

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
 Data File : VN056001.D
 Acq On : 5 Jun 2019 11:36
 Operator : JC/SP
 Sample : VN0605WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0605WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 12:04:47 PM

Quant Time: Jun 06 01:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	353861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	514586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190696	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	177885	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.59	113	161278	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.09	98	621906	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.40	95	205411	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	76243	19.828	ug/l	97
3) Chloromethane	2.06	50	80524	20.992	ug/l	97
4) Vinyl Chloride	2.18	62	80495	20.920	ug/l	100
5) Bromomethane	2.53	94	53304	21.931	ug/l	99
6) Chloroethane	2.68	64	46303	20.755	ug/l	96
7) Trichlorofluoromethane	3.00	101	96759	19.698	ug/l	98
8) Diethyl Ether	3.40	74	40266	19.934	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	60300	20.209	ug/l	99
10) Methyl Iodide	3.94	142	89406	18.855	ug/l	99
11) Tert butyl alcohol	4.82	59	58984	96.469	ug/l	99
12) 1,1-Dichloroethene	3.72	96	59012	19.865	ug/l	95
13) Acrolein	3.60	56	15844	89.848	ug/l	99
14) Allyl chloride	4.31	41	89828	19.150	ug/l	99
15) Acrylonitrile	4.99	53	156638	105.239	ug/l	99
16) Acetone	3.82	43	147929	88.031	ug/l	98
17) Carbon Disulfide	4.04	76	132272	18.597	ug/l	100
18) Methyl Acetate	4.33	43	68081	20.282	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	190252	20.092	ug/l	99
20) Methylene Chloride	4.54	84	68084	19.666	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	62999	19.793	ug/l	95
22) Diisopropyl ether	5.95	45	189846	19.579	ug/l	98
23) Vinyl Acetate	5.90	43	771988	101.099	ug/l	99
24) 1,1-Dichloroethane	5.84	63	110354	19.730	ug/l	99
25) 2-Butanone	6.84	43	211351	99.546	ug/l	96
26) 2,2-Dichloropropane	6.82	77	80613	18.470	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	73338	19.602	ug/l	98
28) Bromochloromethane	7.19	49	53471	20.215	ug/l	96
29) Tetrahydrofuran	7.22	42	133857	101.994	ug/l	96
30) Chloroform	7.37	83	110227	19.590	ug/l	99
31) Cyclohexane	7.65	56	105738	18.966	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	91851	19.548	ug/l	100
36) 1,1-Dichloropropene	7.79	75	82812	18.716	ug/l	100
37) Ethyl Acetate	6.93	43	82658	20.996	ug/l	99
38) Carbon Tetrachloride	7.77	117	77974	19.114	ug/l	99

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Manual Integrations
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MMDadoda
 6/6/2019 12:04:47 PM

Quant Time: Jun 06 01:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	104926	19.036	ug/l	96
40) Benzene	8.04	78	265209	19.734	ug/l	99
41) Methacrylonitrile	7.18	41	41903	23.133	ug/l	96
42) 1,2-Dichloroethane	8.12	62	83938	19.417	ug/l	99
43) Isopropyl Acetate	8.17	43	125267	19.635	ug/l	97
44) Trichloroethene	8.83	130	74635	19.327	ug/l	99
45) 1,2-Dichloropropane	9.12	63	66560	19.336	ug/l	100
46) Dibromomethane	9.21	93	44125	19.603	ug/l	97
47) Bromodichloromethane	9.40	83	78974	19.358	ug/l	99
48) Methyl methacrylate	9.20	41	60484	19.379	ug/l	95
49) 1,4-Dioxane	9.20	88	27719	411.376	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	405108	101.543	ug/l	99
52) Toluene	10.15	92	168366	20.133	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	81255	18.571	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	97417	19.865	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	65107	19.655	ug/l	98
56) Ethyl methacrylate	10.43	69	98346	20.351	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107844	20.027	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	164316	95.530	ug/l	99
59) 2-Hexanone	10.75	43	284384	98.351	ug/l	99
60) Dibromochloromethane	10.90	129	63060	18.866	ug/l	98
61) 1,2-Dibromoethane	11.00	107	68514	20.232	ug/l	98
64) Tetrachloroethene	10.63	164	76636	19.256	ug/l	99
65) Chlorobenzene	11.43	112	177632	19.412	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	62500	19.781	ug/l	99
67) Ethyl Benzene	11.51	91	310692	19.527	ug/l	99
68) m/p-Xylenes	11.62	106	239736	39.441	ug/l	98
69) o-Xylene	11.95	106	119519	19.990	ug/l	98
70) Styrene	11.96	104	189484	19.946	ug/l	100
71) Bromoform	12.13	173	42964	18.051	ug/l #	97
73) Isopropylbenzene	12.25	105	311895	21.570	ug/l	100
74) N-amyl acetate	12.07	43	107334	21.115	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	90608	20.468	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	74676m	21.282	ug/l	
77) Bromobenzene	12.53	156	81910	20.062	ug/l	97
78) n-propylbenzene	12.59	91	321111	19.904	ug/l	100
79) 2-Chlorotoluene	12.67	91	198005	20.770	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	253856	19.799	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20505	19.461	ug/l	90
82) 4-Chlorotoluene	12.77	91	186065	19.714	ug/l	100
83) tert-Butylbenzene	12.99	119	227162	21.267	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	244673	20.123	ug/l	99
85) sec-Butylbenzene	13.17	105	283499	19.843	ug/l	100
86) p-Isopropyltoluene	13.29	119	251268	19.651	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	123754	19.585	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116609	19.184	ug/l	99
89) n-Butylbenzene	13.61	91	178497	18.845	ug/l	100
90) Hexachloroethane	13.87	117	36816	19.092	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	124408	19.501	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13119	20.719	ug/l	97

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Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

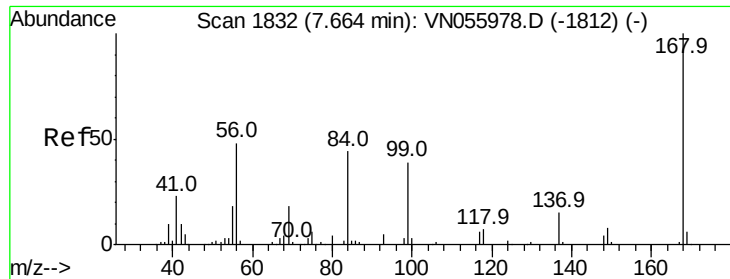
Manual Integrations
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6/6/2019 12:04:47 PM

Quant Time: Jun 06 01:40:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49654	17.188	ug/l	99
94) Hexachlorobutadiene	15.01	225	45130	19.347	ug/l	97
95) Naphthalene	15.13	128	138116	17.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57174	18.022	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0605WBS01

Tot Ion:168 Resp: 353861

Ion Ratio Lower Upper

168 100

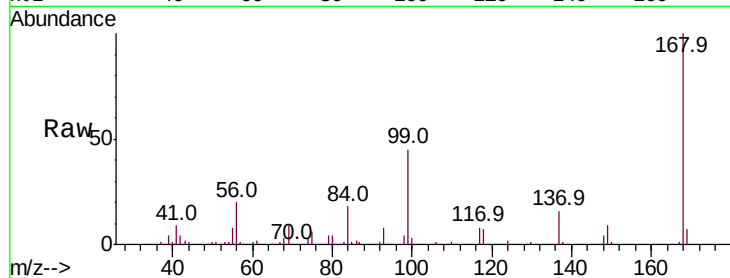
99 45.2 37.2 55.8

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

150000

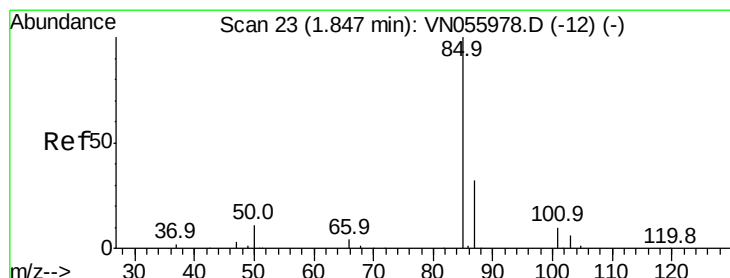
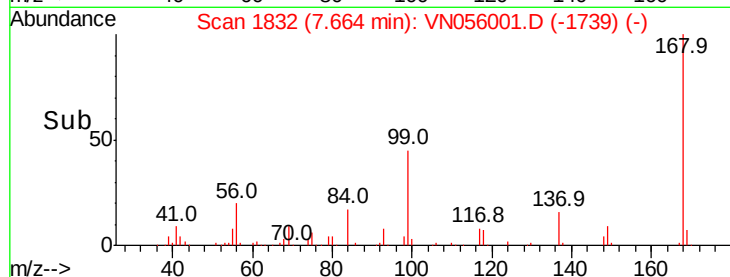
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50000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 19.828 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056001.D

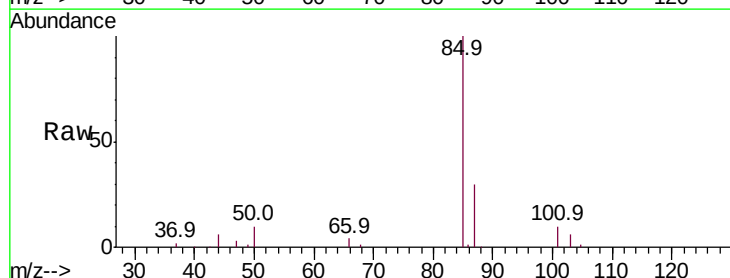
Acq: 5 Jun 2019 11:36

Tgt Ion: 85 Resp: 76243

Ion Ratio Lower Upper

85 100

87 30.3 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

60000

50000

40000

30000

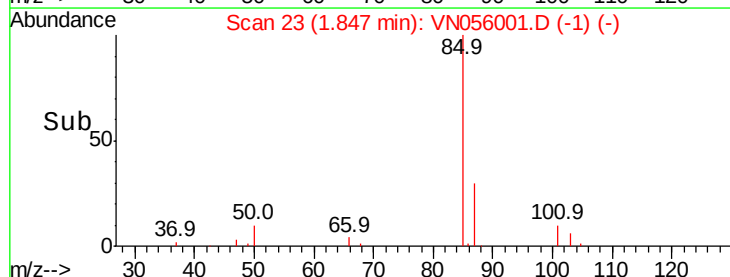
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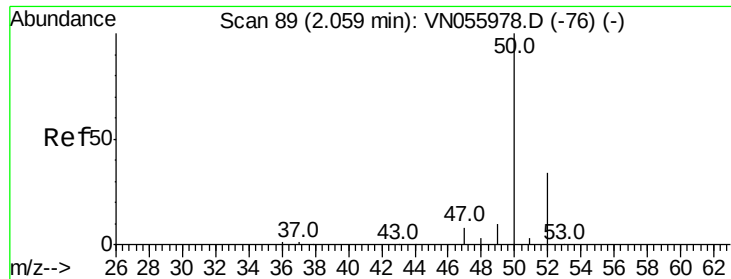
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Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 20.992 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0605WBS01

Tot Ion: 50 Resp: 80524

Ion Ratio Lower Upper

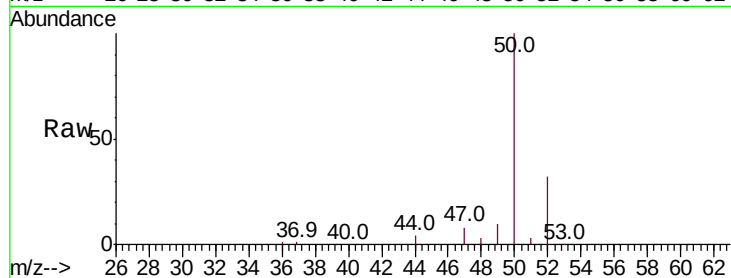
50 100

52 31.8 26.6 40.0

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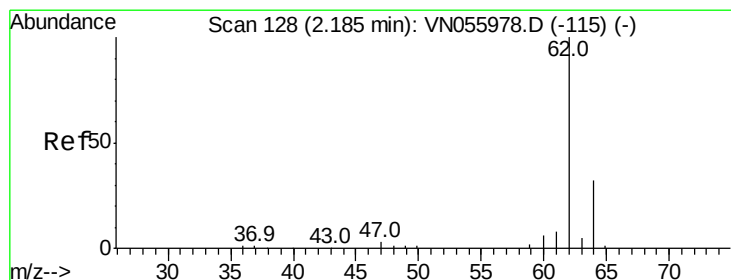
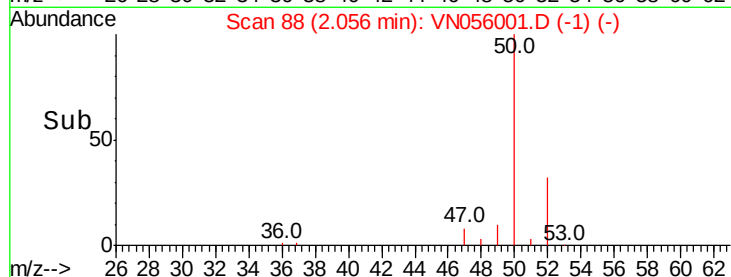
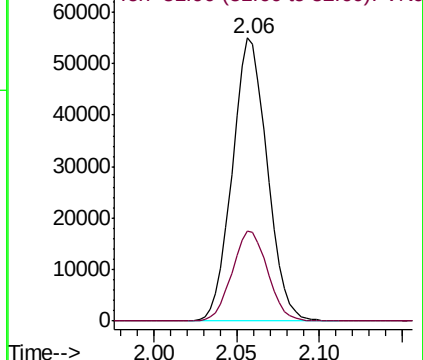
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.920 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056001.D

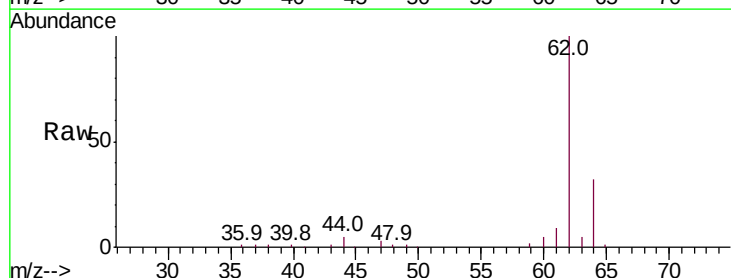
Acq: 5 Jun 2019 11:36

Tgt Ion: 62 Resp: 80495

Ion Ratio Lower Upper

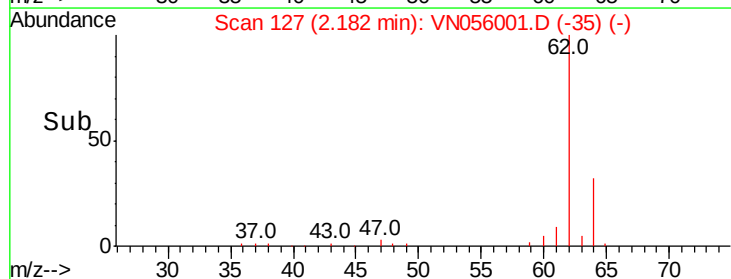
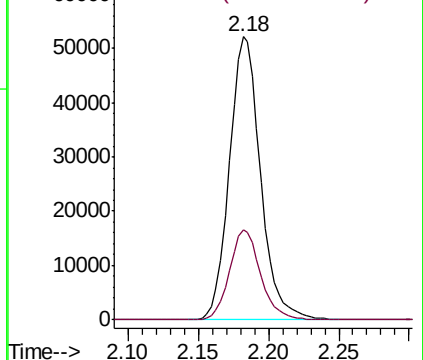
62 100

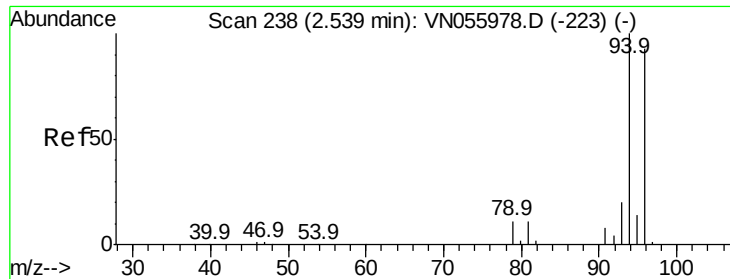
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





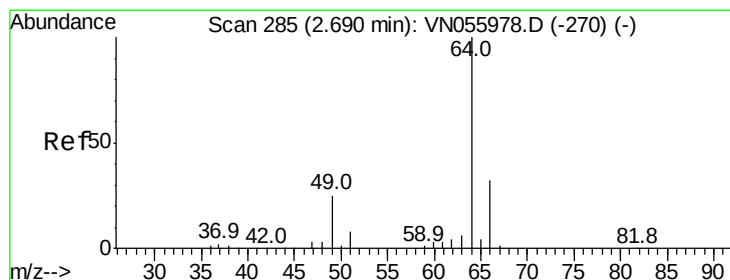
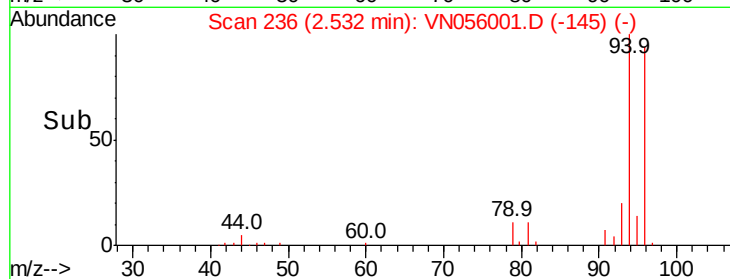
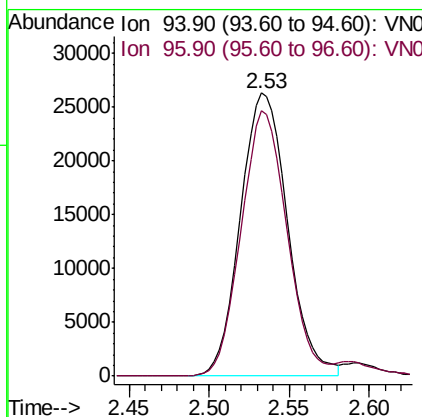
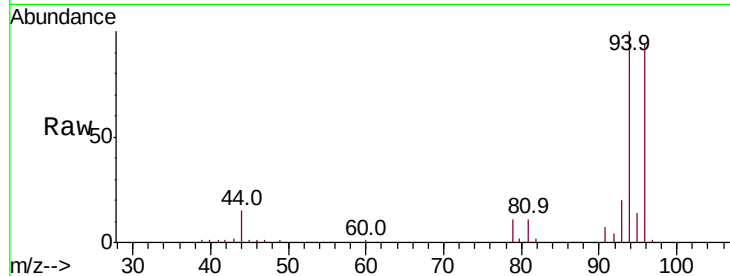
#5
Bromomethane
Concen: 21.931 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.01 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

Tot Ion: 94 Resp: 53304
Ion Ratio Lower Upper
94 100
96 93.8 75.5 113.3

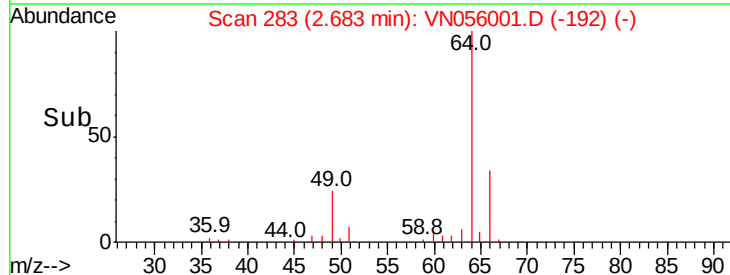
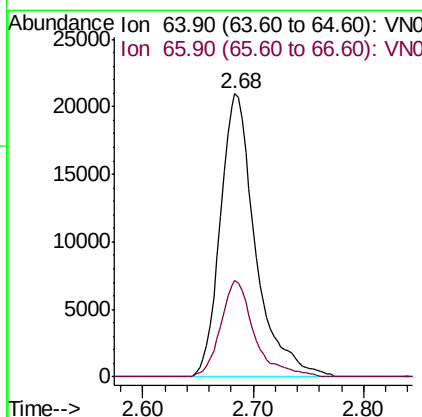
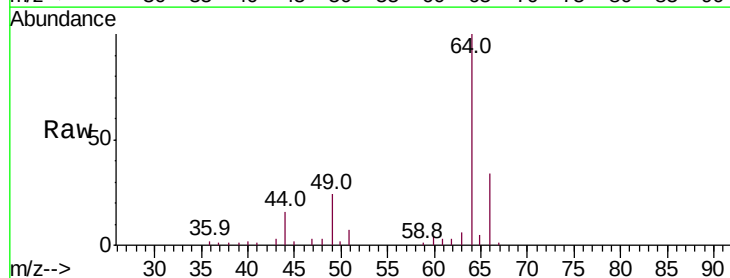
Manual Integrations
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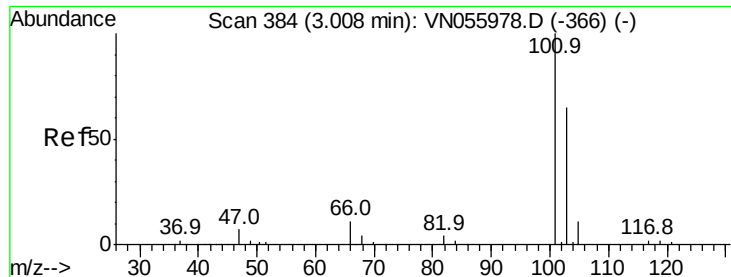
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#6
Chloroethane
Concen: 20.755 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 64 Resp: 46303
Ion Ratio Lower Upper
64 100
66 34.1 25.4 38.0





#7

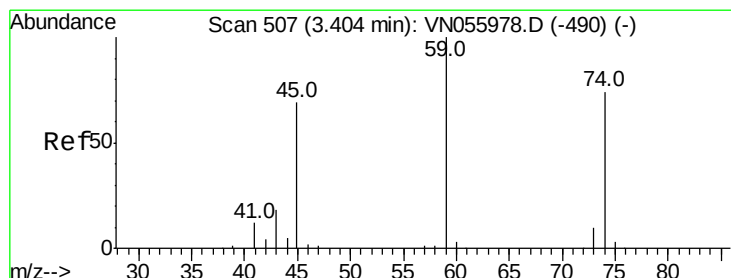
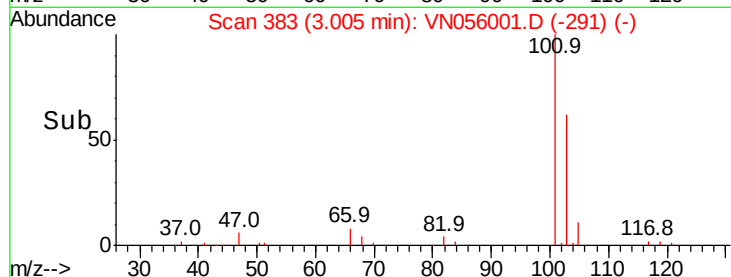
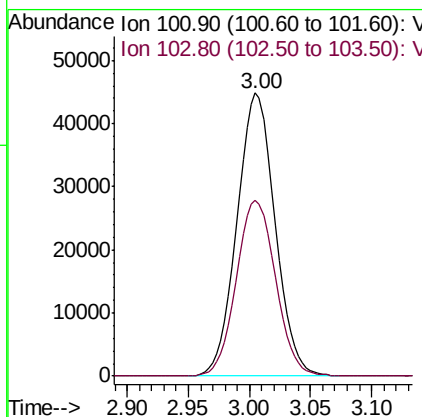
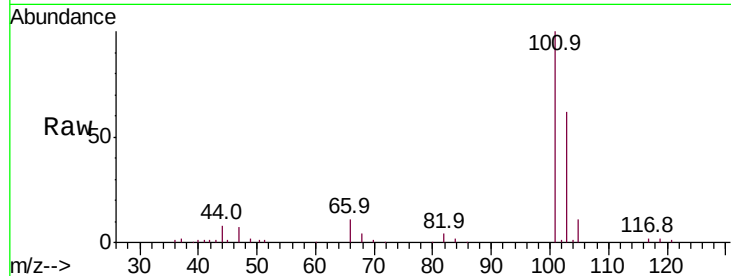
Trichlorofluoromethane
 Concen: 19.698 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0605WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.2	76.8

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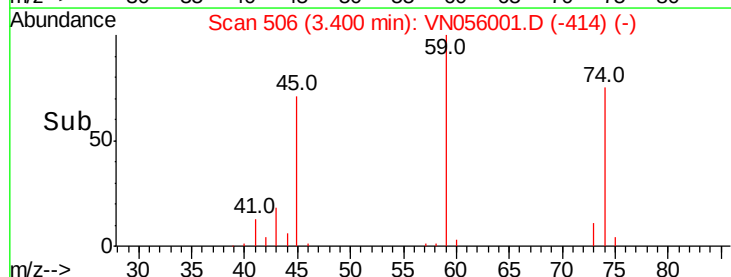
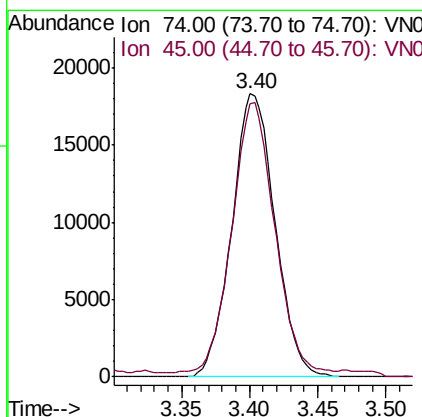
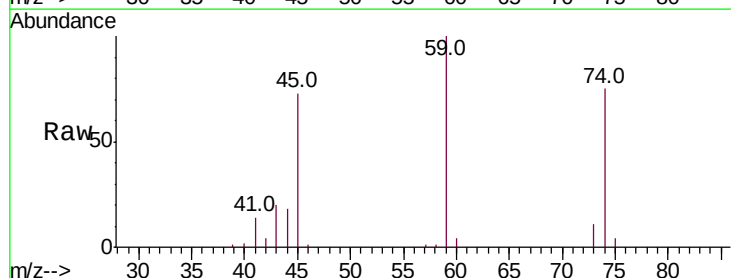
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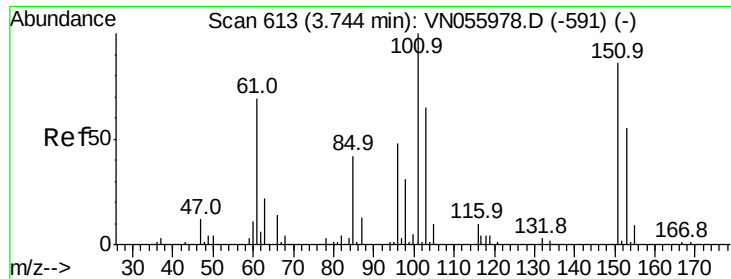


#8

Diethyl Ether
 Concen: 19.934 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.209 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

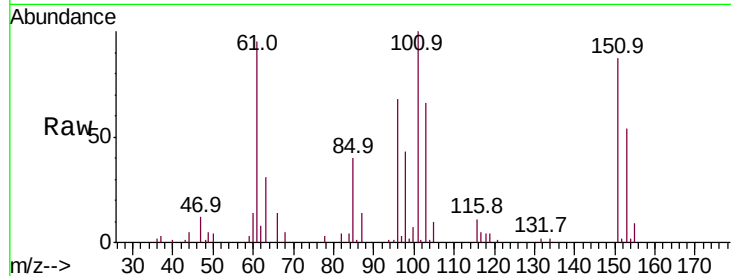
ClientSampled :

