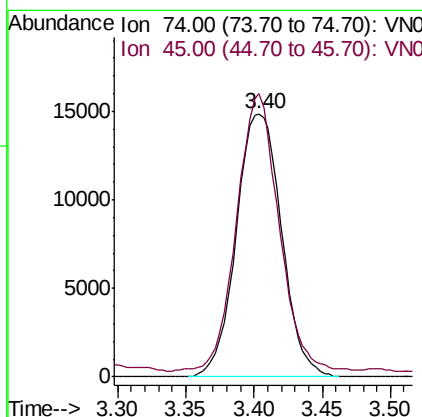
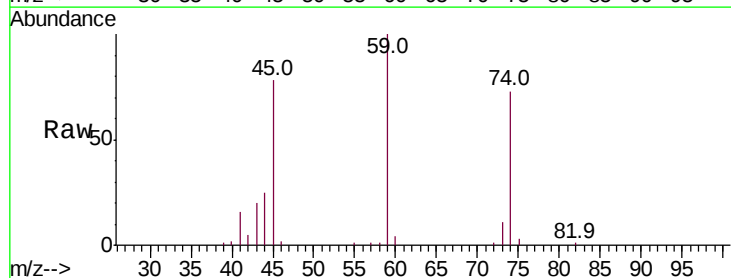
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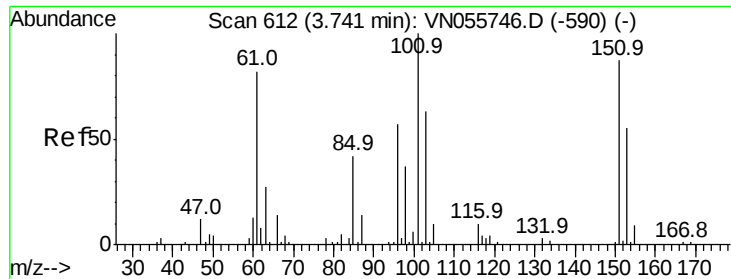


#8

Diethyl Ether
 Concen: 19.346 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Tgt Ion: 74 Resp: 34226
 Ion Ratio Lower Upper
 74 100
 45 98.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.852 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

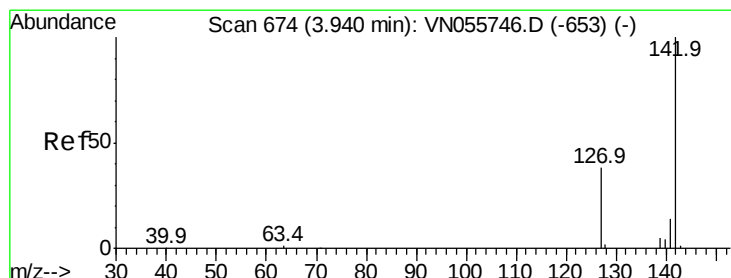
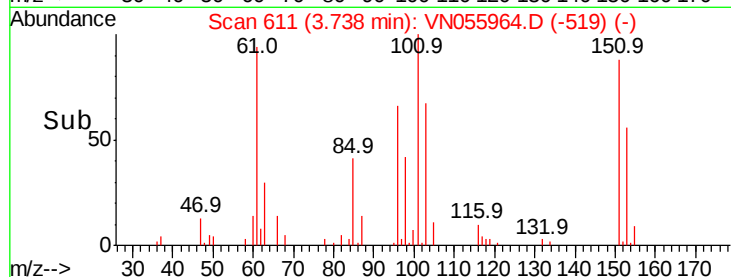
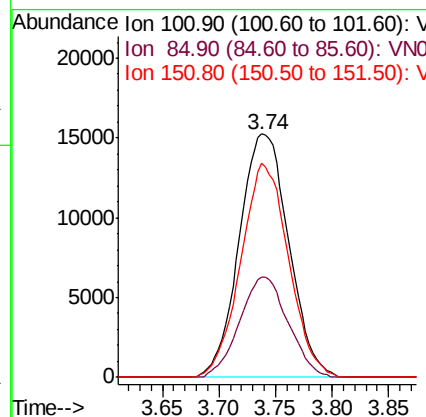
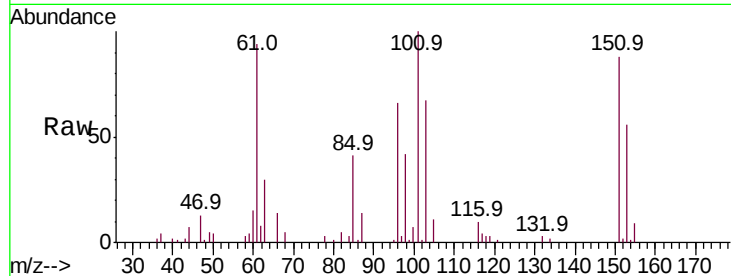
ClientSampleId :

VN0603MBS01

Tot Ion:	101	Resp:	46450
Ion Ratio	Lower	Upper	
101	100		
85	40.3	33.4	50.2
151	84.8	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.916 ug/l

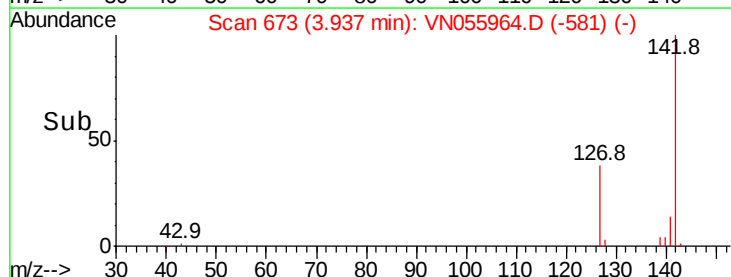
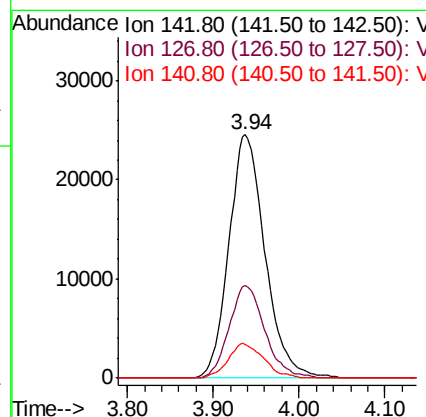
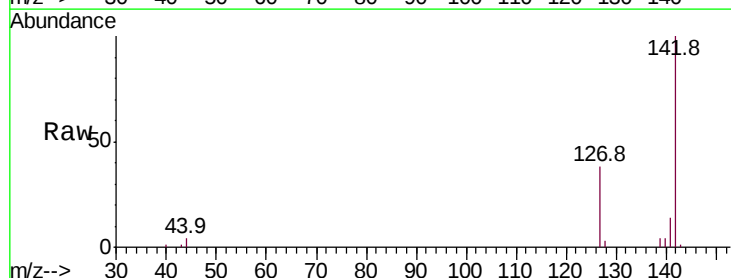
RT: 3.94 min Scan# 673

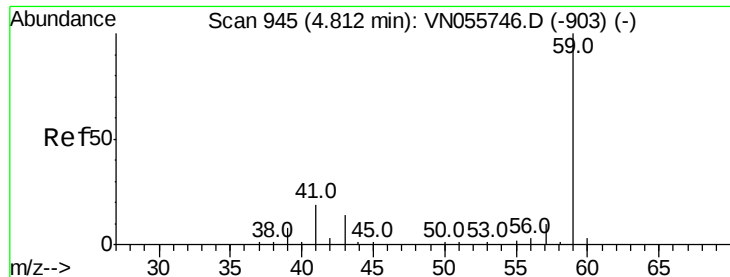
Delta R.T. -0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Tgt Ion:	142	Resp:	71744
Ion Ratio	Lower	Upper	
142	100		
127	37.5	31.0	46.4
141	14.0	11.4	17.0





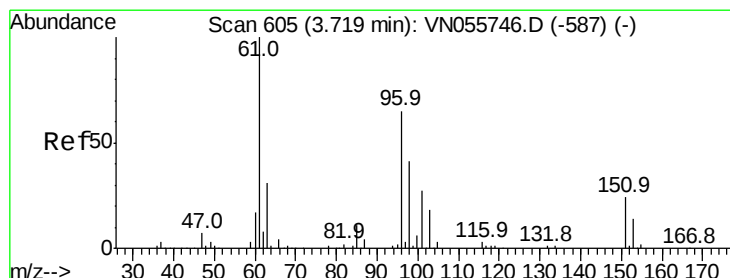
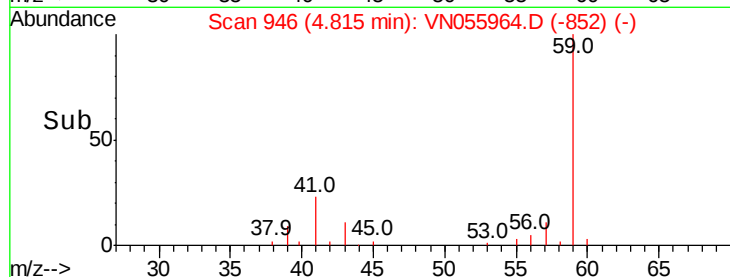
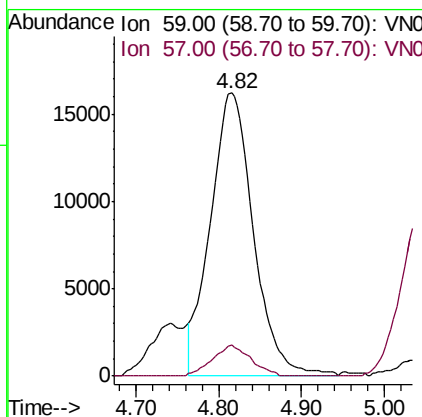
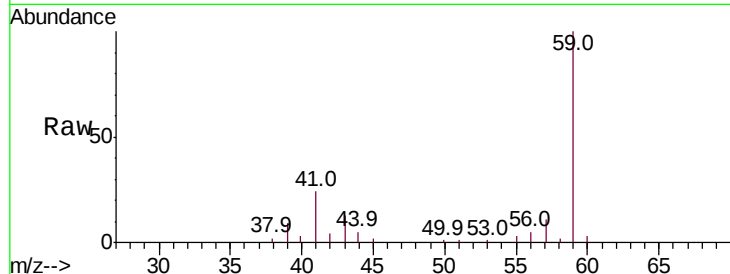
#11
Tert butyl alcohol
Concen: 99.460 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.6

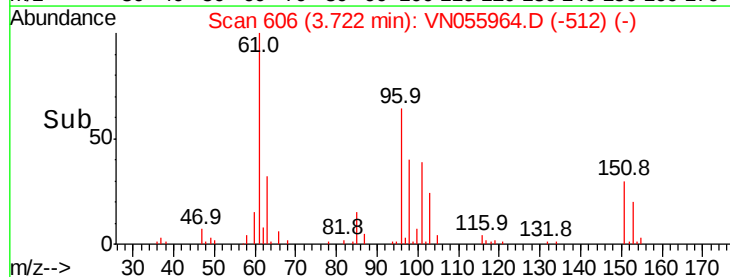
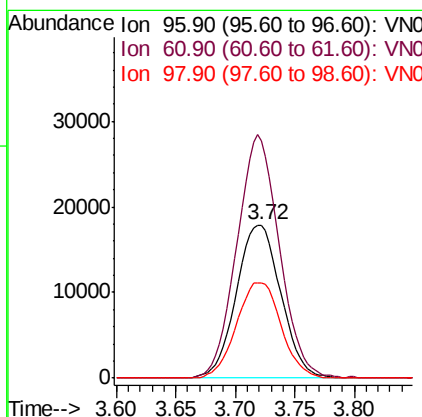
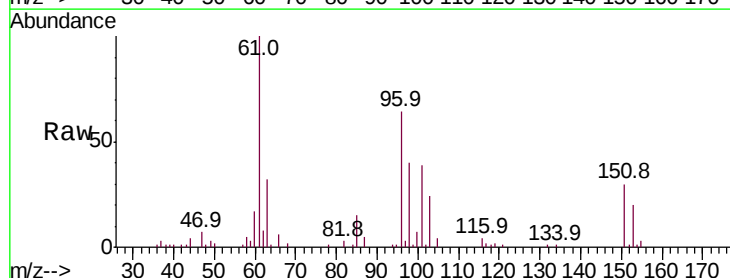
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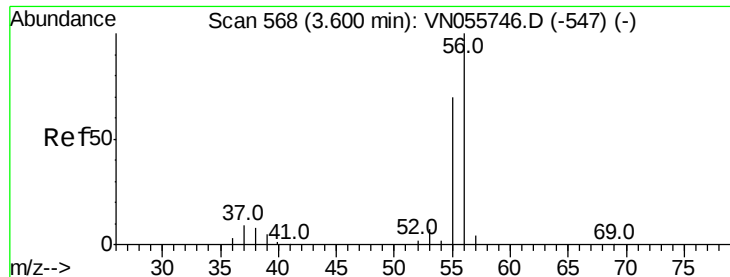
MMDadoda
6/4/2019 11:24:47 AM



#12
1,1-Dichloroethene
Concen: 18.188 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	123.2	184.8
98	62.1	50.4	75.6





#13

Acrolein

Concen: 67.147 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBS01

Tot Ion: 56 Resp: 28400

Ion Ratio Lower Upper

56 100

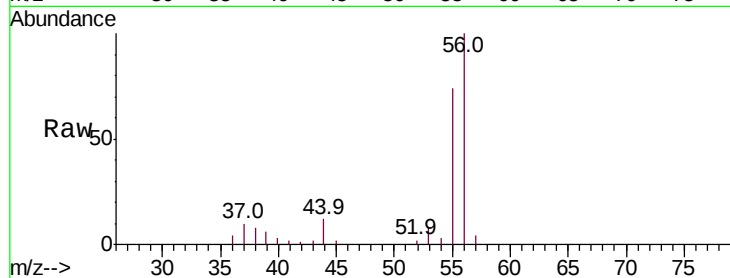
55 73.7 55.4 83.2

Manual Integrations

APPROVED

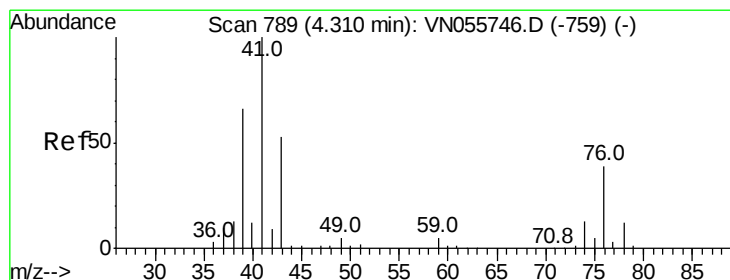
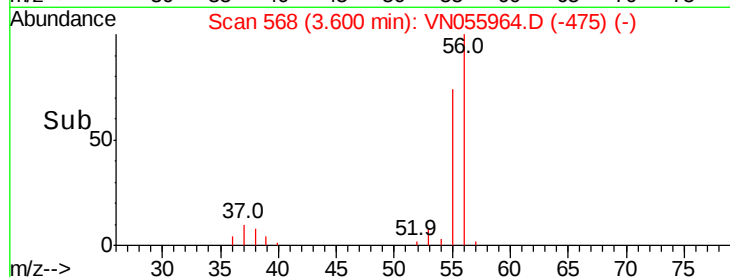
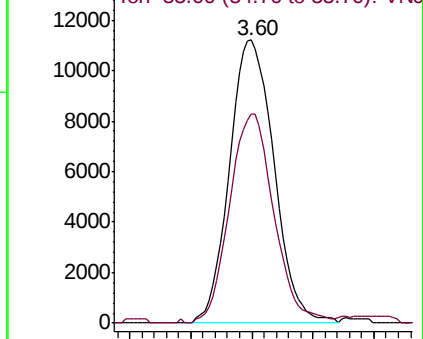
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.593 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

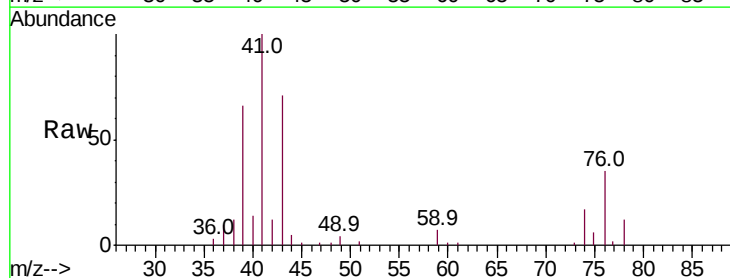
Tgt Ion: 41 Resp: 76785

Ion Ratio Lower Upper

41 100

39 62.6 50.0 75.0

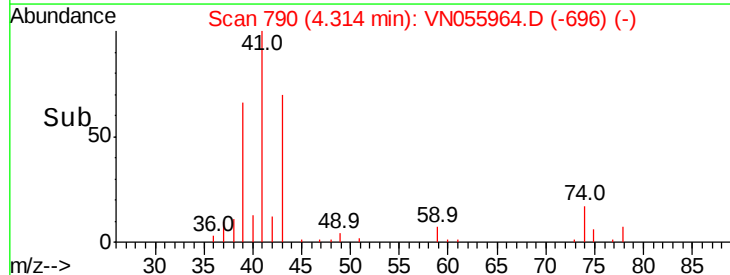
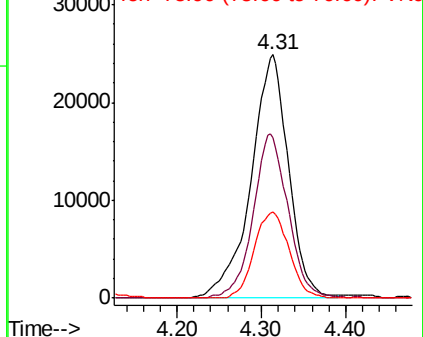
76 32.8 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





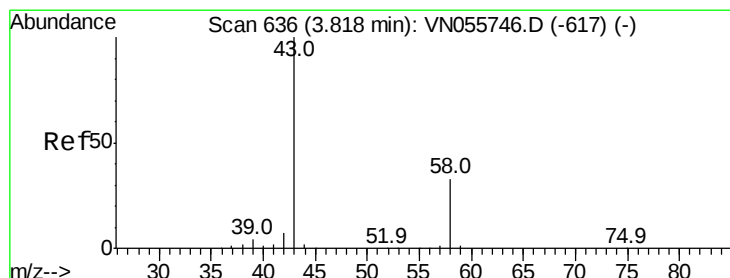
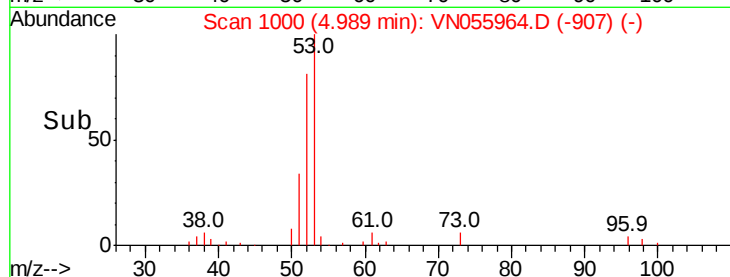
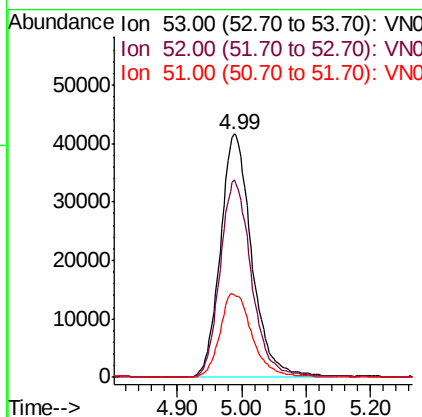
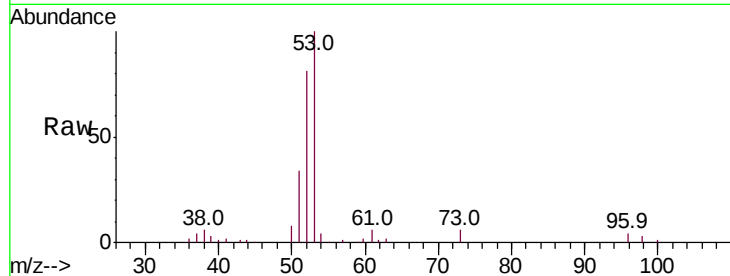
#15
 Acrylonitrile
 Concen: 104.220 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.8	98.8
51	35.1	28.2	42.4

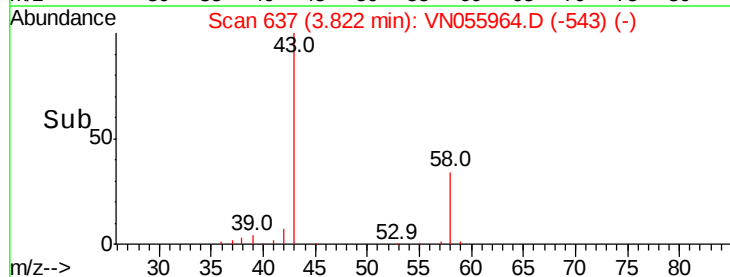
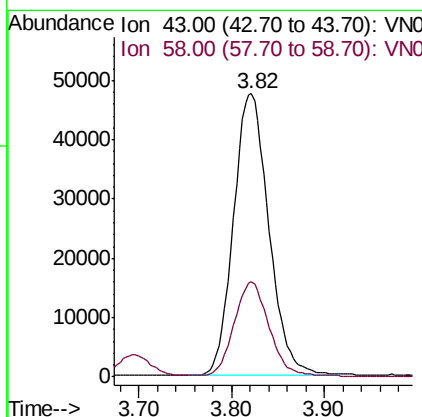
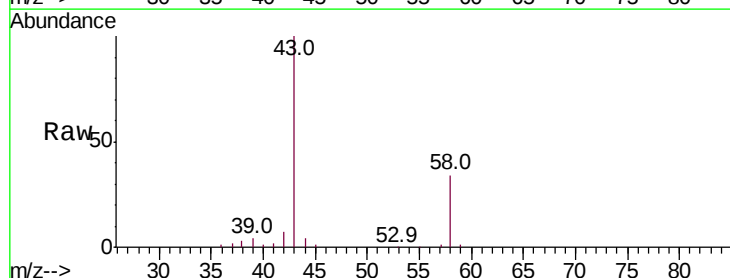
Manual Integrations
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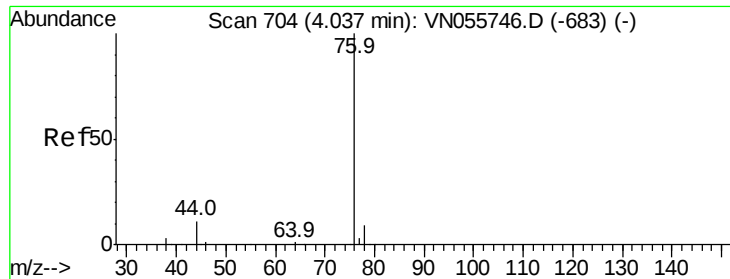
MMDadoda
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#16
 Acetone
 Concen: 92.417 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.6	39.8





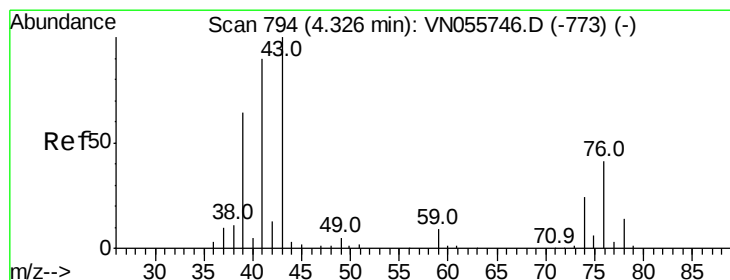
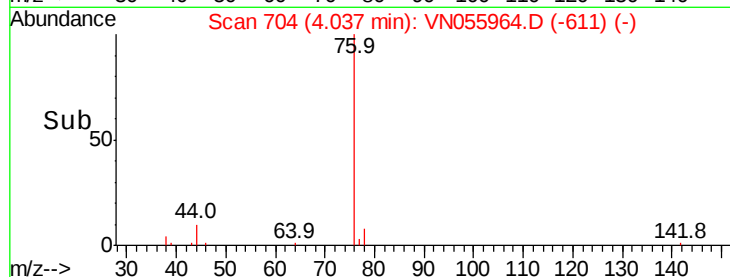
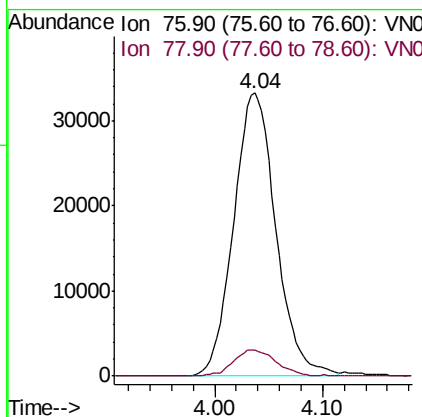
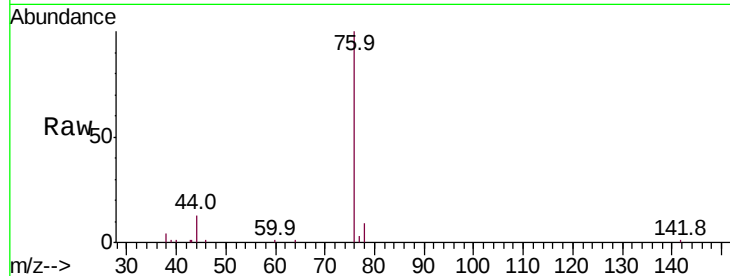
#17
Carbon Disulfide
Concen: 12.519 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion: 76 Resp: 90553
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

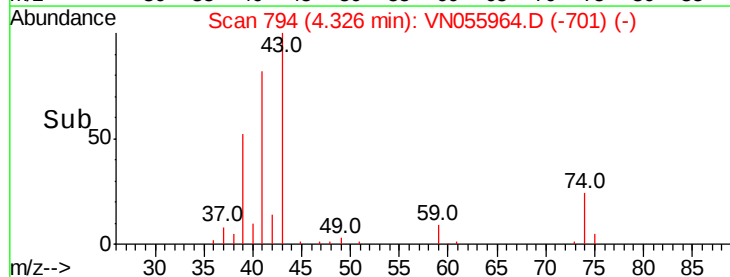
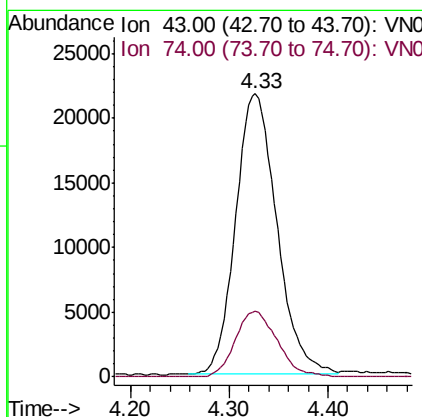
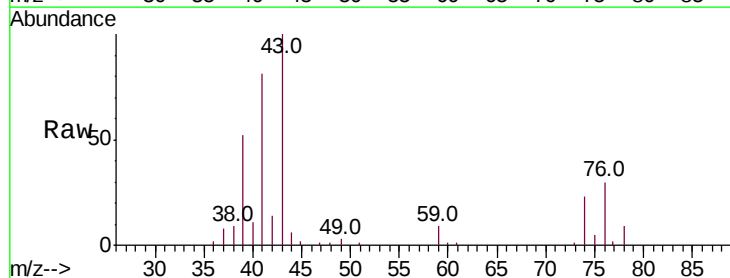
Manual Integrations
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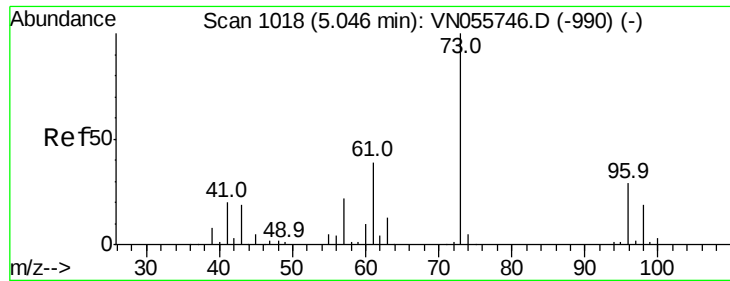
MMDadoda
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#18
Methyl Acetate
Concen: 22.082 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 43 Resp: 62957
Ion Ratio Lower Upper
43 100
74 23.8 19.3 28.9





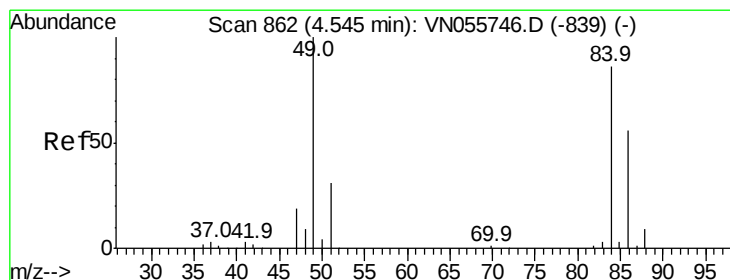
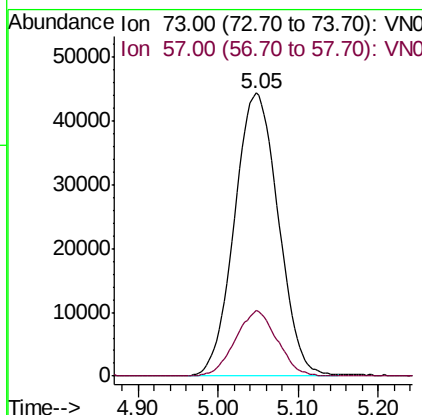
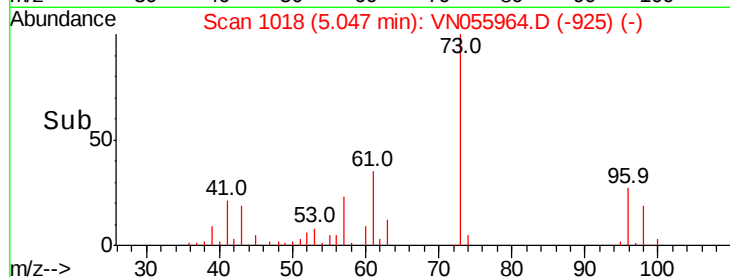
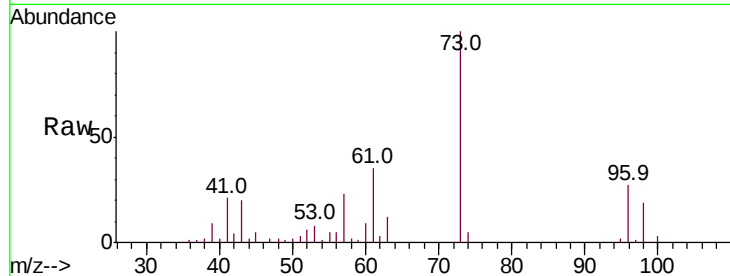
#19
Methvl tert-butvl Ether
Concen: 19.541 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion: 73 Resp: 165924
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8

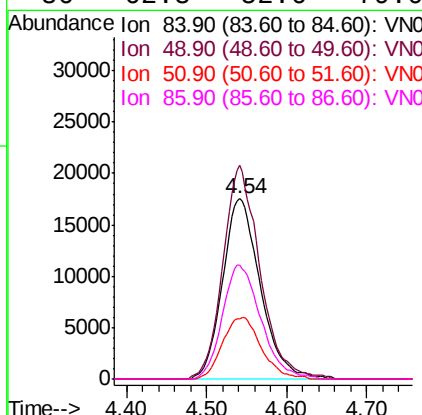
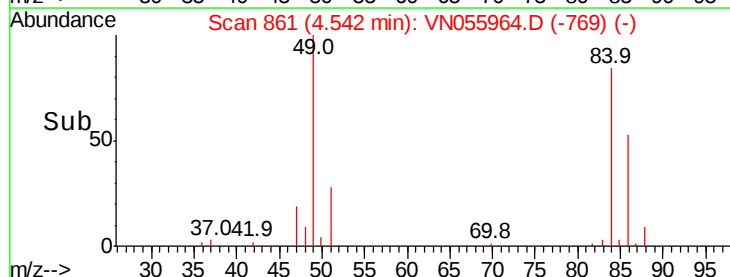
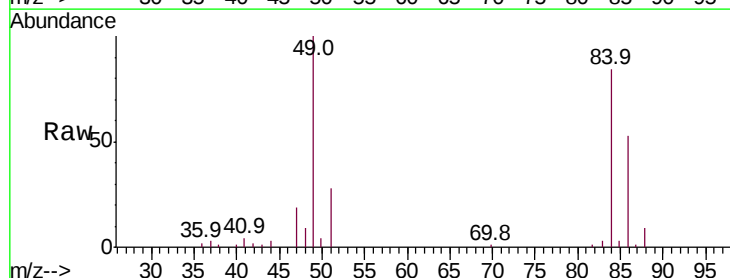
Manual Integrations
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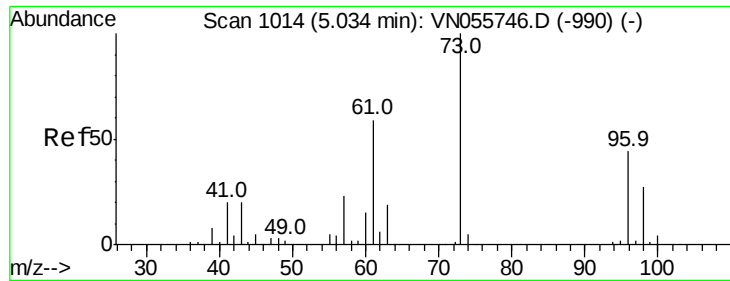
MMDadoda
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#20
Methylene Chloride
Concen: 19.271 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 84 Resp: 56714
Ion Ratio Lower Upper
84 100
49 118.4 93.5 140.3
51 33.7 28.6 43.0
86 62.8 52.6 79.0





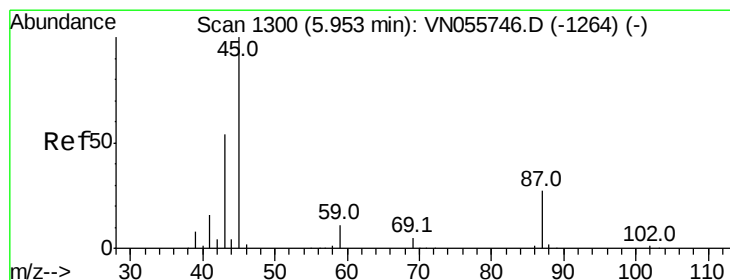
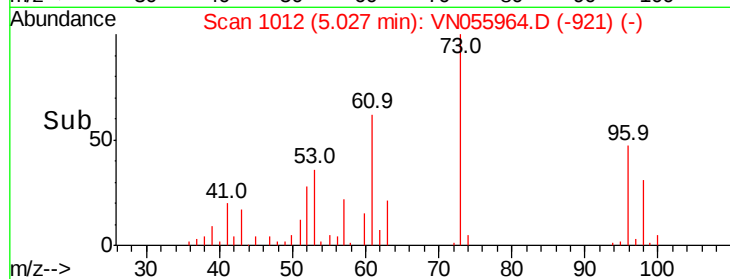
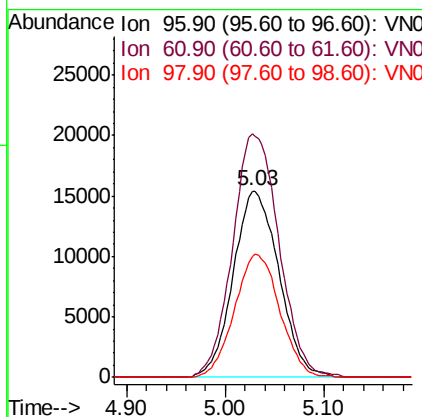
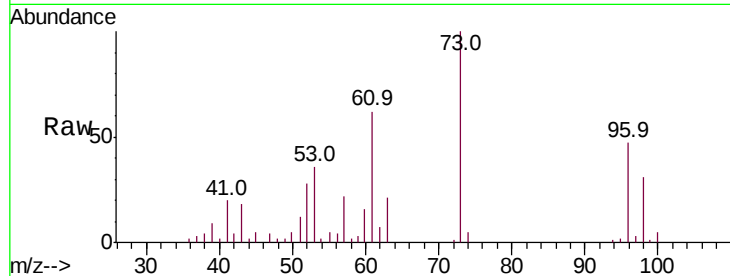
#21
trans-1,2-Dichloroethene
Concen: 18.080 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	107.8	161.8
98	64.5	49.8	74.8

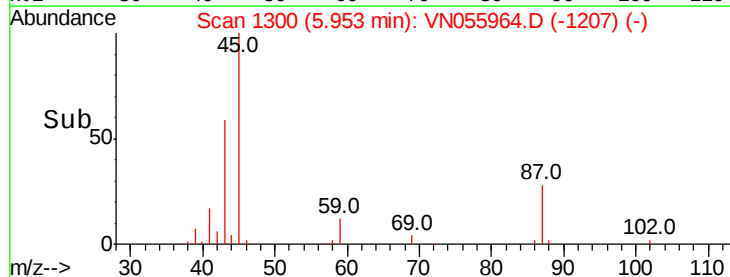
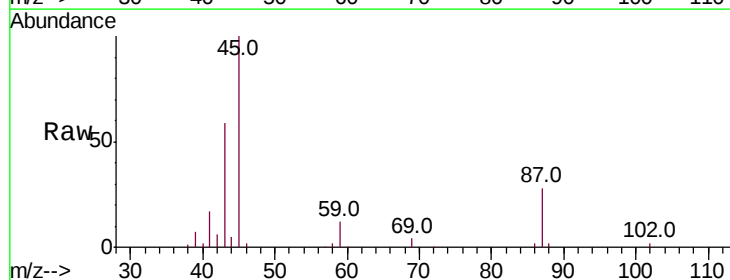
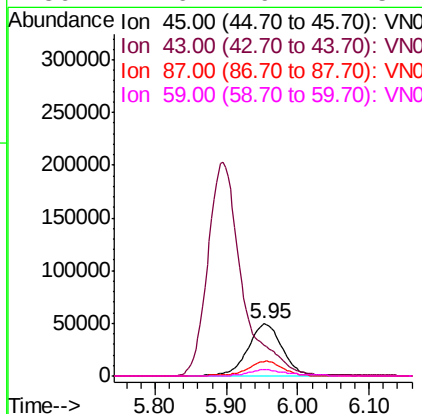
Manual Integrations
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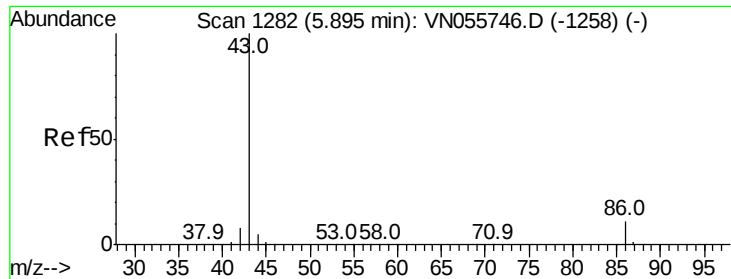
MMDadoda
6/4/2019 11:24:47 AM



#22
Diisopropyl ether
Concen: 19.660 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.8	45.0	67.6
87	27.5	22.2	33.4
59	11.6	9.1	13.7





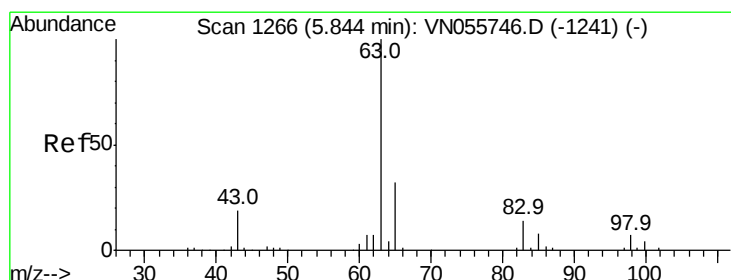
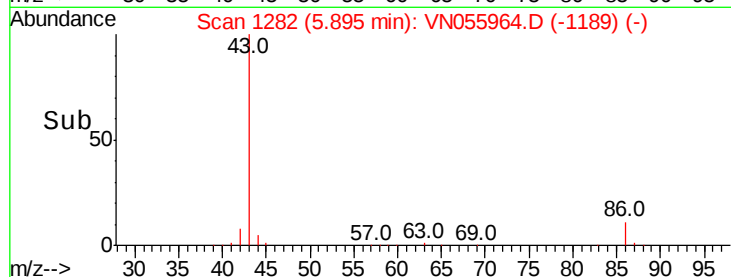
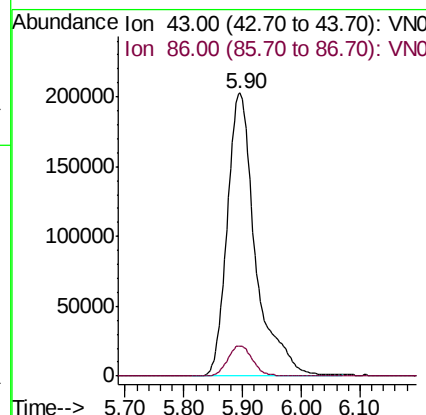
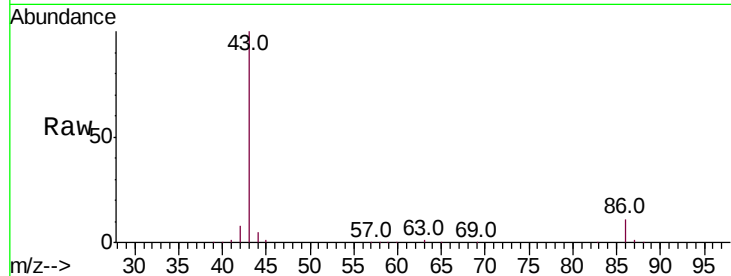
#23
 Vinyl Acetate
 Concen: 93.258 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

Tot Ion: 43 Resp: 678739
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0

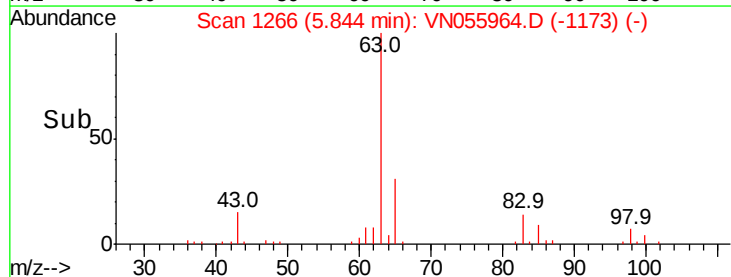
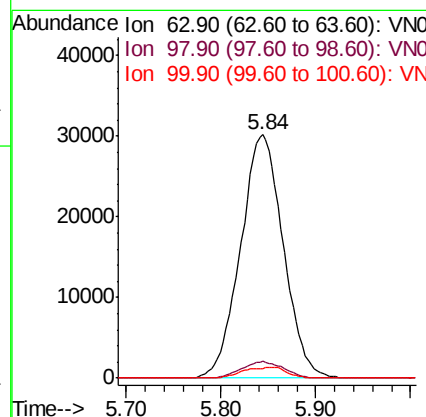
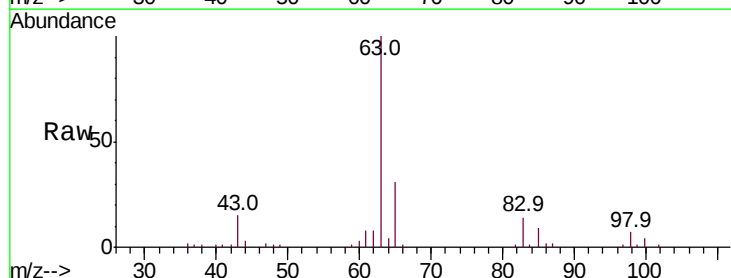
Manual Integrations
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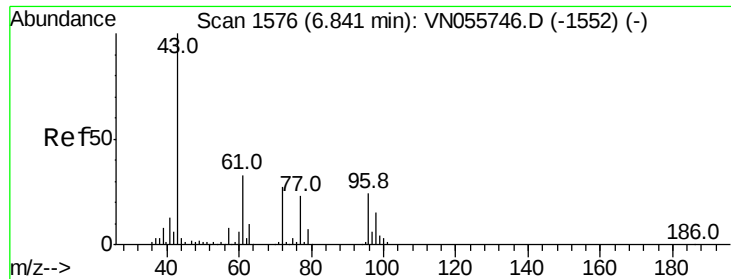
MMDadoda
 6/4/2019 11:24:47 AM



#24
 1,1-Dichloroethane
 Concen: 19.119 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Tgt Ion: 63 Resp: 94493
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.1
 100 4.0 2.2 6.6





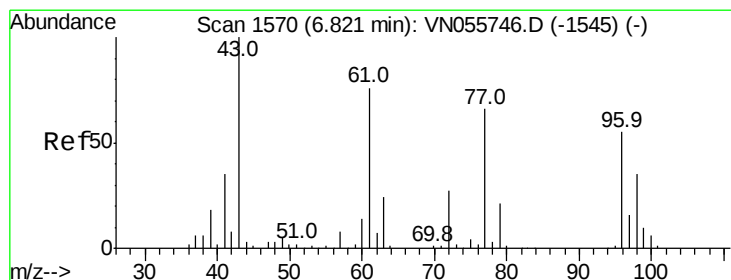
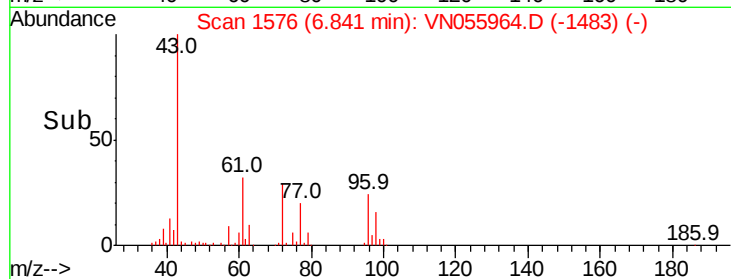
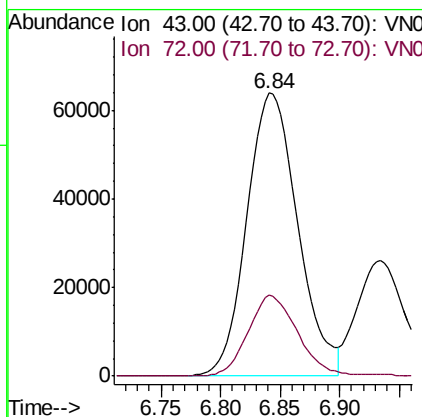
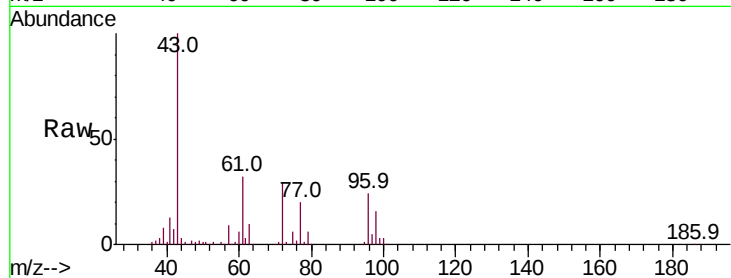
#25
2-Butanone
Concen: 99.405 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion: 43 Resp: 188659
Ion Ratio Lower Upper
43 100
72 28.6 21.9 32.9

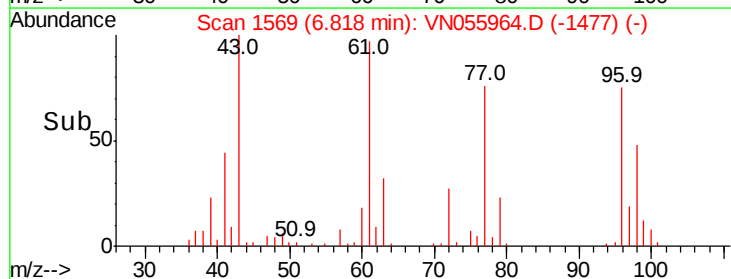
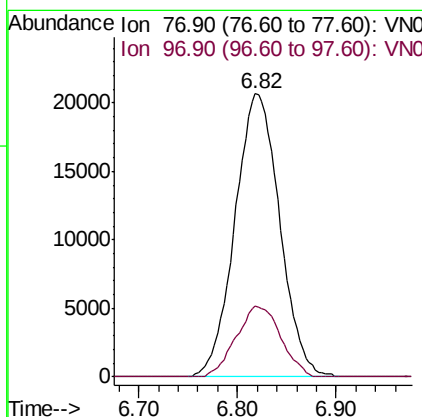
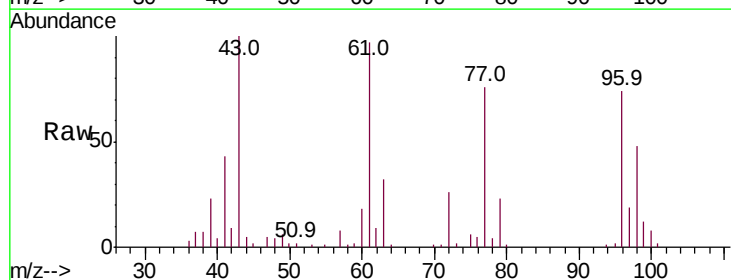
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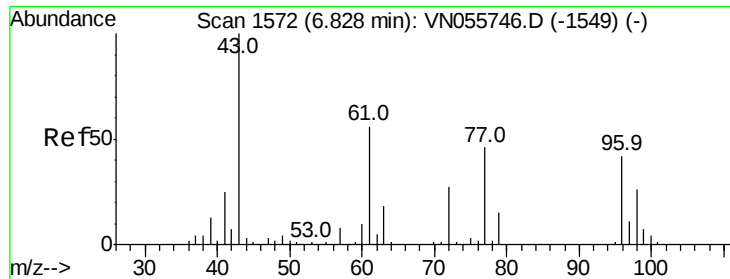
MMDadoda
6/4/2019 11:24:47 AM



#26
2,2-Dichloropropane
Concen: 15.187 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 77 Resp: 64963
Ion Ratio Lower Upper
77 100
97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.420 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

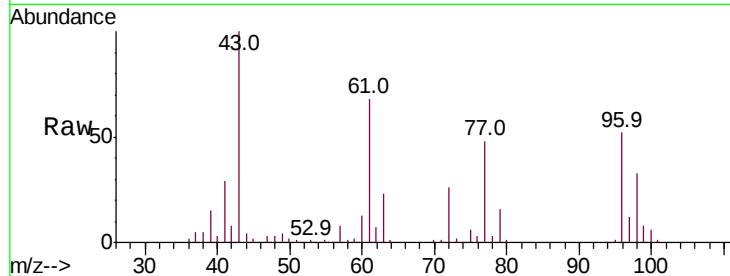
ClientSampleId :

VN0603MBS01

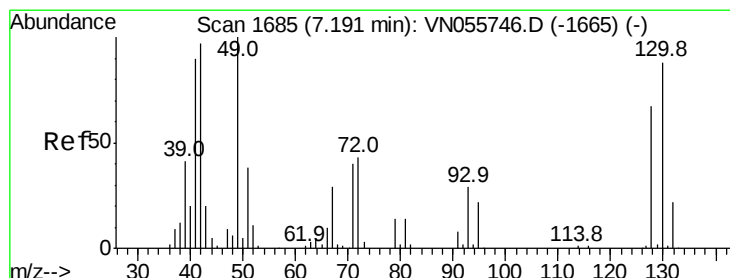
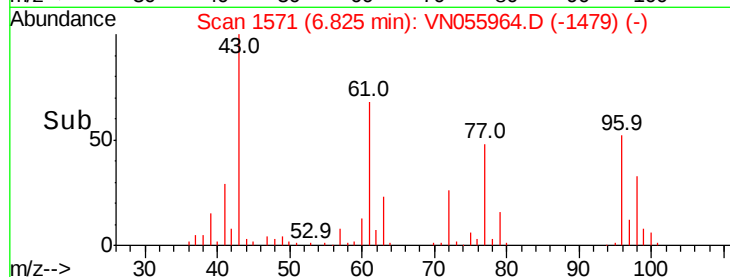
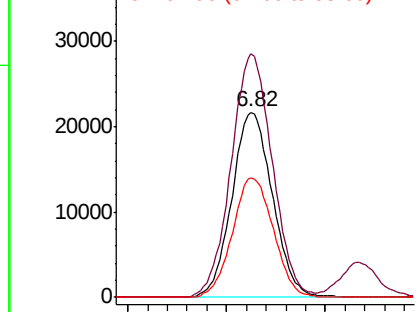
Tot Ion:	96	Resp:	61970
Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	275.8
98	65.0	0.0	128.4

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.338 ug/l

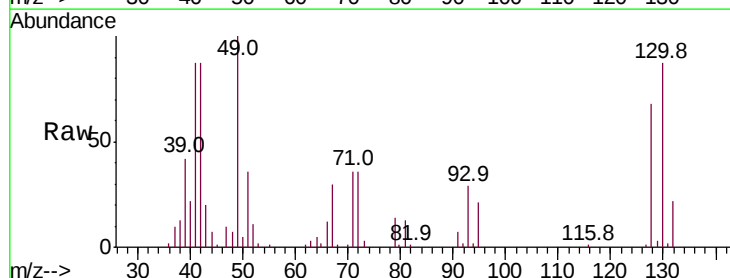
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

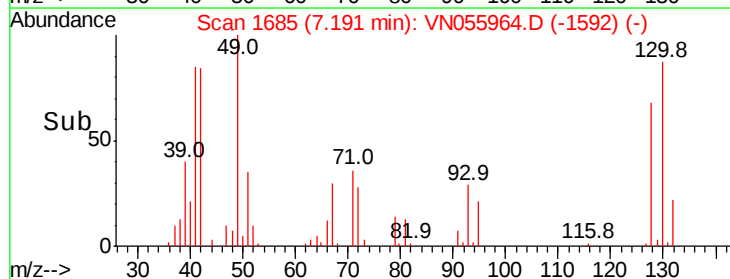
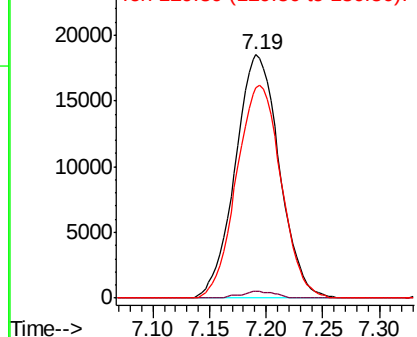
Lab File: VN055964.D

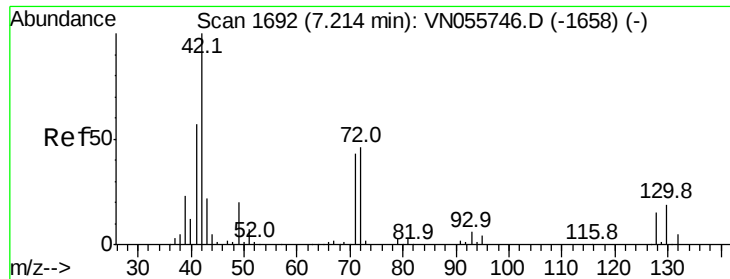
Acq: 3 Jun 2019 16:20

Tgt Ion:	49	Resp:	50211
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	88.2	71.2	106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





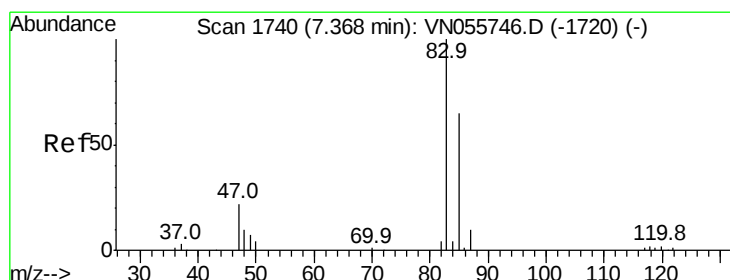
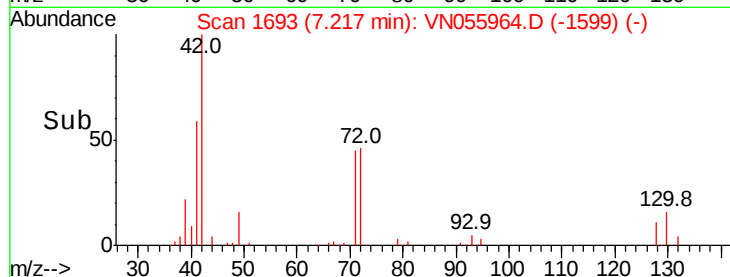
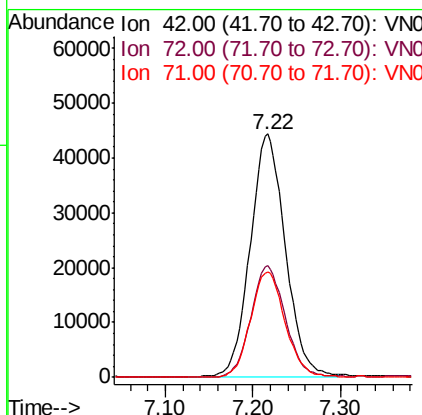
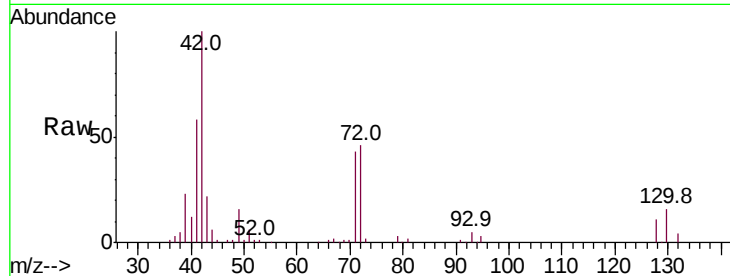
#29
Tetrahydrofuran
Concen: 103.217 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.9	53.9
71	42.6	34.0	51.0