VN0605WBS01

Tot Ion:	101	Resp:	60300
Ion Ratio	Lower	Upper	
101	100		
85	40.2	33.4	50.2
151	86.6	69.4	104.2

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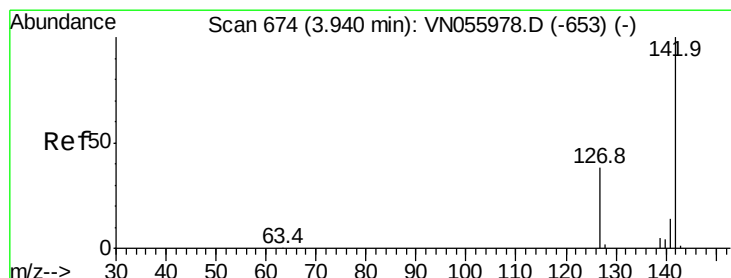
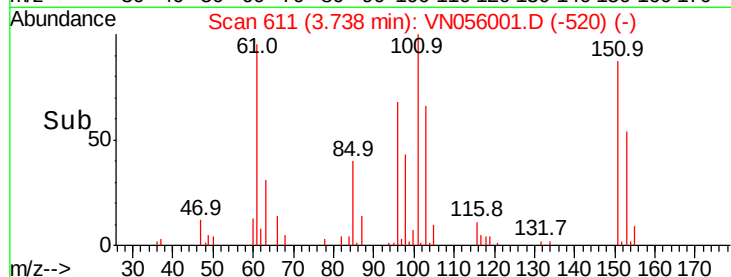
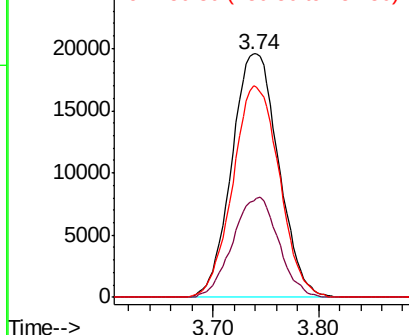


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.855 ug/l

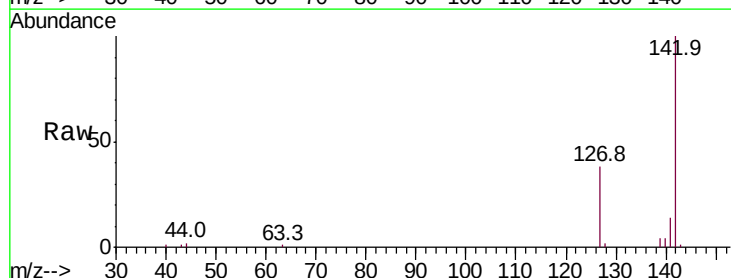
RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Tgt Ion:	142	Resp:	89406
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.4
141	14.0	11.4	17.0

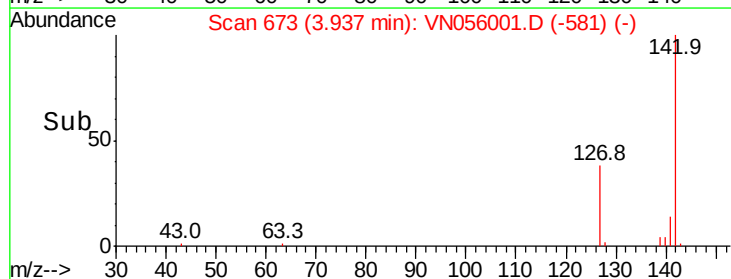
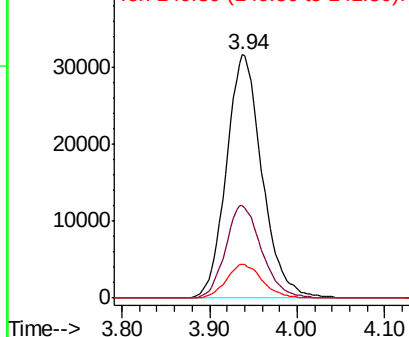


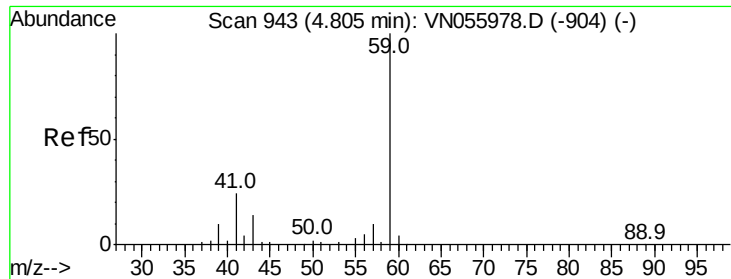
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

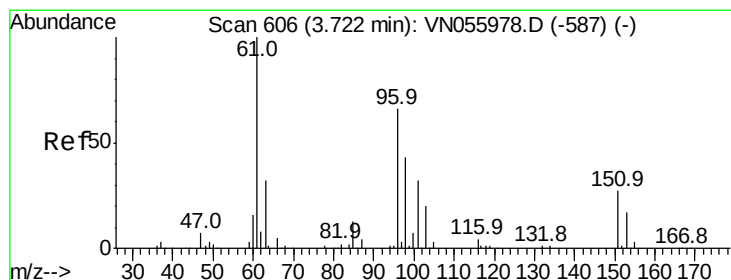
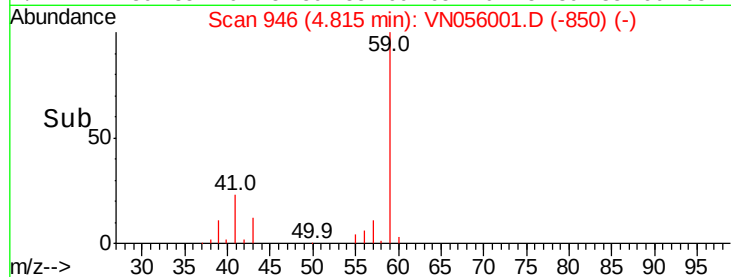
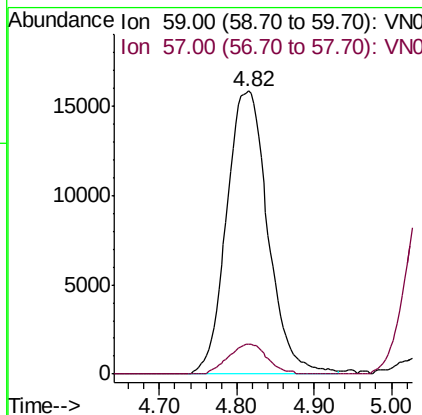
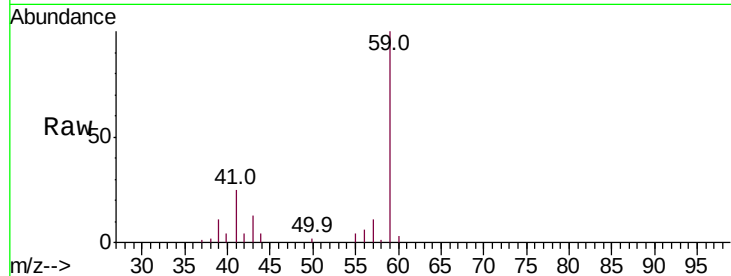
Tert butyl alcohol
Concen: 96.469 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

Tot Ion	59	Resp	58984
Ion Ratio	100	Lower	Upper
57	9.9	7.8	11.6

Manual Integrations
APPROVED

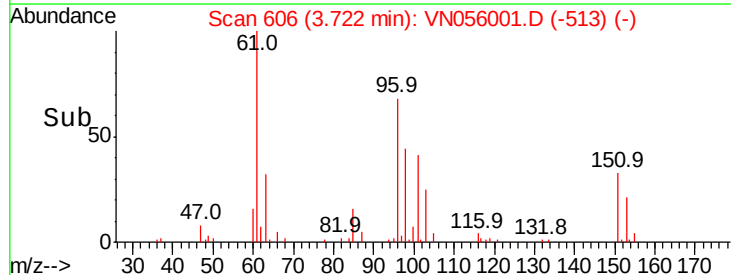
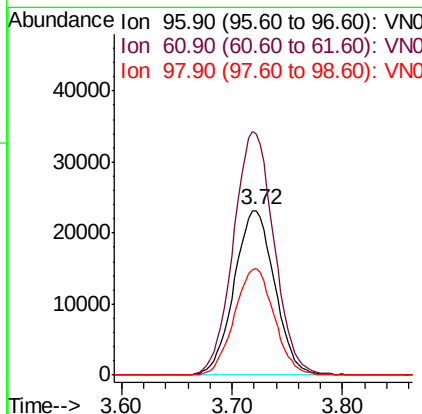
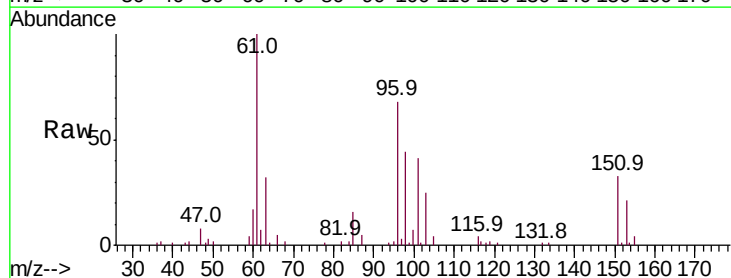
MMDadoda
6/6/2019 12:04:47 PM

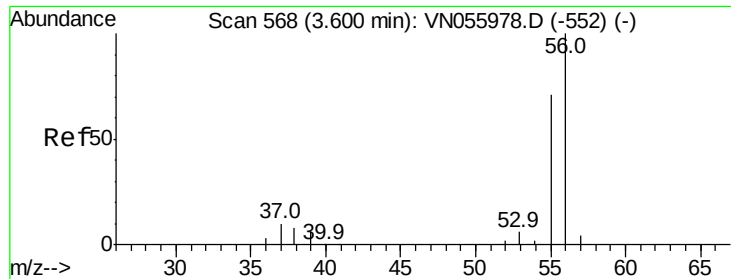


#12

1,1-Dichloroethene
Concen: 19.865 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	96	Resp	59012
Ion Ratio	100	Lower	Upper
61	146.2	123.2	184.8
98	64.5	50.4	75.6





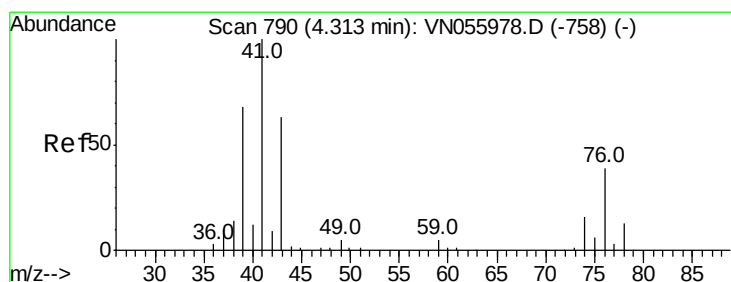
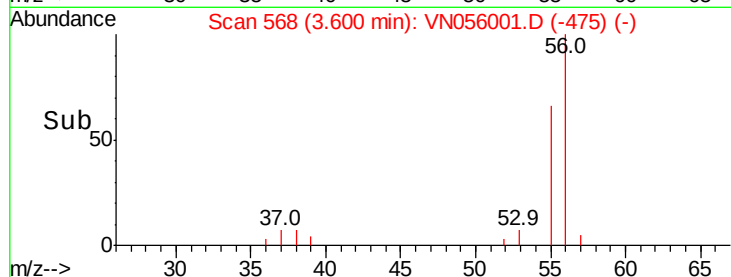
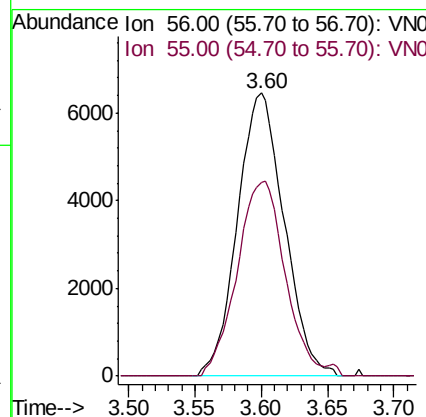
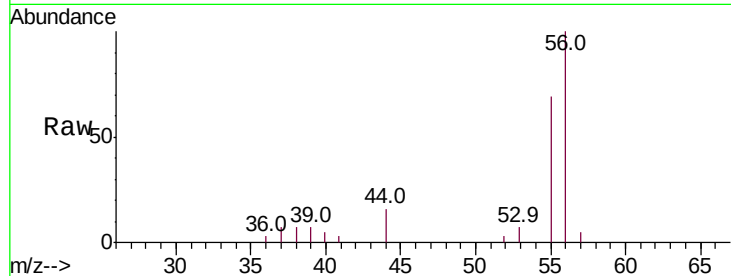
#13
Acrolein
Concen: 89.848 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0605WBS01

Tot Ion: 56 Resp: 15844
Ion Ratio Lower Upper
56 100
55 70.4 55.4 83.2

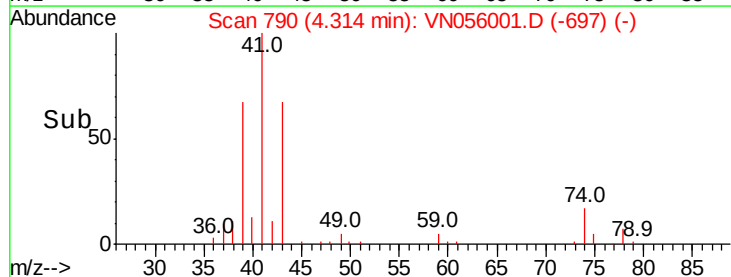
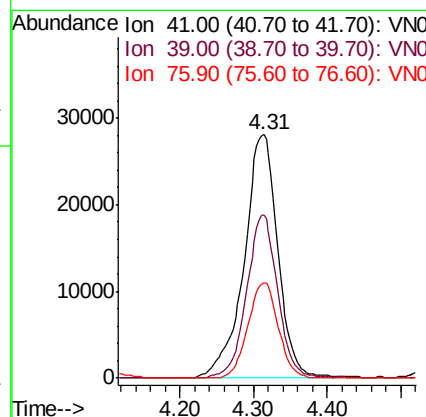
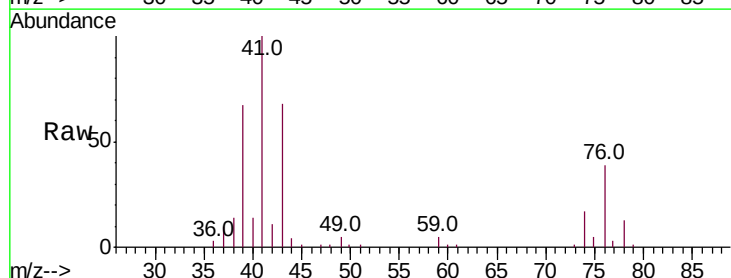
Manual Integrations
APPROVED

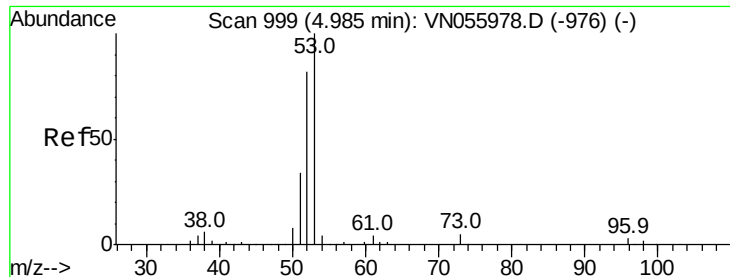
MMDadoda
6/6/2019 12:04:47 PM



#14
Allyl chloride
Concen: 19.150 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 41 Resp: 89828
Ion Ratio Lower Upper
41 100
39 61.2 50.0 75.0
76 35.0 28.2 42.2





#15

Acrylonitrile

Concen: 105.239 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

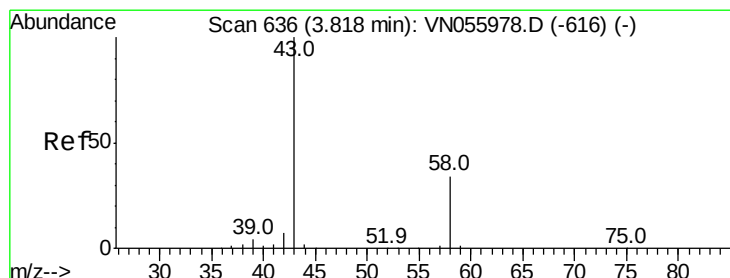
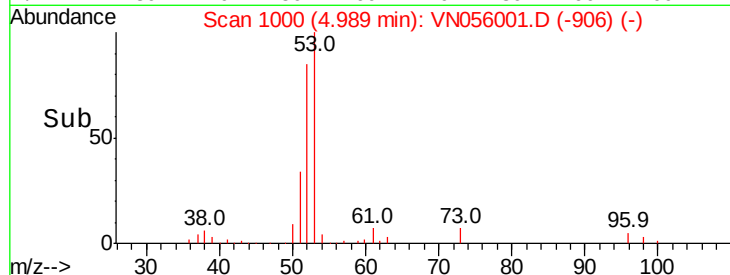
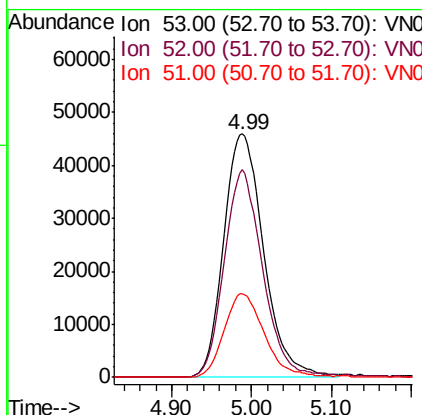
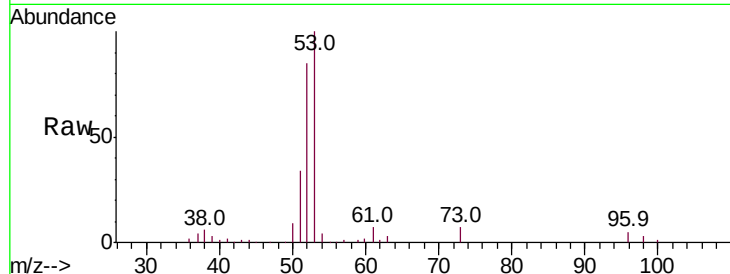
ClientSampleId :

VN0605WBS01

Tot Ion:	53	Resp:	156638
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.8	98.8
51	34.4	28.2	42.4

Manual Integrations
APPROVED

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#16

Acetone

Concen: 88.031 ug/l

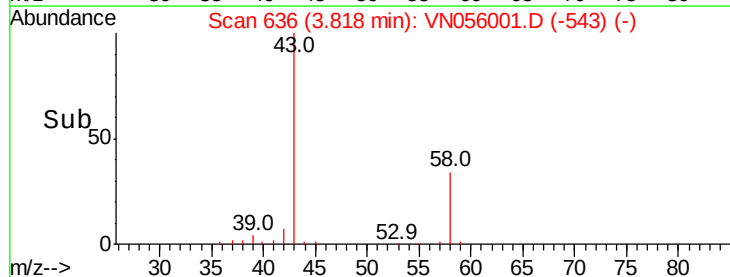
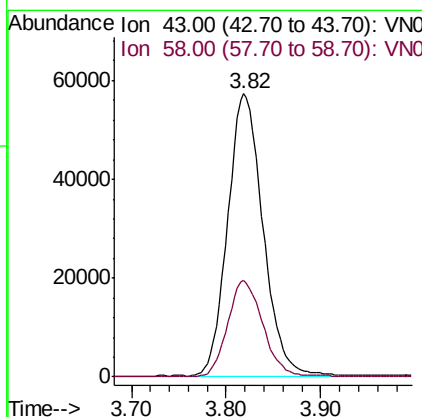
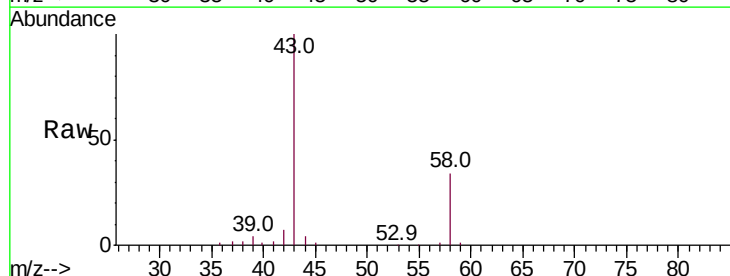
RT: 3.82 min Scan# 636

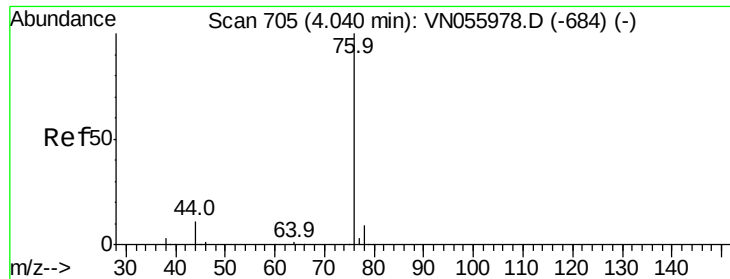
Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Tgt Ion:	43	Resp:	147929
Ion Ratio	Lower	Upper	
43	100		
58	34.3	26.6	39.8





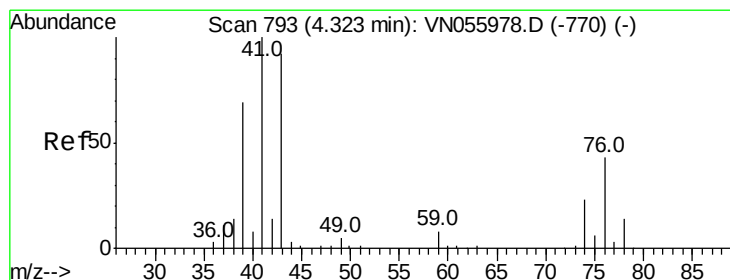
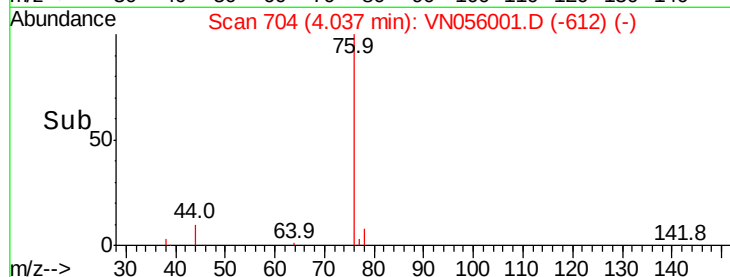
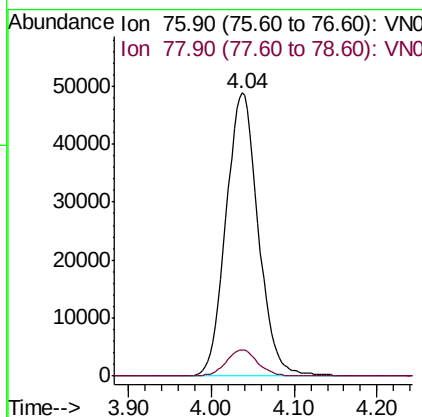
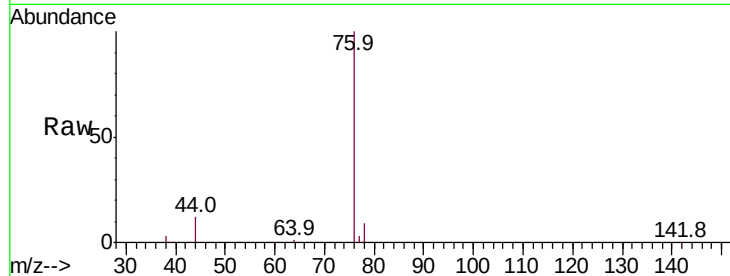
#17
Carbon Disulfide
Concen: 18.597 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

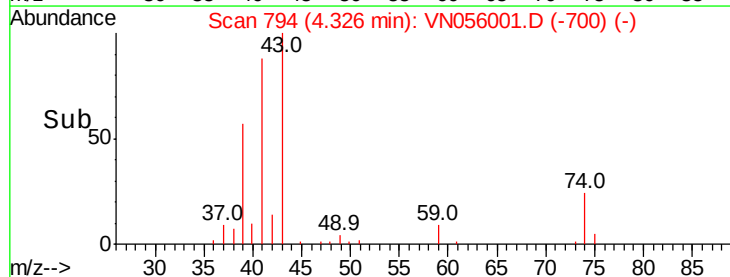
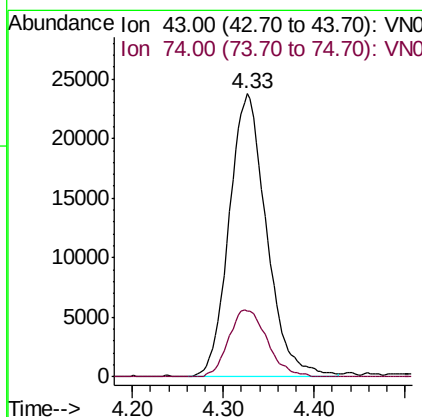
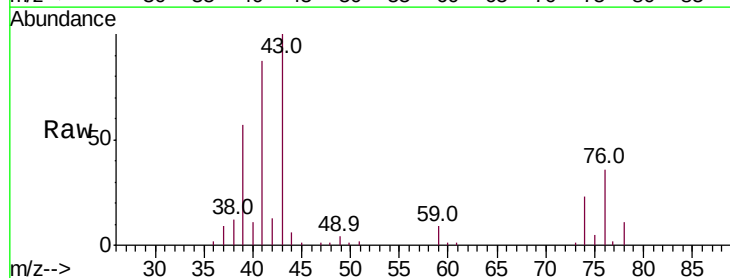
Manual Integrations
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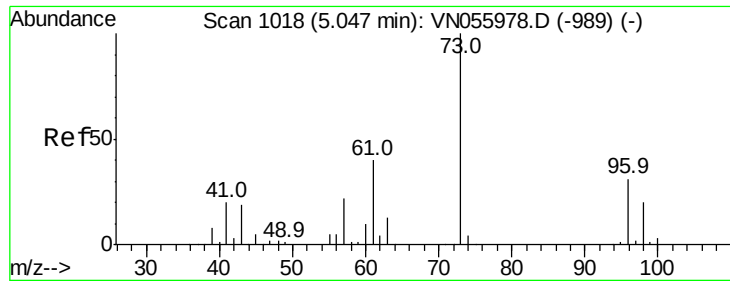
MMDadoda
6/6/2019 12:04:47 PM



#18
Methyl Acetate
Concen: 20.282 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.3	28.9