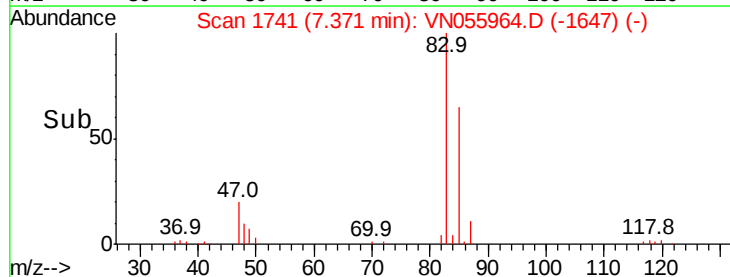
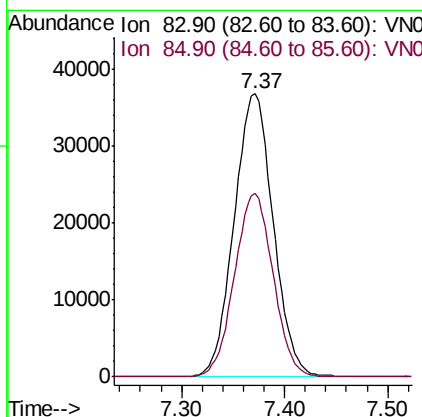
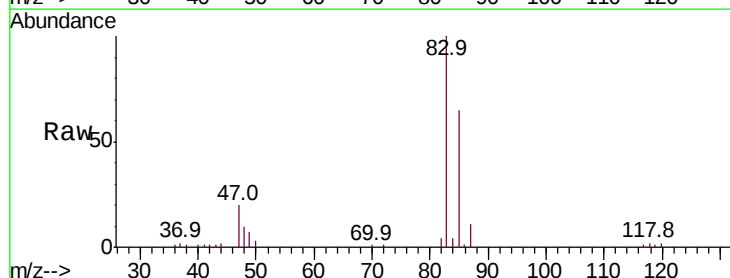
Manual Integrations
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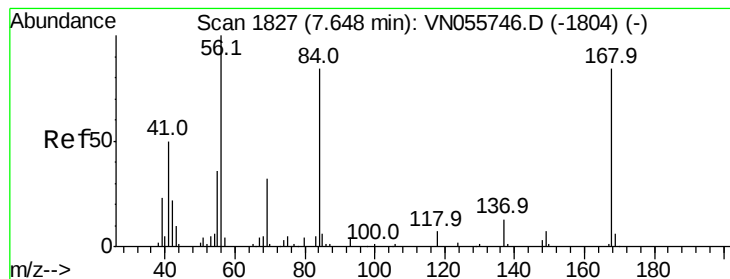
MMDadoda
6/4/2019 11:24:47 AM



#30
Chloroform
Concen: 19.683 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





#31

Cyclohexane

Concen: 17.954 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBS01

Tot Ion: 56 Resp: 83312

Ion Ratio Lower Upper

56 100

69 37.3 25.6 38.4

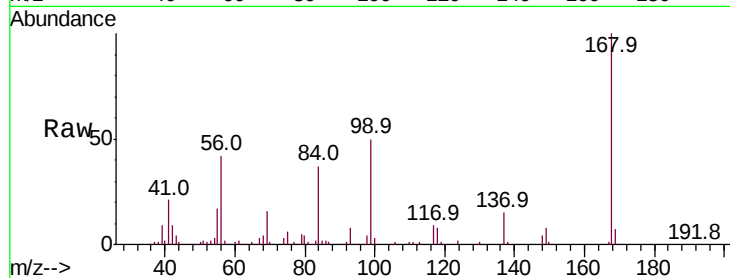
84 87.4 67.4 101.0

Manual Integrations

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MMDadoda

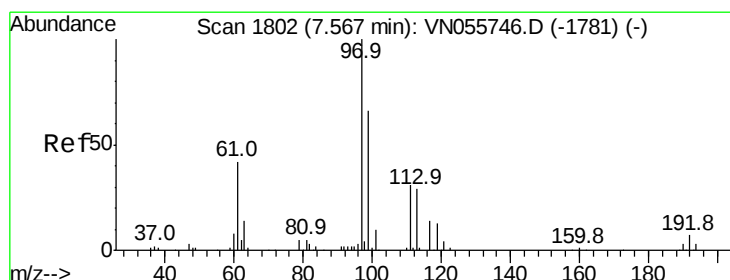
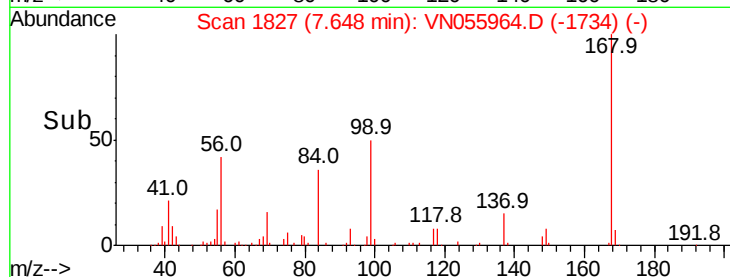
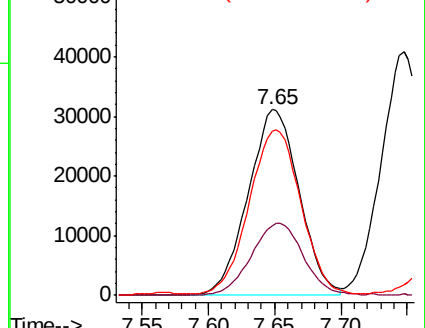
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Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 17.868 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

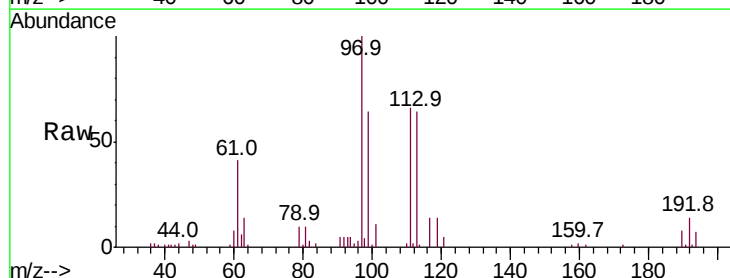
Tgt Ion: 97 Resp: 78592

Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

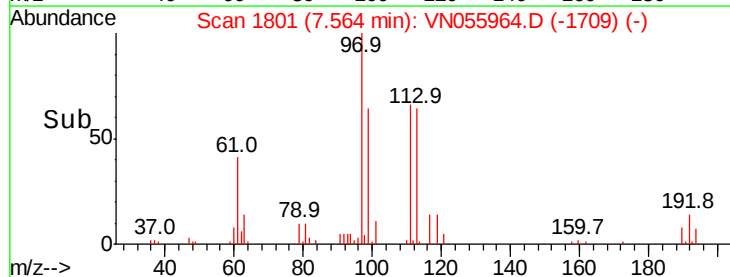
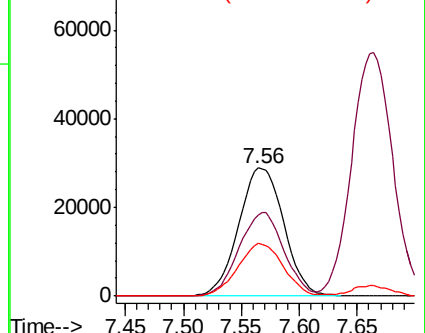
61 41.1 32.9 49.3

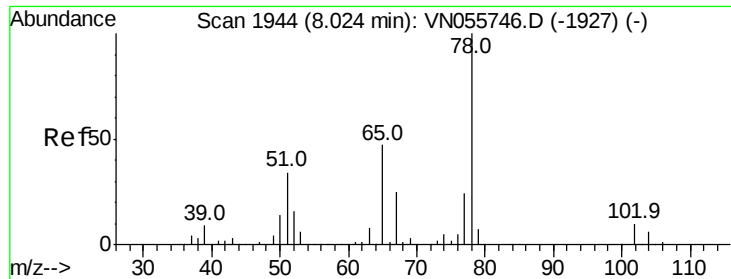


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





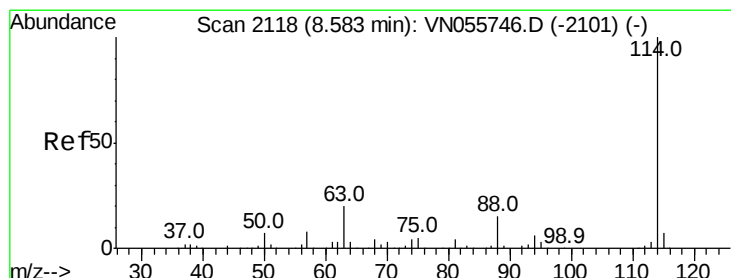
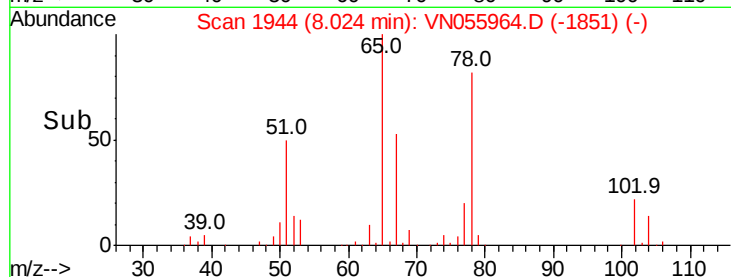
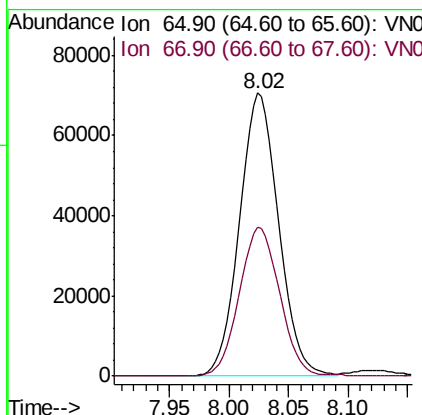
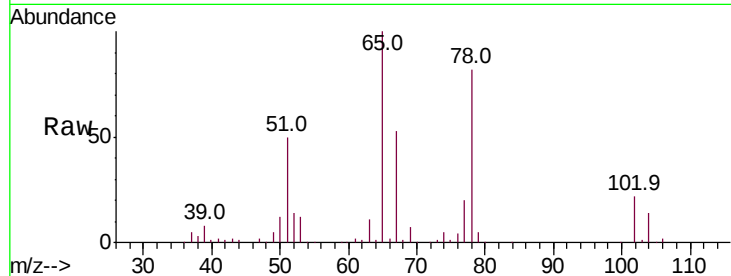
#33
 1,2-Dichloroethane-d4
 Concen: 52.041 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160885		
67	54.5	0.0	109.2	

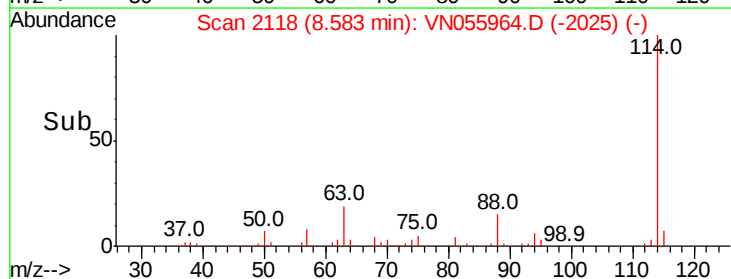
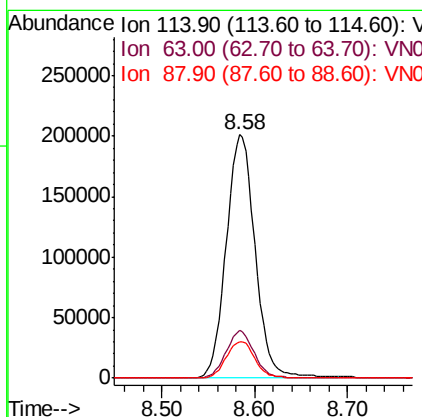
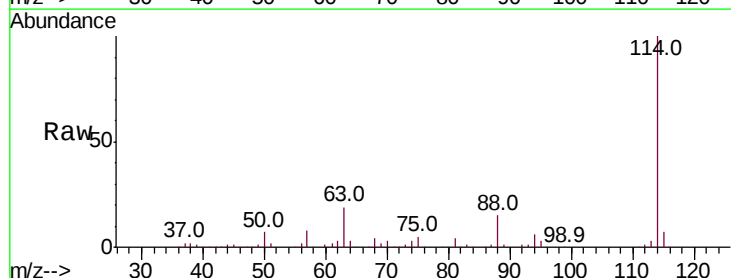
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	435635		
63	19.4	0.0	39.2	
88	15.0	0.0	31.0	





#35

Dibromofluoromethane

Concen: 51.220 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBS01

Tot Ion:113 Resp: 141072

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

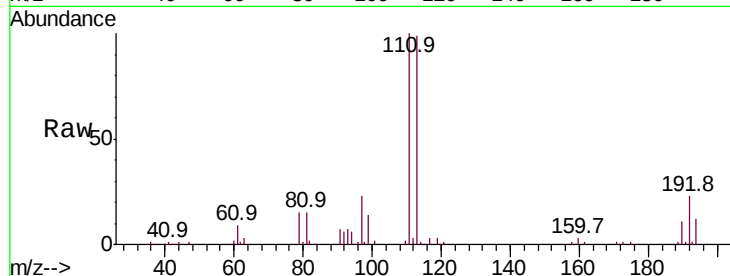
192 23.5 19.5 29.3

Manual Integrations

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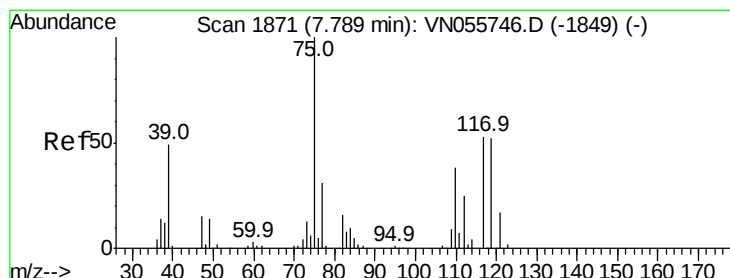
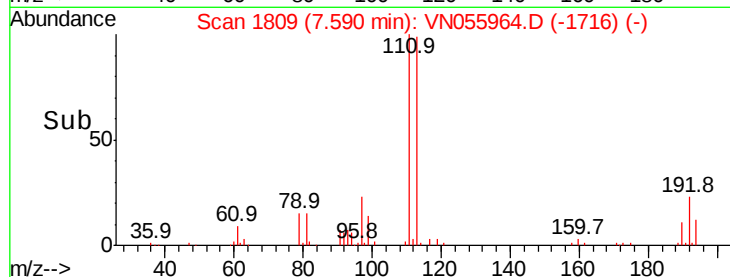
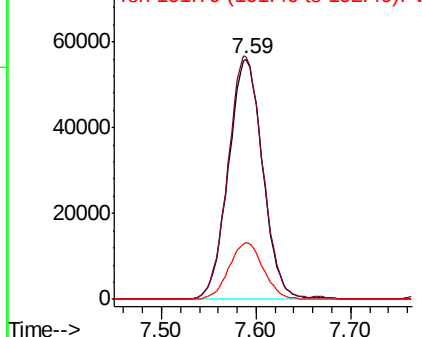
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.001 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

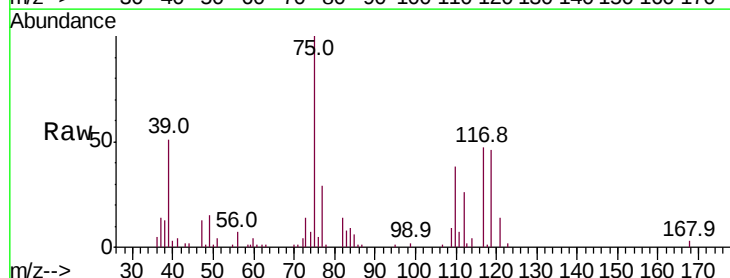
Tgt Ion: 75 Resp: 68340

Ion Ratio Lower Upper

75 100

110 37.5 19.0 57.0

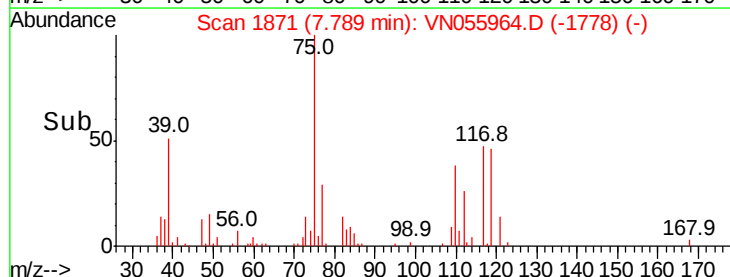
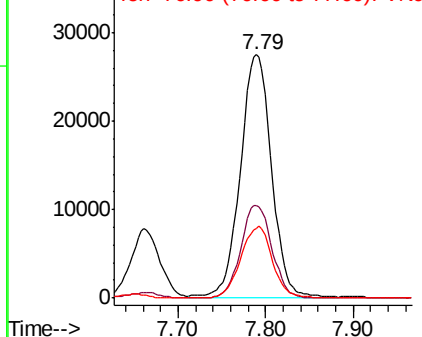
77 29.7 25.1 37.7

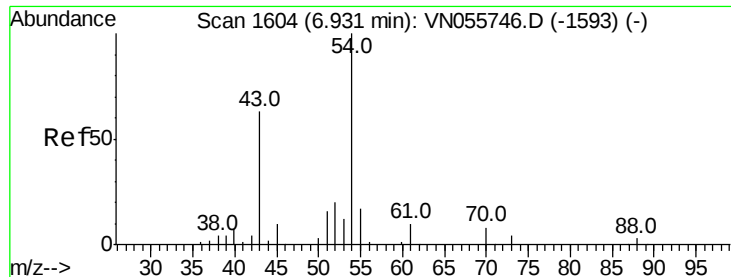


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





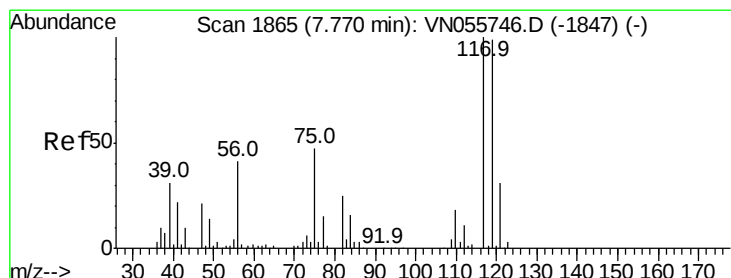
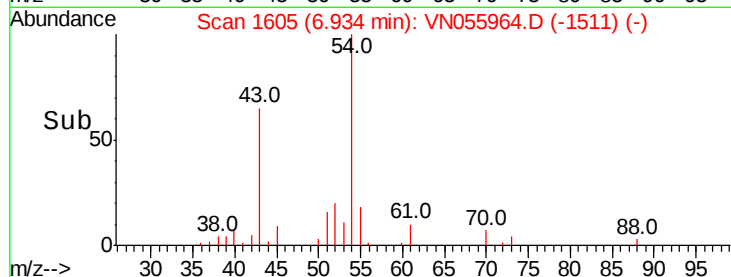
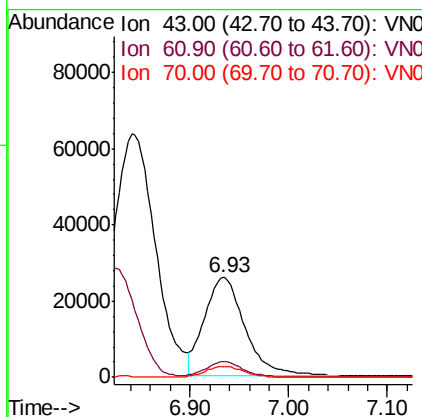
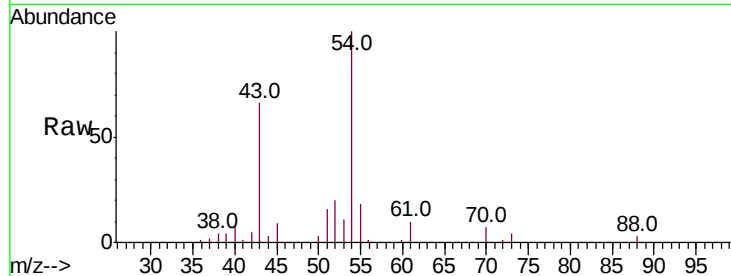
#37
Ethyl Acetate
Concen: 20.168 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.2	18.2
70	10.6	8.9	13.3

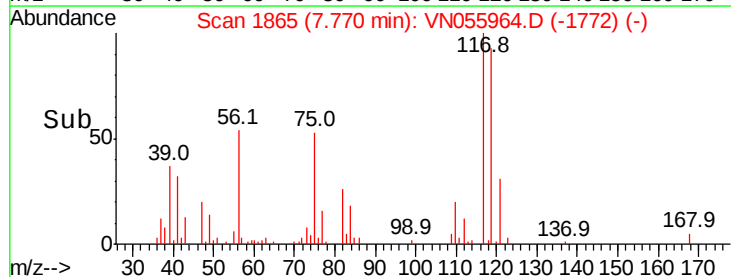
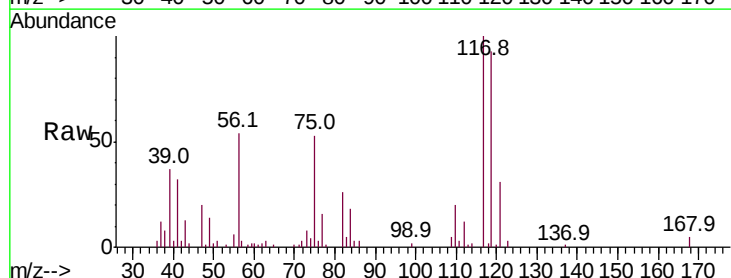
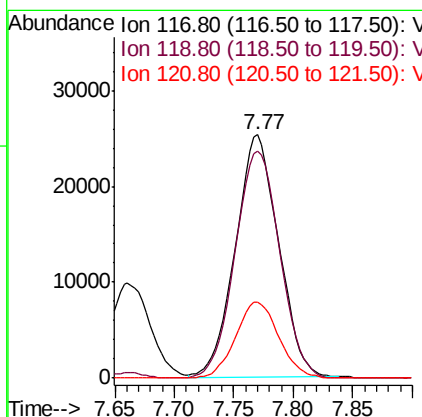
Manual Integrations
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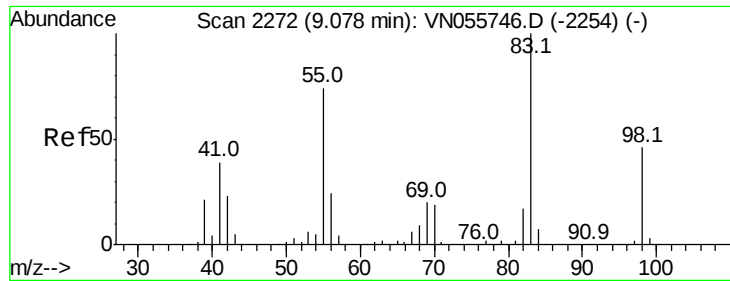
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#38
Carbon Tetrachloride
Concen: 16.038 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	79.0	118.6
121	31.4	24.7	37.1





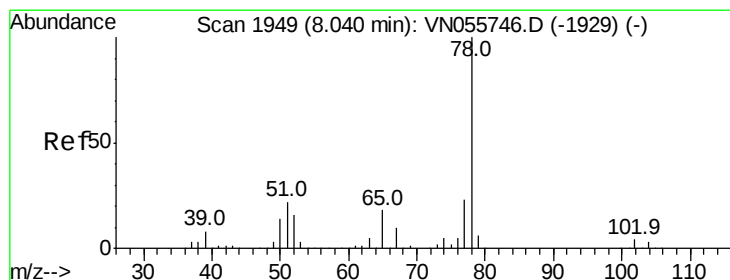
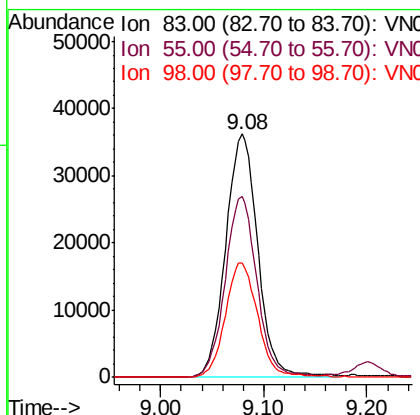
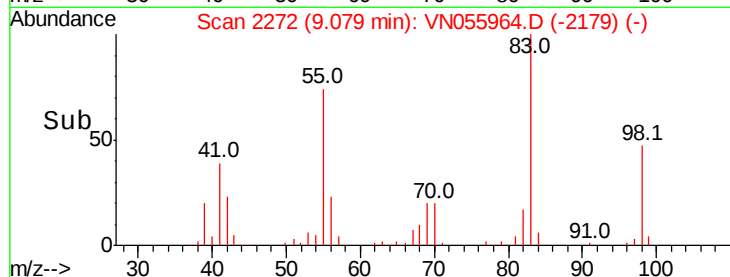
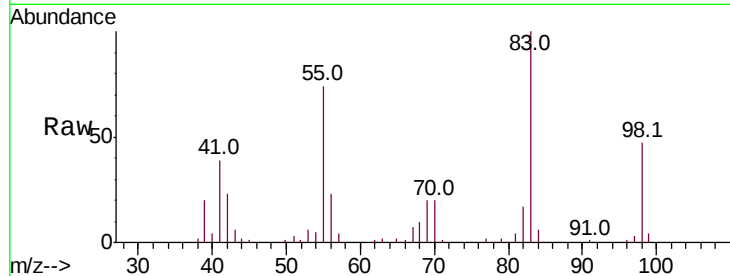
#39
Methvlcvclohexane
Concen: 16.729 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	83	Resp	78646
Ion Ratio	100	Lower	Upper
83	100		
55	74.2	59.3	88.9
98	46.8	36.6	54.8

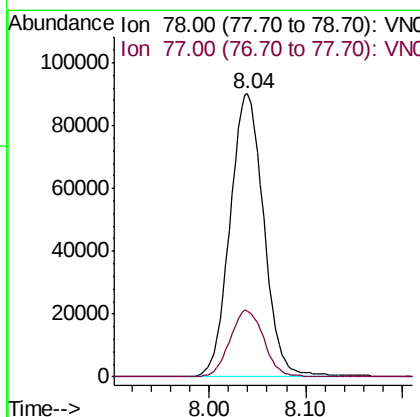
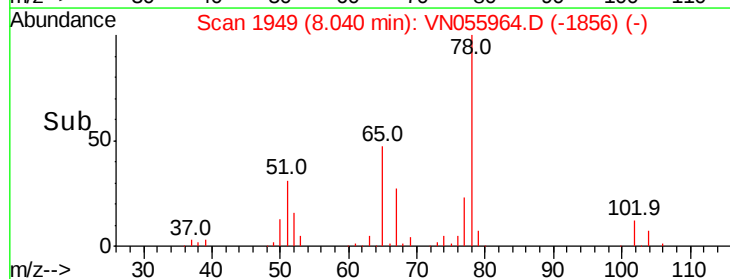
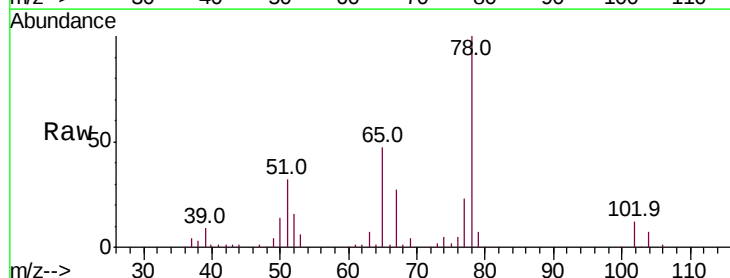
Manual Integrations
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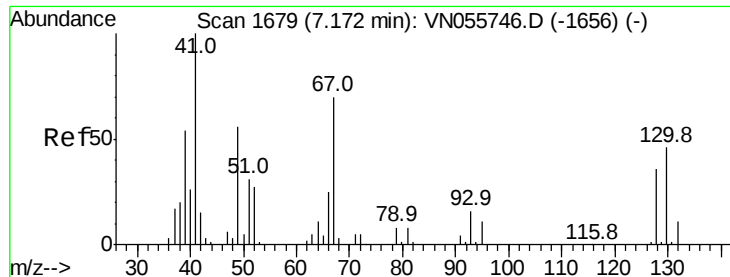
MMDadoda
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#40
Benzene
Concen: 19.105 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	78	Resp	218593
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	18.8	28.2





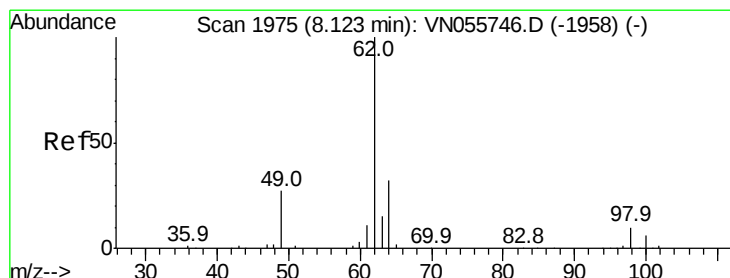
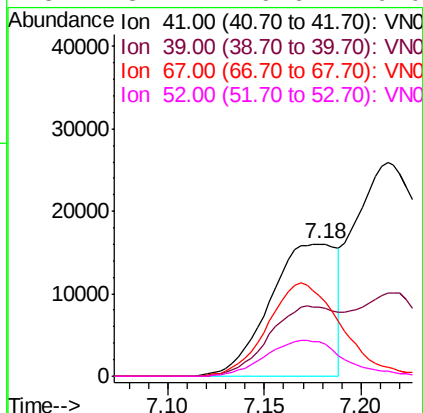
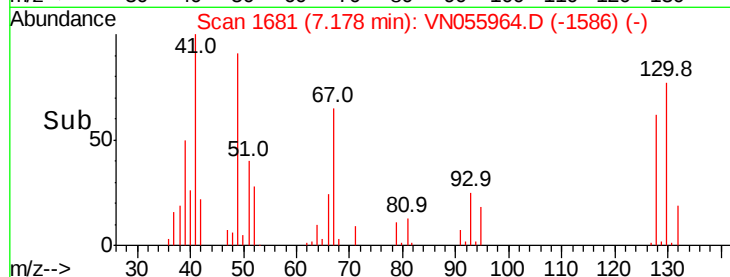
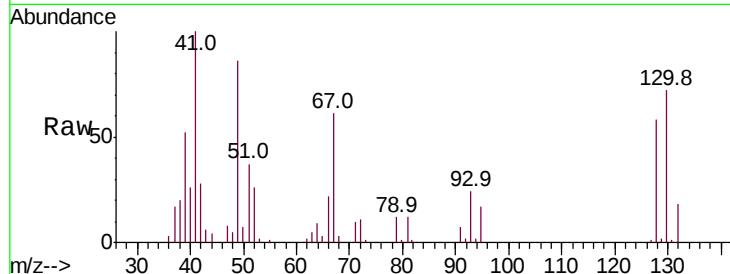
#41
Methacrylonitrile
Concen: 20.798 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	45.6	68.4
67	78.4	67.7	101.5
52	32.1	26.6	40.0

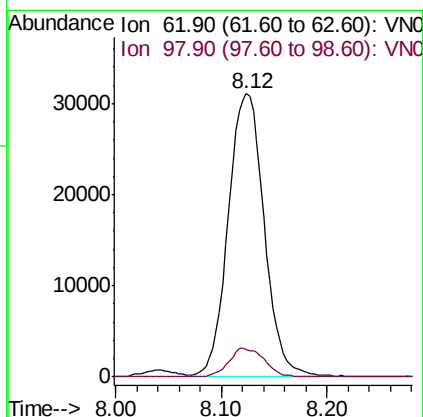
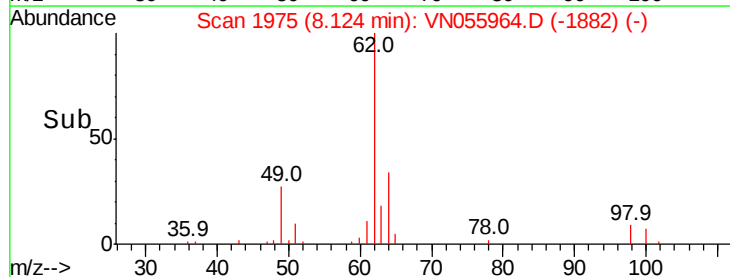
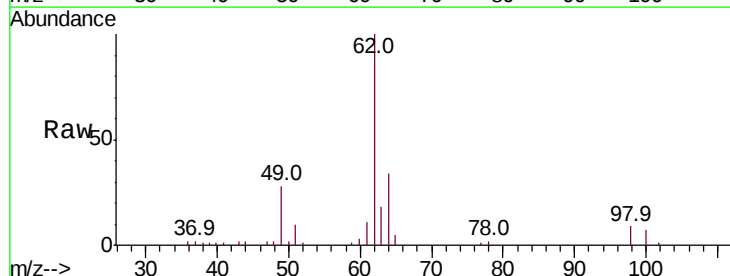
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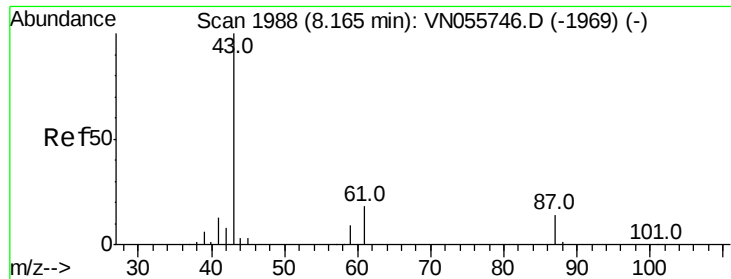
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.703 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 18.924 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

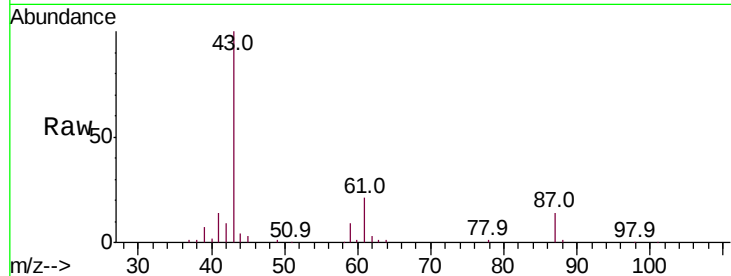
ClientSampleId :

VN0603MBS01

Tot Ion:	43	Resp:	116666
Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.2	33.4
87	14.0	11.4	17.2

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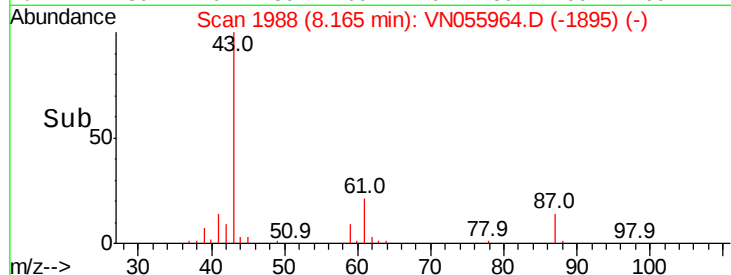


Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

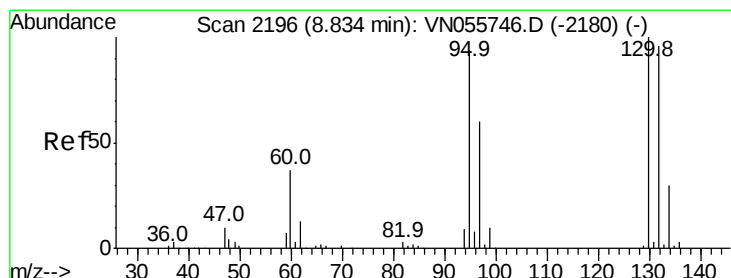
Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 19.262 ug/l

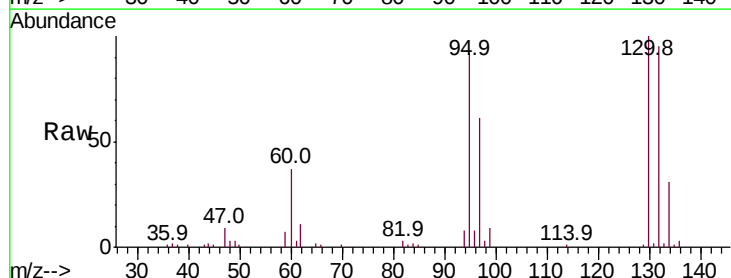
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

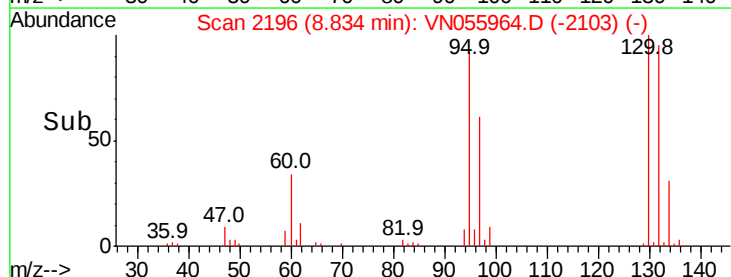
Tgt Ion:	130	Resp:	61440
Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	188.0



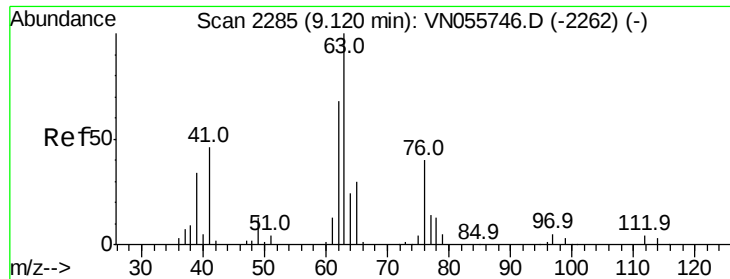
Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

Time-->



Time-->



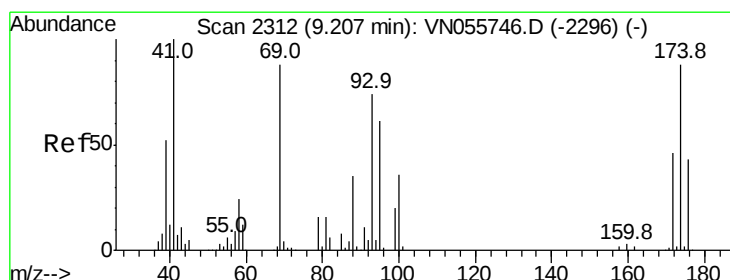
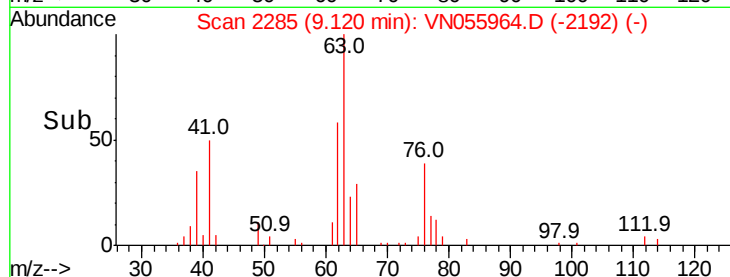
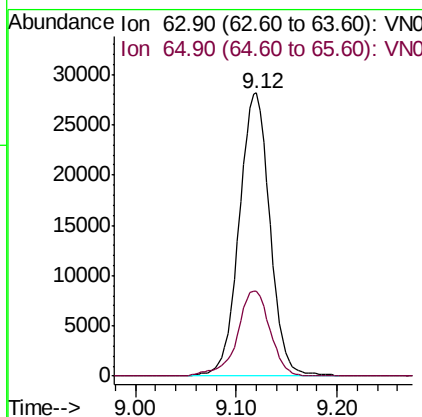
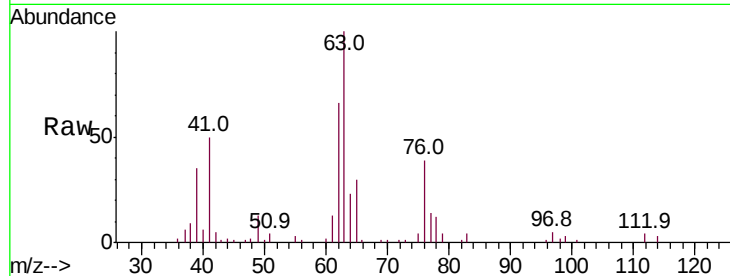
#45
 1,2-Dichloropropane
 Concen: 19.894 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603MBS01

Tot Ion: 63 Resp: 59304
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.6 36.8

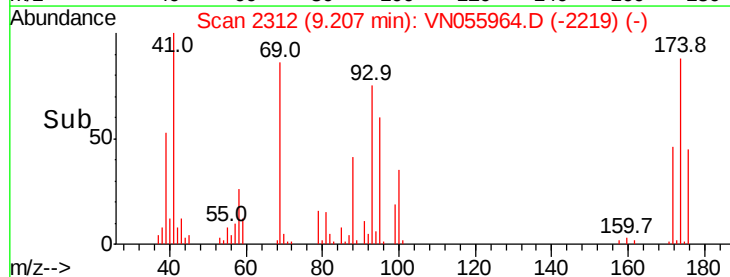
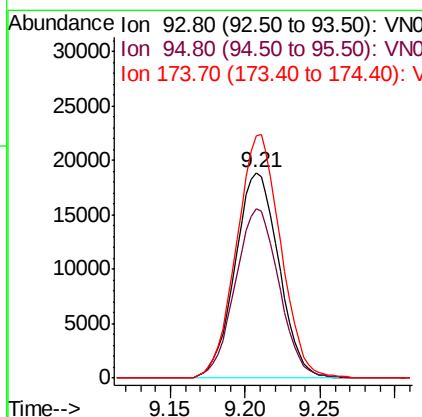
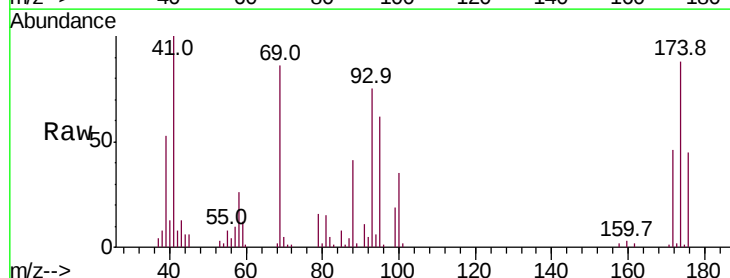
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#46
 Dibromomethane
 Concen: 19.622 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Tgt Ion: 93 Resp: 38360
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 119.8 96.4 144.6





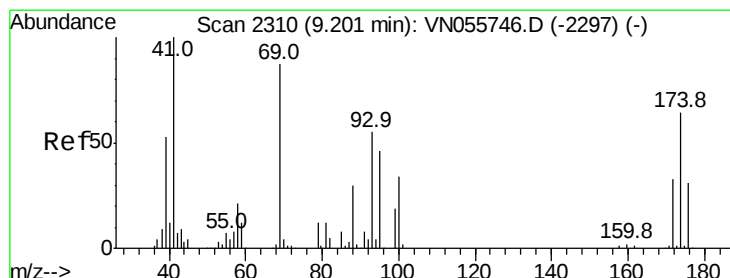
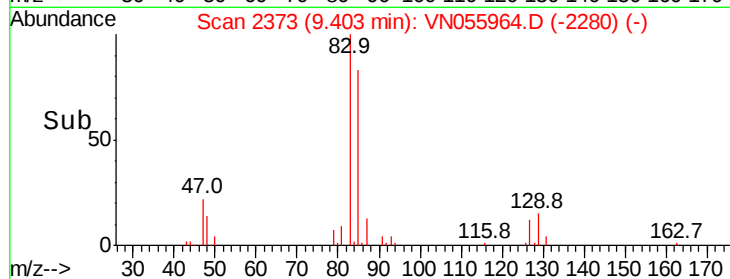
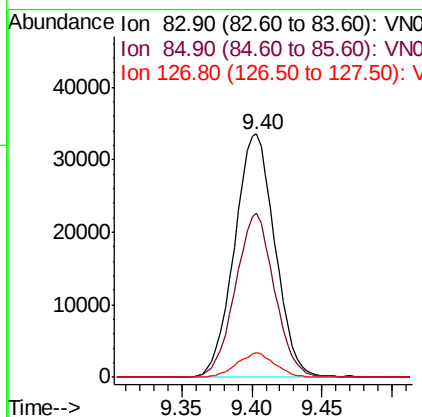
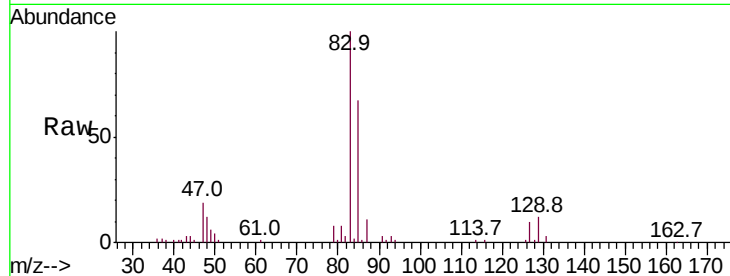
#47
Bromodichloromethane
Concen: 16.800 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	83	Resp	67347
Ion Ratio	100	Lower	Upper
83	100		
85	67.3	52.2	78.2
127	10.0	7.4	11.0

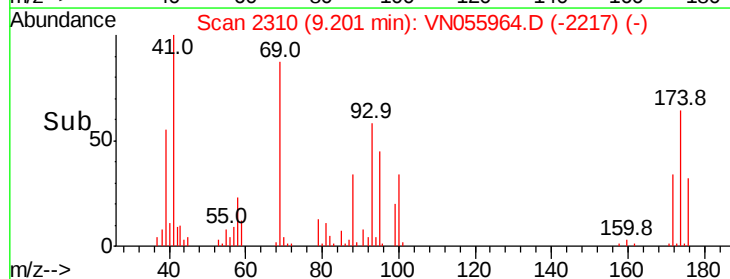
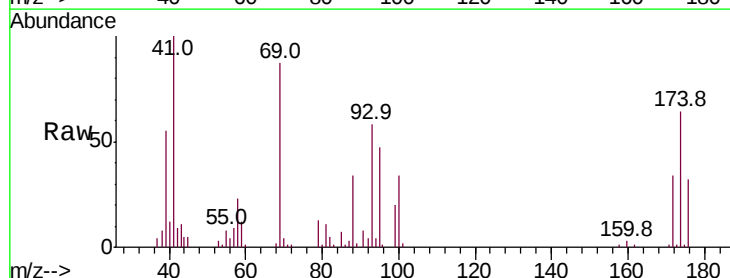
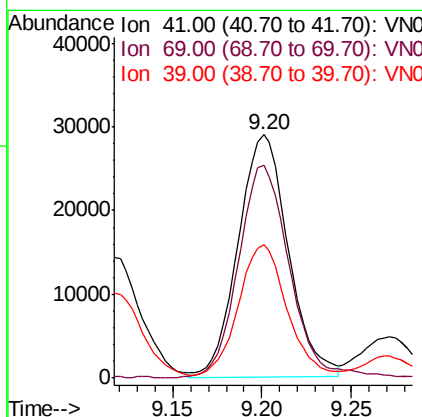
Manual Integrations
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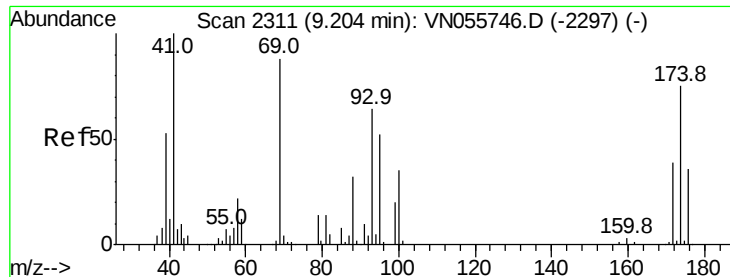
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#48
Methyl methacrylate
Concen: 19.949 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	41	Resp	56679
Ion Ratio	100	Lower	Upper
41	100		
69	90.0	71.0	106.6
39	53.0	44.2	66.2





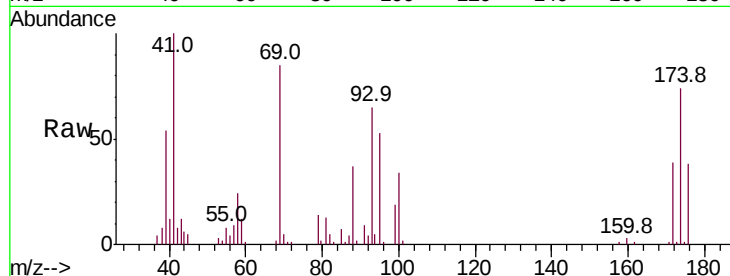
#49
 1,4-Dioxane
 Concen: 437.017 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

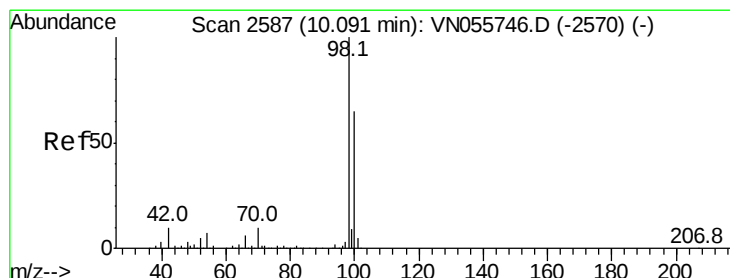
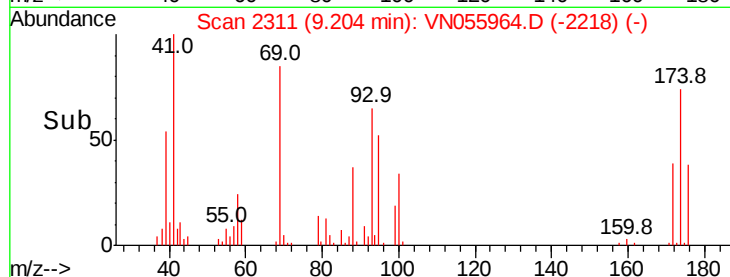
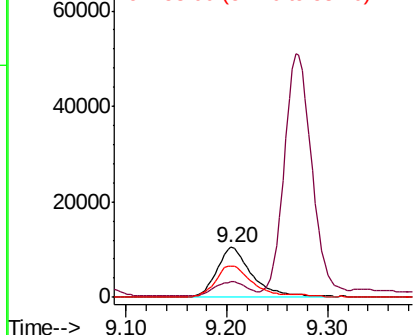
Tot Ion	88	Resp	25803
Ion	Ratio	Lower	Upper
88	100		
43	26.5	20.5	30.7
58	63.0	55.8	83.6

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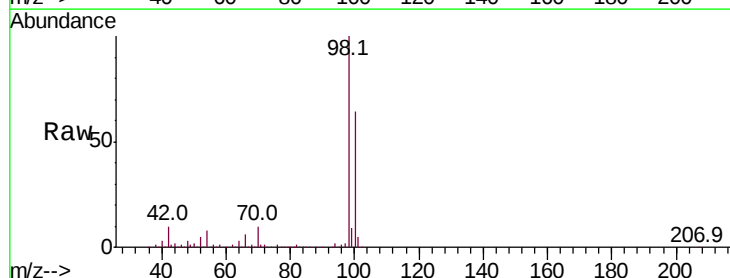


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

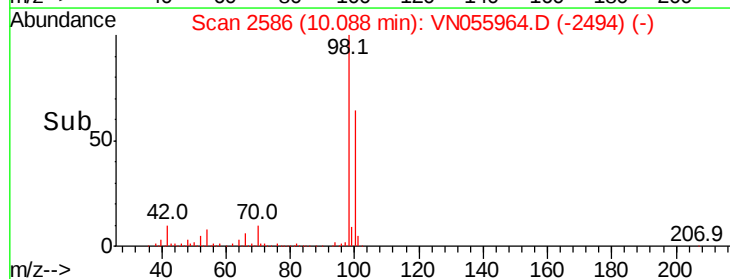
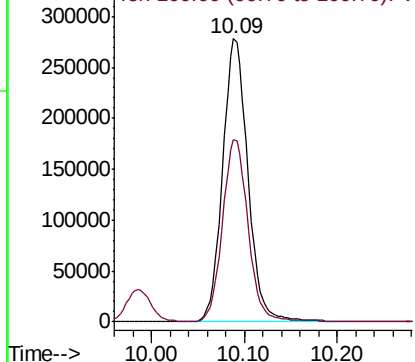


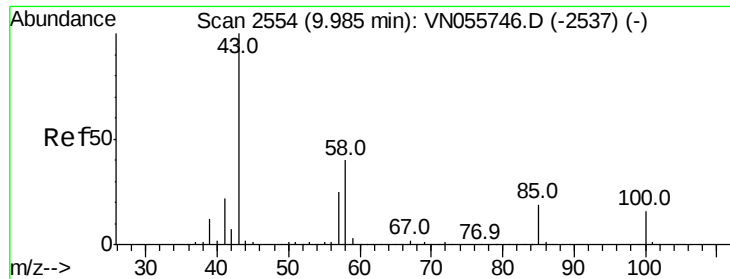
#50
 Toluene-d8
 Concen: 49.963 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Tgt Ion	98	Resp	527856
Ion	Ratio	Lower	Upper
98	100		
100	65.0	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: 103.210 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

VN0603MBS01

Tot Ion: 43 Resp: 375787

Ion Ratio Lower Upper

43 100

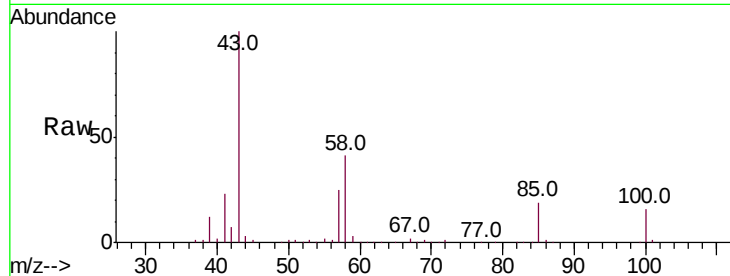
58 40.6 32.1 48.1

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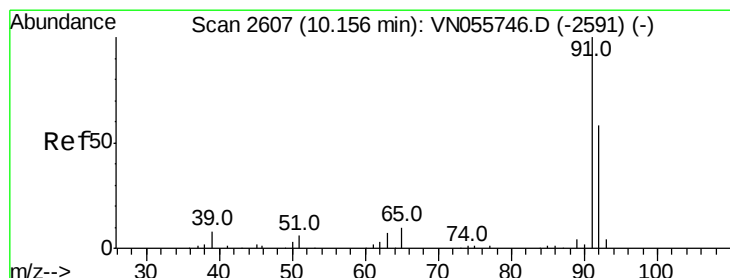
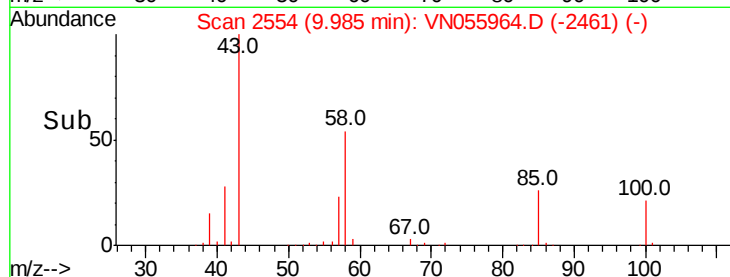
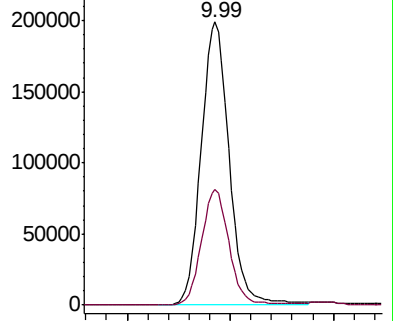
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.391 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055964.D