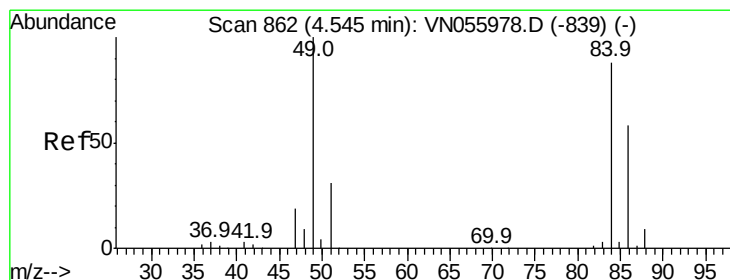
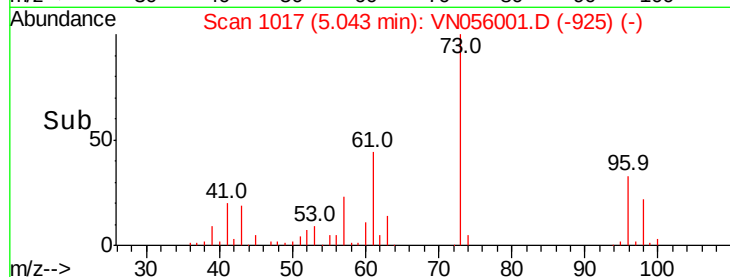
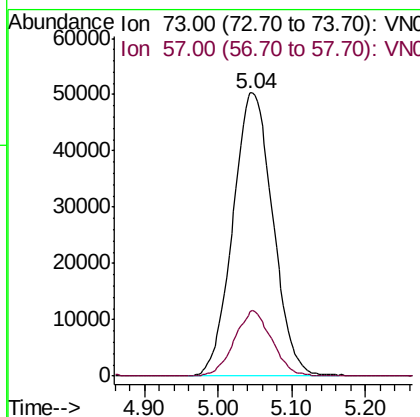
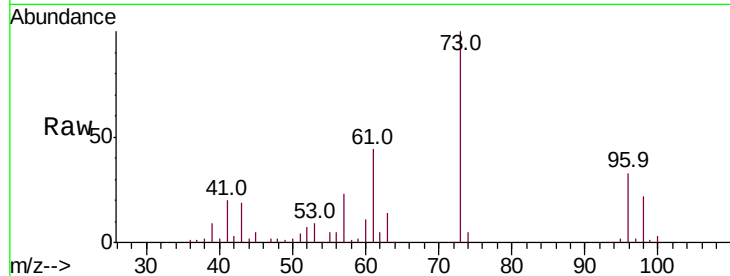
#19
Methyl tert-butyl Ether
Concen: 20.092 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0605WBS01

Tot Ion: 73 Resp: 190252
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.8

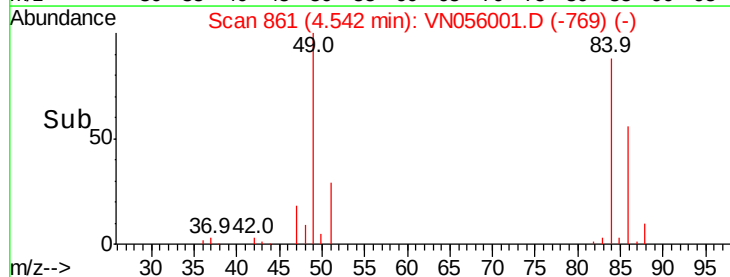
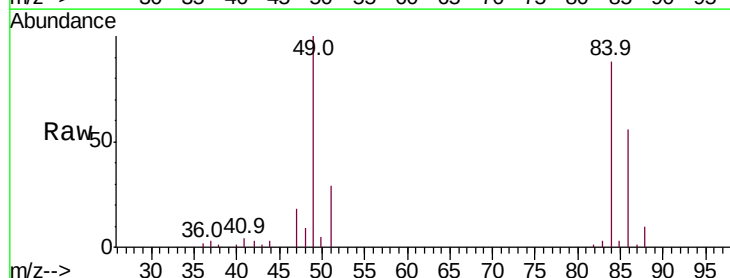
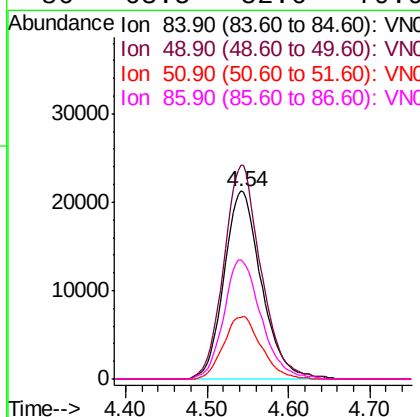
Manual Integrations
APPROVED

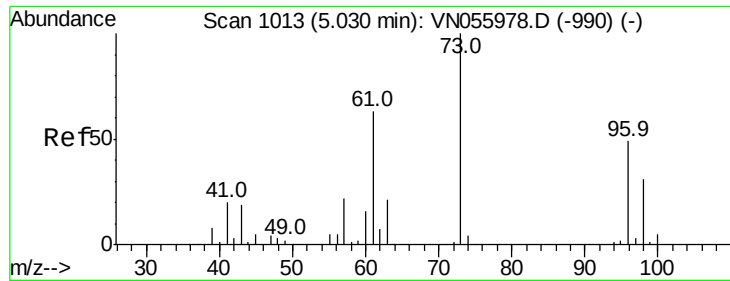
MMDadoda
6/6/2019 12:04:47 PM



#20
Methylene Chloride
Concen: 19.666 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 84 Resp: 68084
Ion Ratio Lower Upper
84 100
49 113.4 93.5 140.3
51 33.0 28.6 43.0
86 63.5 52.6 79.0





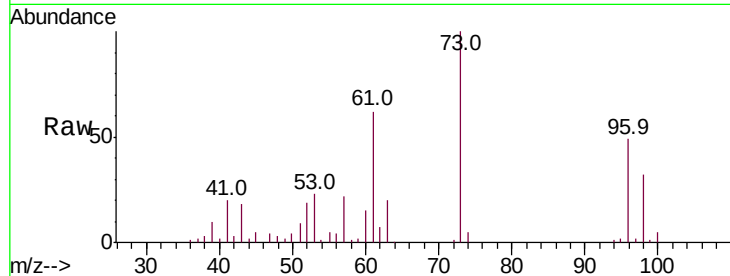
#21
trans-1,2-Dichloroethene
Concen: 19.793 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.6	107.8	161.8
98	64.1	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
6/6/2019 12:04:47 PM

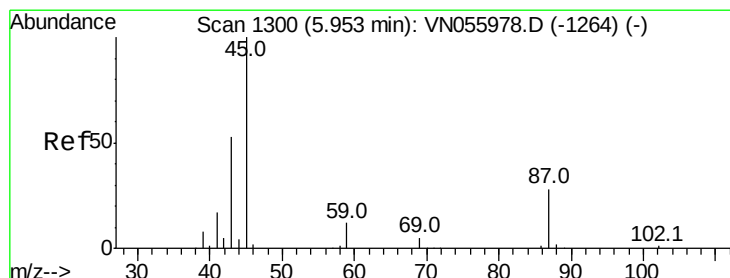
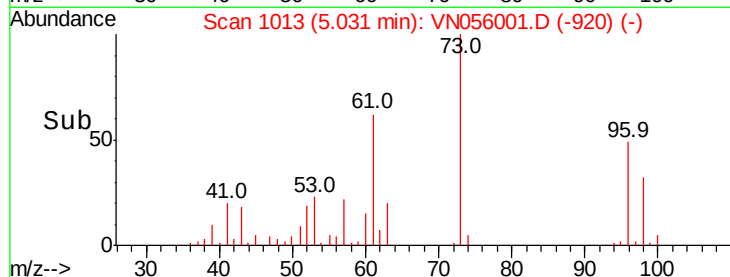
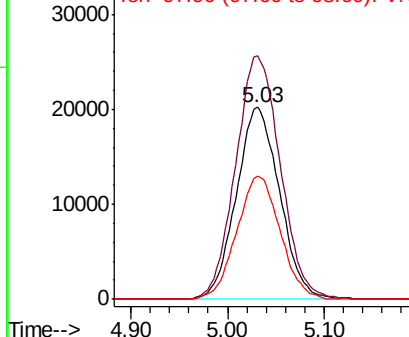


Abundance

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



#22
Diisopropyl ether
Concen: 19.579 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.0	67.6
87	29.1	22.2	33.4
59	11.9	9.1	13.7

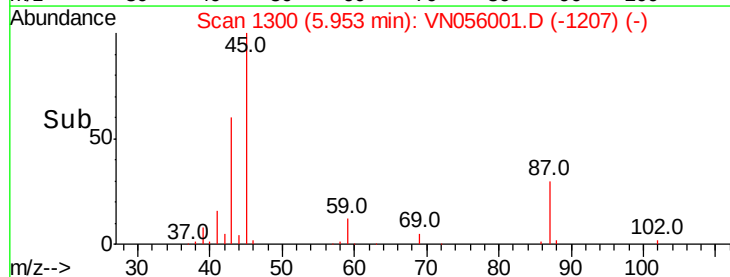
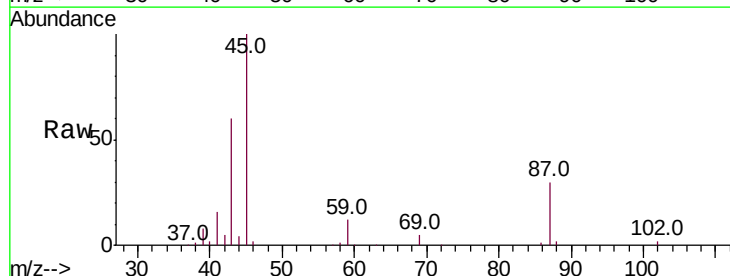
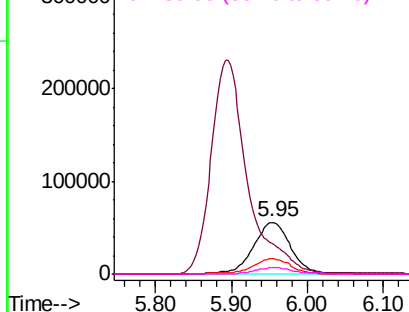
Abundance

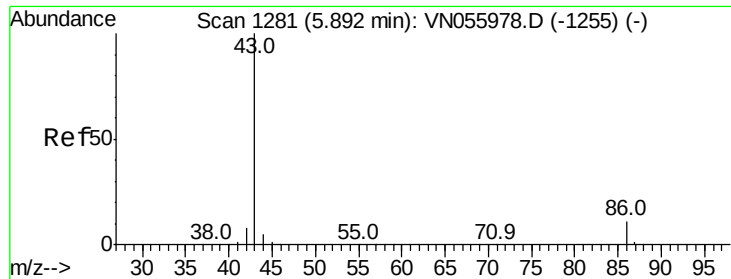
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





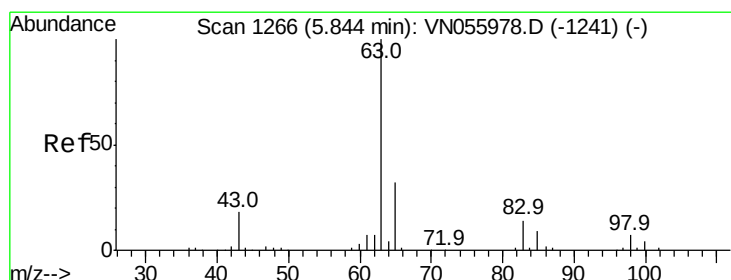
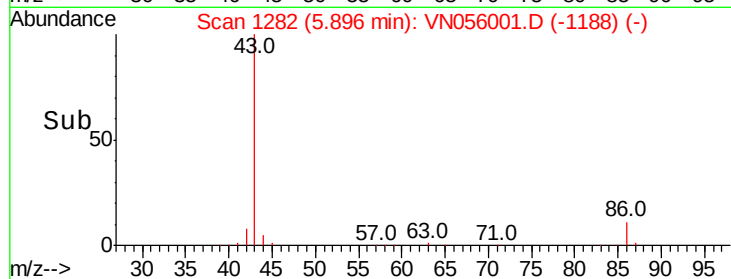
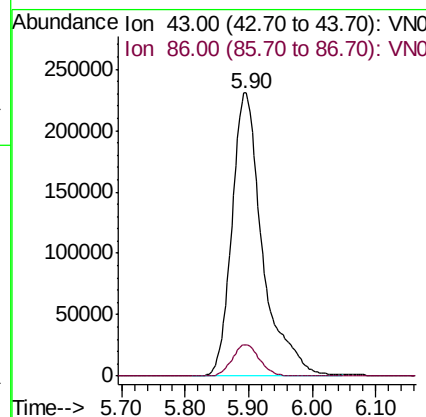
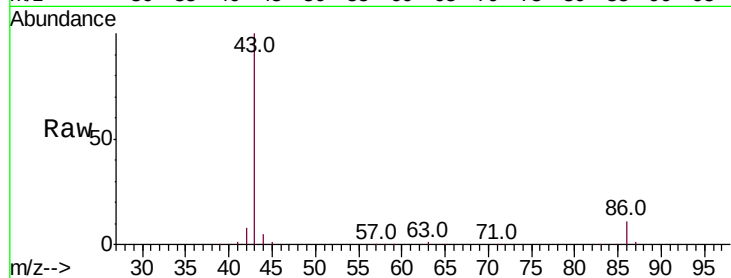
#23
Vinyl Acetate
Concen: 101.099 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0605WBS01

Tot Ion: 43 Resp: 771988
Ion Ratio Lower Upper
43 100
86 11.2 8.6 13.0

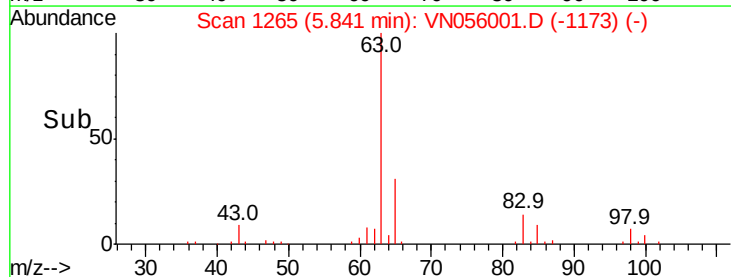
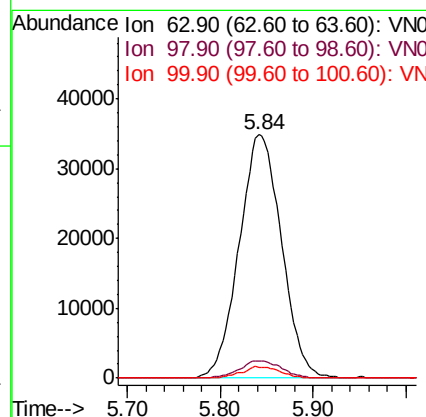
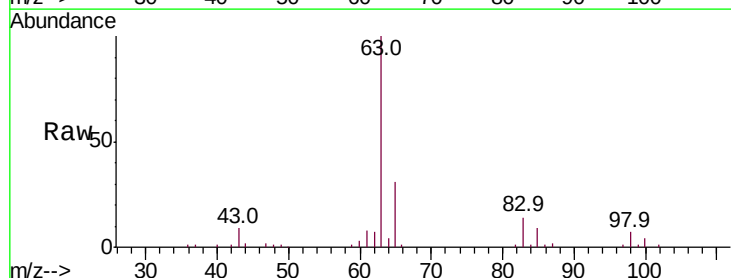
Manual Integrations
APPROVED

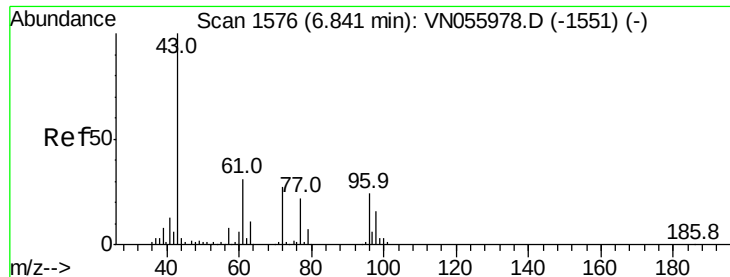
MMDadoda
6/6/2019 12:04:47 PM



#24
1,1-Dichloroethane
Concen: 19.730 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 63 Resp: 110354
Ion Ratio Lower Upper
63 100
98 7.1 3.4 10.1
100 4.5 2.2 6.6





#25

2-Butanone

Concen: 99.546 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0605WBS01

Tot Ion: 43 Resp: 211351

Ion Ratio Lower Upper

43 100

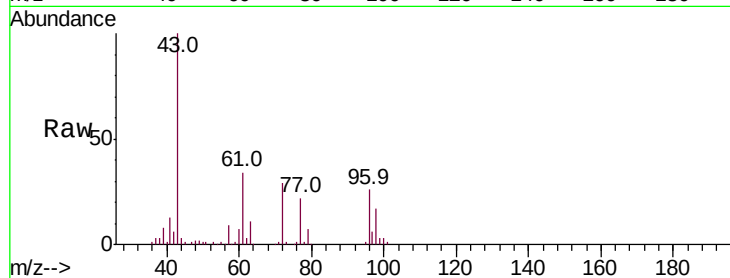
72 29.4 21.9 32.9

Manual Integrations

APPROVED

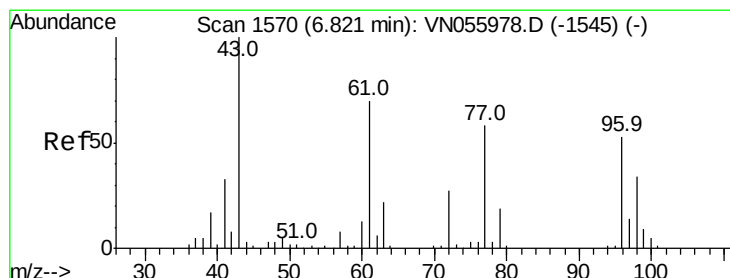
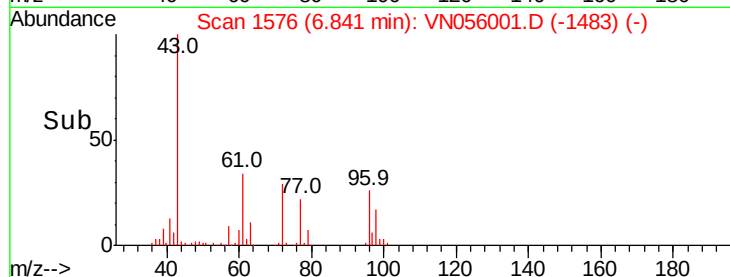
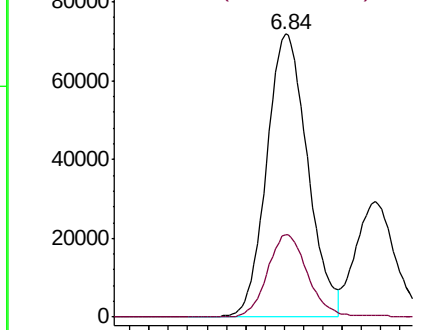
MMDadoda

6/6/2019 12:04:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.470 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056001.D

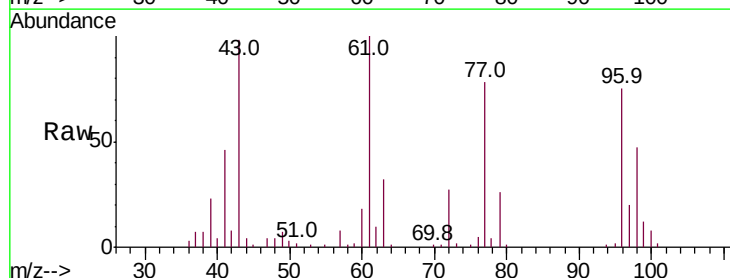
Acq: 5 Jun 2019 11:36

Tgt Ion: 77 Resp: 80613

Ion Ratio Lower Upper

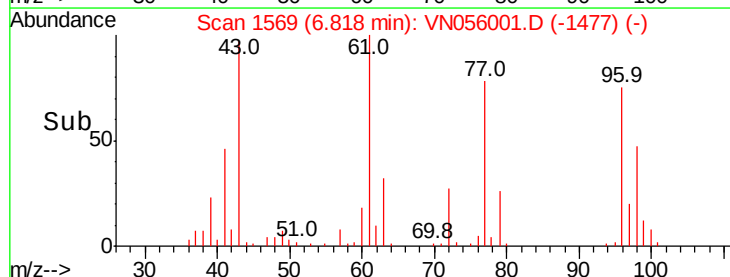
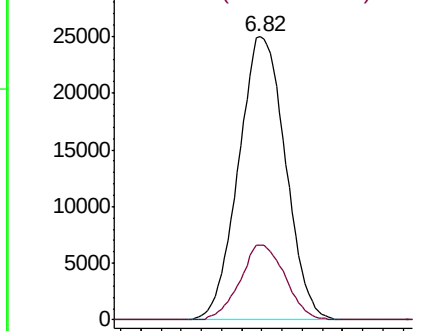
77 100

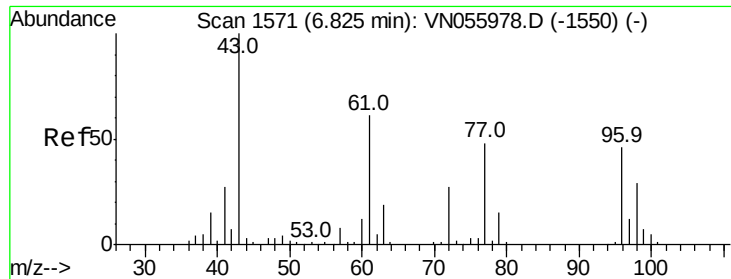
97 25.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.602 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0605WBS01

Tot Ion: 96 Resp: 73338

Ion Ratio Lower Upper

96 100

61 134.2 0.0 275.8

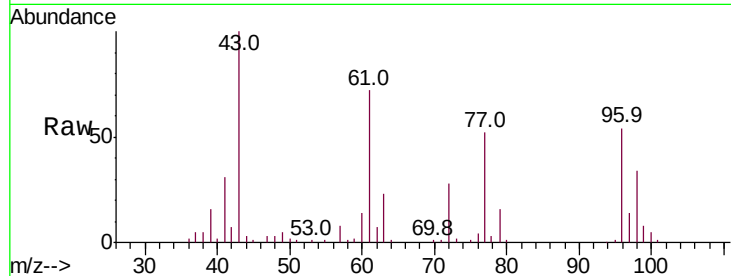
98 64.9 0.0 128.4

Manual Integrations

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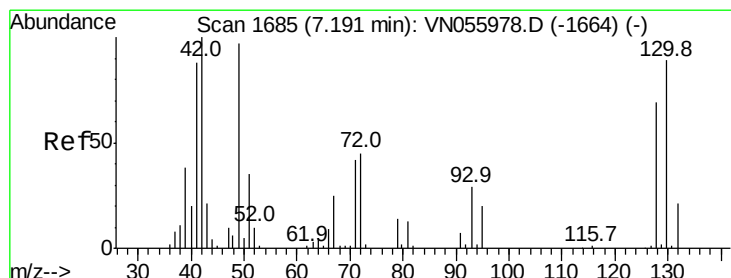
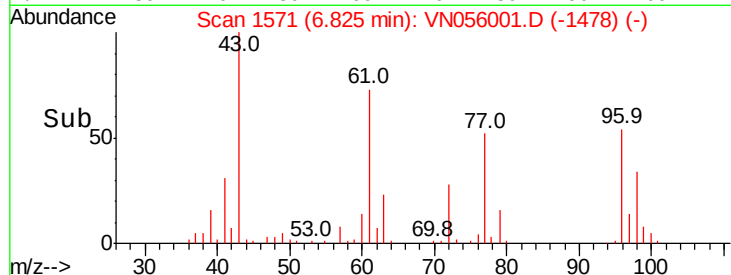
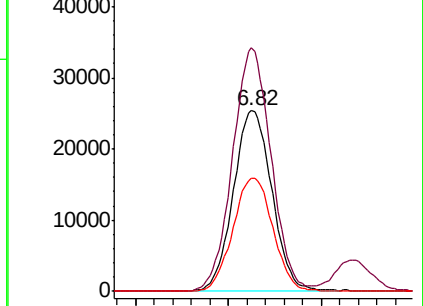
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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.215 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

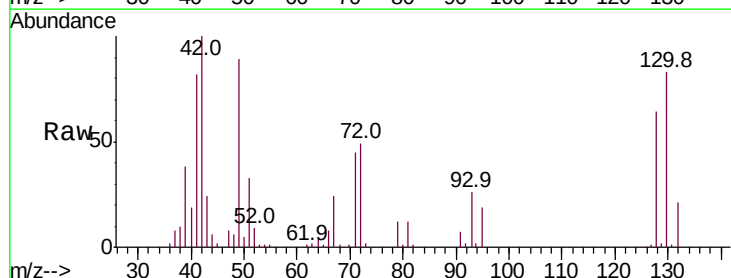
Tgt Ion: 49 Resp: 53471

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

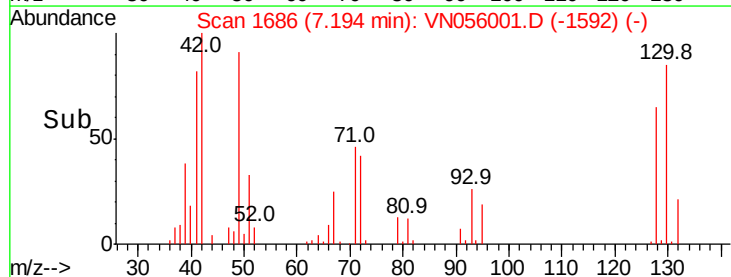
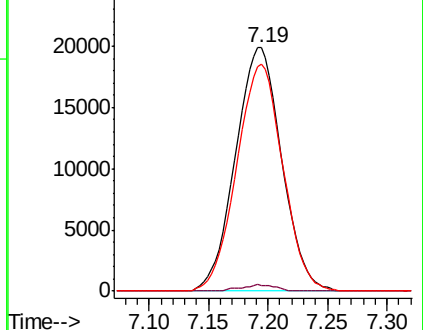
130 92.8 71.2 106.8

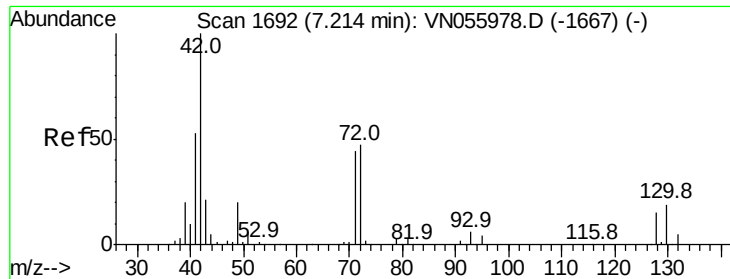


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





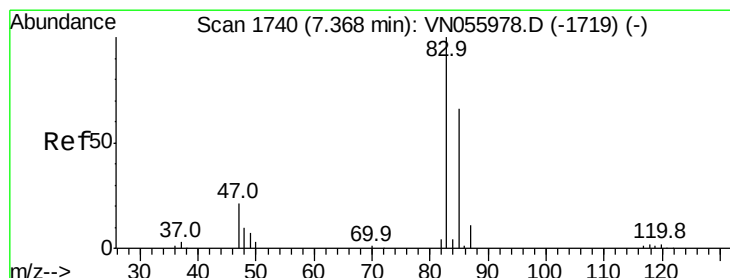
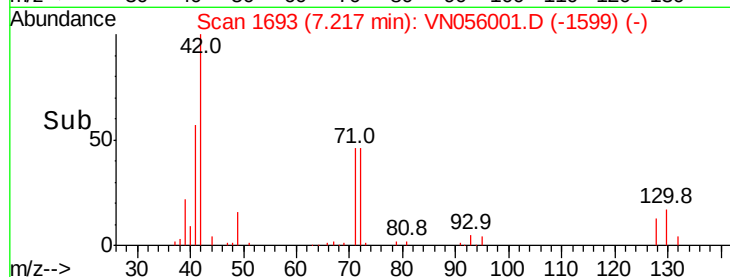
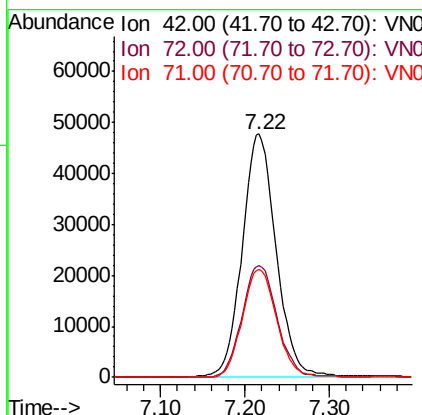
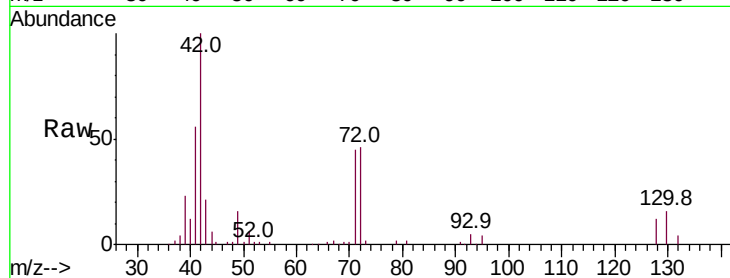
#29
Tetrahydrofuran
Concen: 101.994 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	35.9	53.9
71	44.8	34.0	51.0