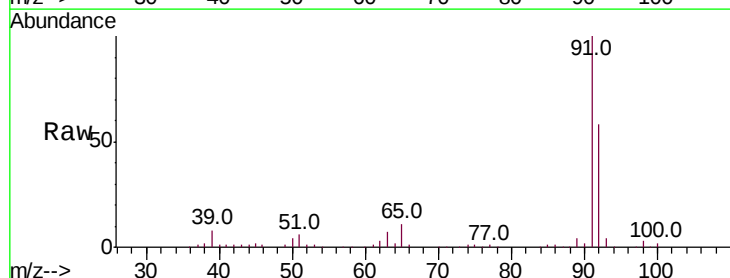
Acq: 3 Jun 2019 16:20

Tgt Ion: 92 Resp: 139536

Ion Ratio Lower Upper

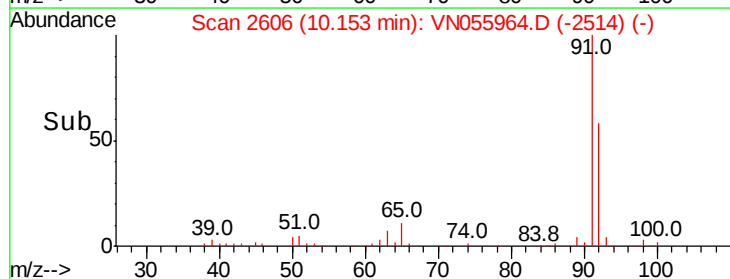
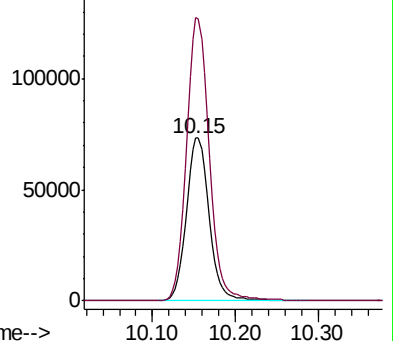
92 100

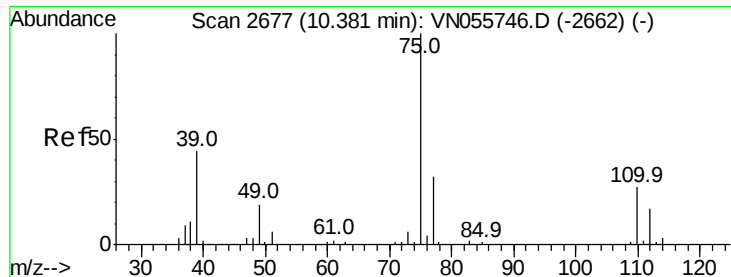
91 173.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





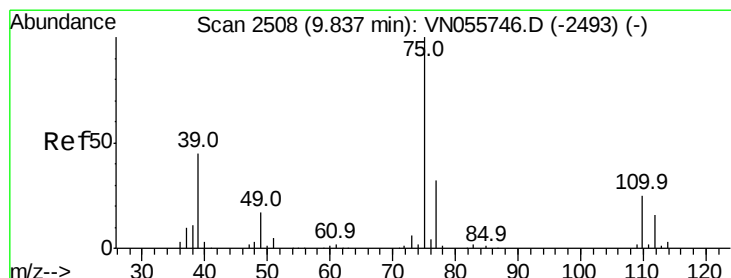
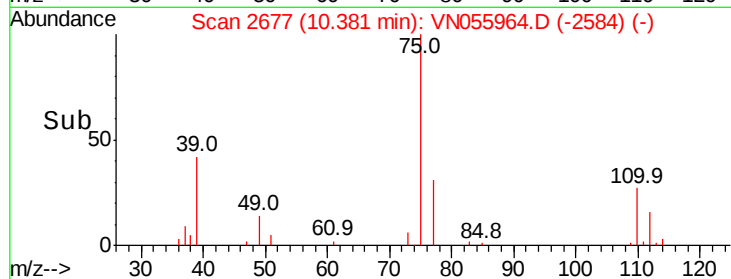
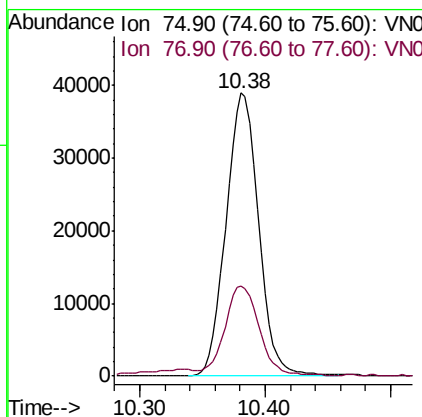
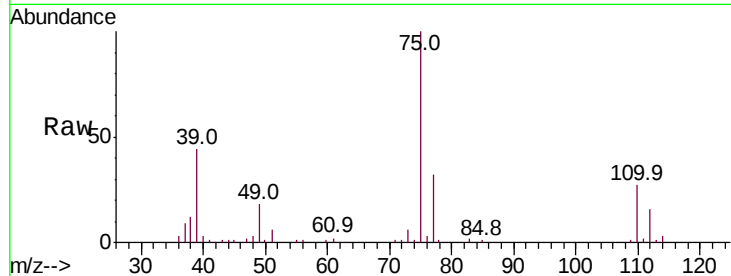
#53
t-1,3-Dichloropropene
Concen: 16.413 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion: 75 Resp: 70231
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6

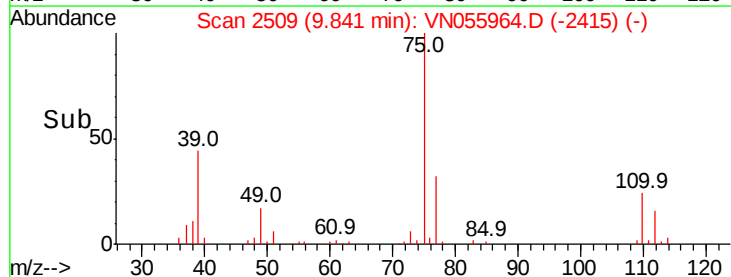
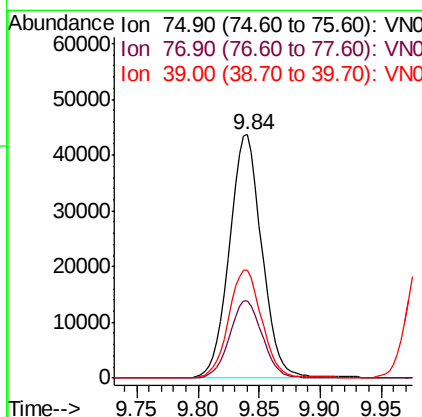
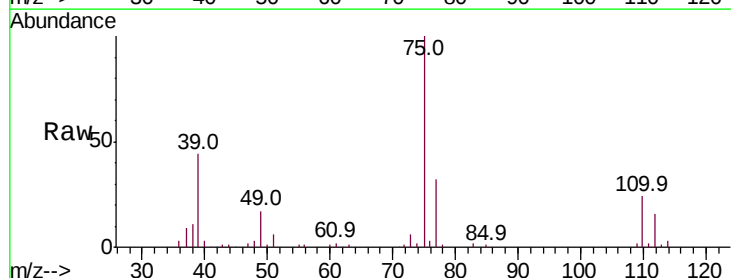
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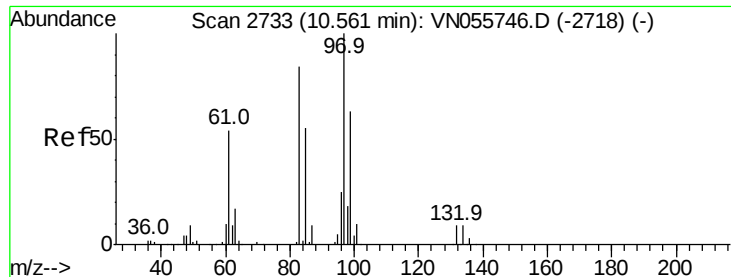
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#54
cis-1,3-Dichloropropene
Concen: 17.100 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 75 Resp: 81058
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 44.3 36.3 54.5





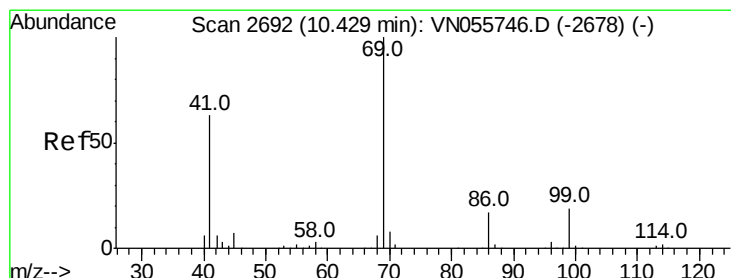
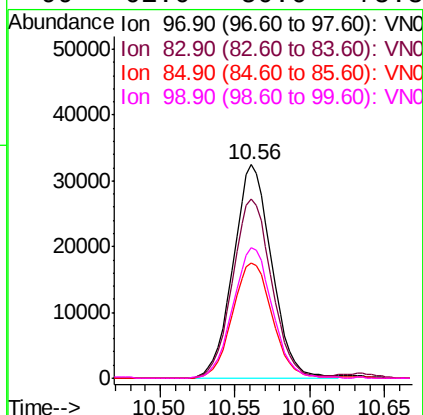
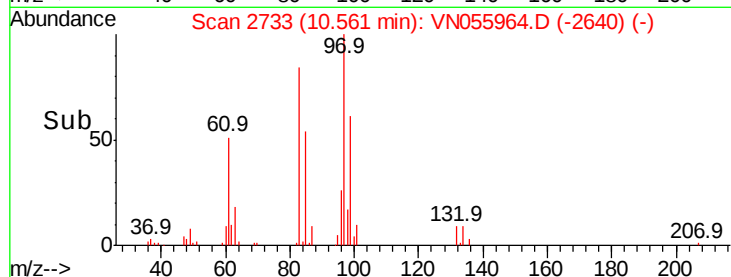
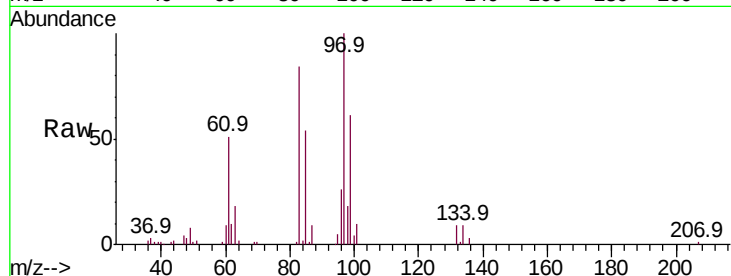
#55
1,1,2-Trichloroethane
Concen: 20.168 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
VN0603MBS01

Tot Ion:	97	Resp:	58139
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.0	100.6
85	53.8	44.0	66.0
99	61.0	50.6	75.8

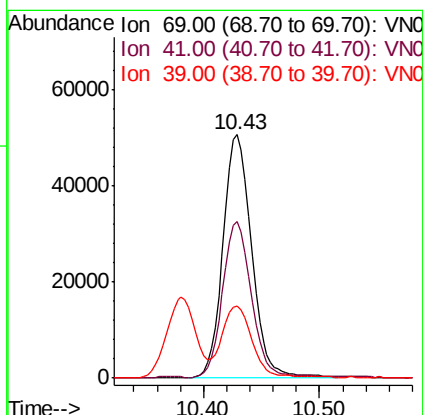
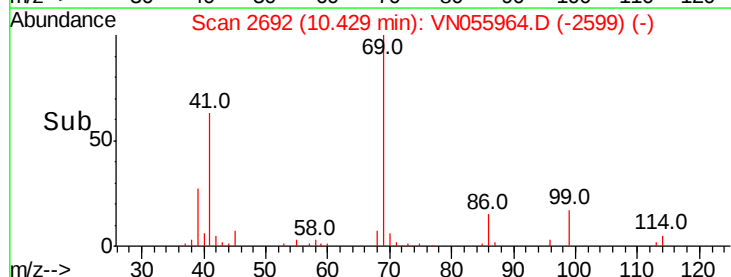
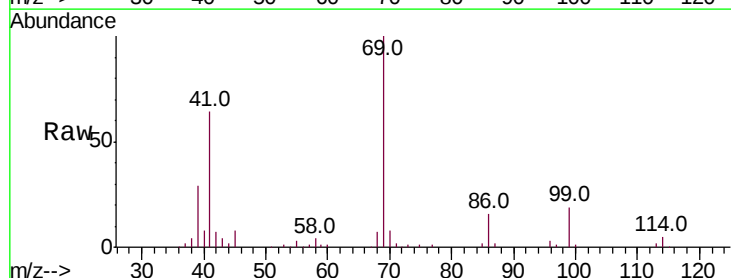
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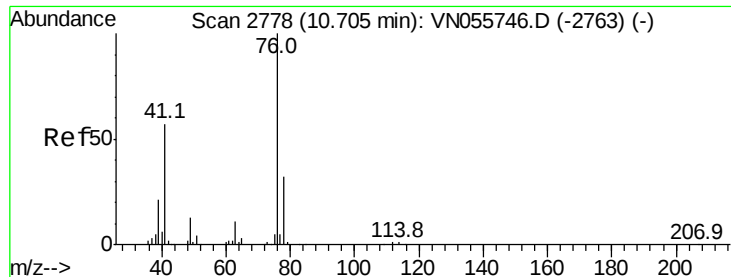
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#56
Ethyl methacrylate
Concen: 19.546 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion:	69	Resp:	87082
Ion	Ratio	Lower	Upper
69	100		
41	64.0	49.7	74.5
39	30.9	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.917 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

VN0603MBS01

Tot Ion: 76 Resp: 93327

Ion Ratio Lower Upper

76 100

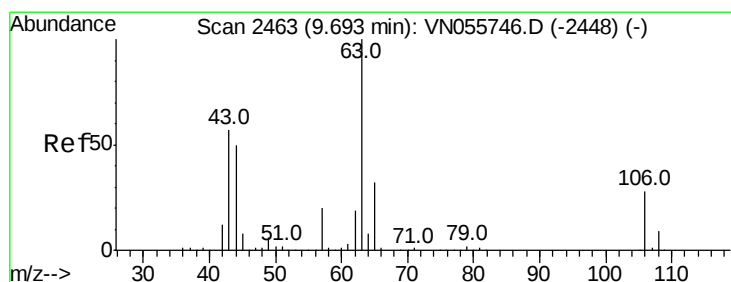
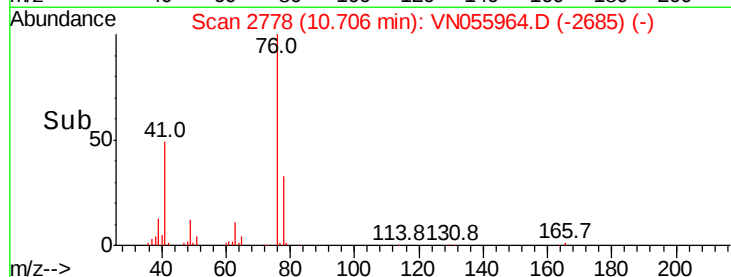
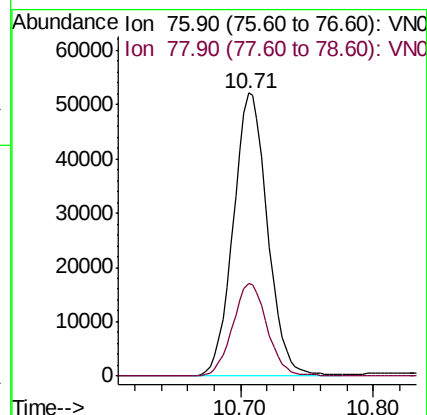
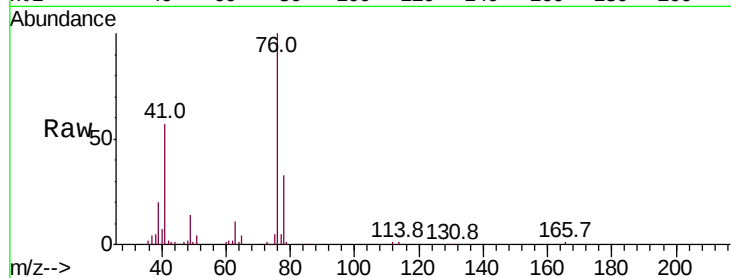
78 33.1 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 102.901 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055964.D

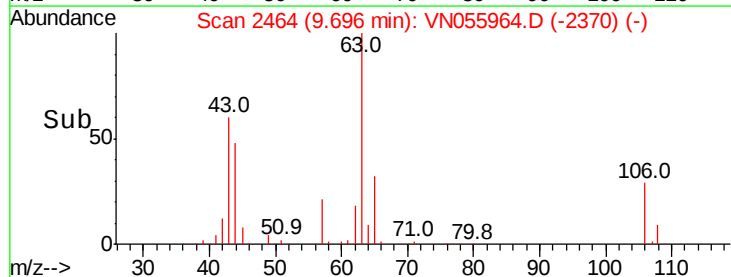
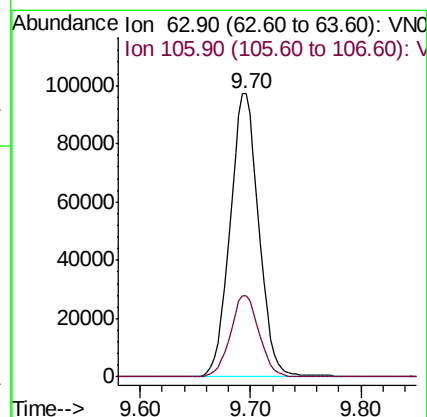
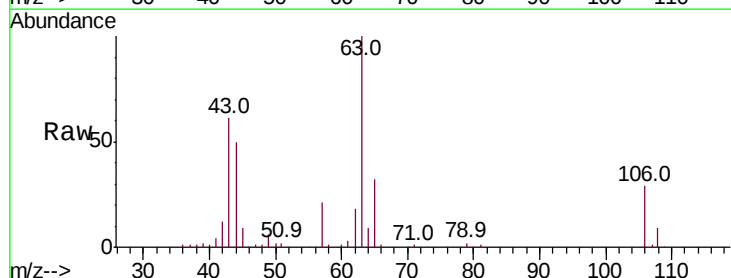
Acq: 3 Jun 2019 16:20

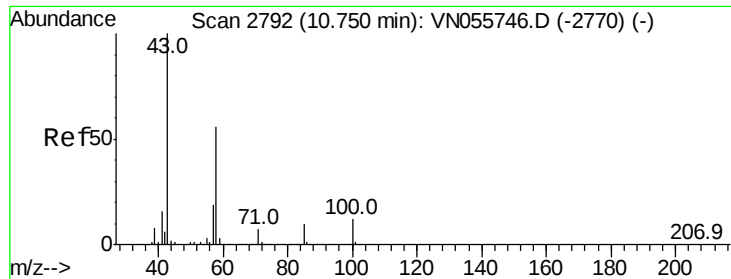
Tgt Ion: 63 Resp: 175200

Ion Ratio Lower Upper

63 100

106 28.6 22.7 34.1





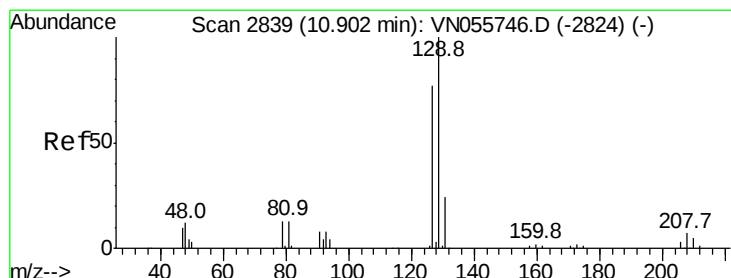
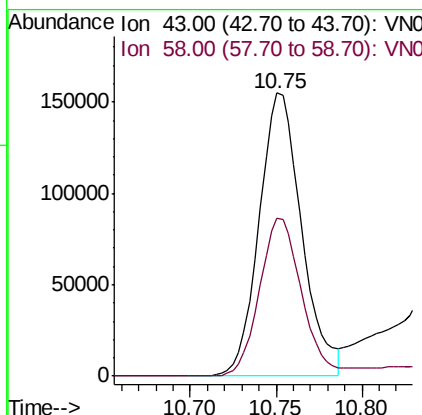
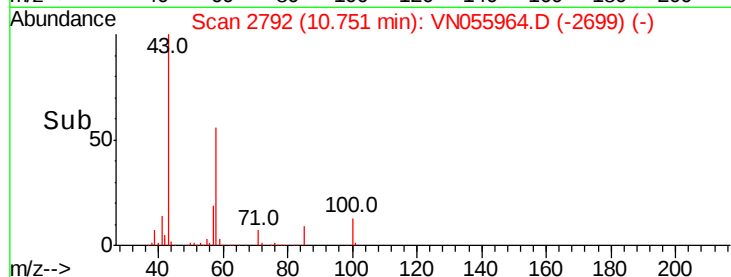
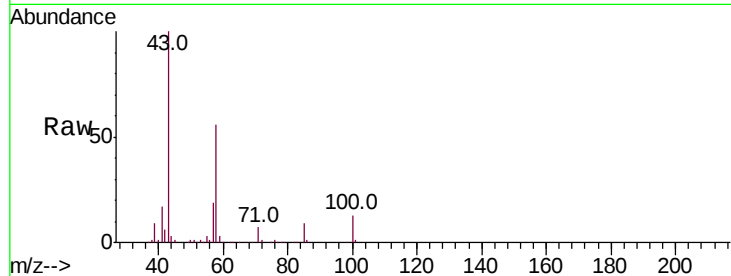
#59
2-Hexanone
Concen: 102.518 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion: 43 Resp: 264800
Ion Ratio Lower Upper
43 100
58 55.3 28.2 84.7

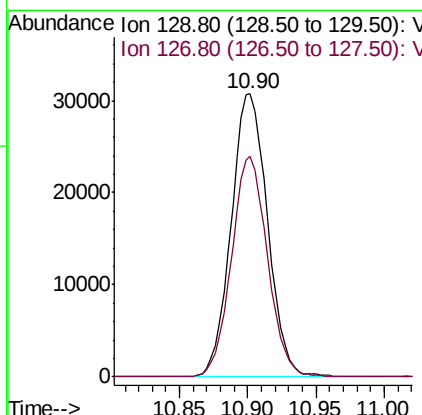
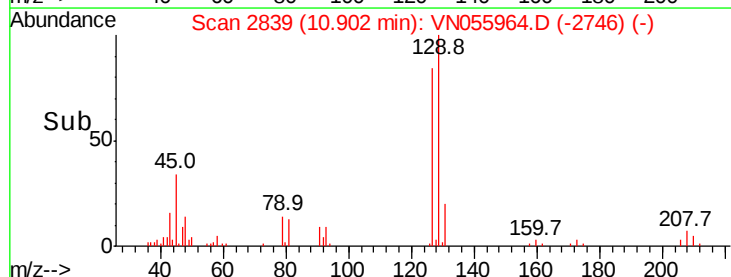
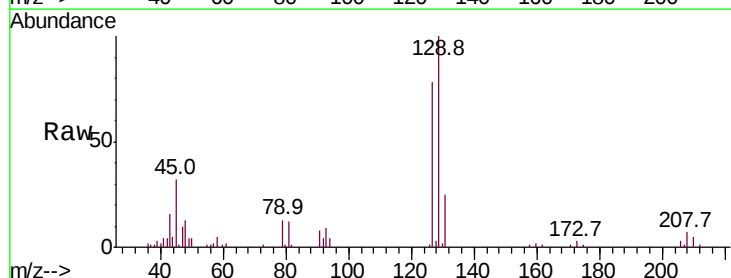
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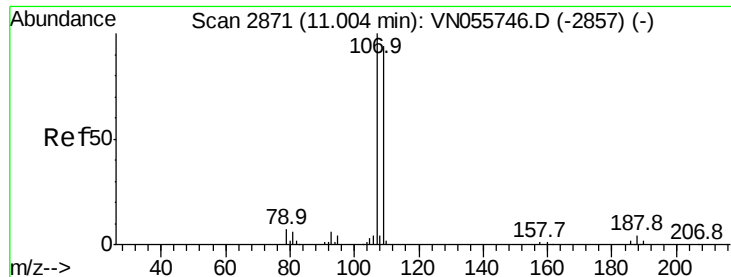
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#60
Dibromochloromethane
Concen: 16.930 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 129 Resp: 56856
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3





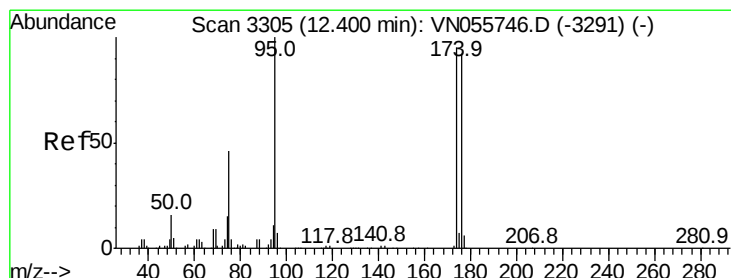
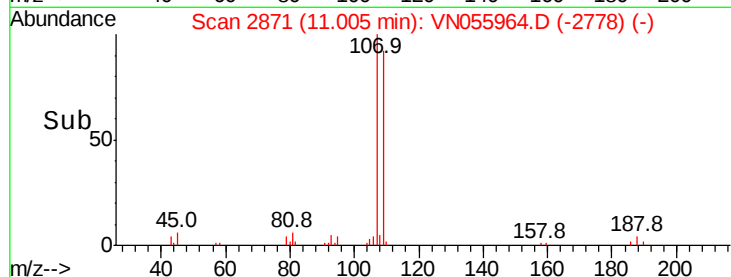
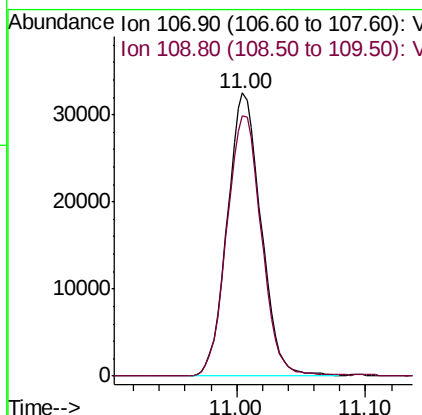
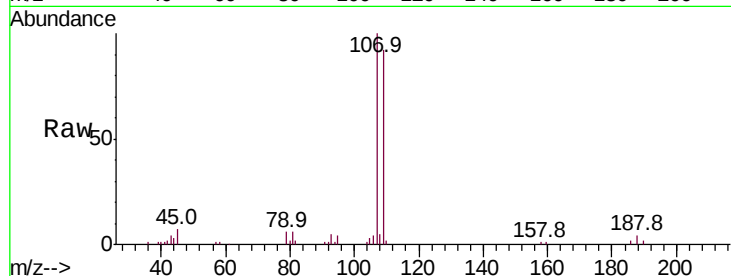
#61
1,2-Dibromoethane
Concen: 19.717 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.8	112.2

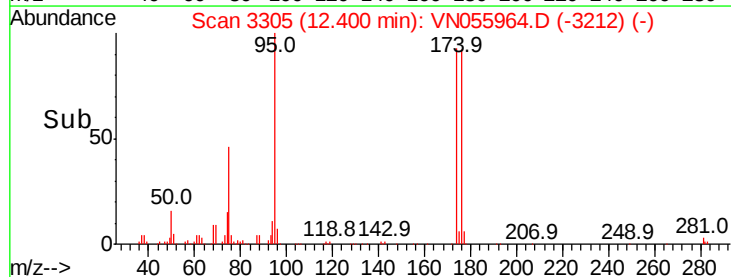
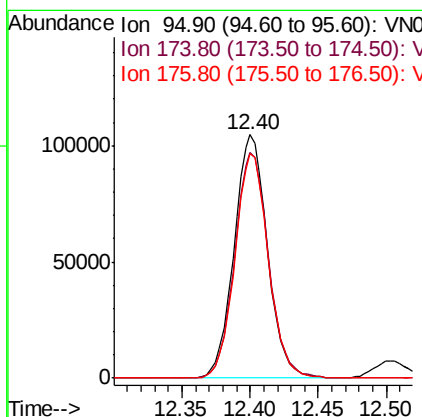
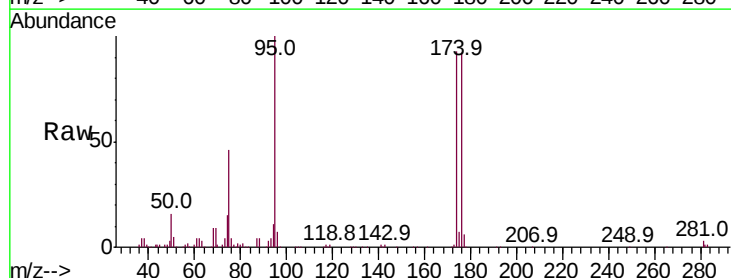
Manual Integrations
APPROVED

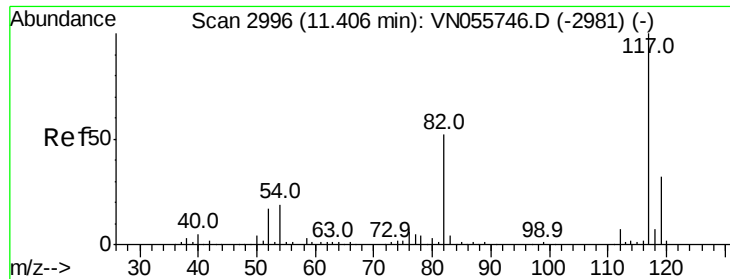
MMDadoda
6/4/2019 11:24:47 AM



#62
4-Bromofluorobenzene
Concen: 48.915 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.4	0.0	191.0
176	92.3	0.0	185.2