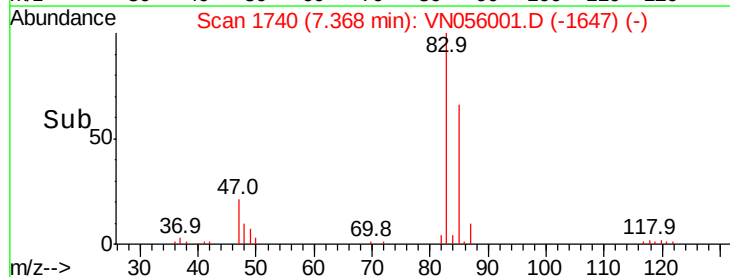
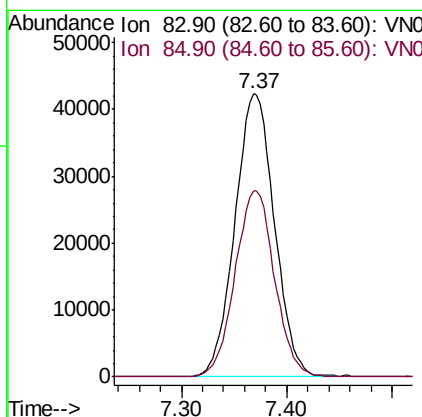
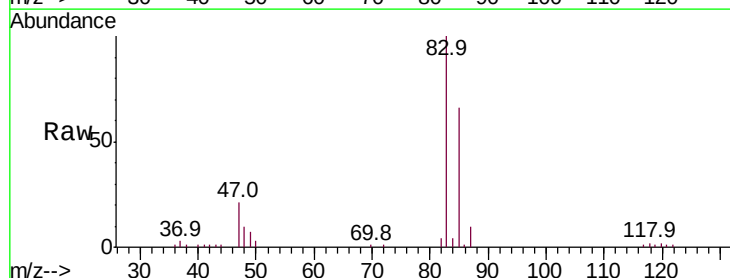
Manual Integrations
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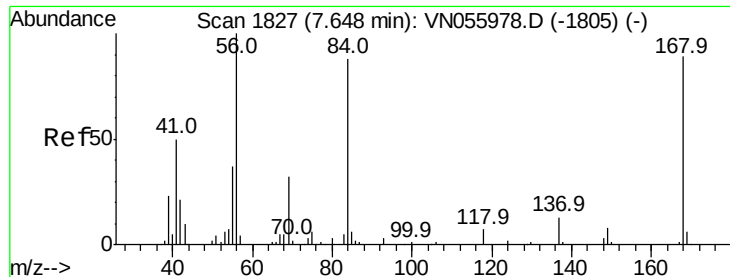
MMDadoda
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#30
Chloroform
Concen: 19.590 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8





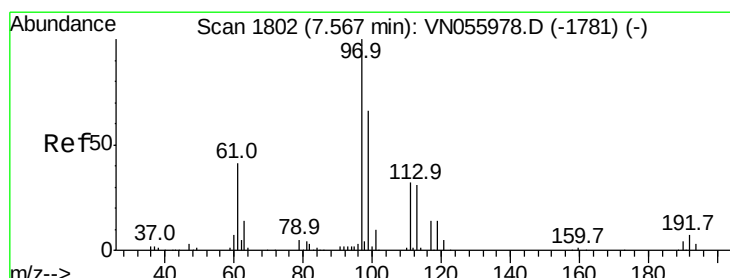
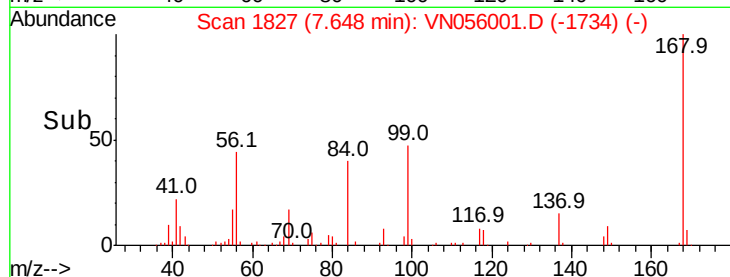
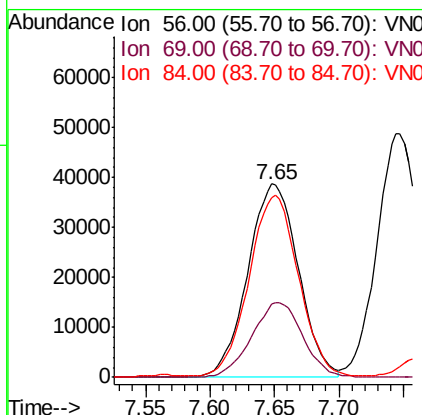
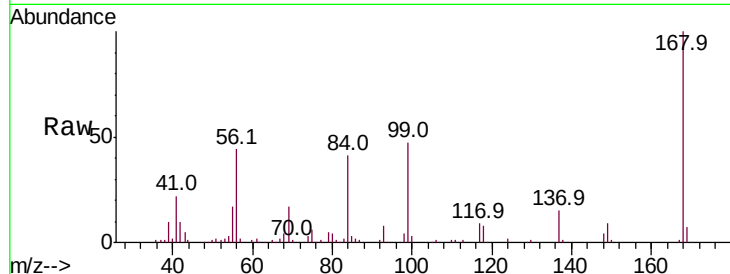
#31
Cyclohexane
Concen: 18.966 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0605WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.6	38.4
84	92.0	67.4	101.0

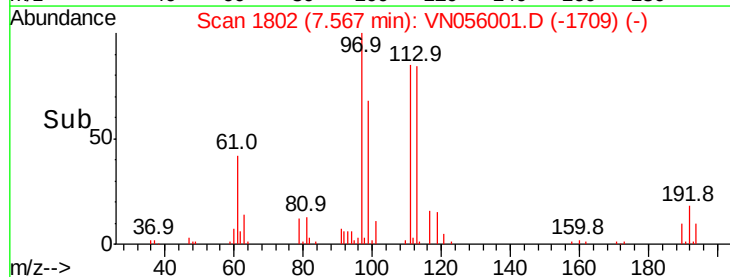
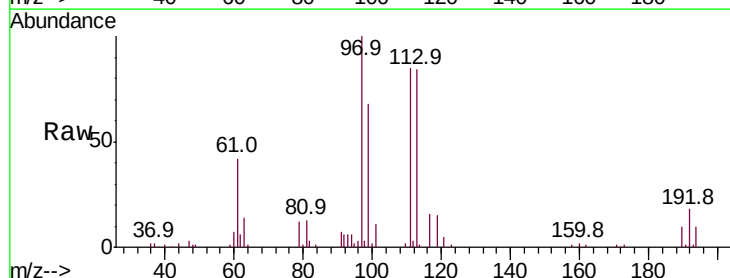
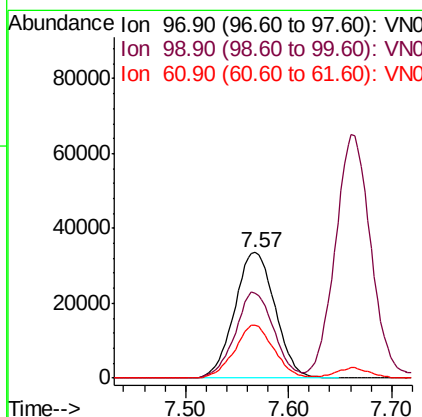
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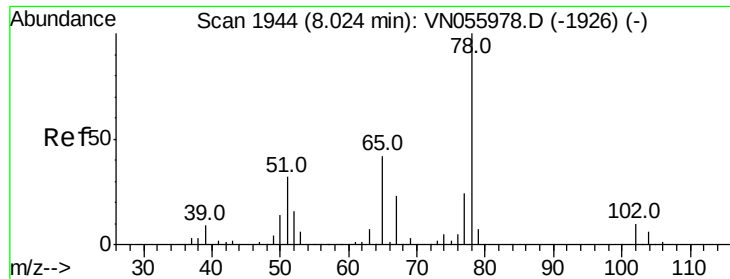
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#32
1,1,1-Trichloroethane
Concen: 19.548 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	40.9	32.9	49.3





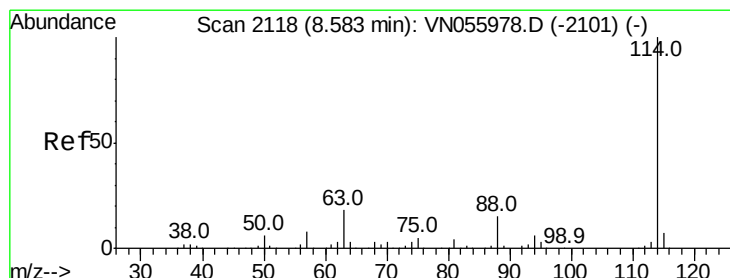
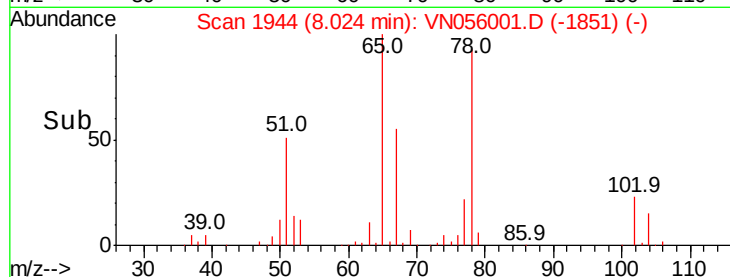
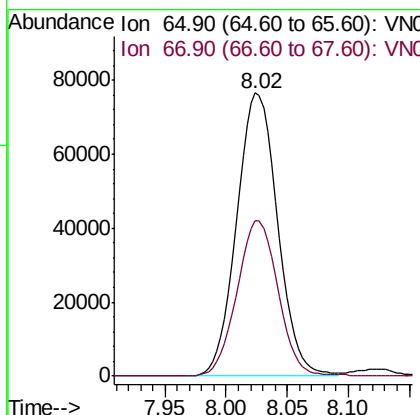
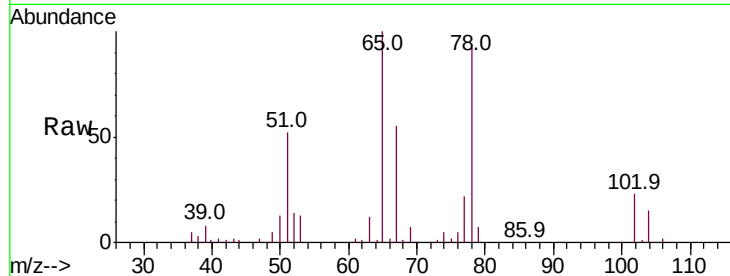
#33
 1,2-Dichloroethane-d4
 Concen: 50.628 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0605WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	177885		
67	55.1	0.0	109.2	

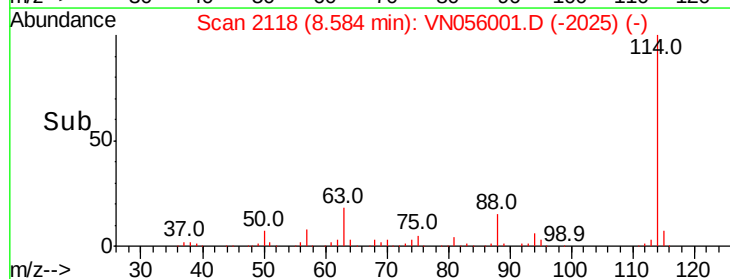
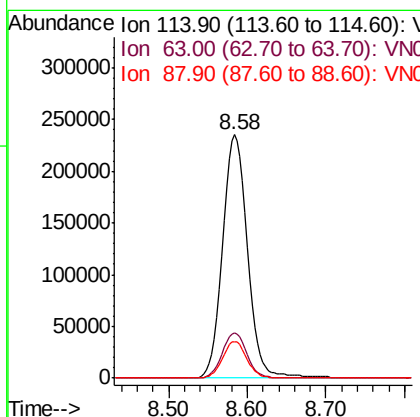
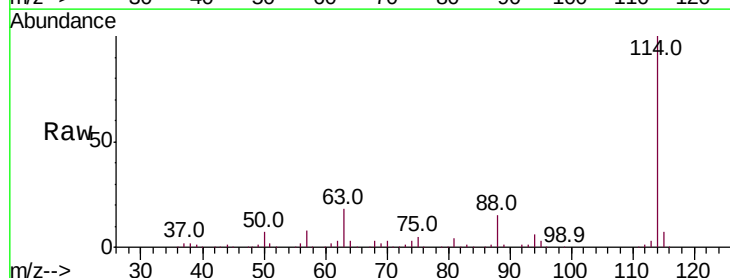
Manual Integrations
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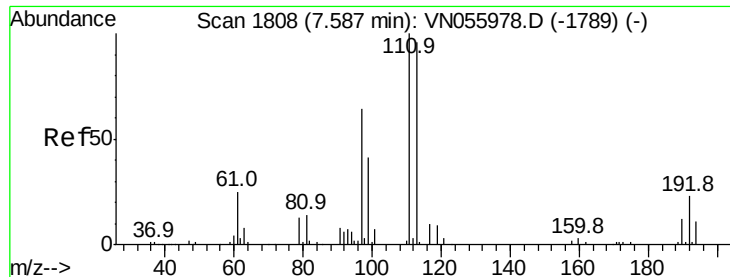
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	514586		
63	18.3	0.0	39.2	
88	15.0	0.0	31.0	





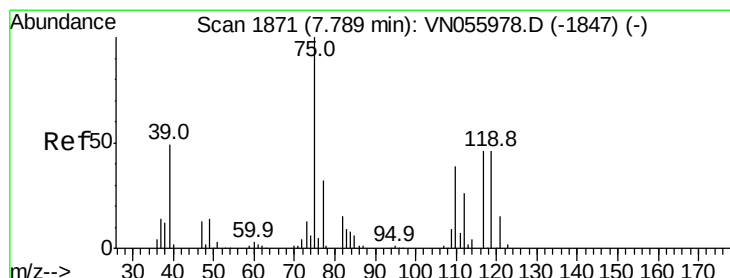
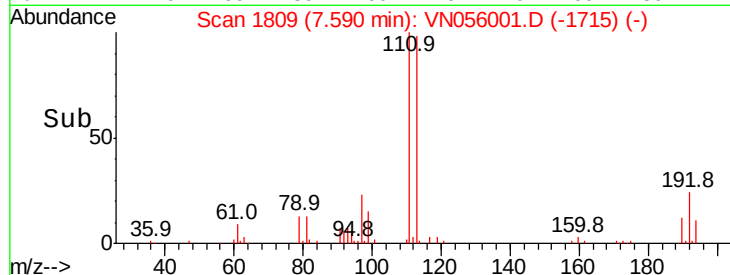
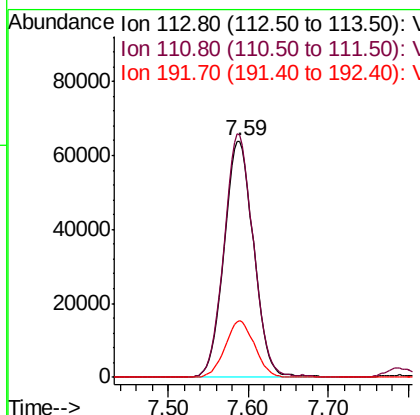
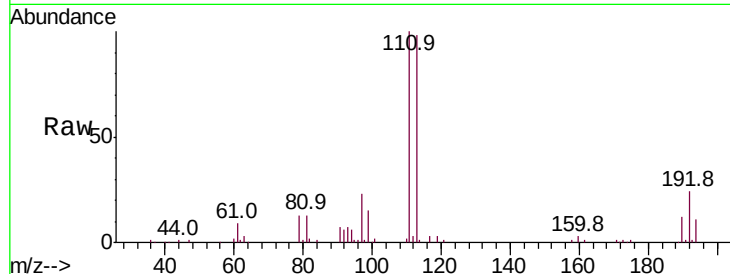
#35
Dibromofluoromethane
Concen: 51.083 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	161278		
111	101.4	81.9	122.9	
192	23.7	19.5	29.3	

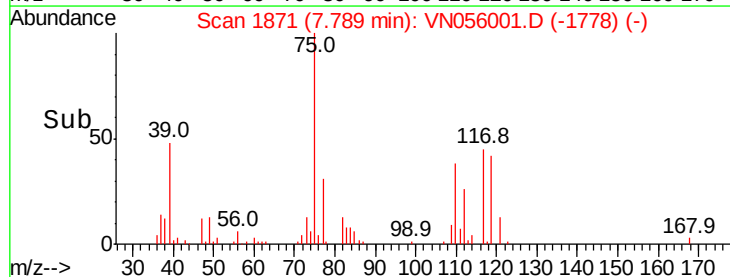
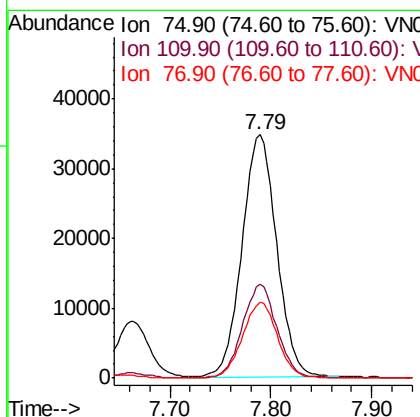
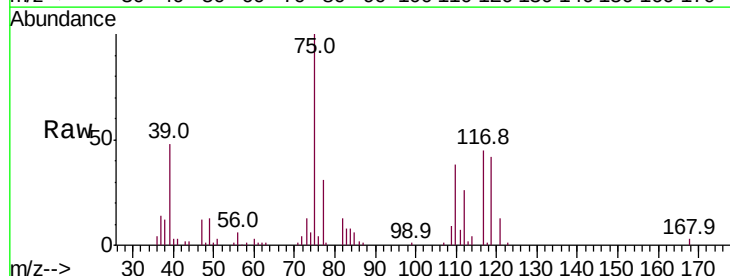
Manual Integrations
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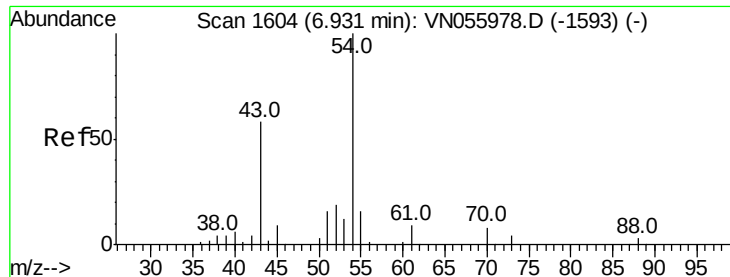
MMDadoda
6/6/2019 12:04:47 PM



#36
1,1-Dichloropropene
Concen: 18.716 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82812		
110	38.2	19.0	57.0	
77	31.6	25.1	37.7	





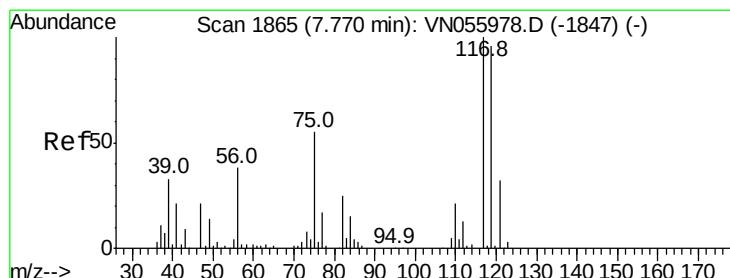
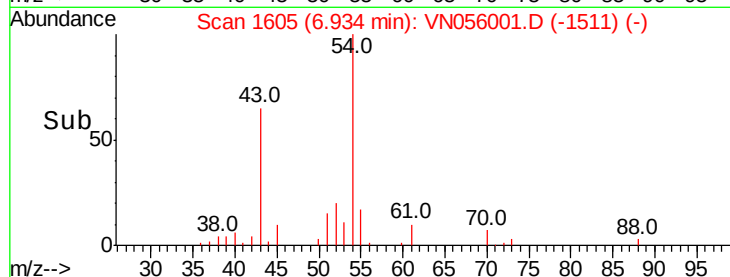
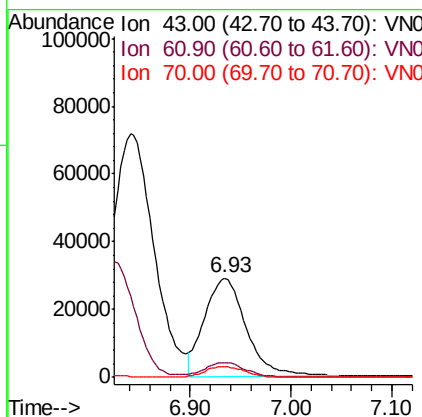
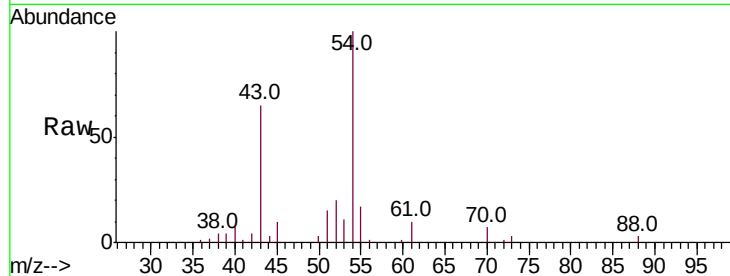
#37
Ethyl Acetate
Concen: 20.996 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

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

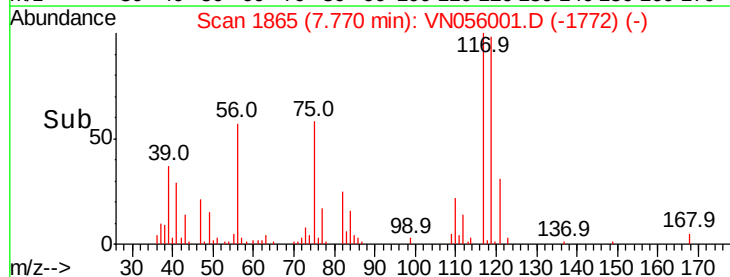
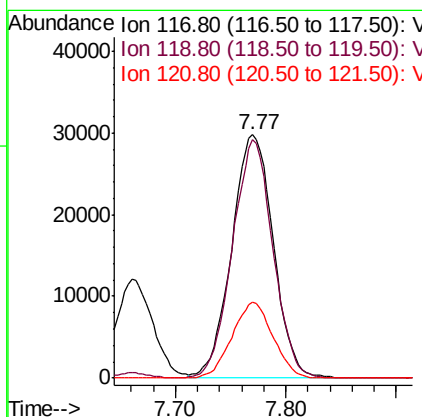
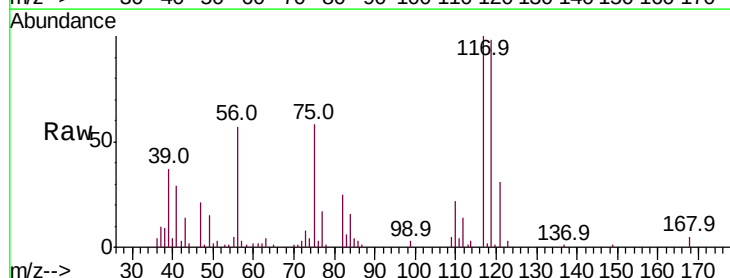
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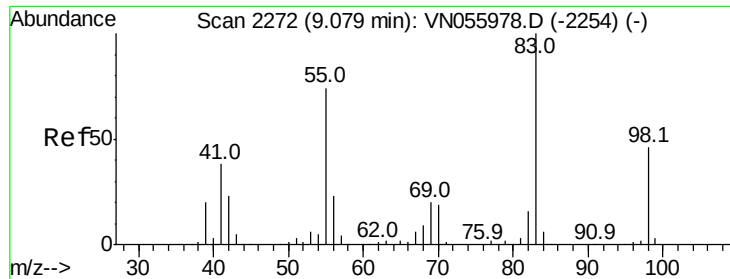
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6/6/2019 12:04:47 PM



#38
Carbon Tetrachloride
Concen: 19.114 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	79.0	118.6
121	30.9	24.7	37.1





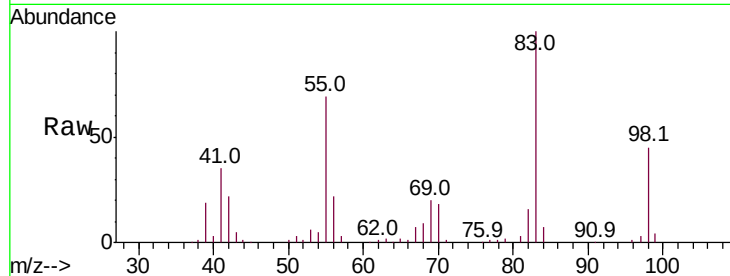
#39
Methylvlcyclohexane
Concen: 19.036 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

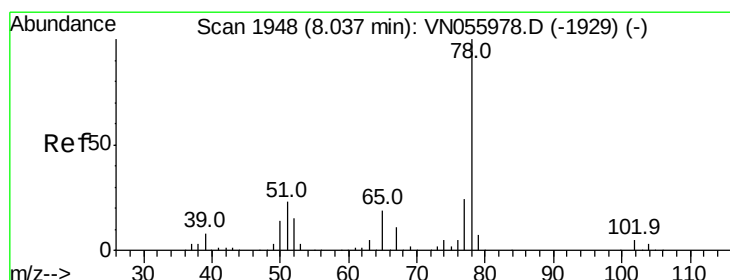
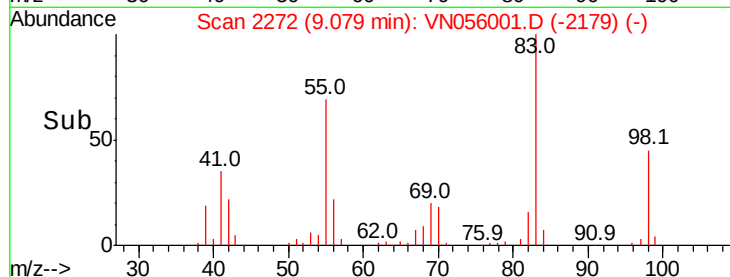
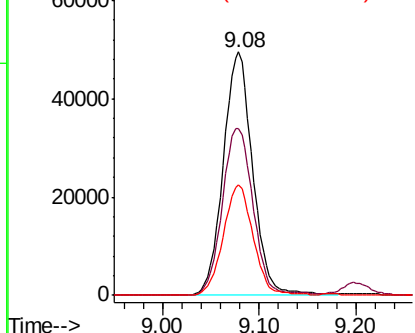
Tot Ion	Ratio	Lower	Upper
83	100		
55	68.7	59.3	88.9
98	45.4	36.6	54.8

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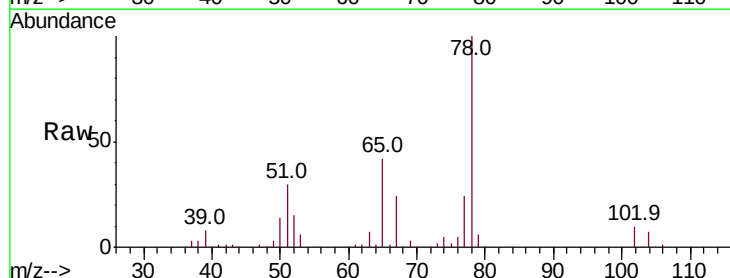


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

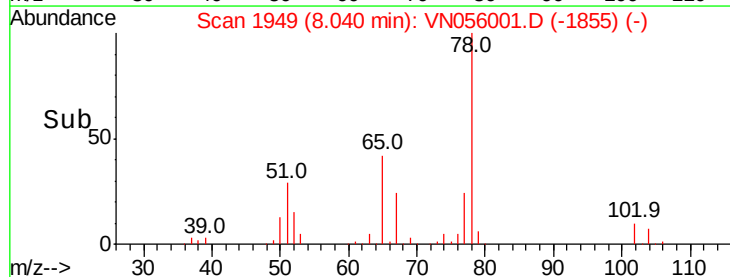
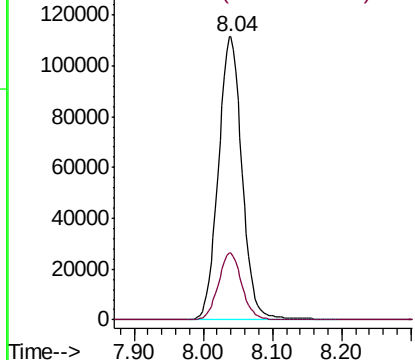


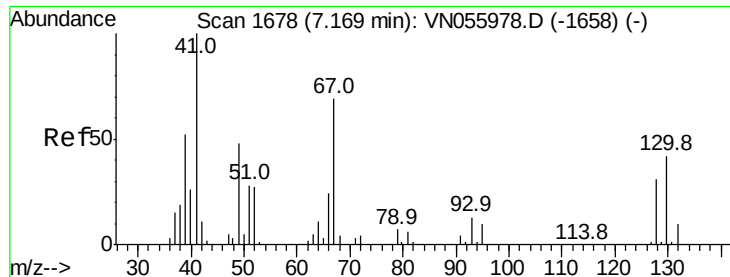
#40
Benzene
Concen: 19.734 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2



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





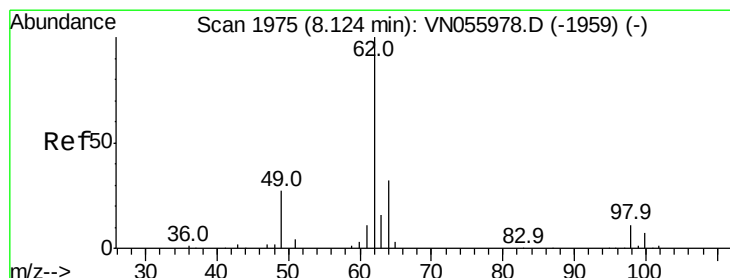
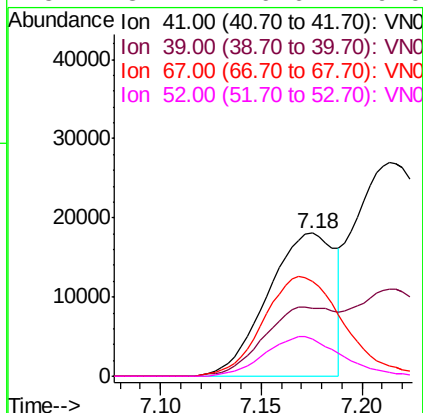
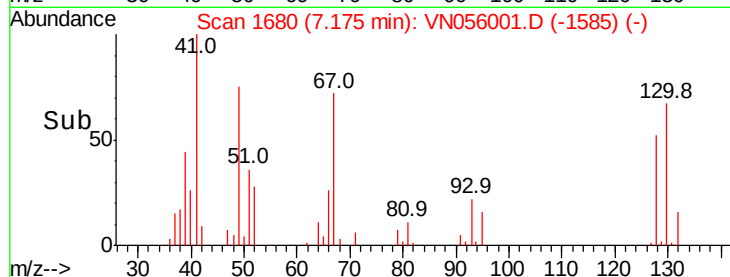
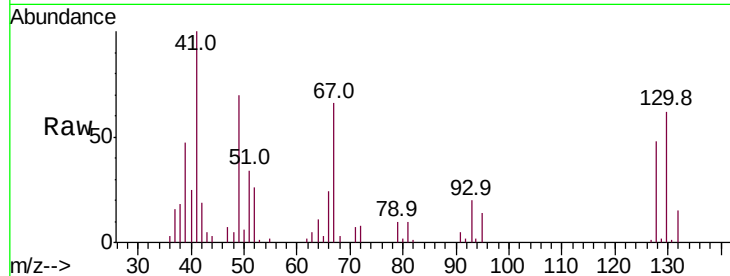
#41
Methacrylonitrile
Concen: 23.133 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.7	45.6	68.4
67	83.5	67.7	101.5
52	31.4	26.6	40.0

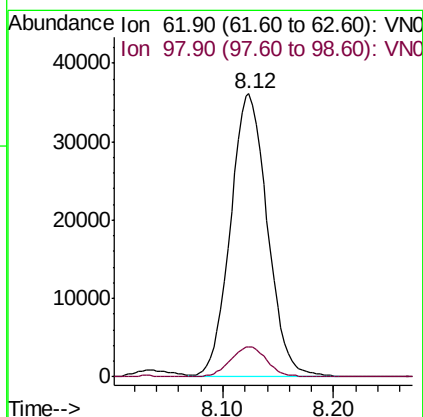
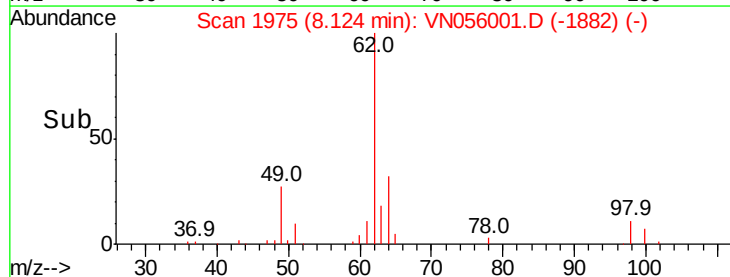
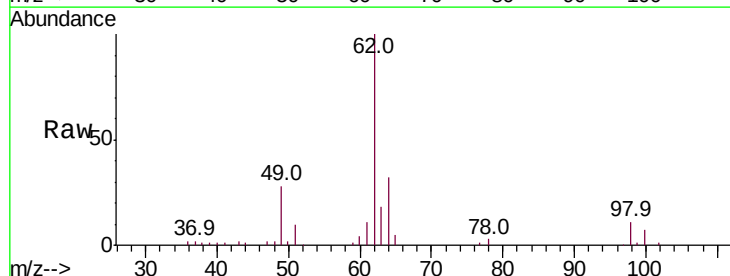
Manual Integrations
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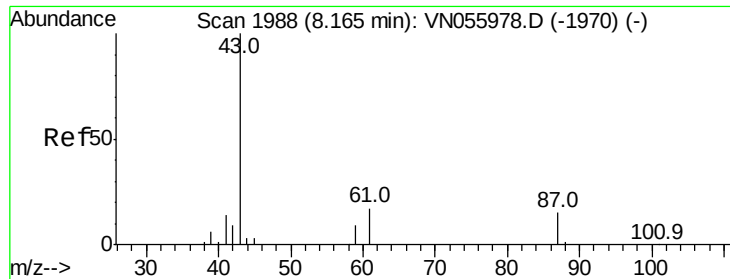
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#42
1,2-Dichloroethane
Concen: 19.417 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.635 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

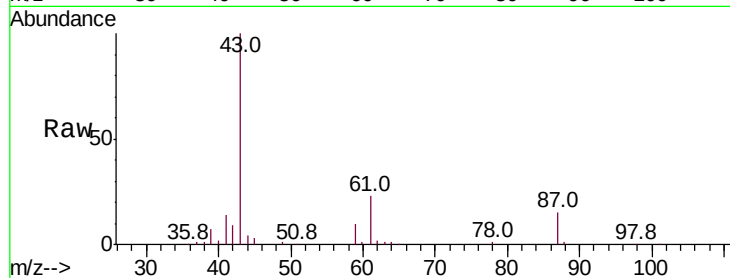
ClientSampleId :

VN0605WBS01

Tot Ion:	43	Resp:	125267
Ion	Ratio	Lower	Upper
43	100		
61	29.5	22.2	33.4
87	14.9	11.4	17.2

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6/6/2019 12:04:47 PM

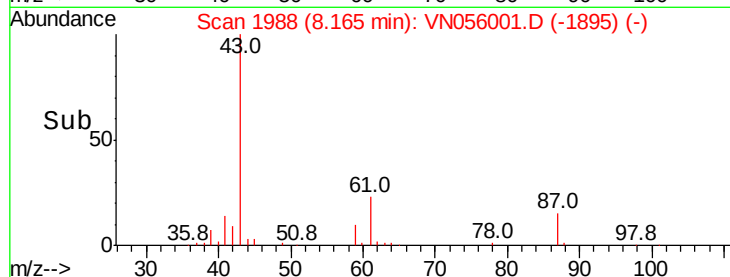


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

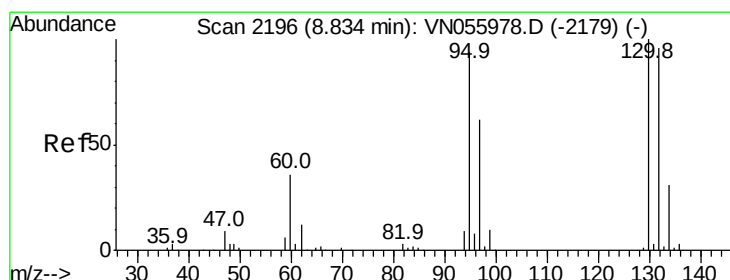
Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 19.327 ug/l

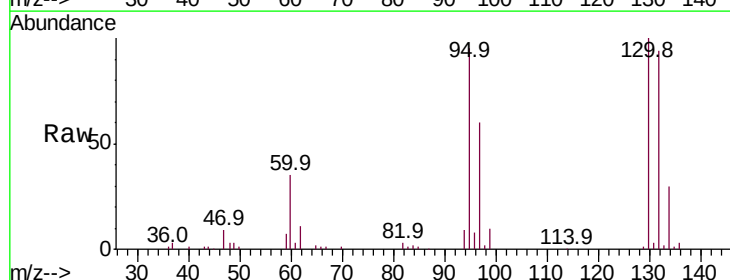
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

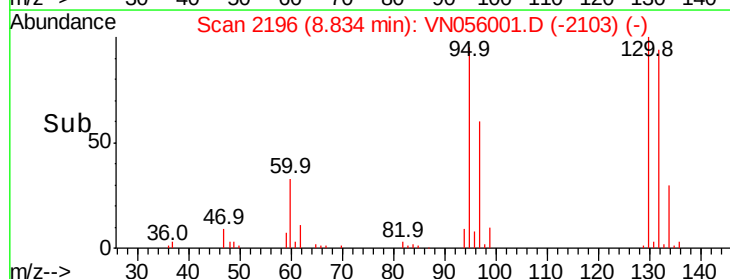
Tgt Ion:	130	Resp:	74635
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

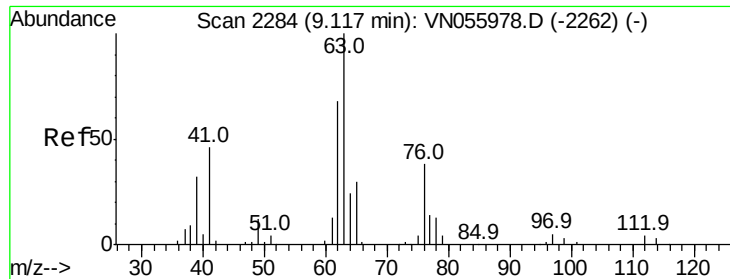
Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

Time-->



Time-->

Time-->



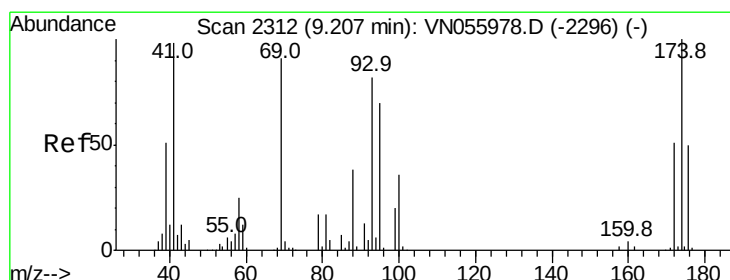
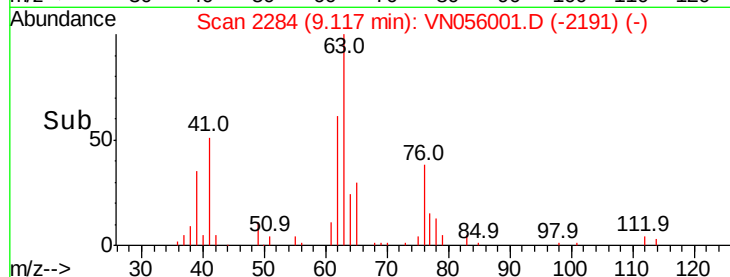
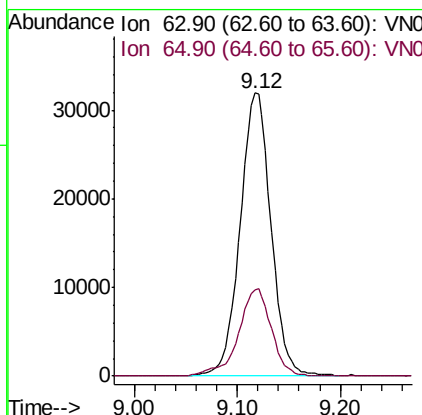
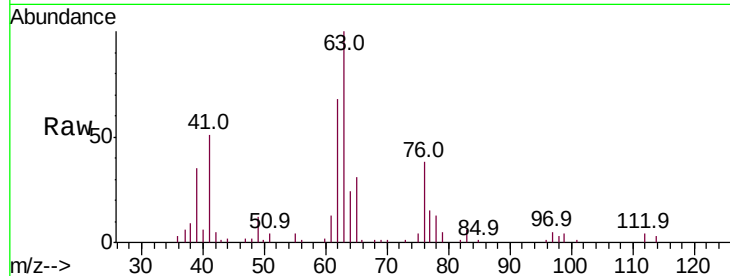
#45
 1,2-Dichloropropane
 Concen: 19.336 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0605WBS01

Tot Ion: 63 Resp: 66560
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8

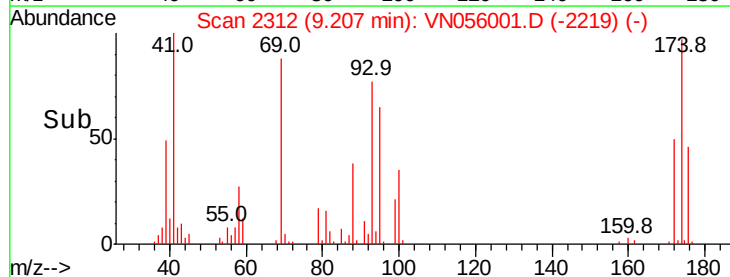
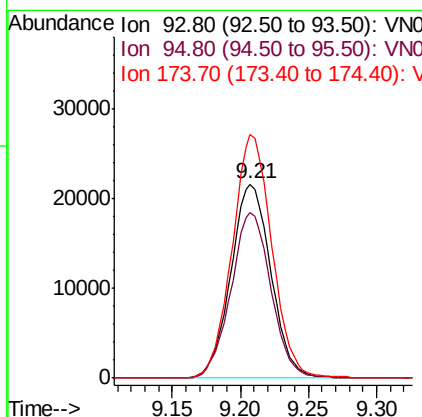
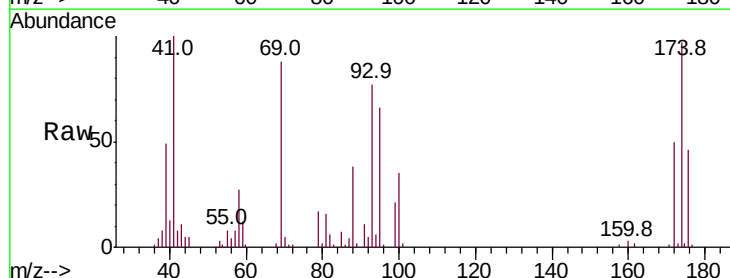
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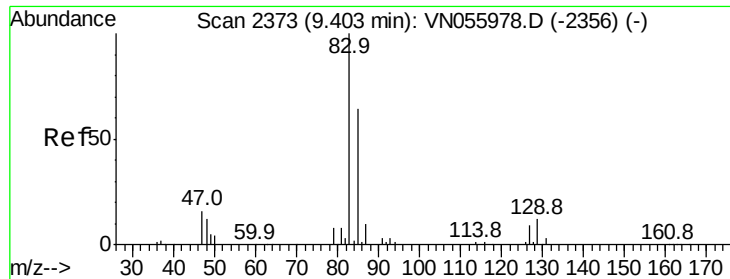
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 6/6/2019 12:04:47 PM



#46
 Dibromomethane
 Concen: 19.603 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion: 93 Resp: 44125
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.7 100.1
 174 124.3 96.4 144.6





#47

Bromodichloromethane

Concen: 19.358 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

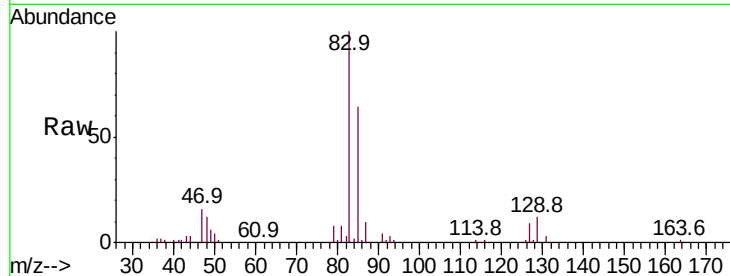
ClientSampleId :

VN0605WBS01

Tot Ion:	83	Resp:	78974
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.2
127	9.1	7.4	11.0

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Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2356) (-)

9.40

40000

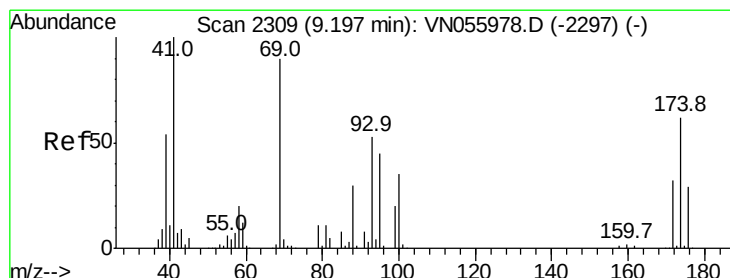
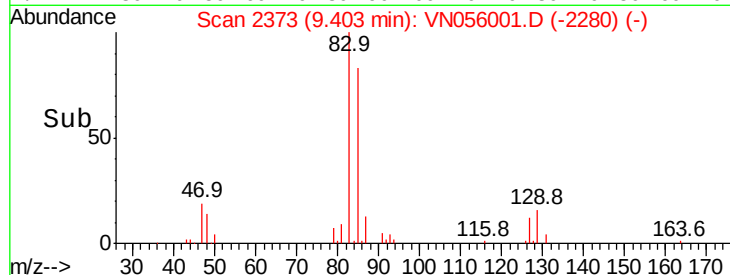
30000

20000

10000

0

Time--> 9.30 9.35 9.40 9.45 9.50



#48

Methyl methacrylate

Concen: 19.379 ug/l

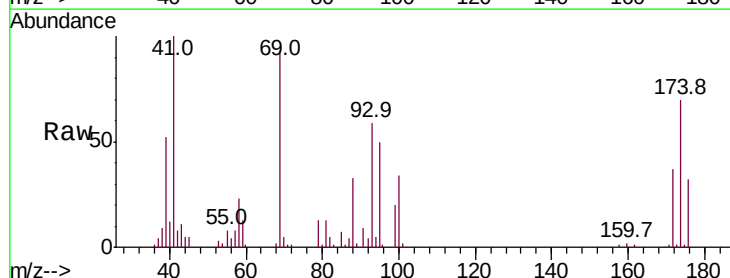
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Tgt Ion:	41	Resp:	60484
Ion	Ratio	Lower	Upper
41	100		
69	95.8	71.0	106.6
39	53.5	44.2	66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055978.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-2297) (-)

9.20

40000

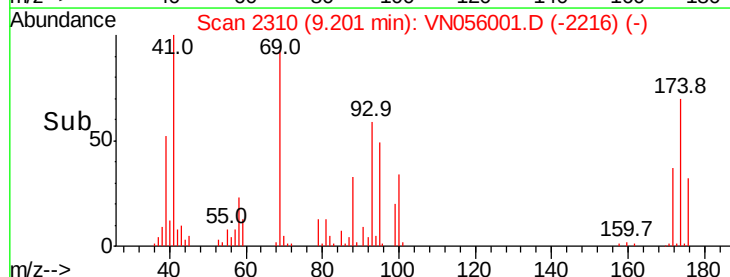
30000

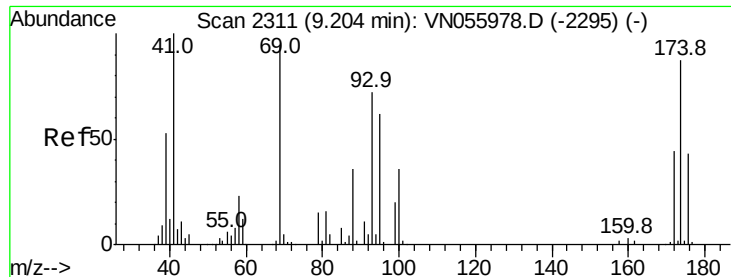
20000

10000

0

Time--> 9.15 9.20 9.25





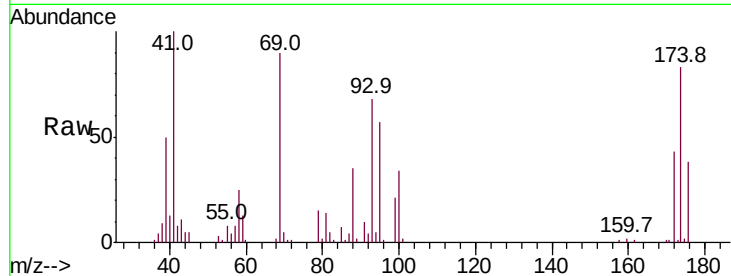
#49
1,4-Dioxane
Concen: 411.376 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

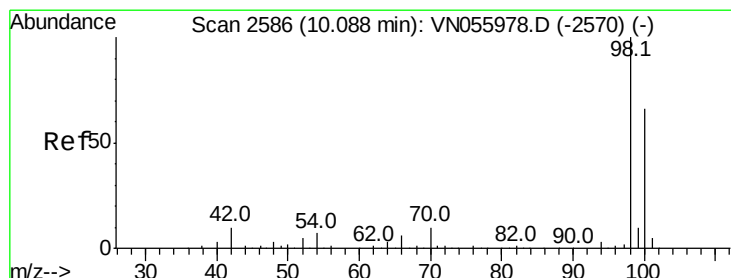
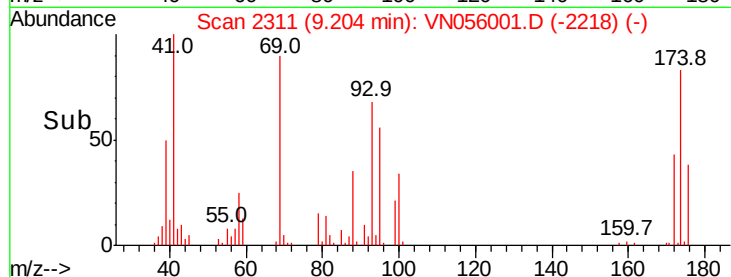
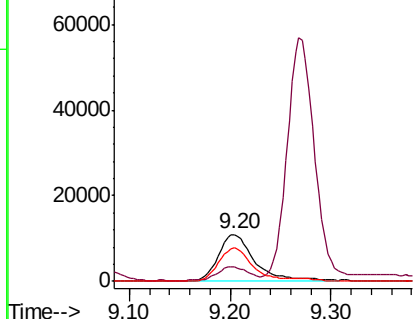
Tot Ion	Ratio	Lower	Upper
88	100		
43	25.4	20.5	30.7
58	64.5	55.8	83.6

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6/6/2019 12:04:47 PM

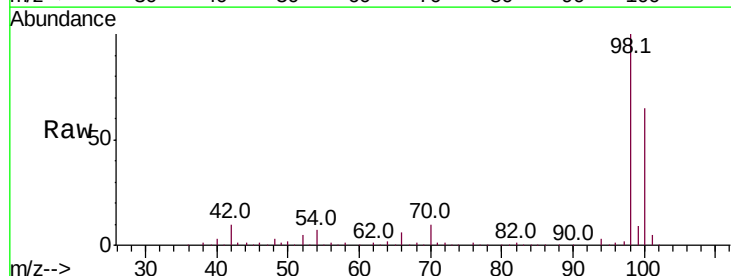


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

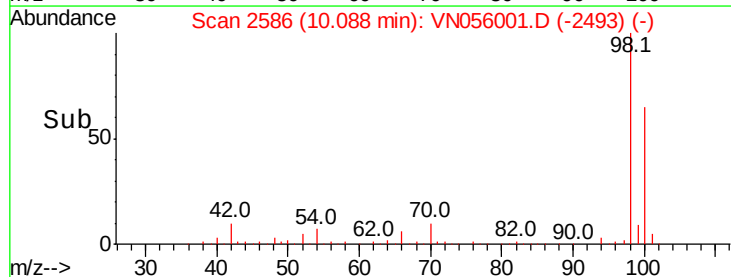
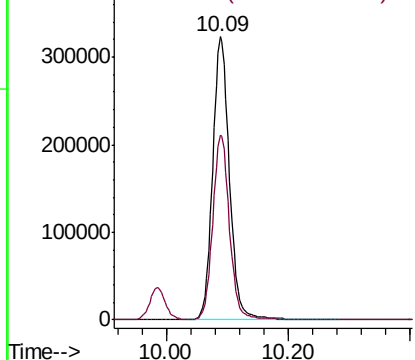