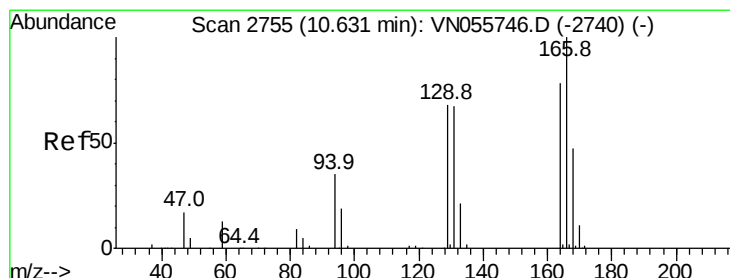
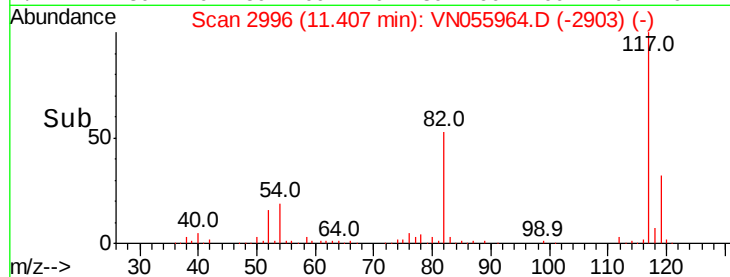
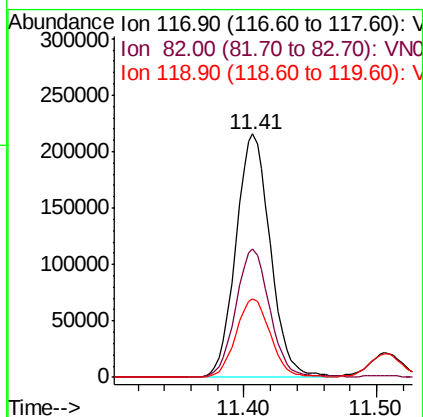
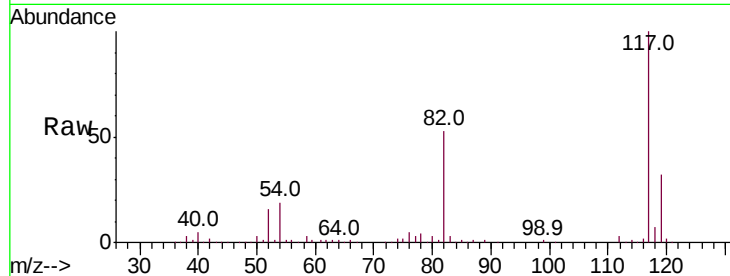
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.8
119	32.1	25.4	38.0

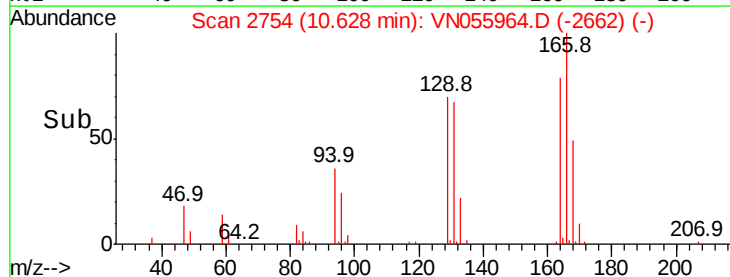
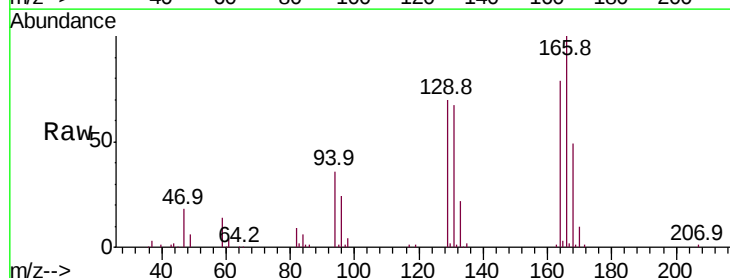
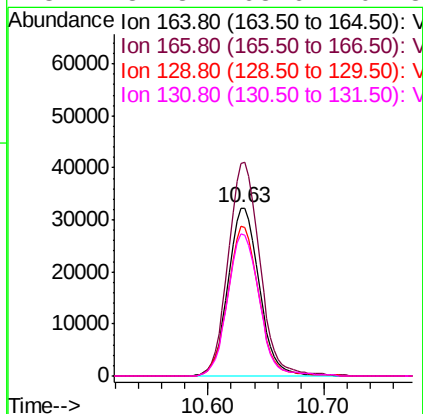
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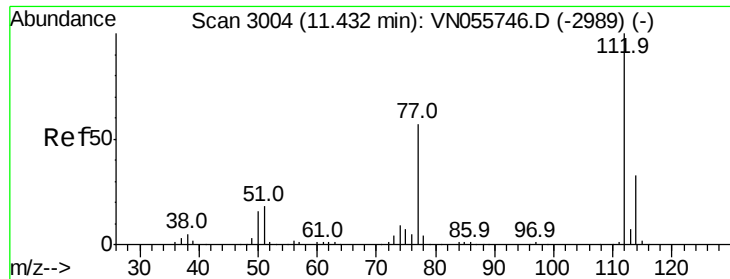
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#64
Tetrachloroethene
Concen: 18.404 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.0	154.6
129	88.9	70.6	105.8
131	84.3	68.6	102.8





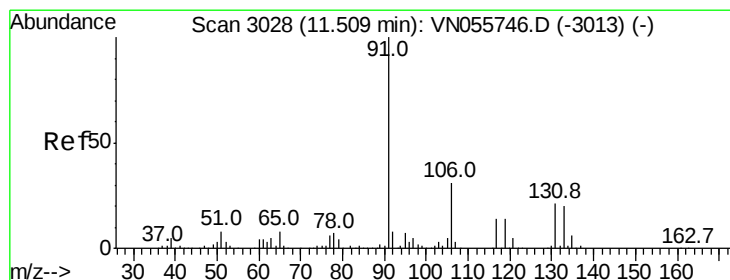
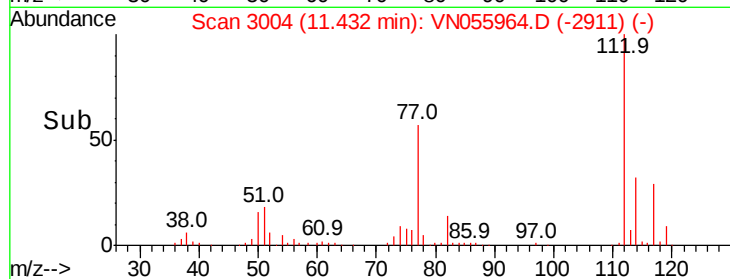
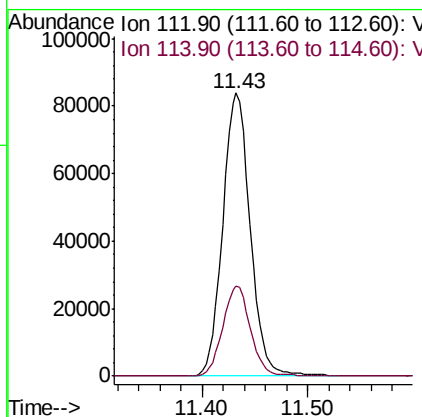
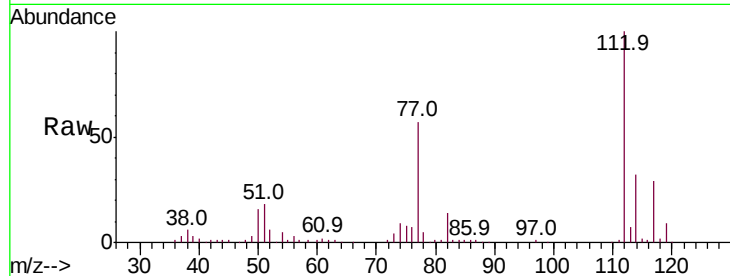
#65
Chlorobenzene
Concen: 19.430 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion:112 Resp: 151053
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

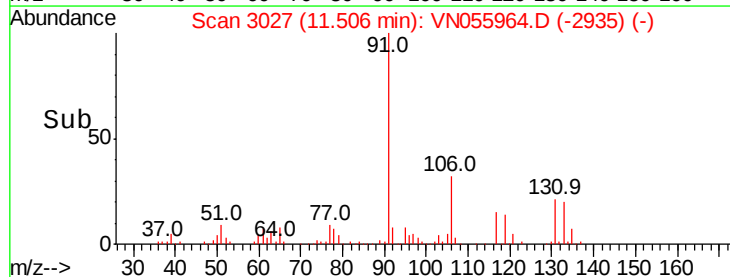
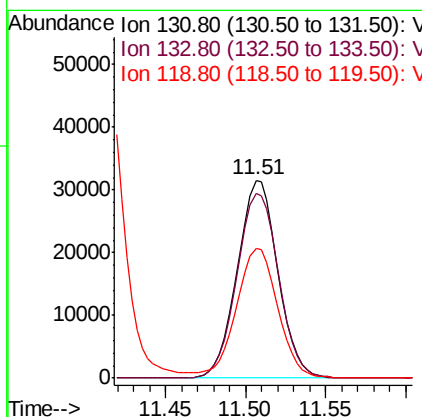
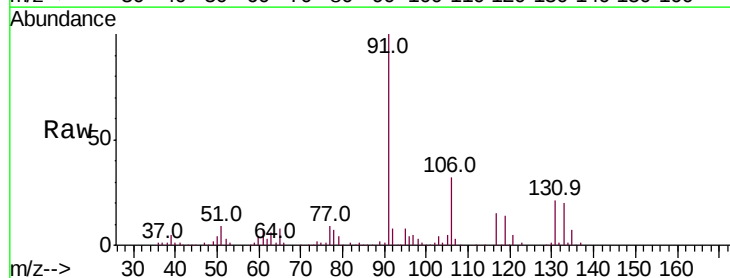
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.536 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion:131 Resp: 54375
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 67.7 33.1 99.5





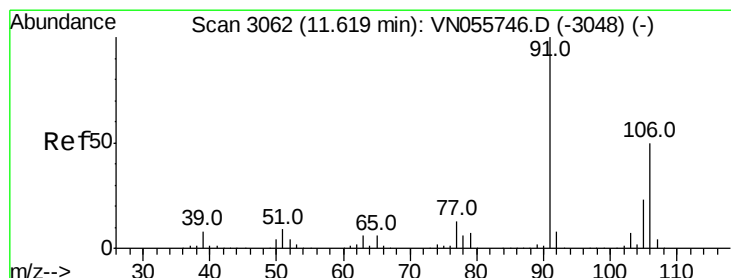
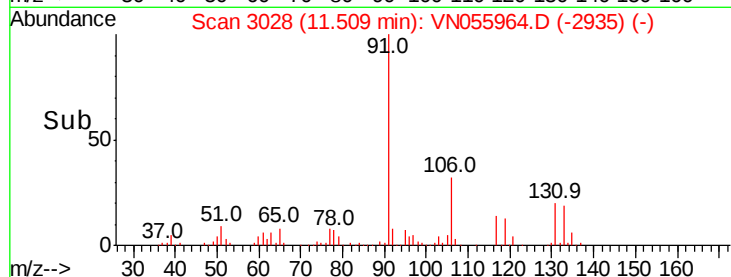
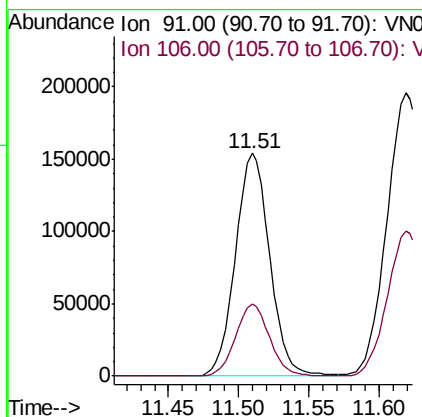
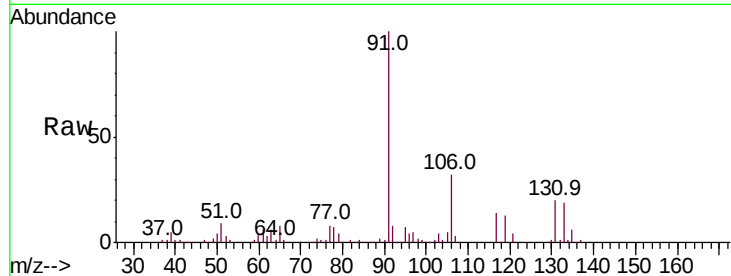
#67
Ethyl Benzene
Concen: 18.879 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
VN0603MBS01

Tot Ion: 91 Resp: 263204
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7

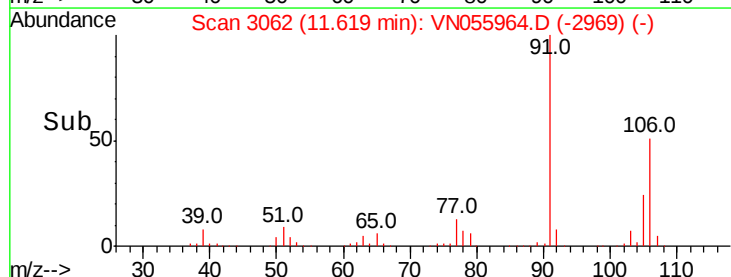
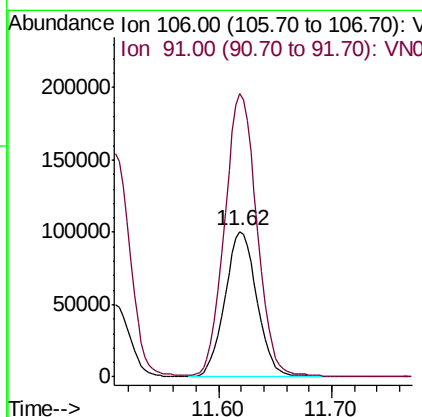
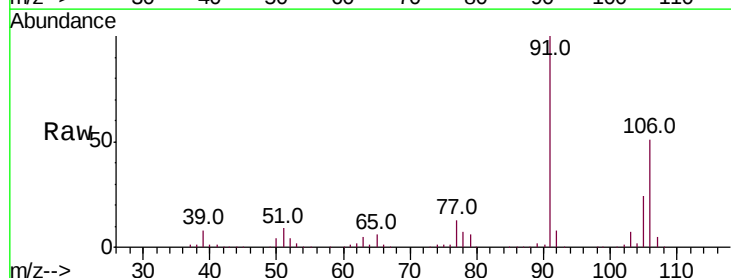
Manual Integrations
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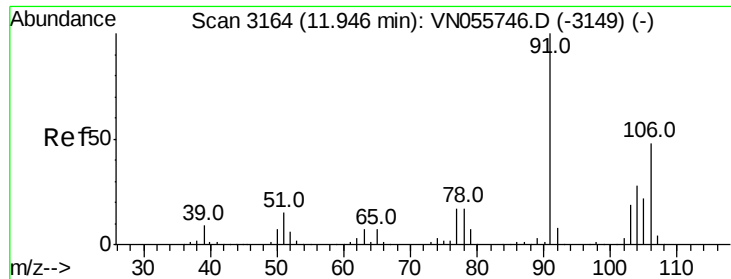
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#68
m/p-Xylenes
Concen: 37.608 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion: 106 Resp: 198218
Ion Ratio Lower Upper
106 100
91 196.5 159.3 238.9





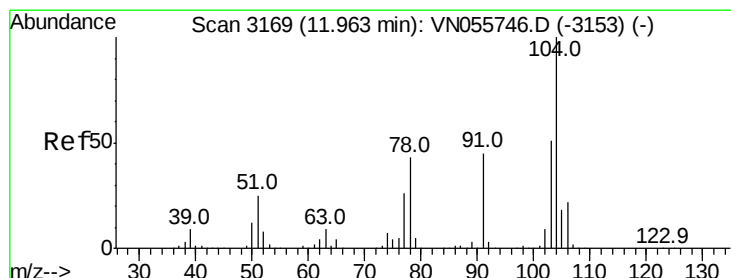
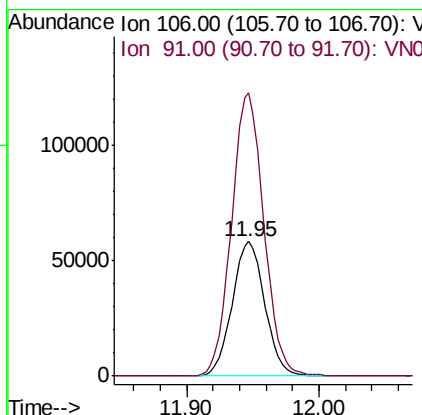
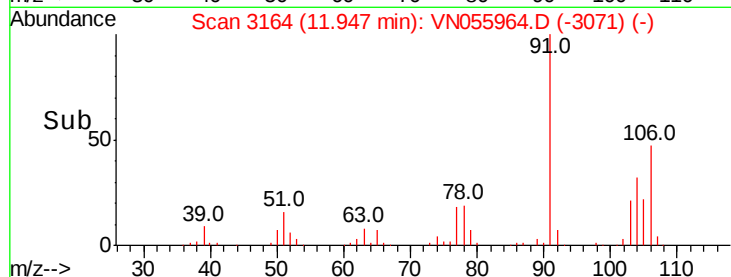
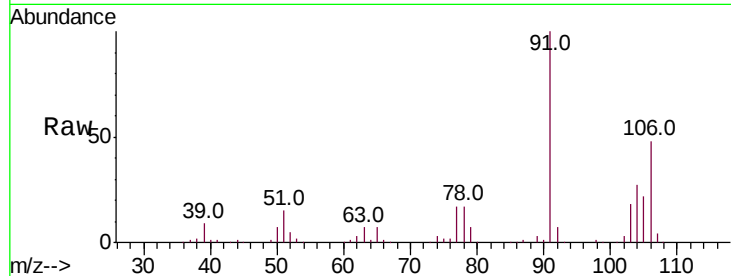
#69
o-Xylene
Concen: 19.064 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
VN0603MBS01

Tot Ion:106 Resp: 99687
Ion Ratio Lower Upper
106 100
91 209.0 104.7 314.1

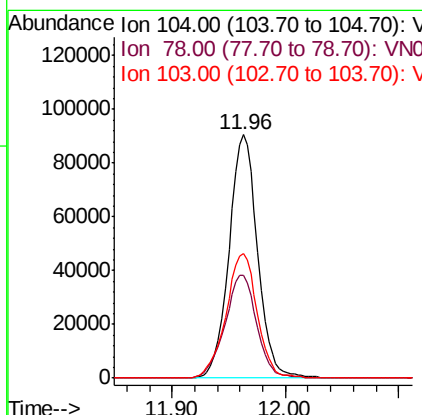
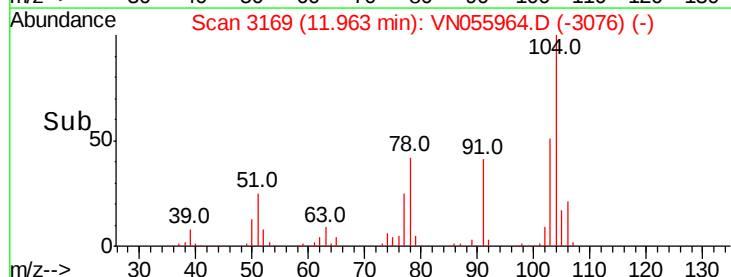
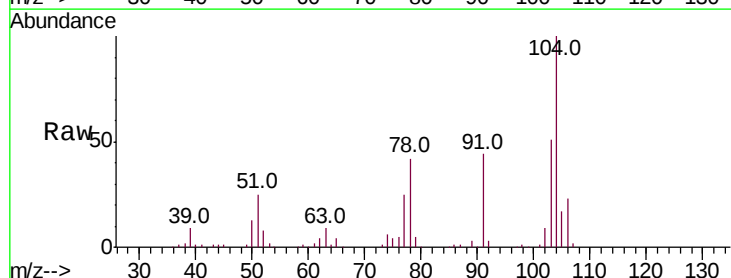
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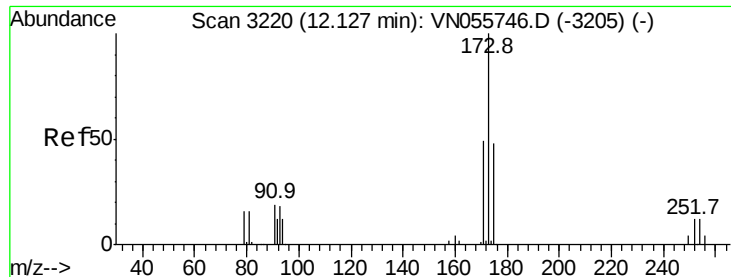
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#70
Styrene
Concen: 18.753 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion:104 Resp: 158804
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.6
103 56.2 44.2 66.2





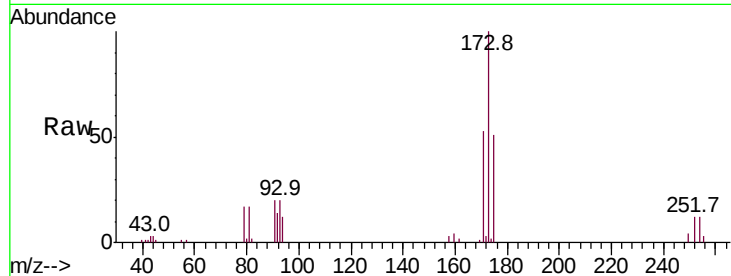
#71
Bromoform
Concen: 14.011 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
VN0603MBS01

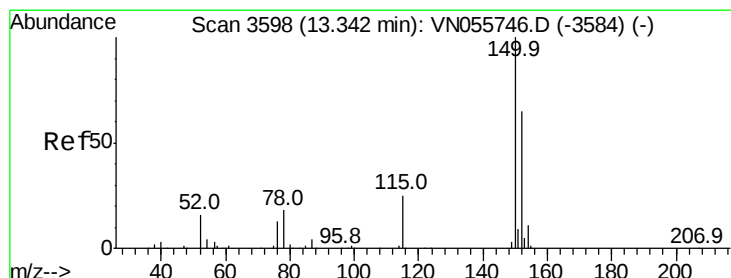
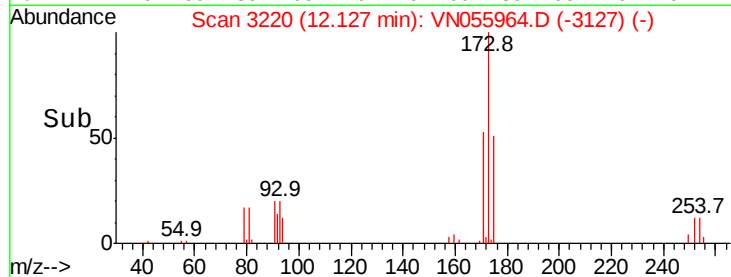
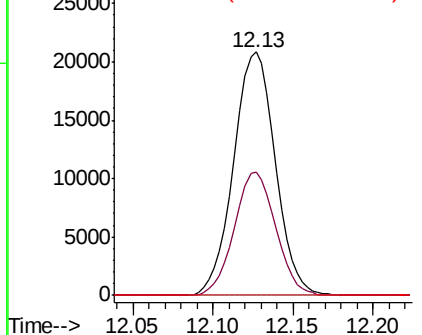
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	72.8
254	0.0	0.0	0.0

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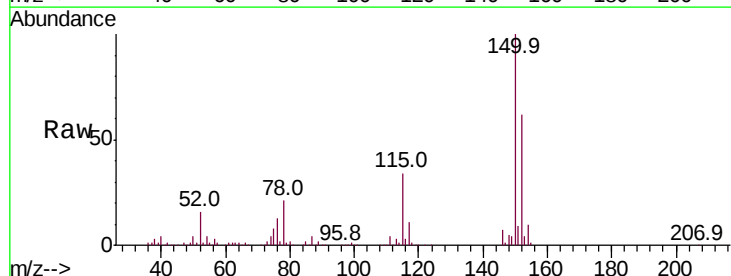


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

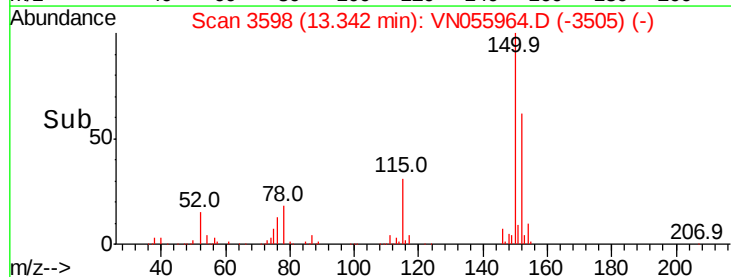
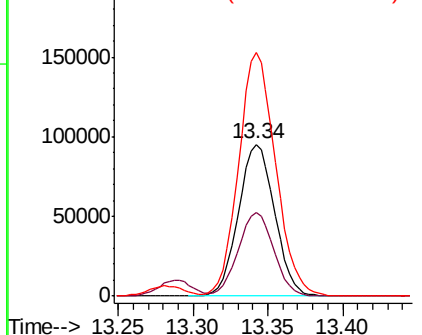


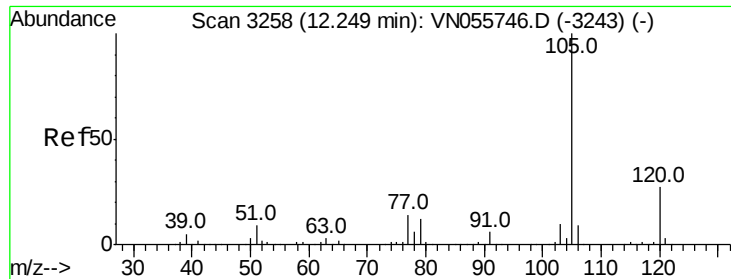
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.0	81.0
150	164.2	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: 21.372 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBS01

Tot Ion:105 Resp: 260922

Ion Ratio Lower Upper

105 100

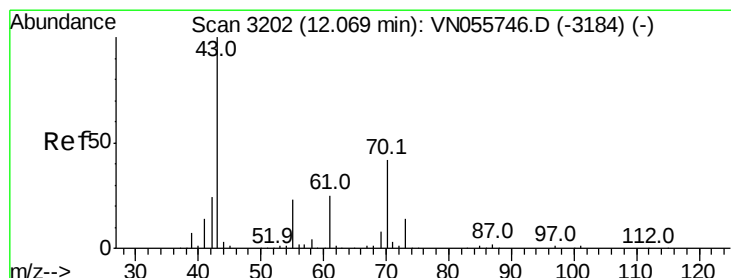
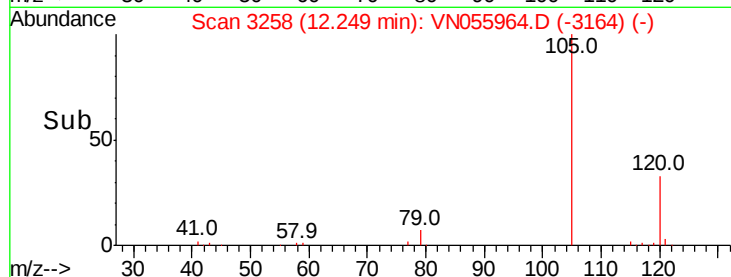
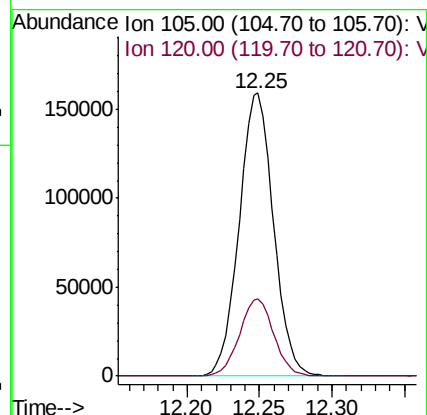
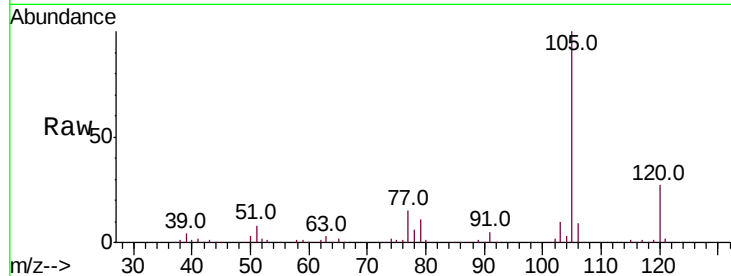
120 27.3 13.6 40.7

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#74

N-ethyl acetate

Concen: 20.851 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Tgt Ion: 43 Resp: 96204