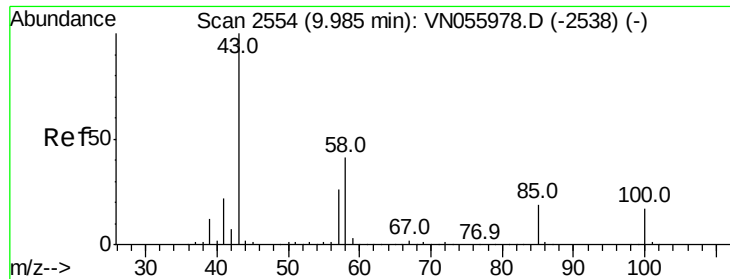
#50
Toluene-d8
Concen: 51.191 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	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: 101.543 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0605WBS01

Tot Ion: 43 Resp: 405108

Ion Ratio Lower Upper

43 100

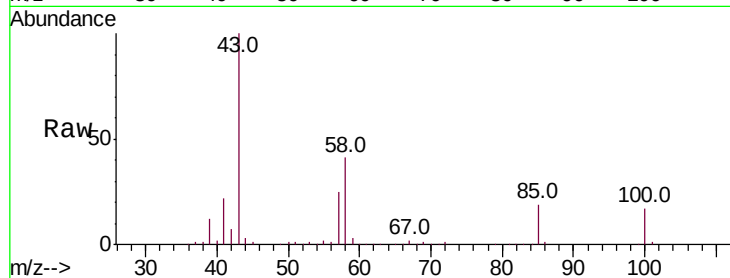
58 40.6 32.1 48.1

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6/6/2019 12:04:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

0

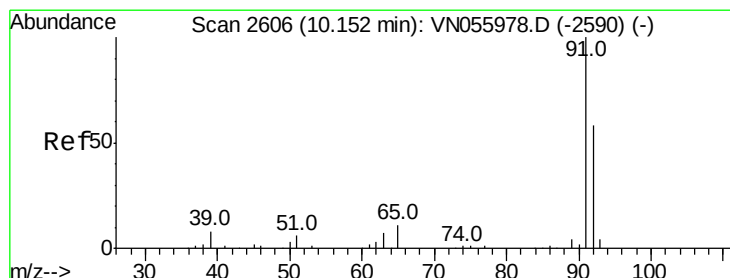
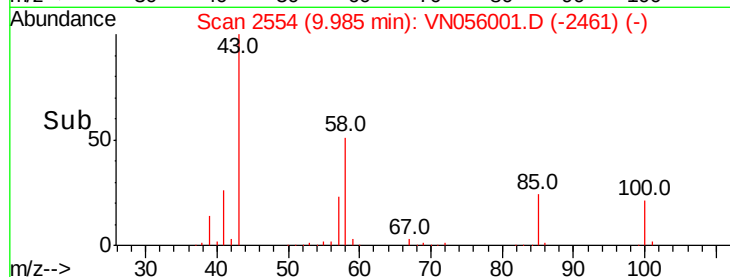
9.90

9.99

10.00

10.10

Time-->



#52

Toluene

Concen: 20.133 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056001.D

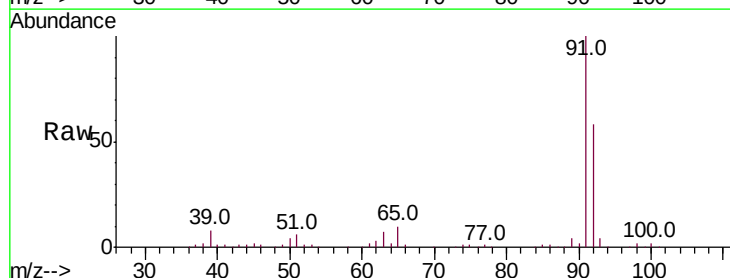
Acq: 5 Jun 2019 11:36

Tgt Ion: 92 Resp: 168366

Ion Ratio Lower Upper

92 100

91 173.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

0

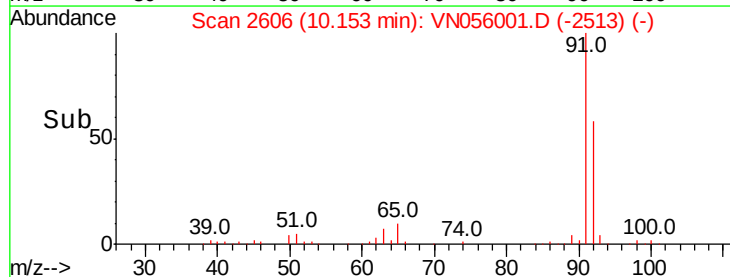
10.10

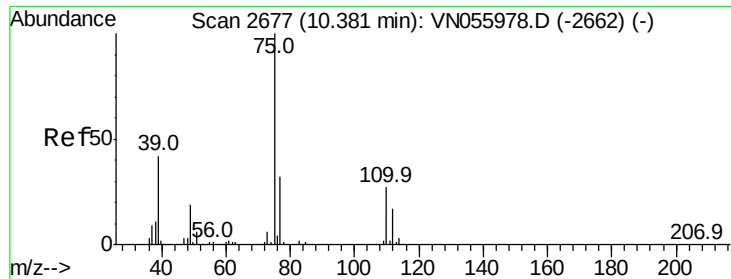
10.15

10.20

10.30

Time-->





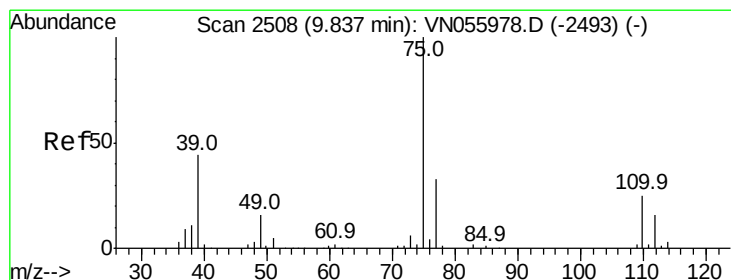
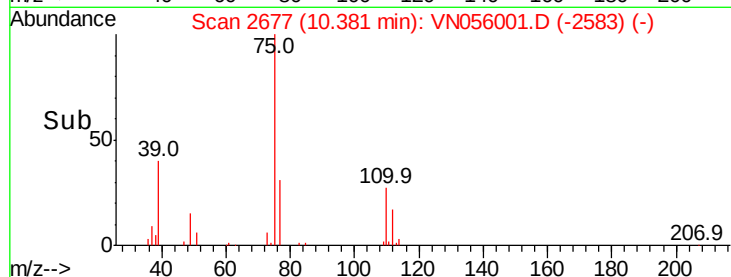
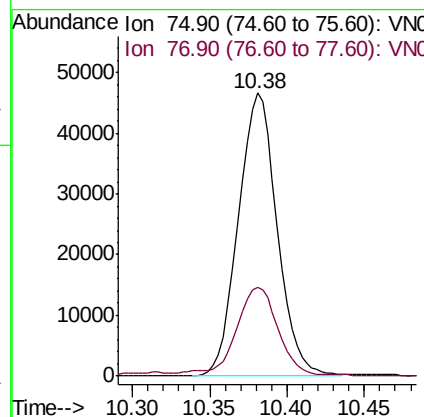
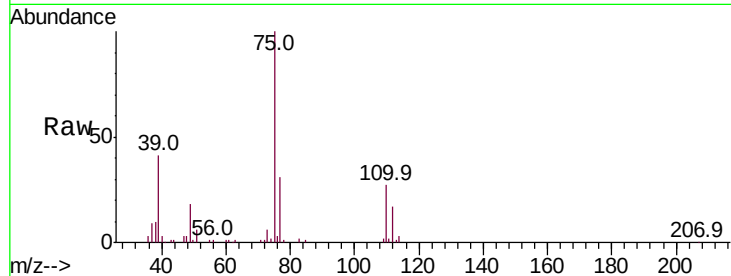
#53
t-1,3-Dichloropropene
Concen: 18.571 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0605WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6

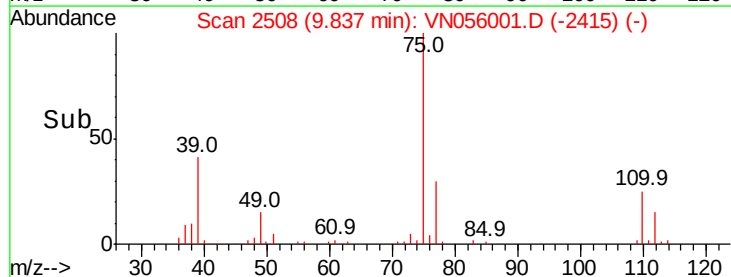
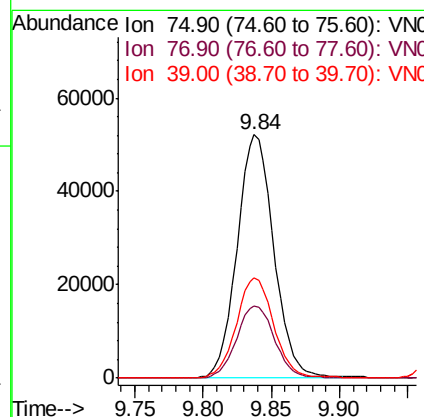
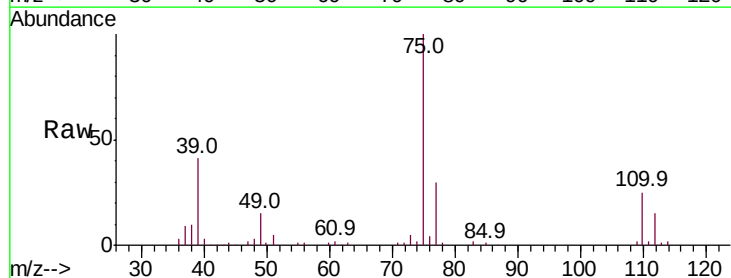
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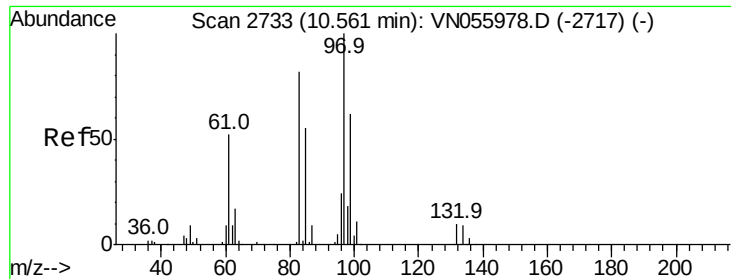
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6/6/2019 12:04:47 PM



#54
cis-1,3-Dichloropropene
Concen: 19.865 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.4	38.0
39	41.2	36.3	54.5





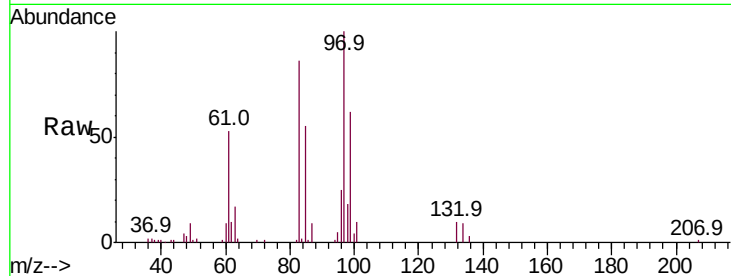
#55
 1,1,2-Trichloroethane
 Concen: 19.655 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0605WBS01

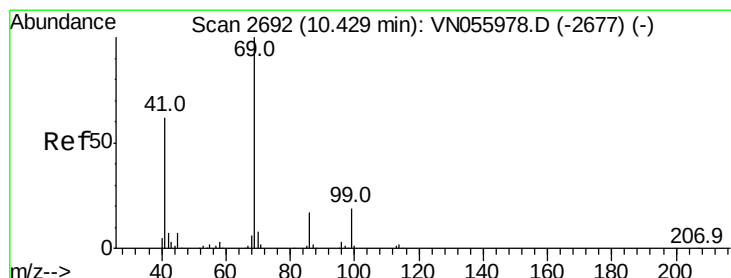
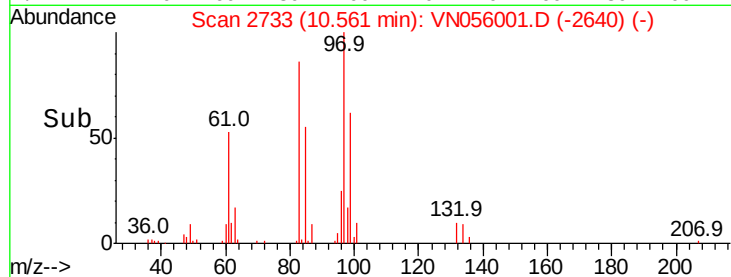
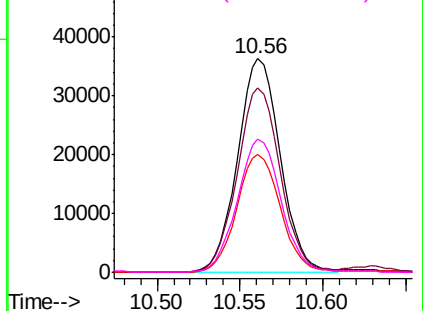
Tot Ion:	97	Resp:	65107
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.0	100.6
85	54.9	44.0	66.0
99	62.2	50.6	75.8

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 6/6/2019 12:04:47 PM



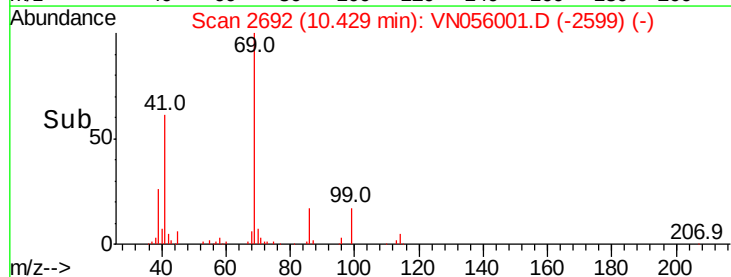
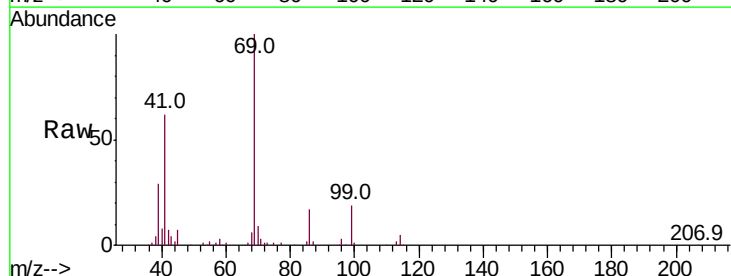
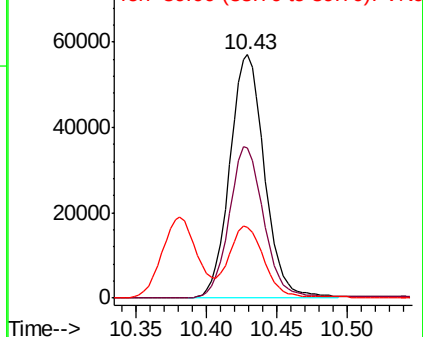
Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

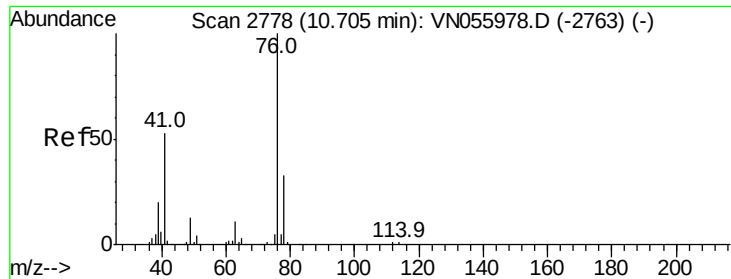


#56
 Ethyl methacrylate
 Concen: 20.351 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion:	69	Resp:	98346
Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.7	74.5
39	30.4	24.7	37.1

Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





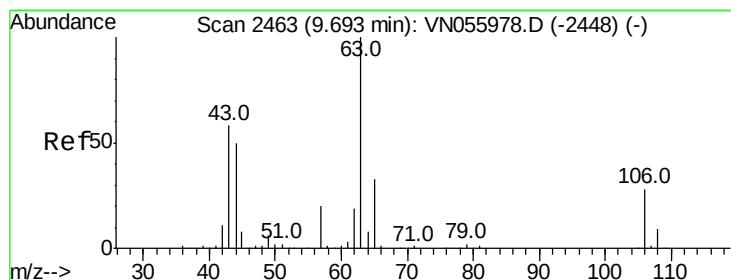
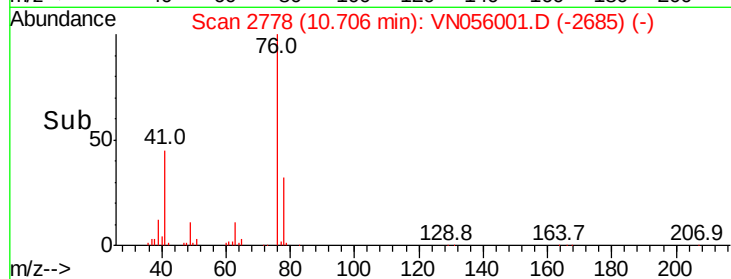
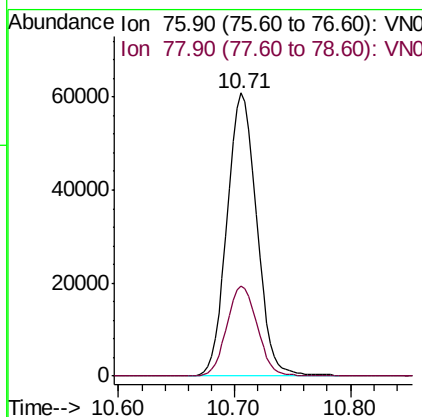
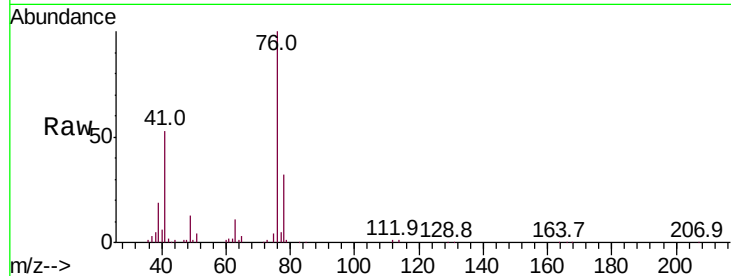
#57
 1,3-Dichloropropane
 Concen: 20.027 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0605WBS01

Tot Ion: 76 Resp: 107844
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

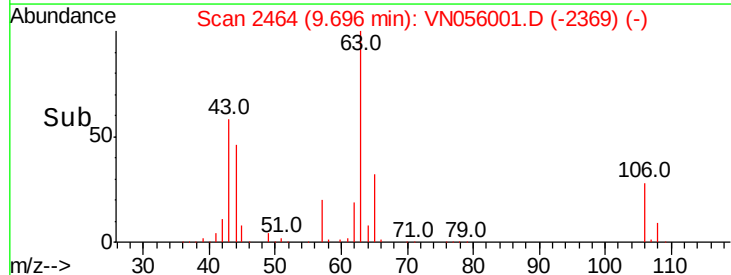
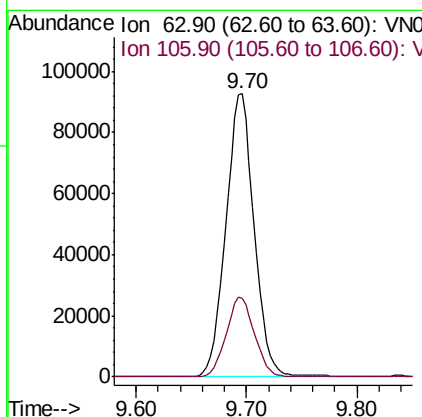
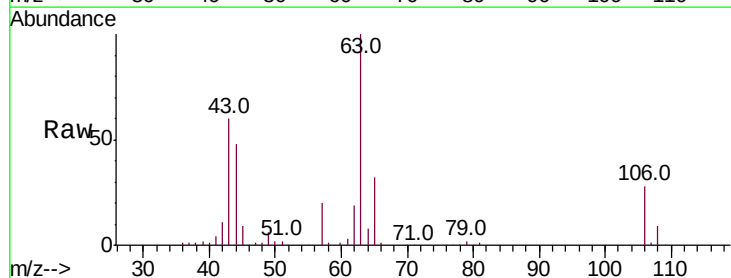
Manual Integrations
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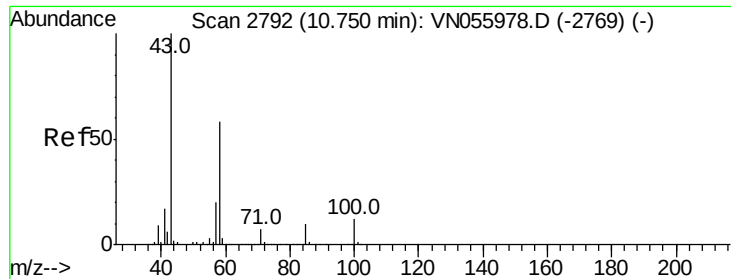
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#58
 2-Chloroethyl Vinyl ether
 Concen: 95.530 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion: 63 Resp: 164316
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.7 34.1





#59

2-Hexanone

Concen: 98.351 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0605WBS01

Tot Ion: 43 Resp: 284384

Ion Ratio Lower Upper

43 100

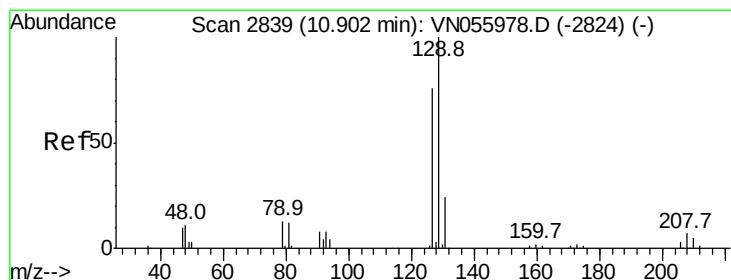
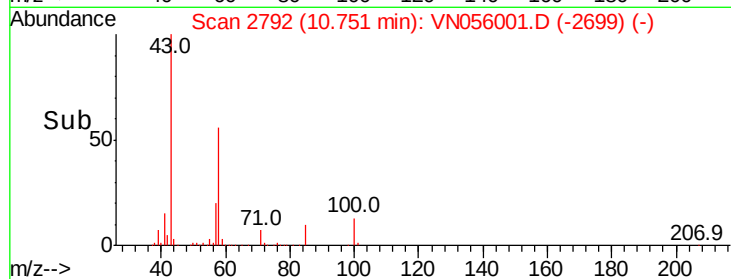
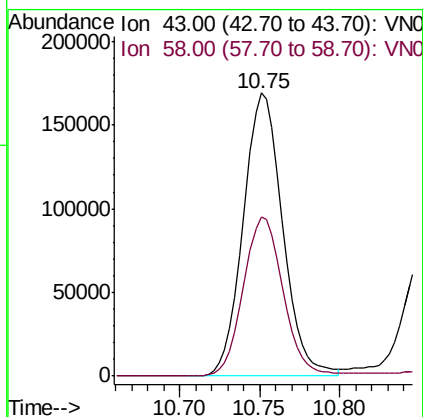
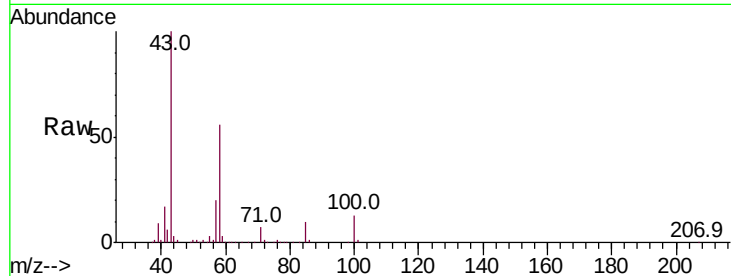
58 57.3 28.2 84.7

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#60

Dibromochloromethane

Concen: 18.866 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056001.D

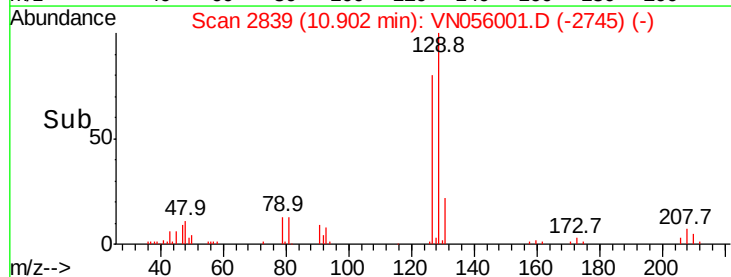
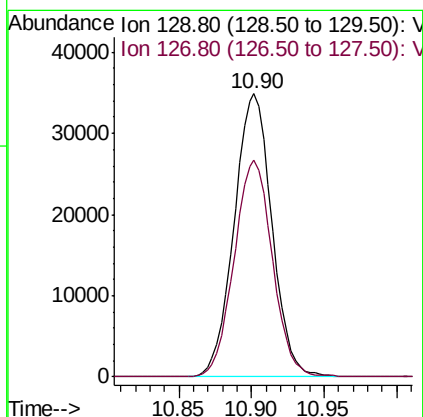
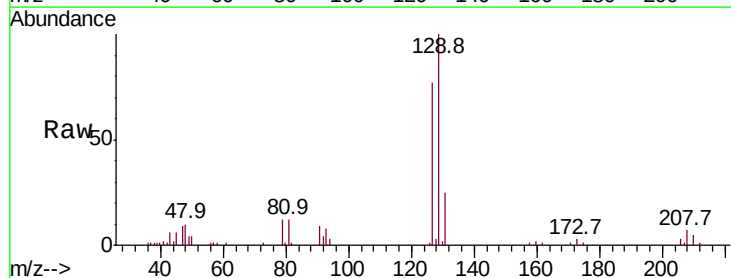
Acq: 5 Jun 2019 11:36

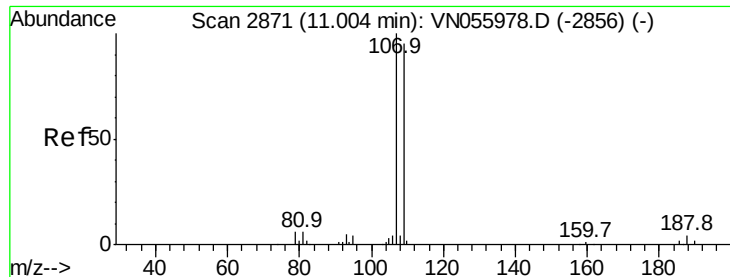
Tgt Ion: 129 Resp: 63060

Ion Ratio Lower Upper

129 100

127 77.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.232 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0605WBS01

Tot Ion:107 Resp: 68514

Ion Ratio Lower Upper

107 100

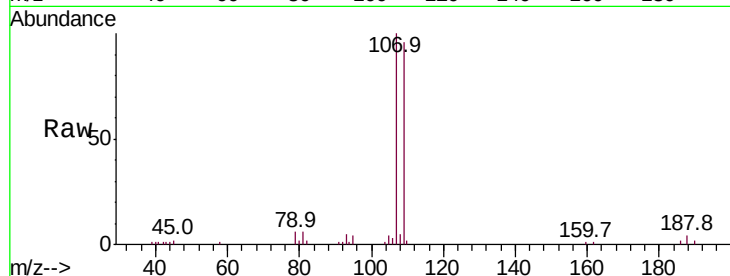
109 95.3 74.8 112.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