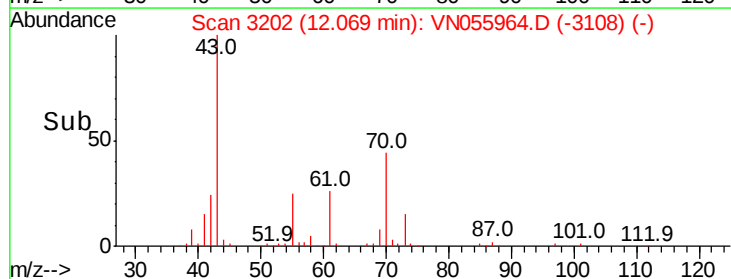
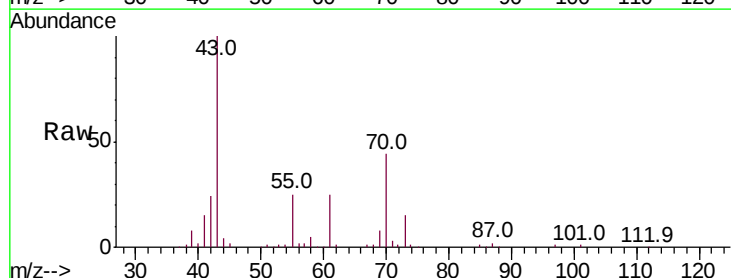
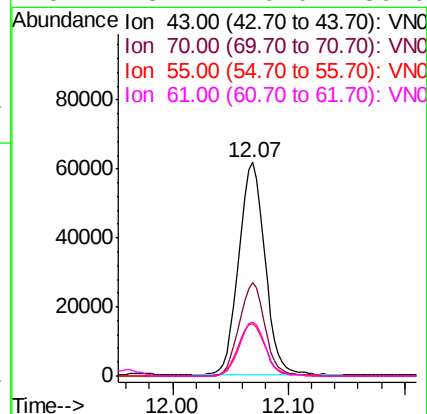
Ion Ratio Lower Upper

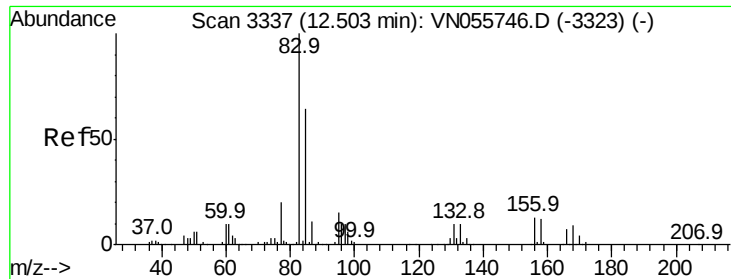
43 100

70 43.3 34.0 51.0

55 26.1 18.6 28.0

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.395 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

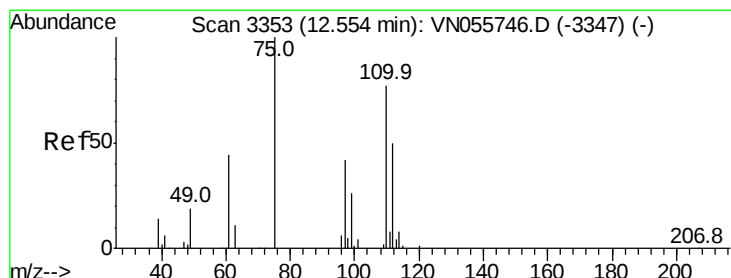
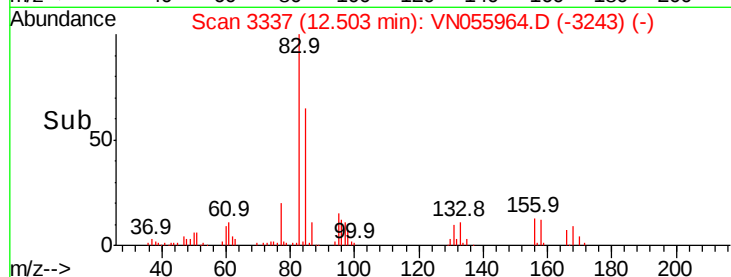
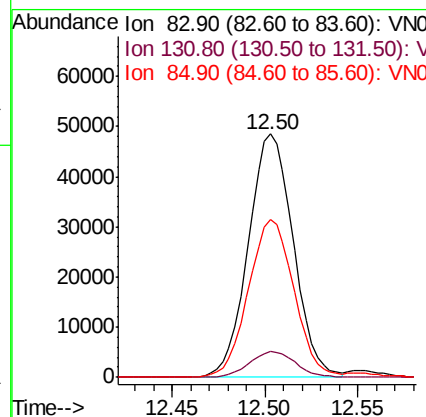
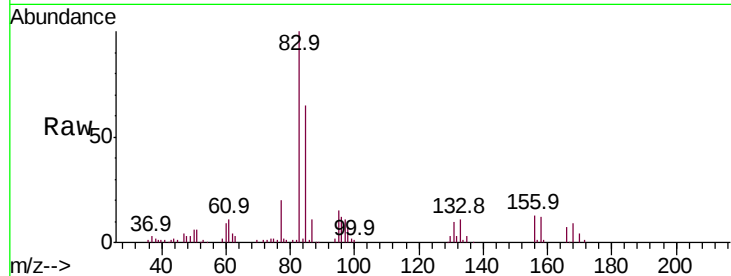
ClientSampleId :

VN0603MBS01

Tot Ion	83	Resp	81746
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	65.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 24.022 ug/l m

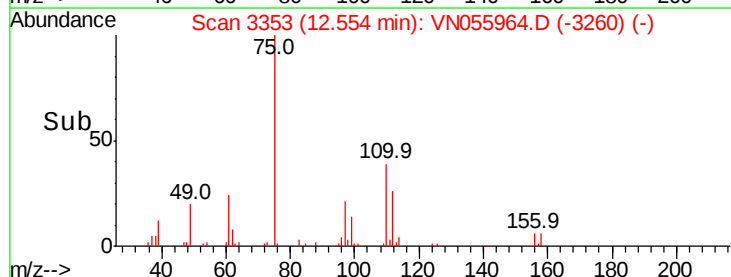
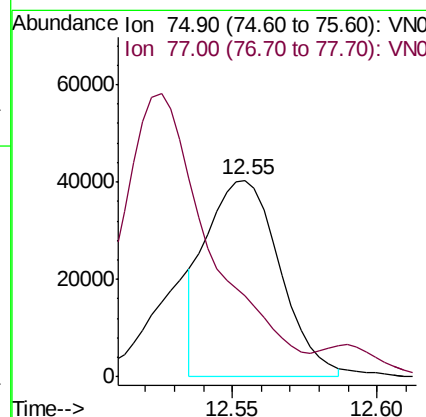
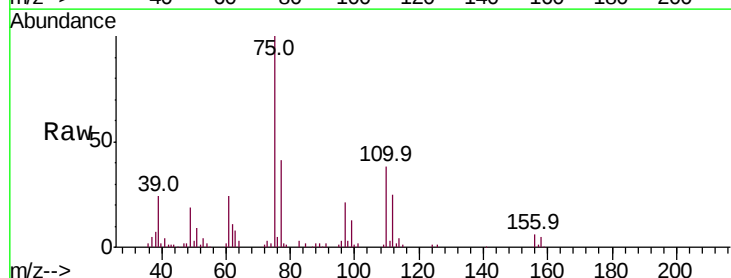
RT: 12.55 min Scan# 3353

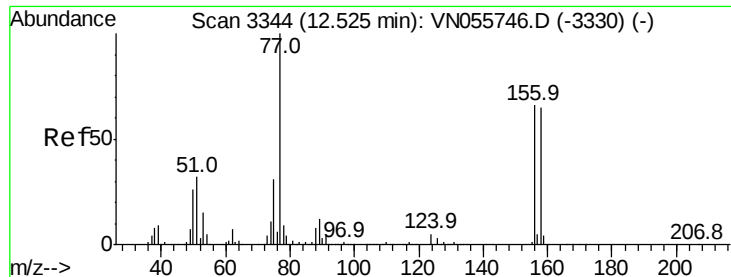
Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Tgt Ion	75	Resp	70769
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.134 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

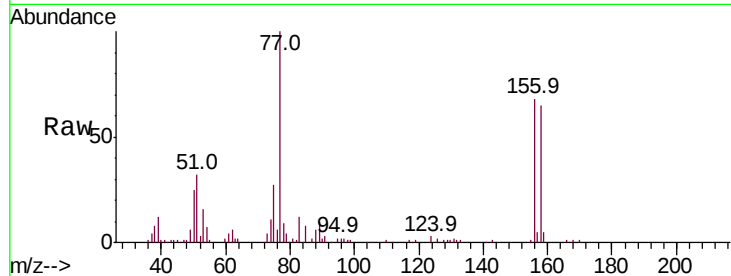
ClientSampleId :

VN0603MBS01

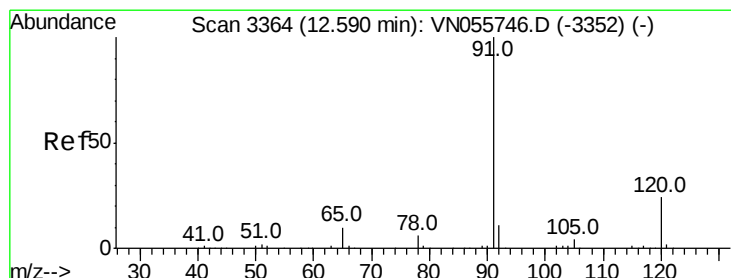
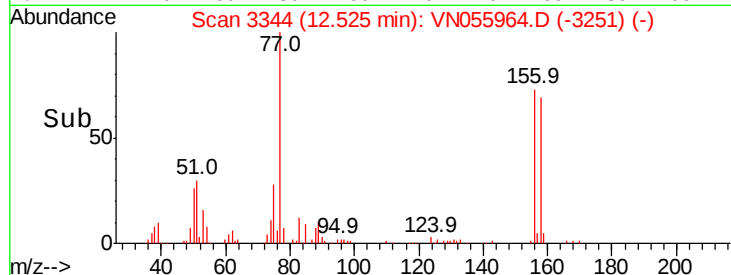
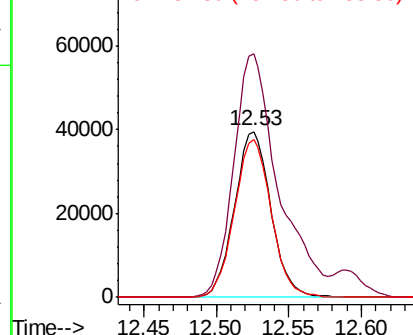
Tot Ion:	156	Resp:	68822
Ion Ratio	Lower	Upper	
156	100		
77	181.7	90.8	272.5
158	96.2	49.3	147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.266 ug/l

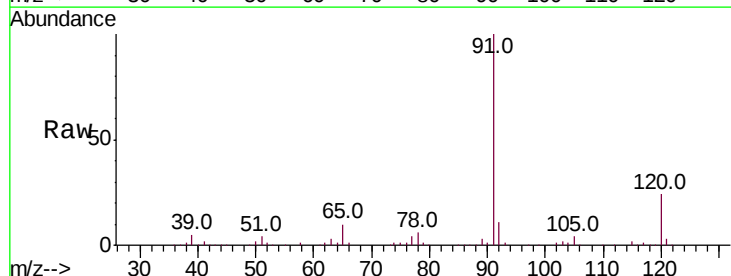
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

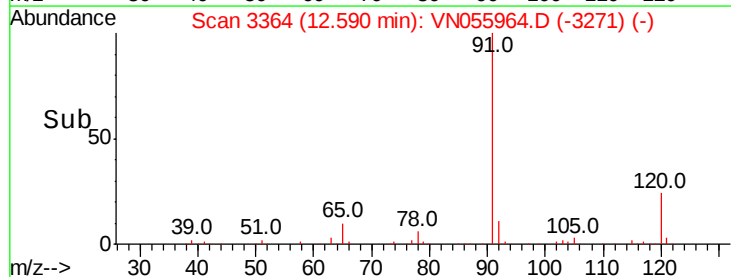
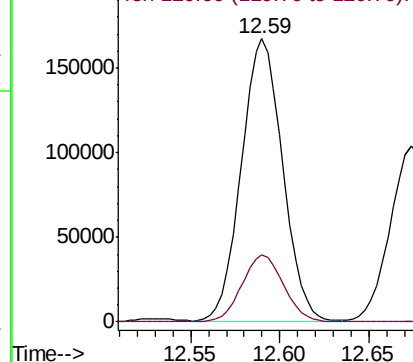
Lab File: VN055964.D

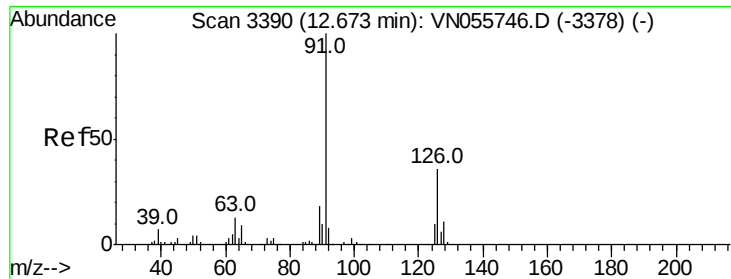
Acq: 3 Jun 2019 16:20

Tgt Ion:	91	Resp:	268216
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.189 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBS01

Tot Ion: 91 Resp: 169909

Ion Ratio Lower Upper

91 100

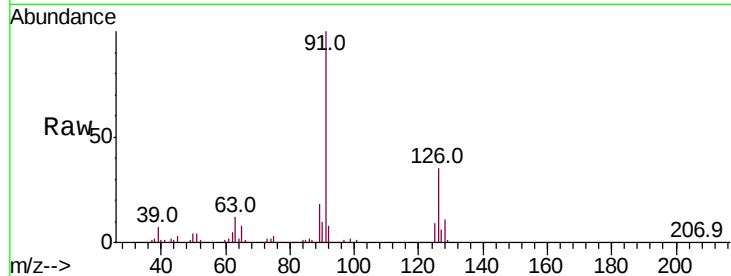
126 35.6 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055964.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055964.D (-3378) (-)

12.67

100000

80000

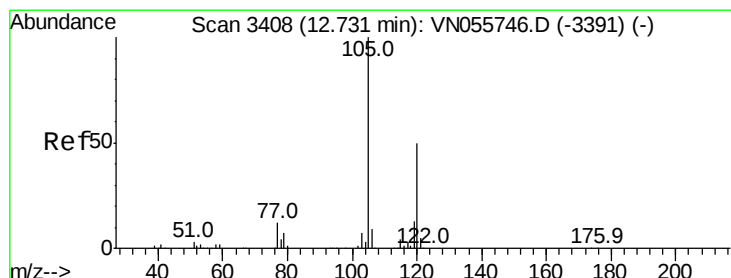
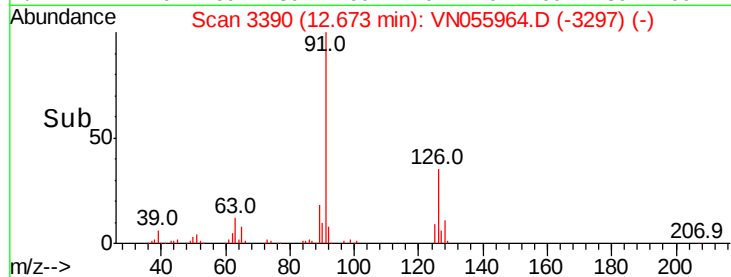
60000

40000

20000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.497 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055964.D

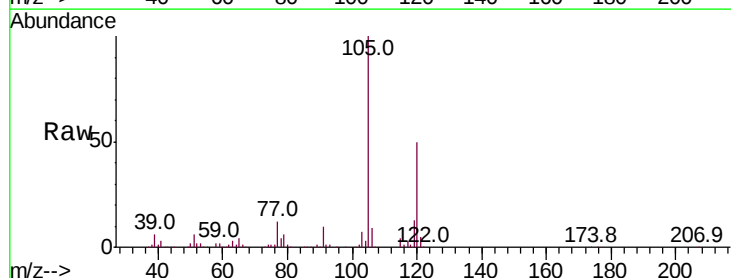
Acq: 3 Jun 2019 16:20

Tgt Ion: 105 Resp: 211073

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055964.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055964.D (-3315) (-)

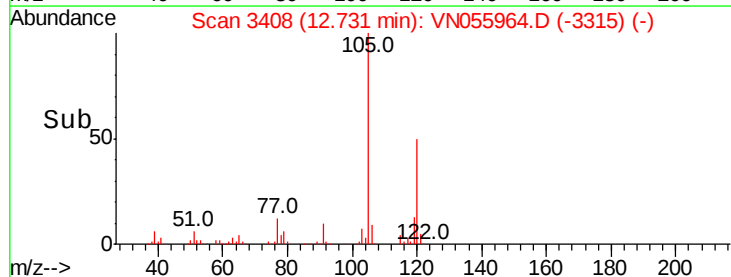
150000

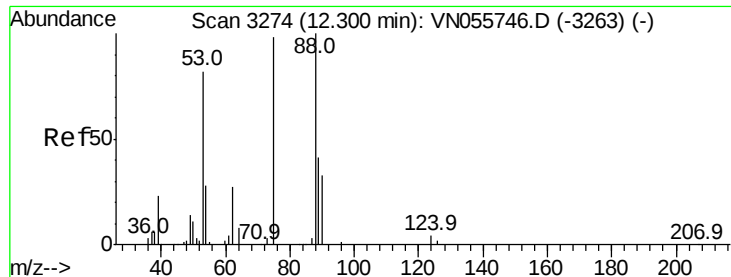
100000

50000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 15.704 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBS01

Tot Ion: 75 Resp: 18696

Ion Ratio Lower Upper

75 100

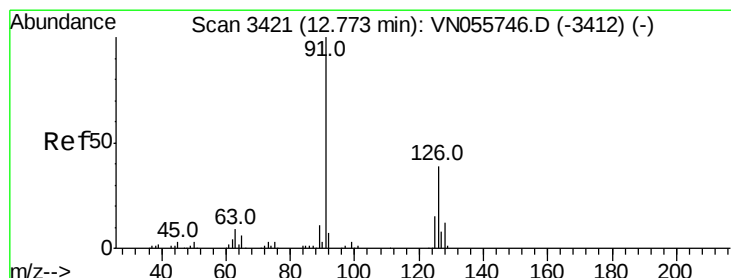
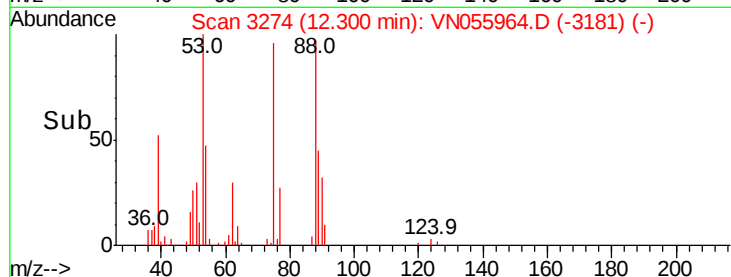
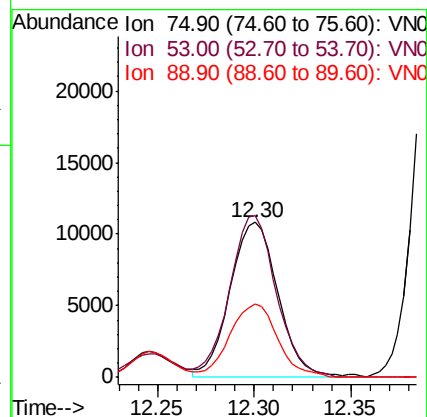
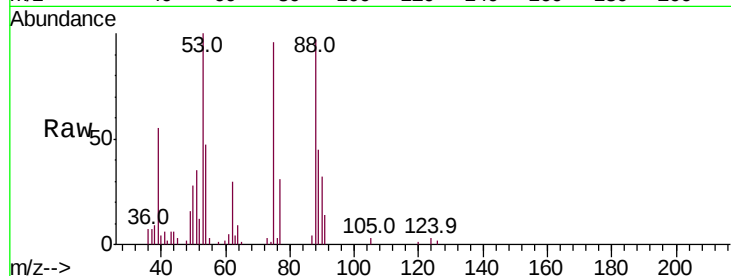
53 101.9 68.1 102.1

89 47.0 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.978 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055964.D

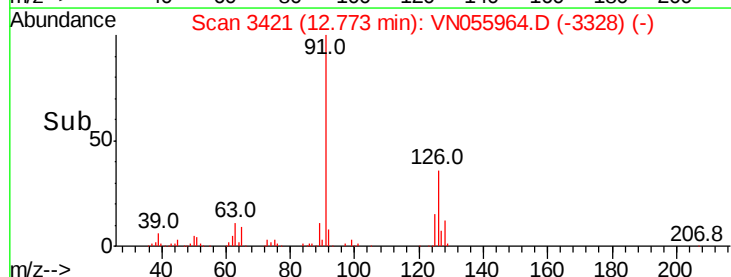
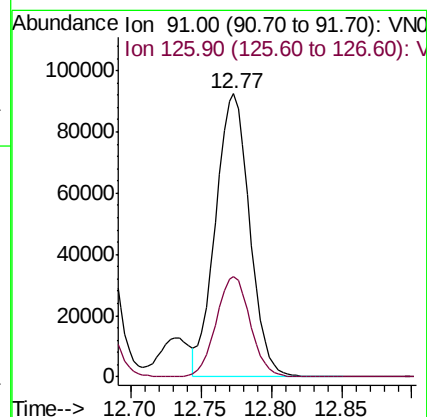
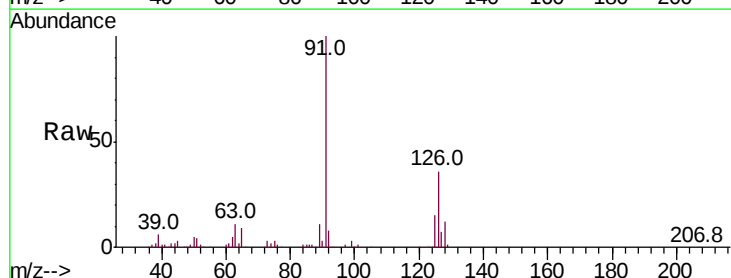
Acq: 3 Jun 2019 16:20

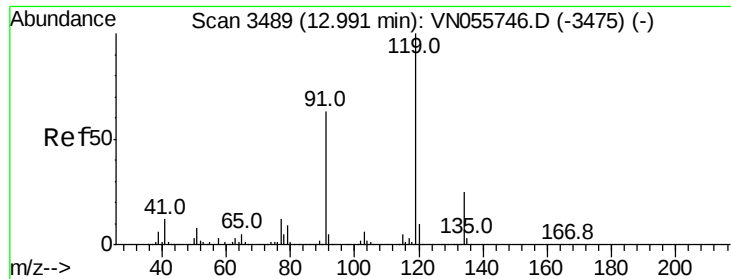
Tgt Ion: 91 Resp: 155309

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.3





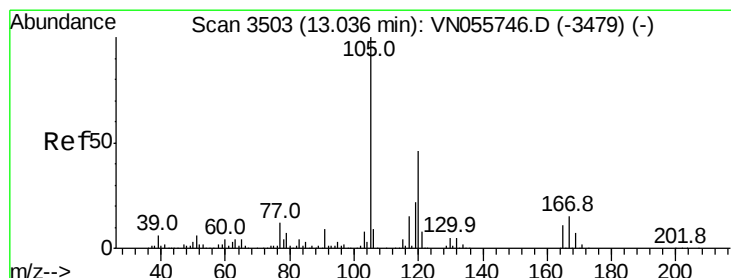
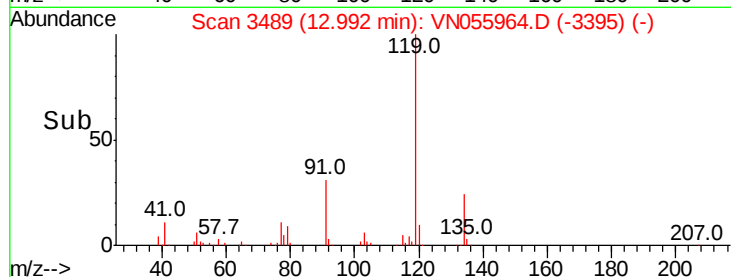
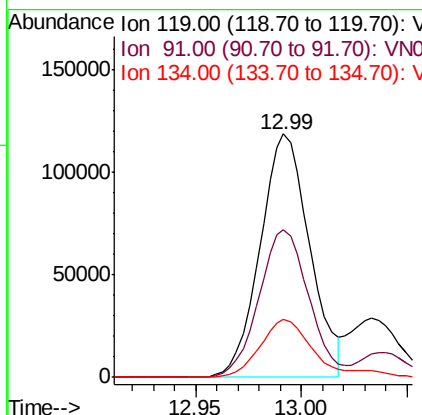
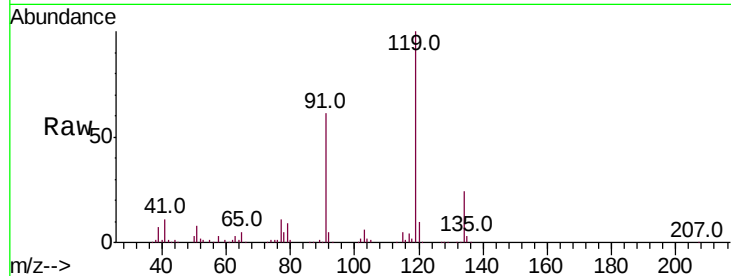
#83
tert-Butylbenzene
Concen: 21.628 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193541		
91	61.0	30.9	92.8	
134	26.4	13.3	39.8	

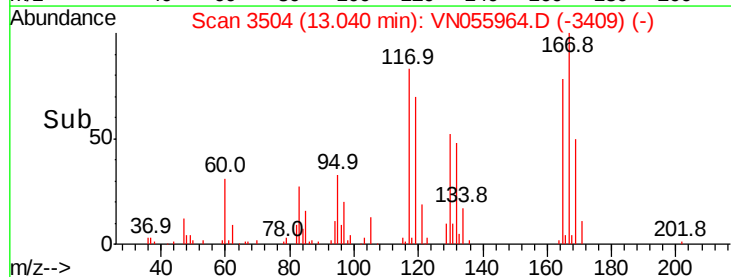
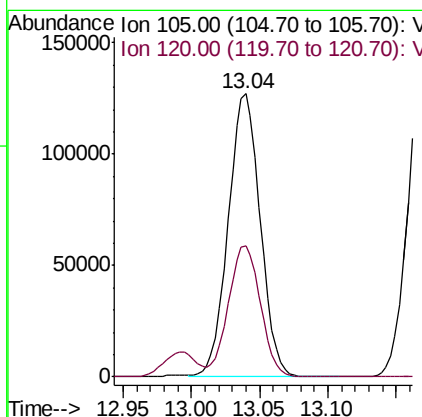
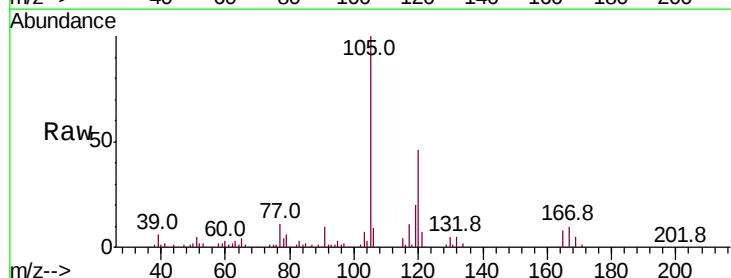
Manual Integrations
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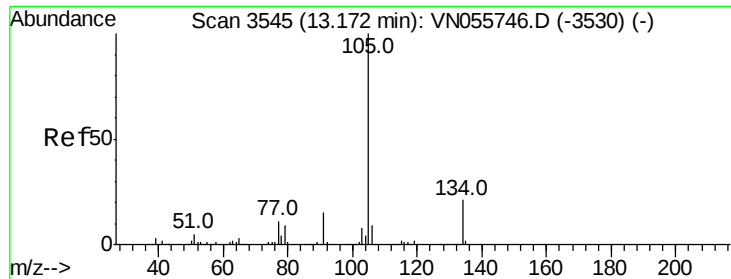
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#84
1,2,4-Trimethylbenzene
Concen: 20.227 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207031		
120	46.4	23.0	69.0	





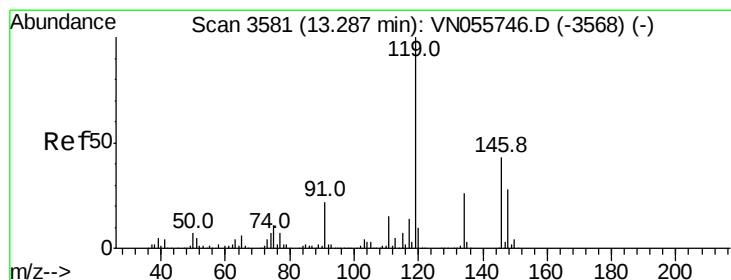
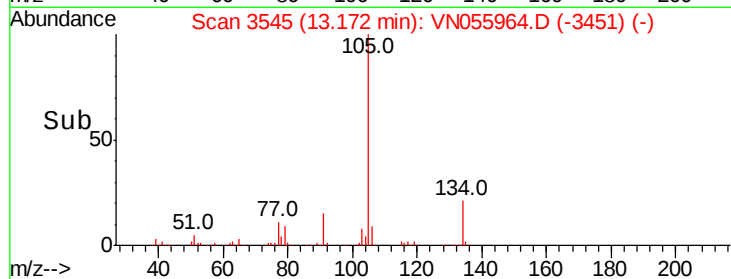
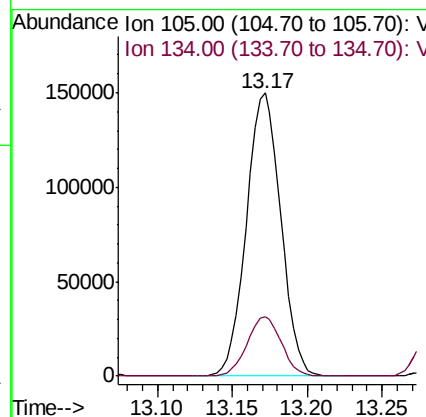
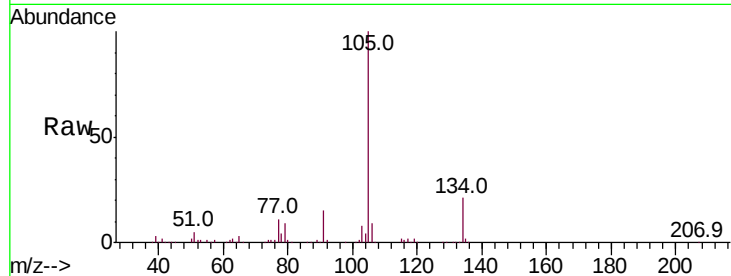
#85
 sec-Butylbenzene
 Concen: 20.866 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.2

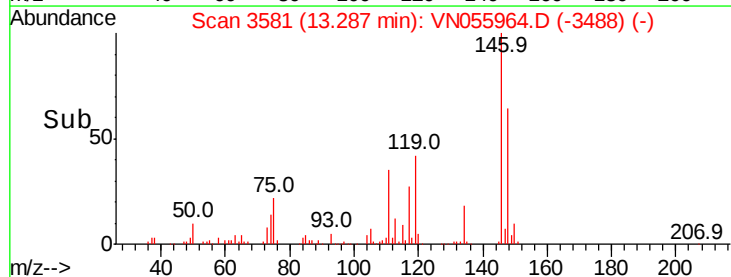
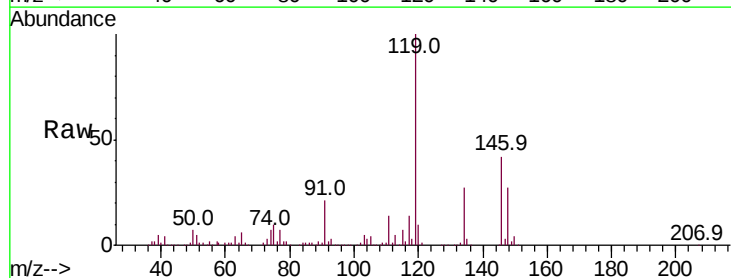
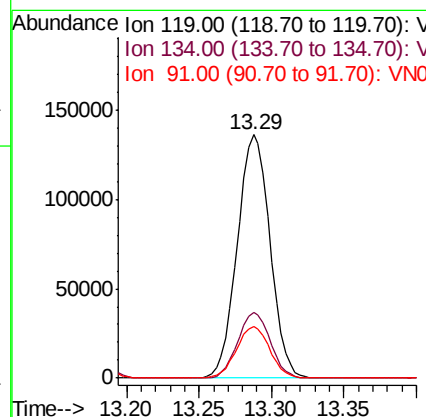
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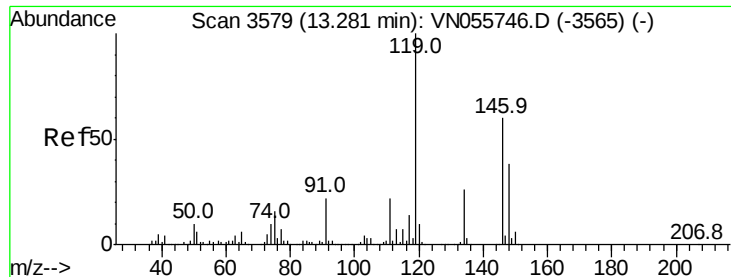
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#86
 p-Isopropyltoluene
 Concen: 19.215 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.1
91	21.6	10.9	32.9





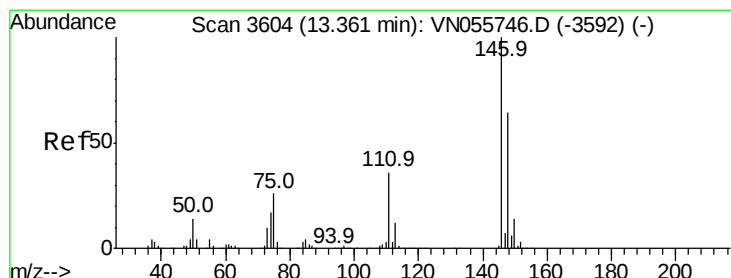
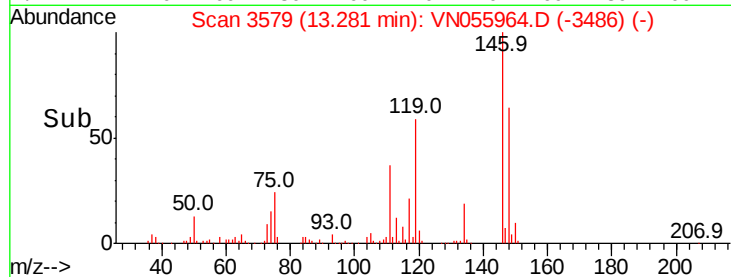
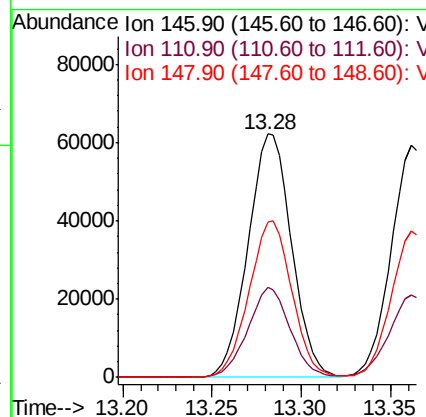
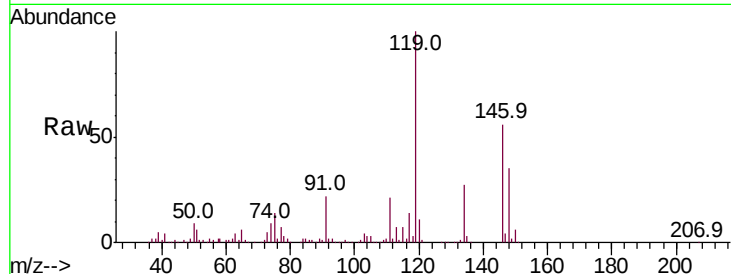
#87
 1,3-Dichlorobenzene
 Concen: 19.536 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.5	55.5
148	63.5	32.0	96.2

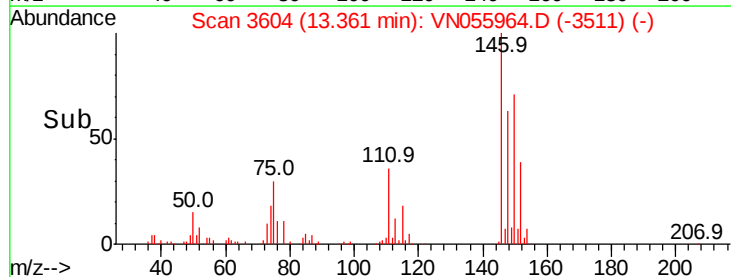
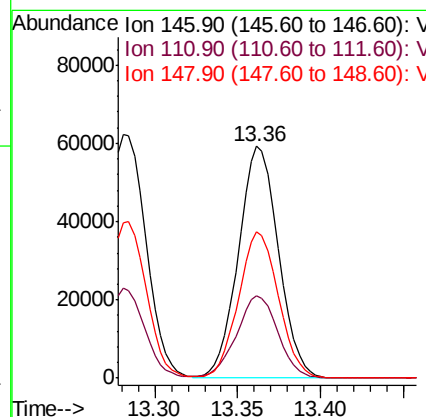
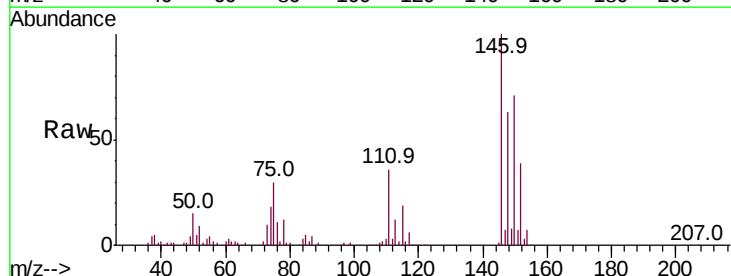
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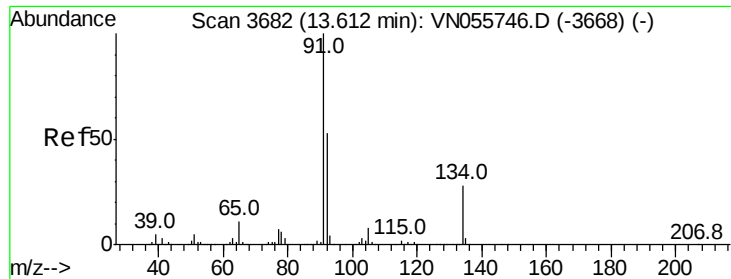
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#88
 1,4-Dichlorobenzene
 Concen: 19.366 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	63.1	32.1	96.5





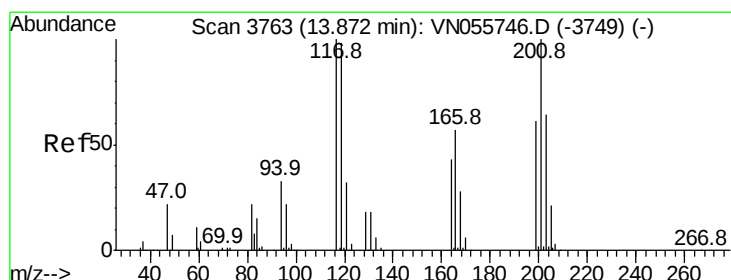
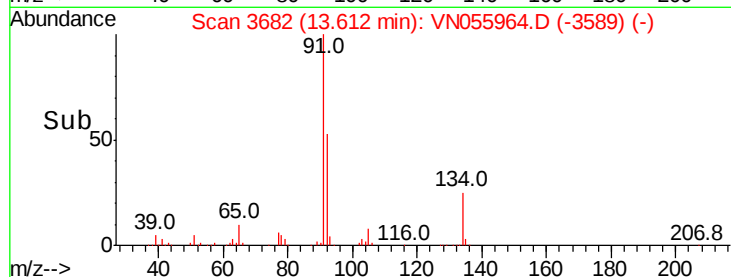
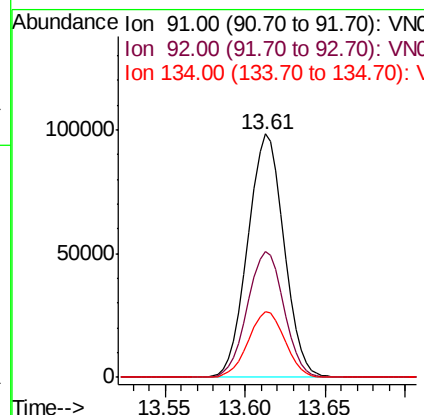
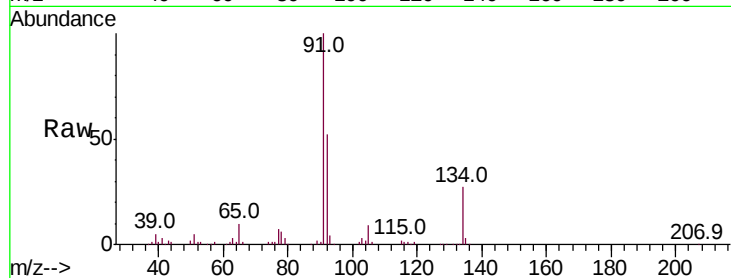
#89
n-Butylbenzene
Concen: 17.808 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.4	79.0
134	27.1	13.9	41.7

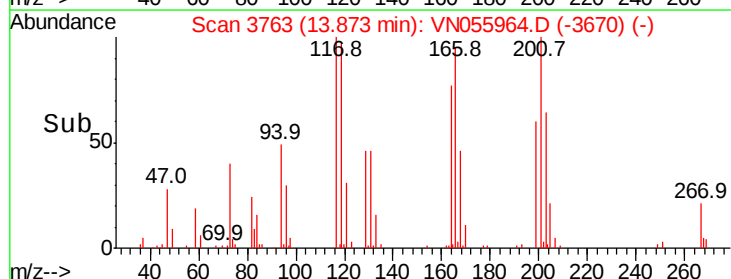
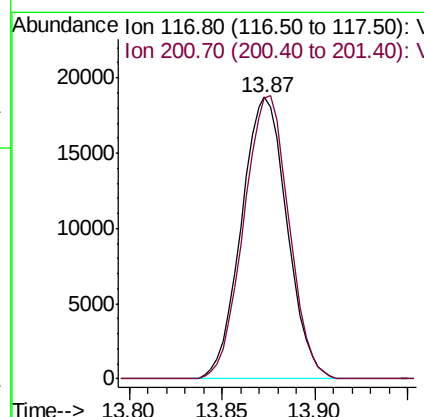
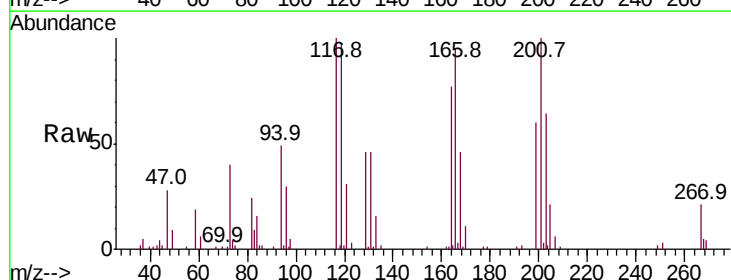
Manual Integrations
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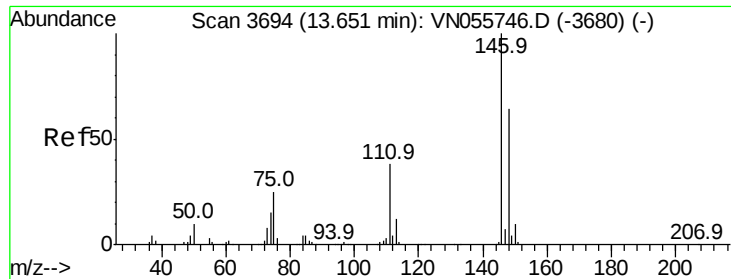
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#90
Hexachloroethane
Concen: 15.113 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.1	50.0	150.0





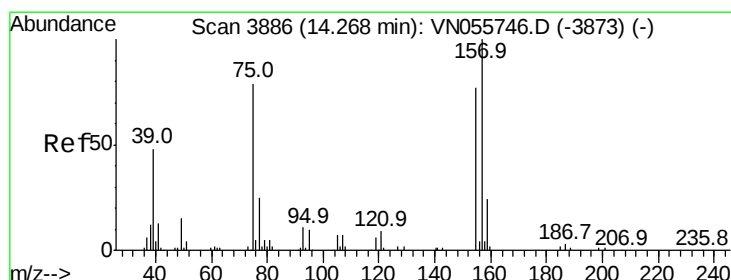
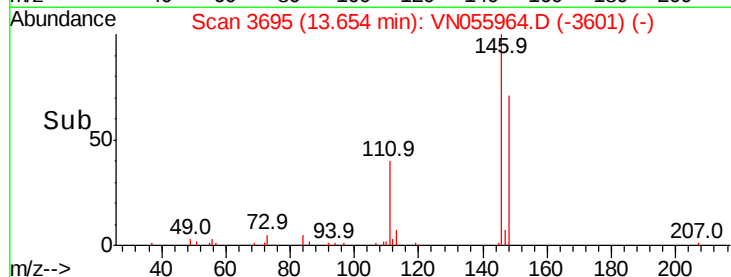
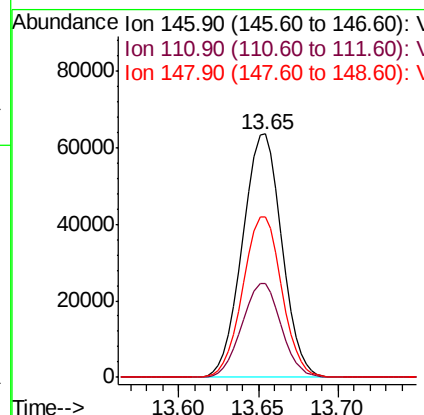
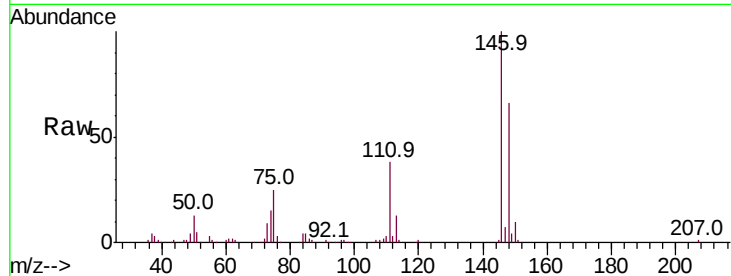
#91
 1,2-Dichlorobenzene
 Concen: 19.749 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	65.3	31.9	95.9

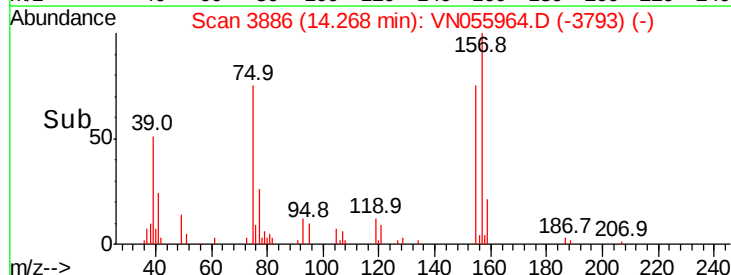
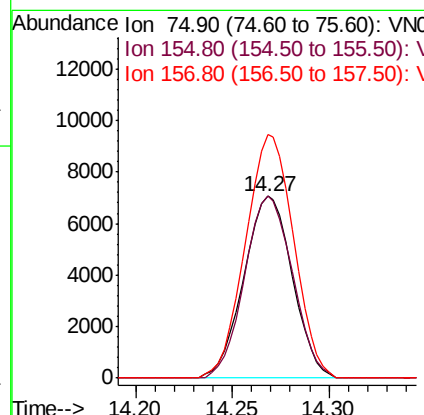
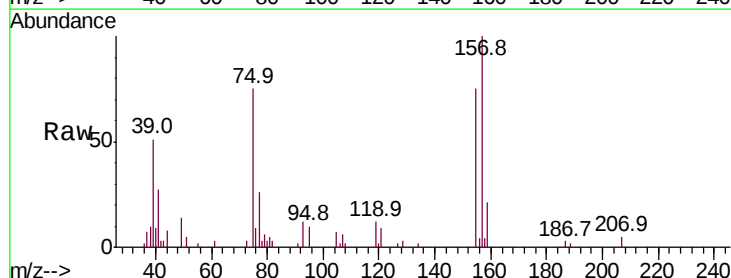
Manual Integrations
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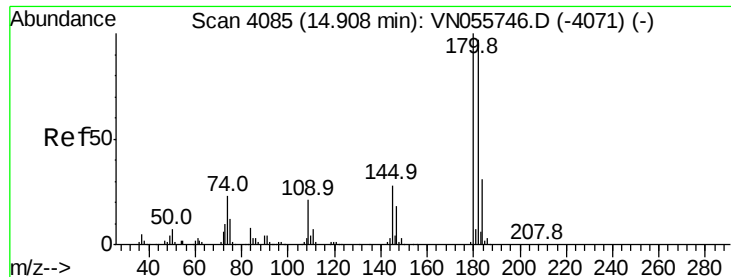
MMDadoda
 6/4/2019 11:24:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.379 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055964.D
 Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	50.0	150.1
157	132.8	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 17.045 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055964.D

Acq: 3 Jun 2019 16:20

Instrument :

MSVOA_N

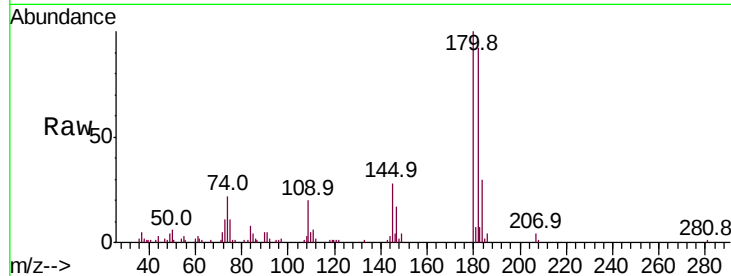
ClientSampleId :

VN0603MBS01

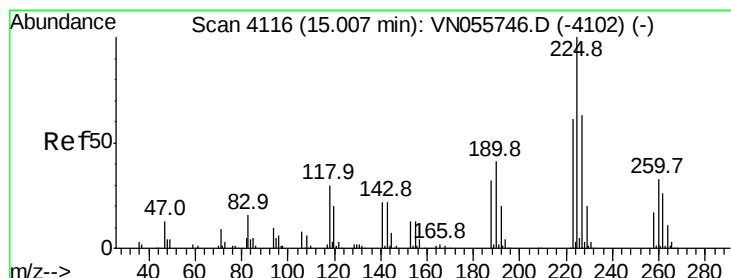
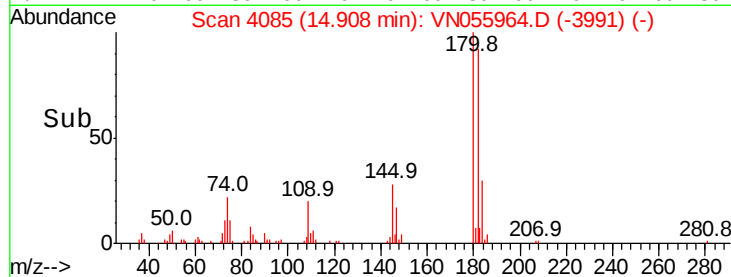
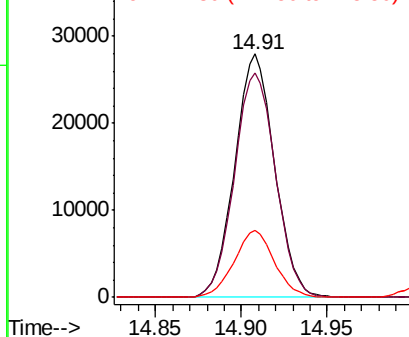
Tot Ion:	180	Resp:	44924
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.3	144.9
145	27.7	14.0	41.9

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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: 18.874 ug/l

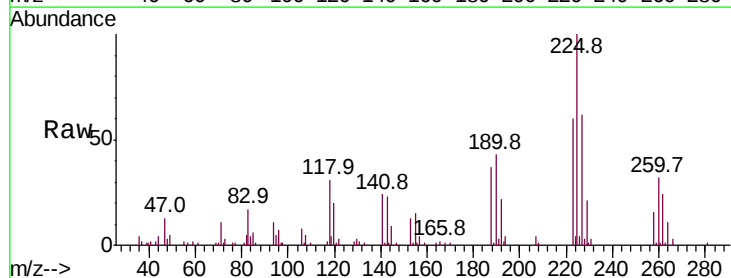
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

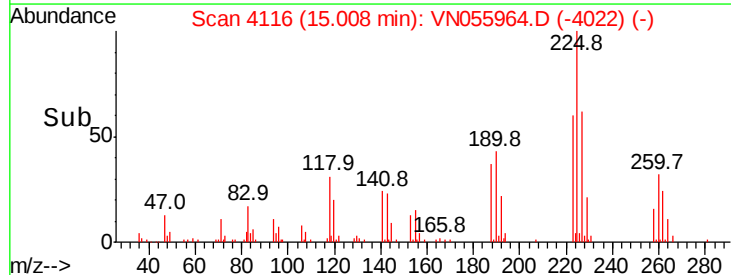
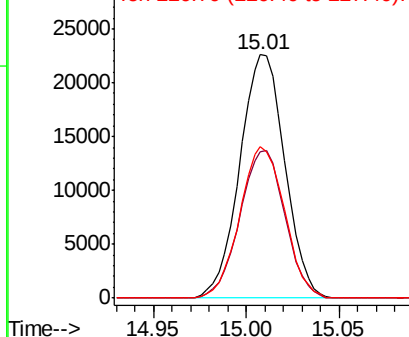
Lab File: VN055964.D

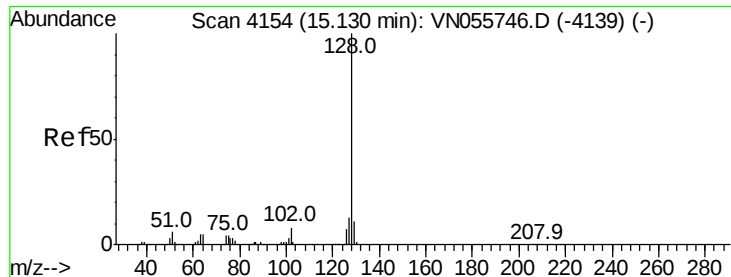
Acq: 3 Jun 2019 16:20

Tgt Ion:	225	Resp:	38029
Ion Ratio	Lower	Upper	
225	100		
223	60.6	30.9	92.7
227	61.9	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





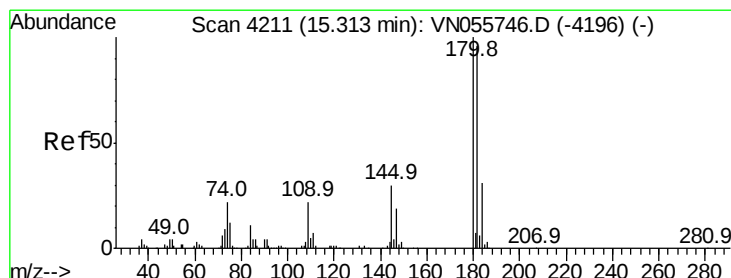
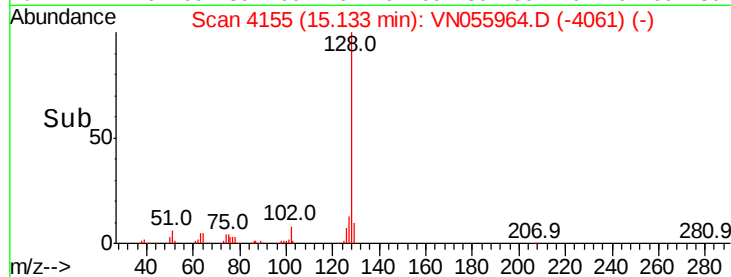
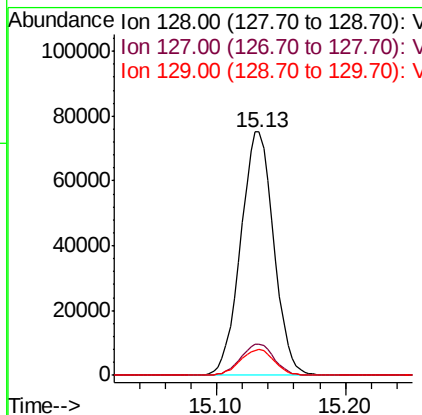
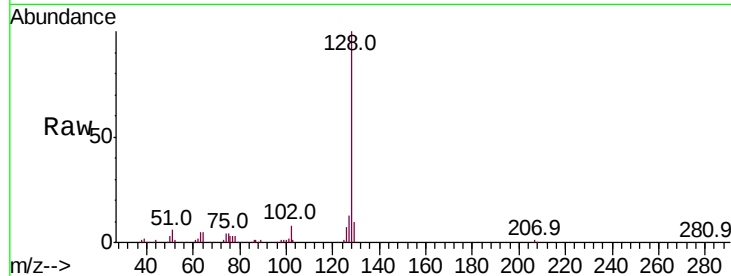
#95
Naphthalene
Concen: 18.091 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

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Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.505 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN055964.D
Acq: 3 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	29.4	14.9	44.7