20000

10000

0

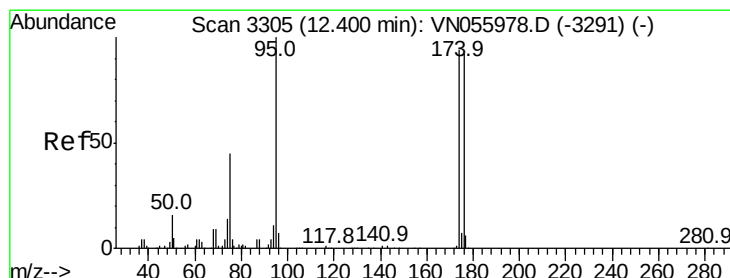
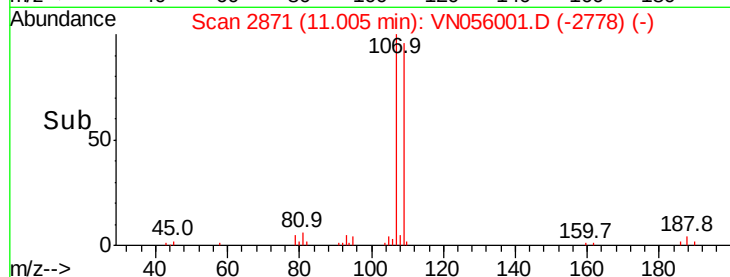
Time-->

10.95

11.00

11.05

11.10



#62

4-Bromofluorobenzene

Concen: 49.718 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

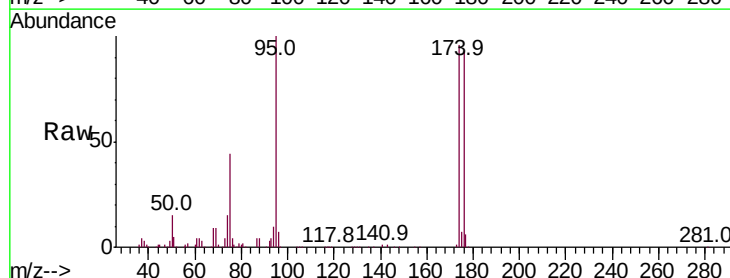
Tgt Ion: 95 Resp: 205411

Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.0

176 94.0 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

100000

50000

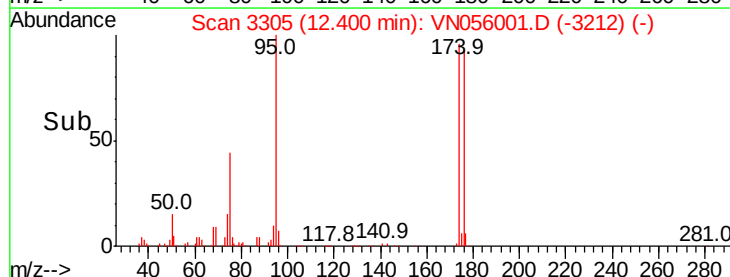
0

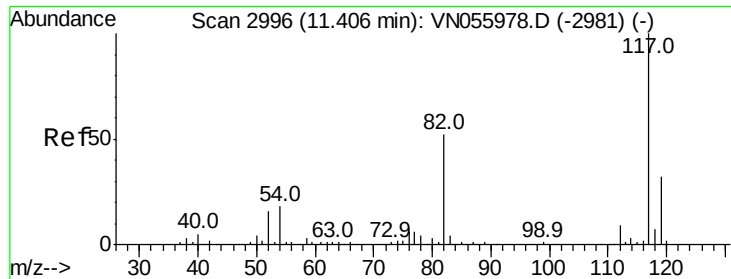
Time-->

12.30

12.40

12.50





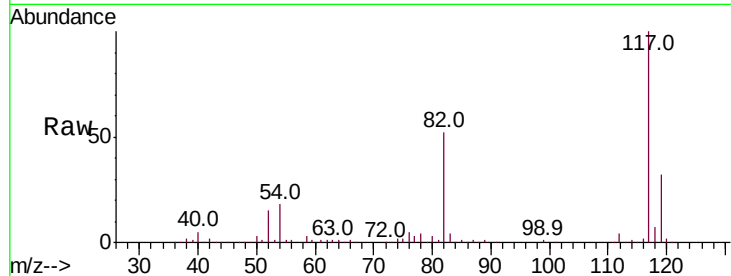
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0605WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.8
119	32.3	25.4	38.0

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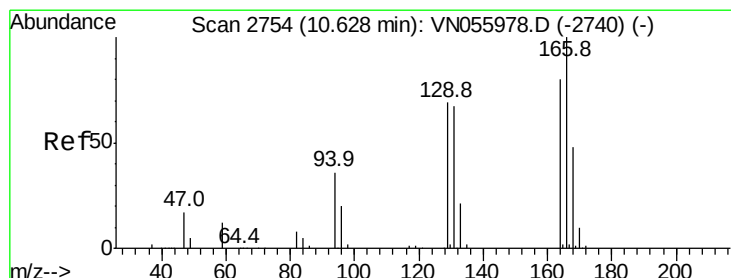
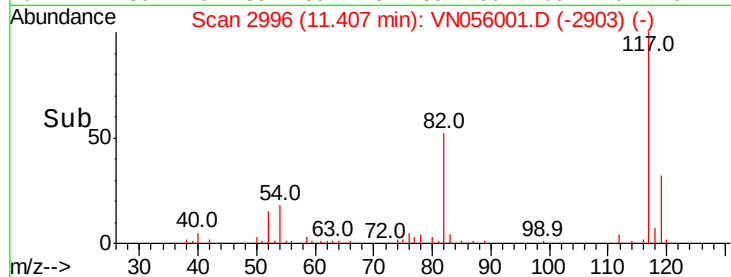
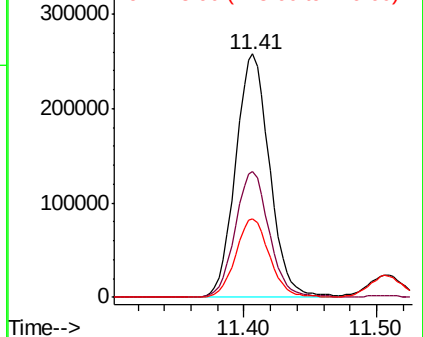


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.256 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.0	154.6
129	86.8	70.6	105.8
131	84.0	68.6	102.8

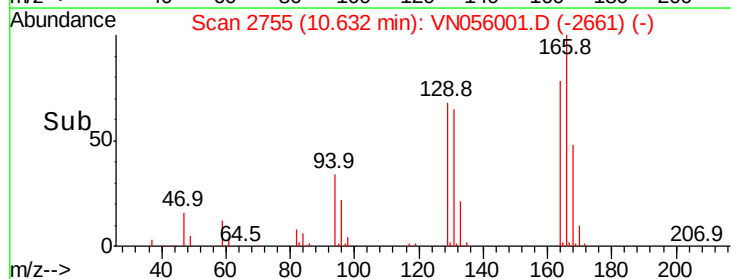
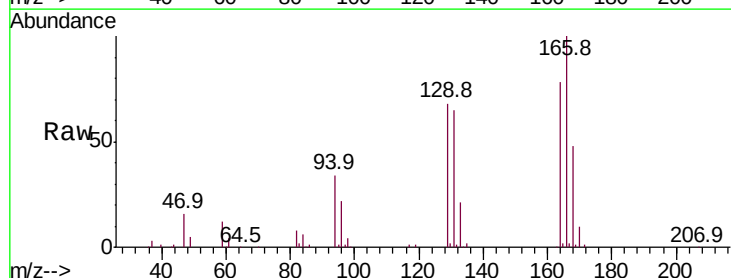
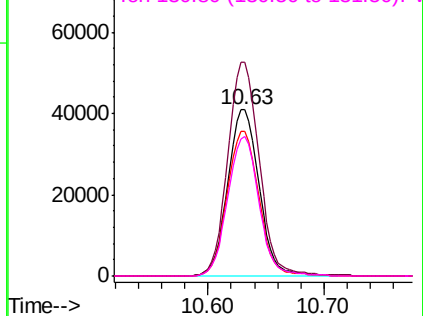
Abundance

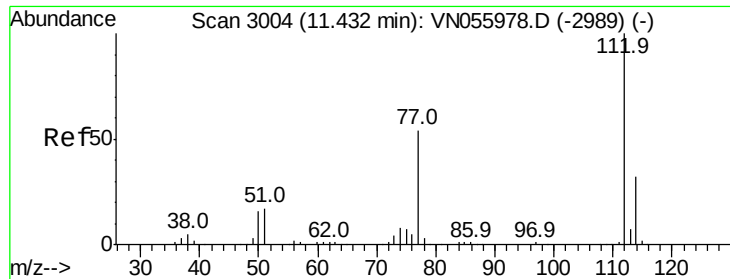
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





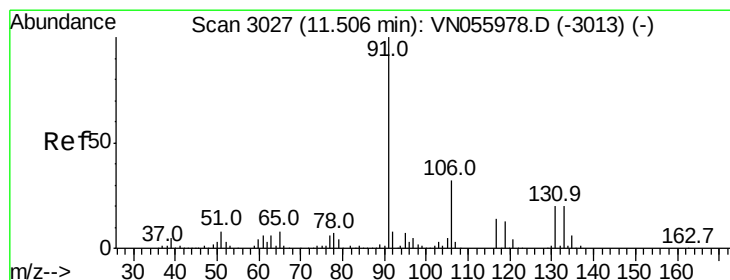
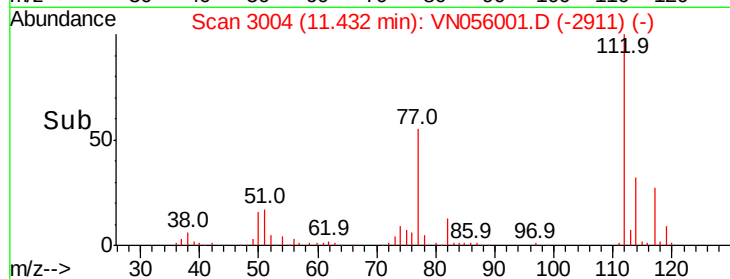
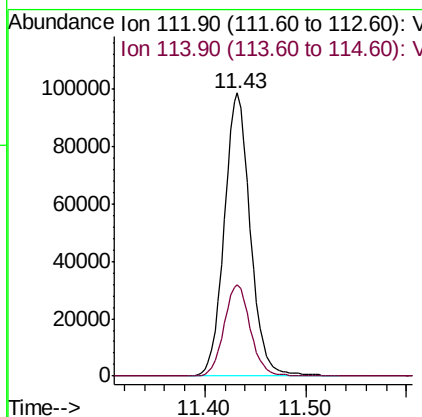
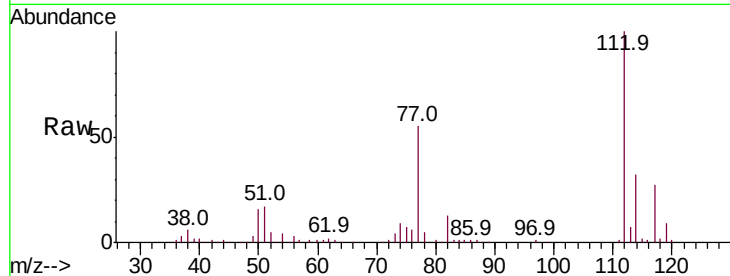
#65
Chlorobenzene
Concen: 19.412 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0605WBS01

Tot Ion:112 Resp: 177632
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

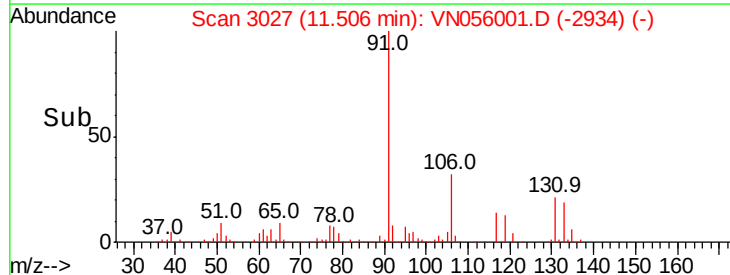
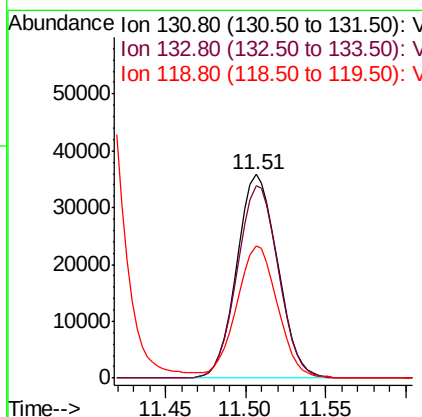
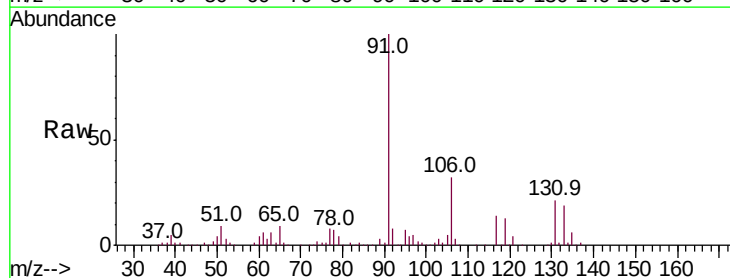
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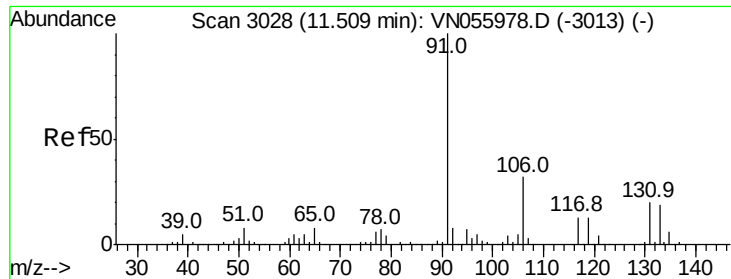
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.781 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion:131 Resp: 62500
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 65.5 33.1 99.5





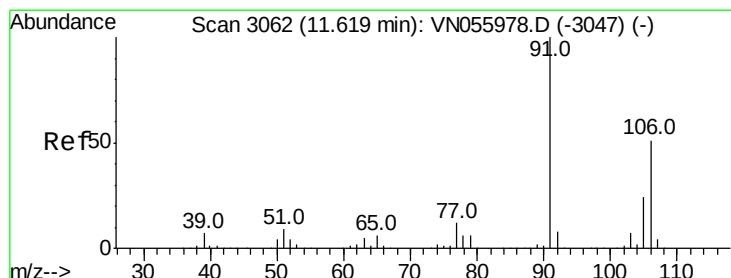
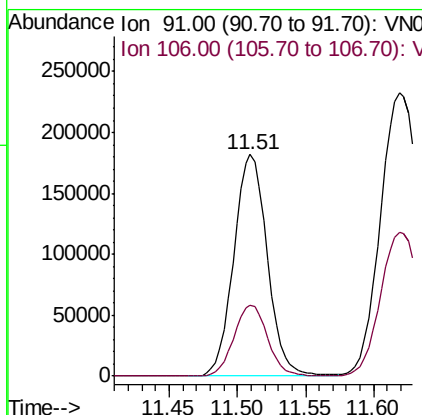
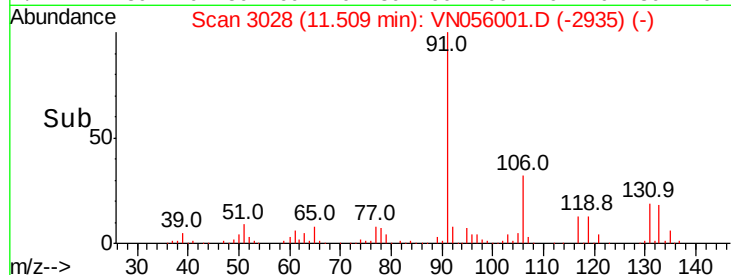
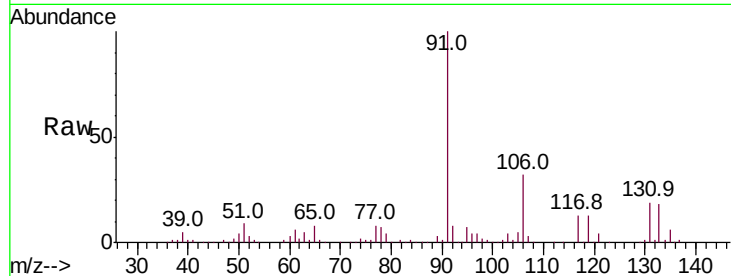
#67
Ethyl Benzene
Concen: 19.527 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0605WBS01

Tot Ion: 91 Resp: 310692
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7

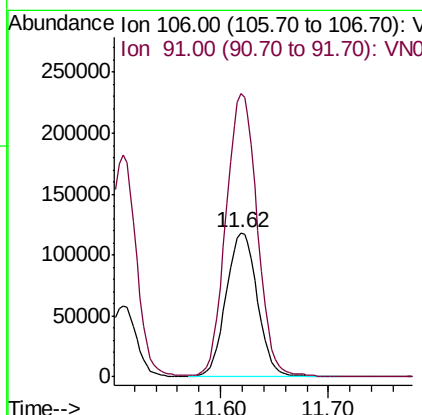
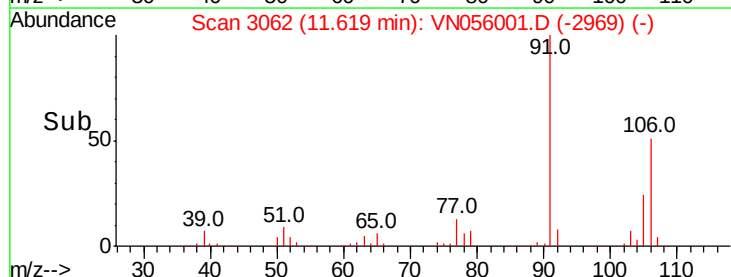
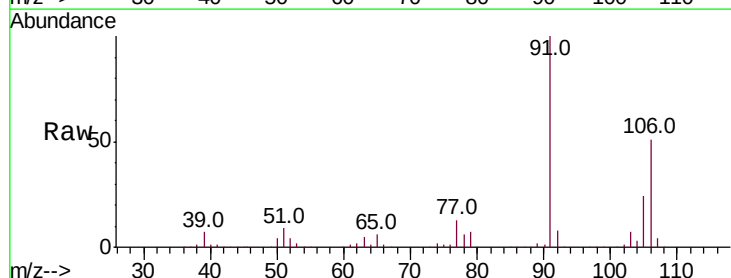
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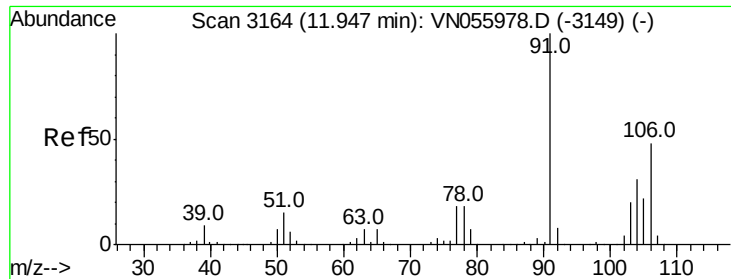
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#68
m/p-Xylenes
Concen: 39.441 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 106 Resp: 239736
Ion Ratio Lower Upper
106 100
91 196.5 159.3 238.9





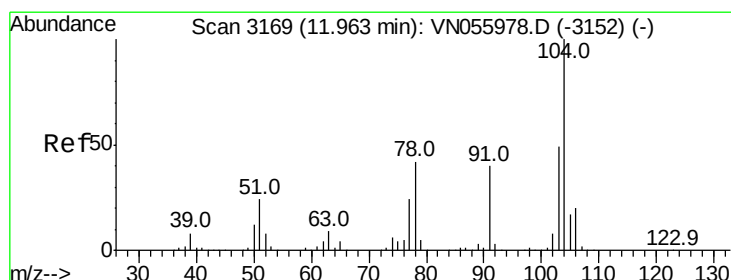
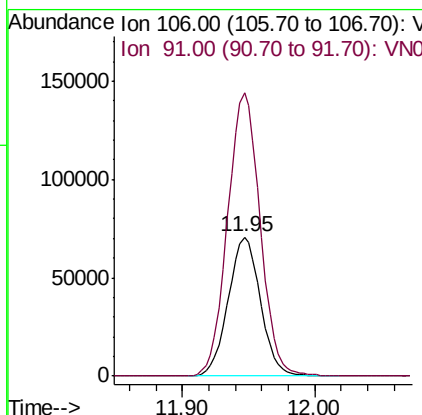
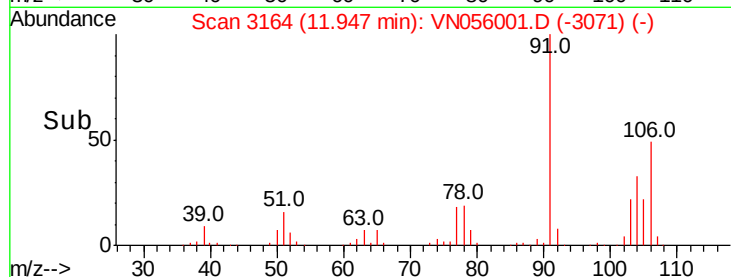
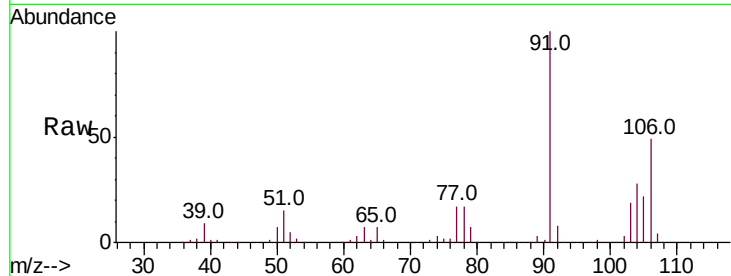
#69
o-Xylene
Concen: 19.990 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

Tot Ion:106 Resp: 119519
Ion Ratio Lower Upper
106 100
91 205.8 104.7 314.1

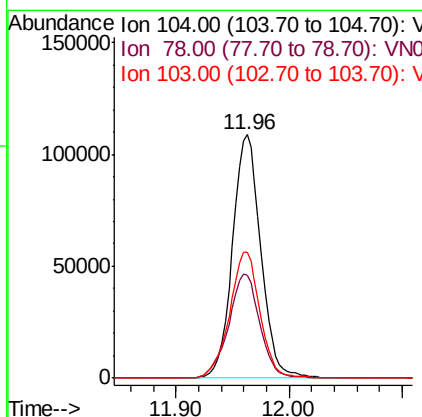
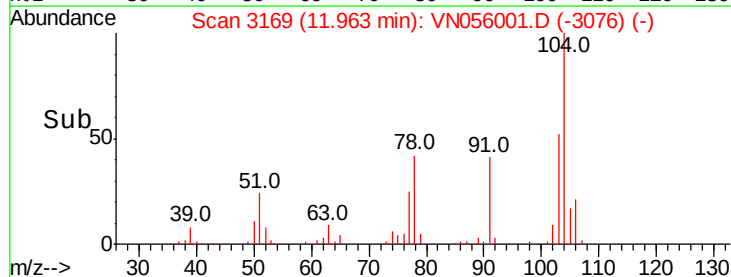
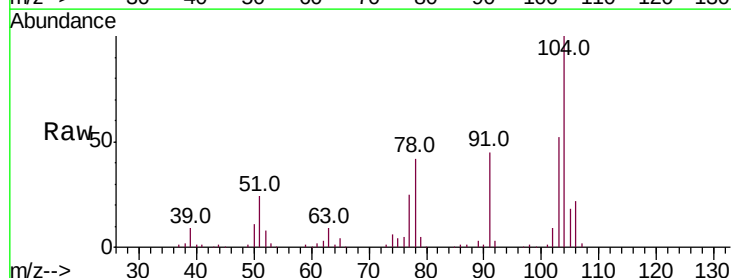
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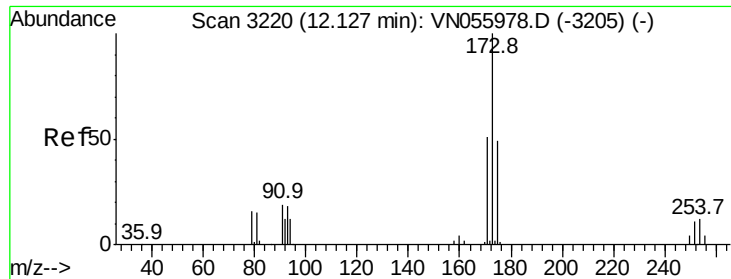
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#70
Styrene
Concen: 19.946 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion:104 Resp: 189484
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.6
103 55.6 44.2 66.2





#71

Bromoform

Concen: 18.051 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0605WBS01

Tot Ion:173 Resp: 42964

Ion Ratio Lower Upper

173 100

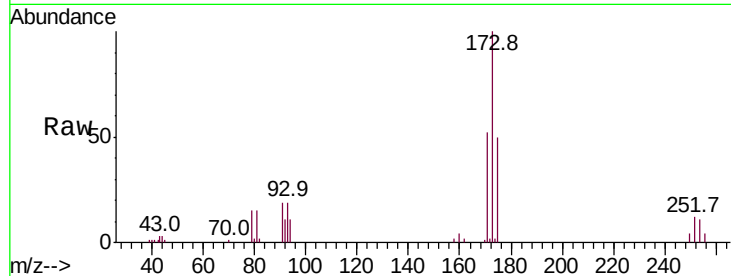
175 50.3 24.3 72.8

254 0.0 0.0 0.0

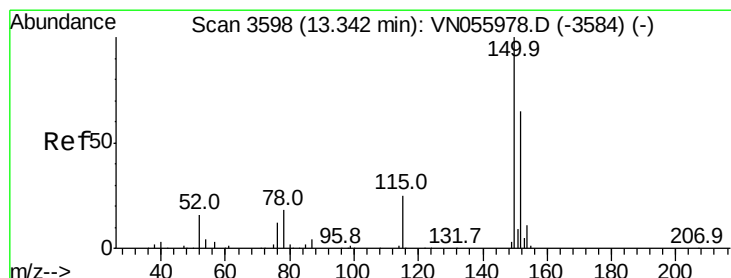
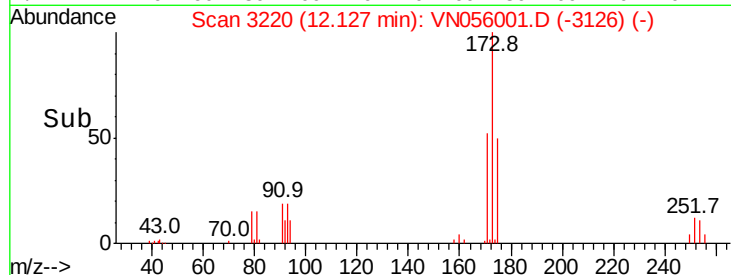
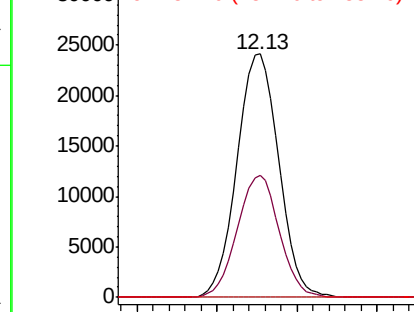
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

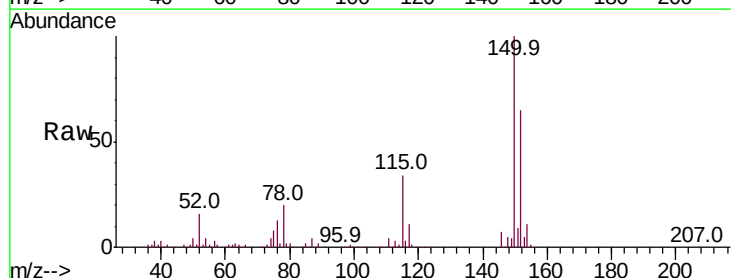
Tgt Ion:152 Resp: 190696

Ion Ratio Lower Upper

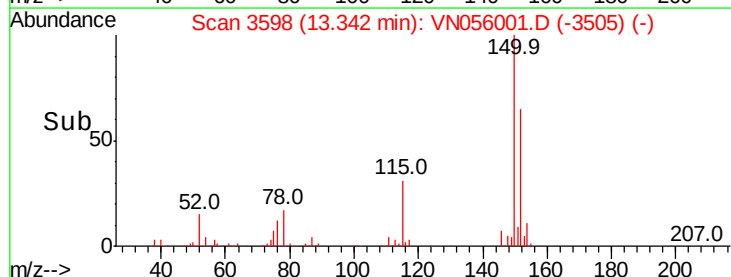
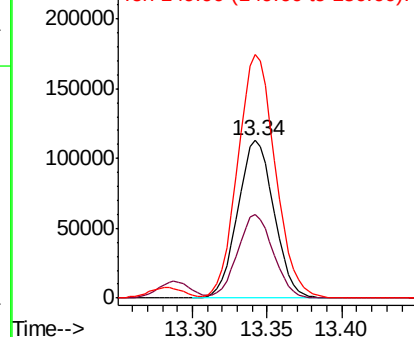
152 100

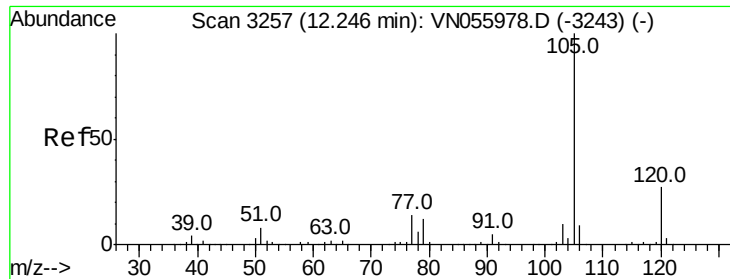
115 52.1 27.0 81.0

150 159.9 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





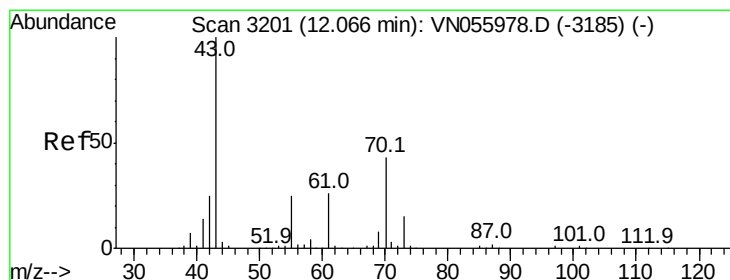
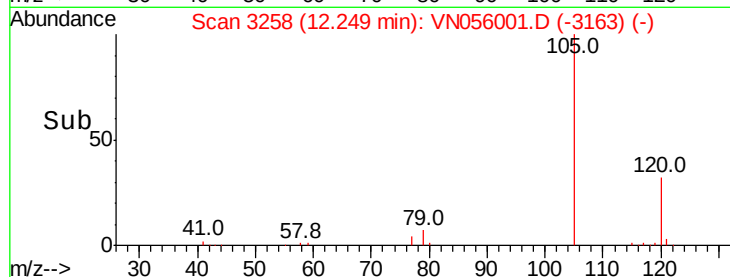
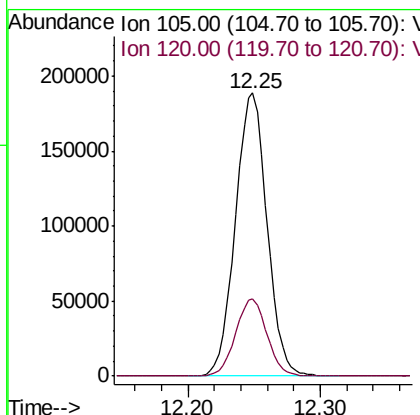
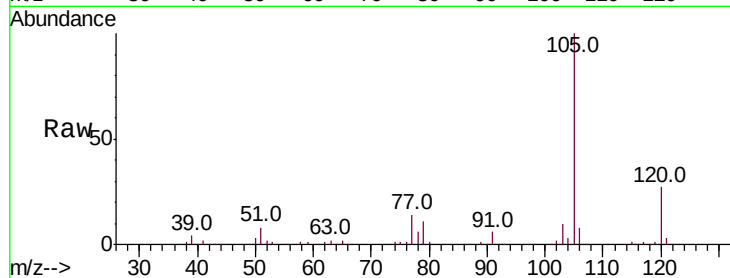
#73
Isopropylbenzene
Concen: 21.570 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0605WBS01

Tot Ion: 105 Resp: 311895
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.7

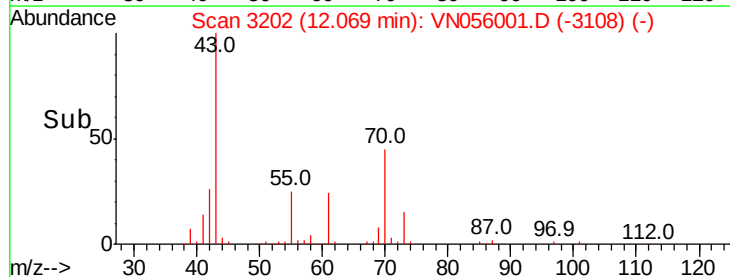
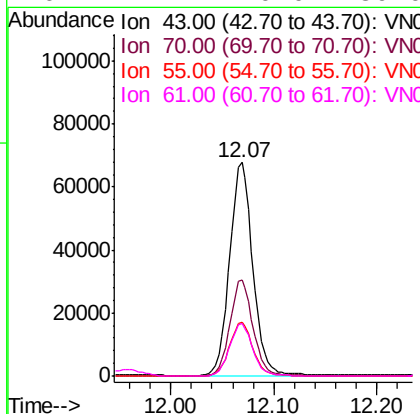
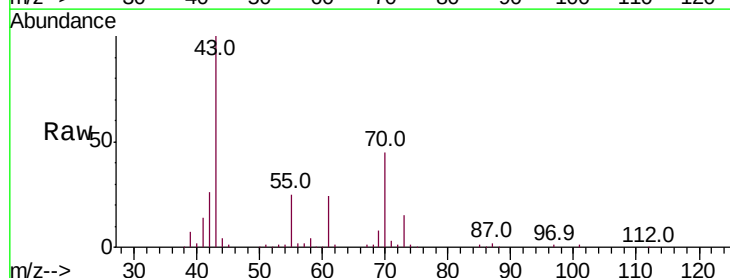
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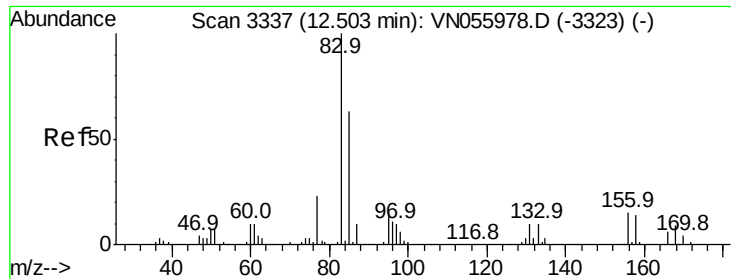
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#74
N-ethyl acetate
Concen: 21.115 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion: 43 Resp: 107334
Ion Ratio Lower Upper
43 100
70 44.4 34.0 51.0
55 25.1 18.6 28.0
61 24.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.468 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

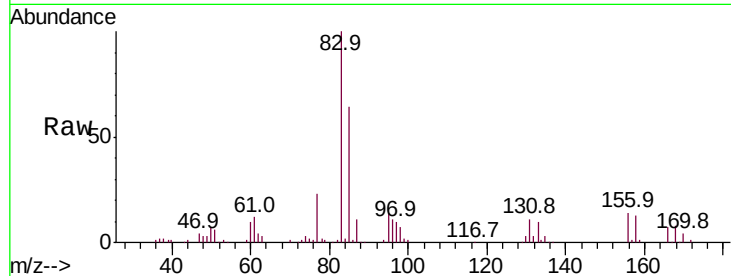
ClientSampleId :

VN0605WBS01

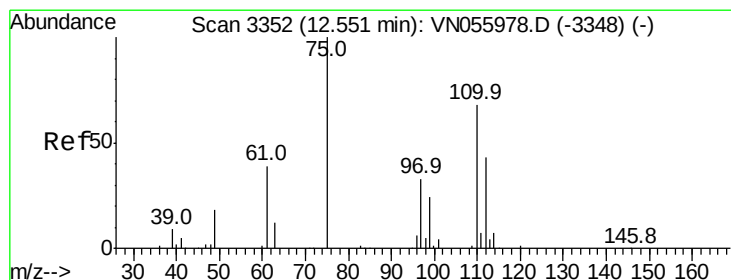
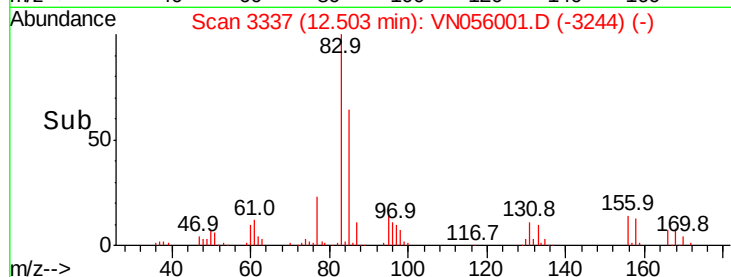
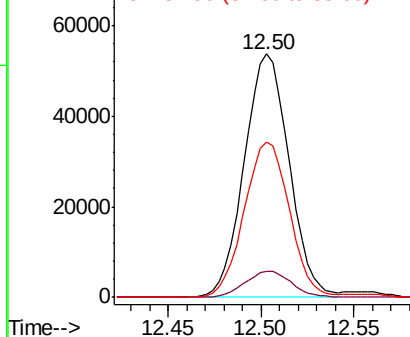
Tot Ion:	83	Resp:	90608
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.4	16.2
85	64.5	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 21.282 ug/l m

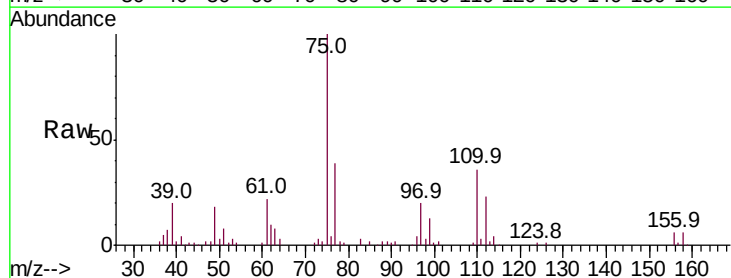
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

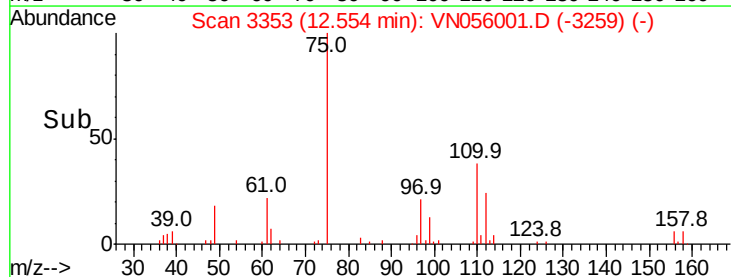
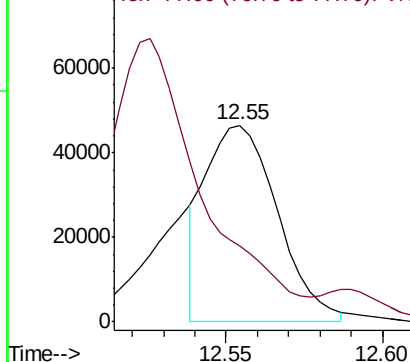
Lab File: VN056001.D

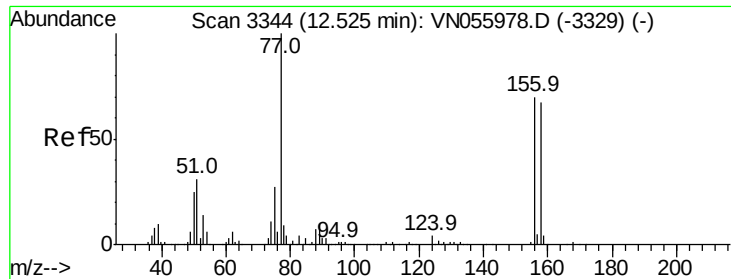
Acq: 5 Jun 2019 11:36

Tgt Ion:	75	Resp:	74676
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.062 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0605WBS01

Tot Ion:156 Resp: 81910

Ion Ratio Lower Upper

156 100

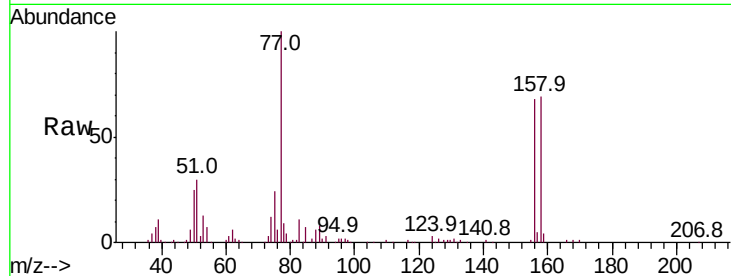
77 174.9 90.8 272.5

158 98.0 49.3 147.8

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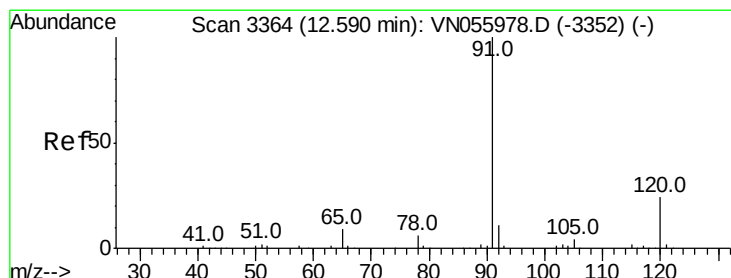
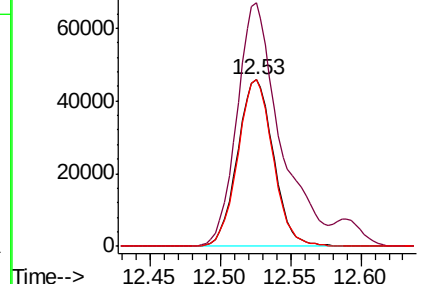
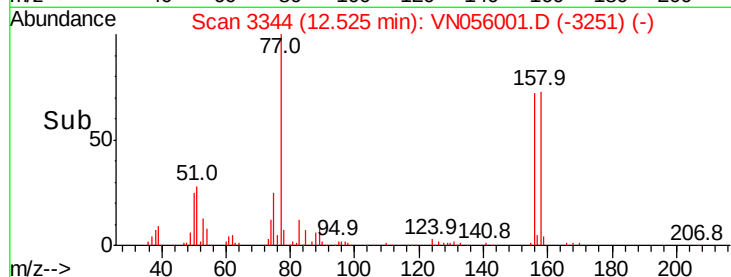
6/6/2019 12:04:47 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.904 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056001.D

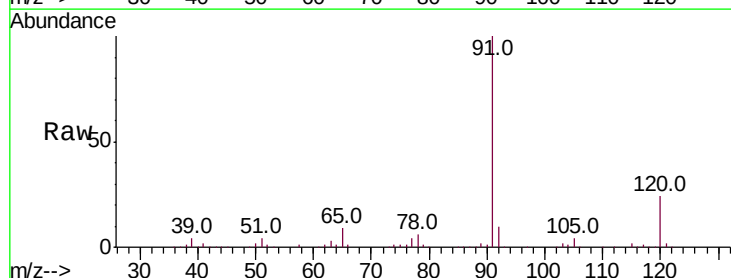
Acq: 5 Jun 2019 11:36

Tgt Ion: 91 Resp: 321111

Ion Ratio Lower Upper

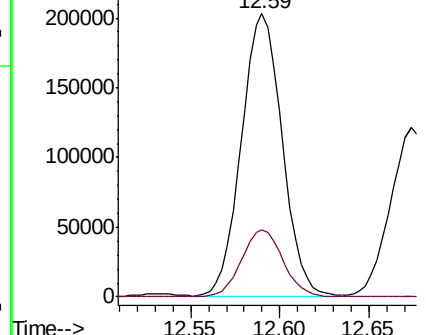
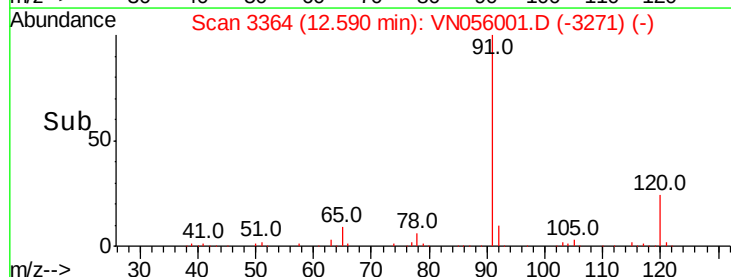
91 100

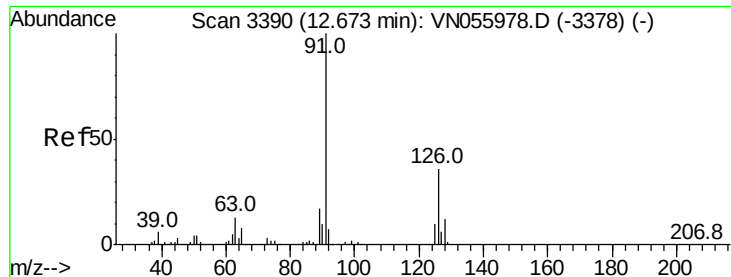
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.770 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0605WBS01

Tot Ion: 91 Resp: 198005

Ion Ratio Lower Upper

91 100

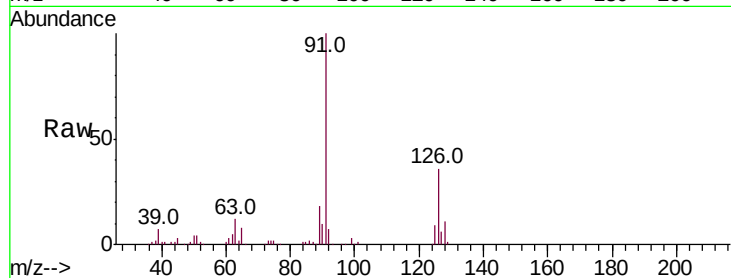
126 36.5 18.1 54.4

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6/6/2019 12:04:47 PM



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

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)

200000

150000

100000

50000

0

12.67

12.65

12.67

12.69

12.71

12.73

12.75

12.77

12.79

12.81

12.83

12.85

12.87

12.89

12.91

12.93

12.95

12.97

12.99

13.01

13.03

13.05

13.07

13.09

13.11

13.13

13.15

13.17

13.19

13.21

13.23

13.25

13.27

13.29

13.31

13.33

13.35

13.37

13.39

13.41

13.43

13.45

13.47

13.49

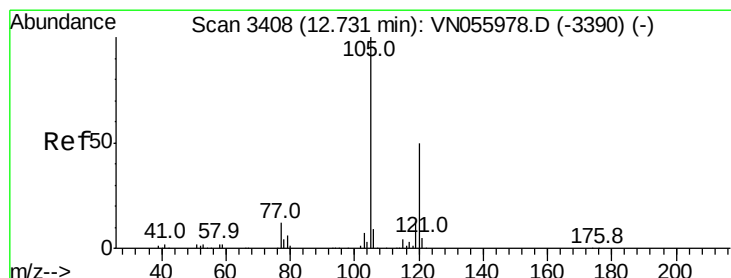
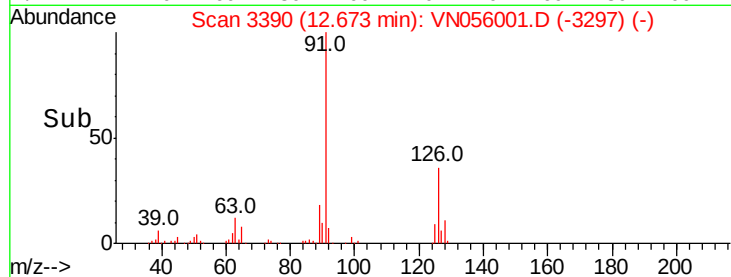
13.51

13.53

13.55

13.57

13.59



#80

1,3,5-Trimethylbenzene

Concen: 19.799 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056001.D

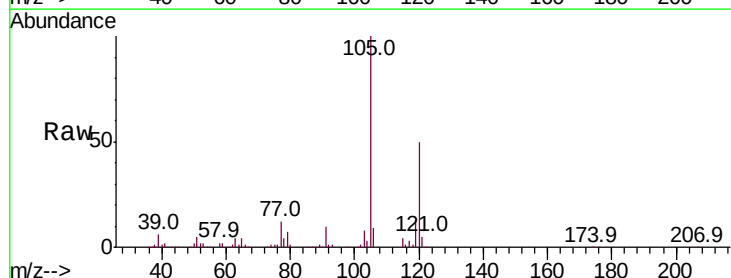
Acq: 5 Jun 2019 11:36

Tgt Ion: 105 Resp: 253856

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1



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

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)

150000

100000

50000

0

12.73

12.71

12.73

12.75

12.77

12.79

12.81

12.83

12.85

12.87

12.89

12.91

12.93

12.95

12.97

12.99

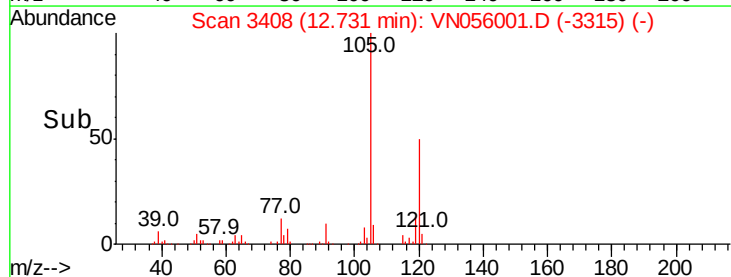
13.01

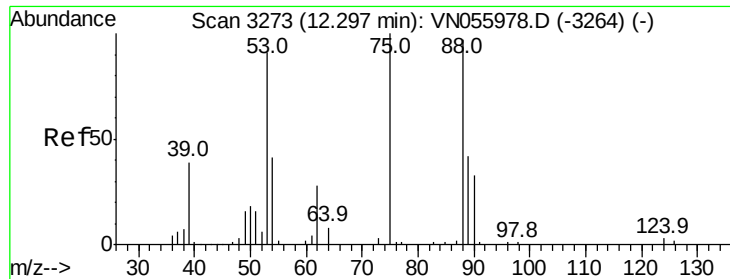
13.03

13.05

13.07

13.09





#81

trans-1,4-Dichloro-2-butene

Concen: 19.461 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

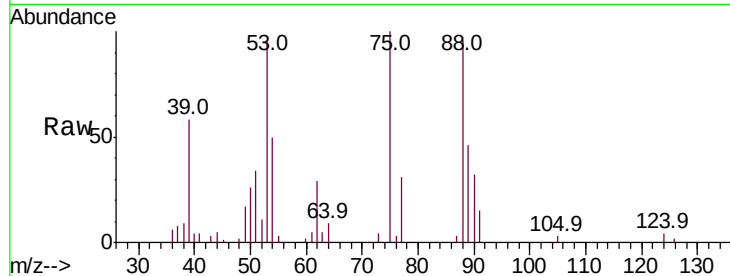
ClientSampled :

VN0605WBS01

Tot Ion:	75	Resp:	20505
Ion	Ratio	Lower	Upper
75	100		
53	99.1	68.1	102.1
89	46.3	36.9	55.3

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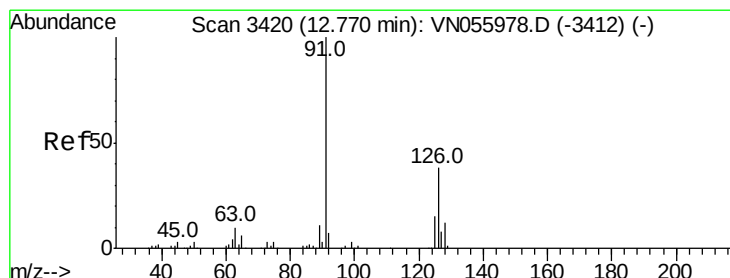
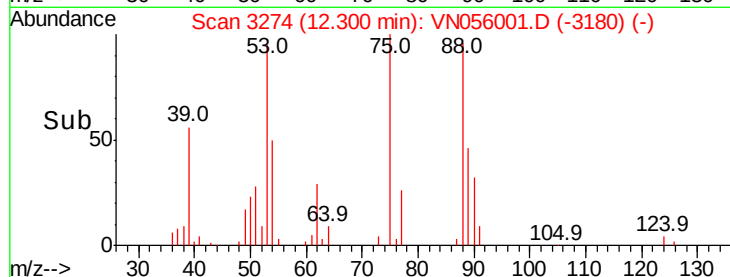
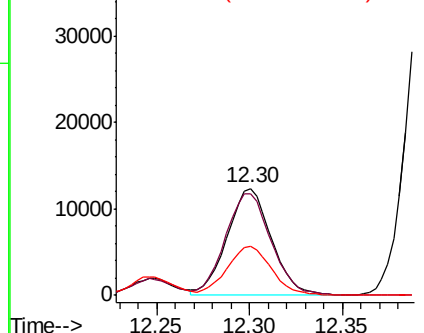
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6/6/2019 12:04:47 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.714 ug/l

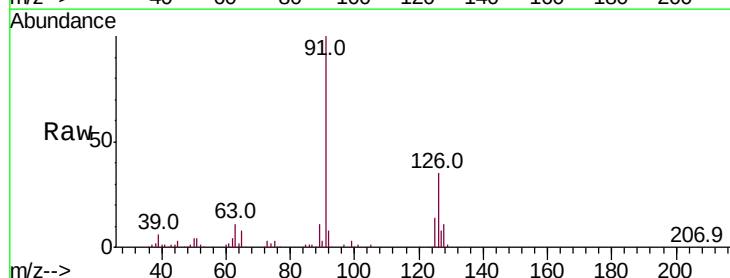
RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056001.D

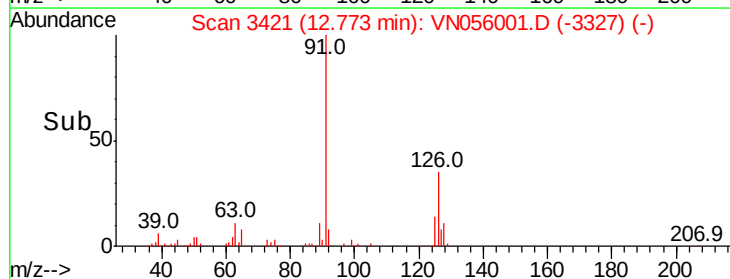
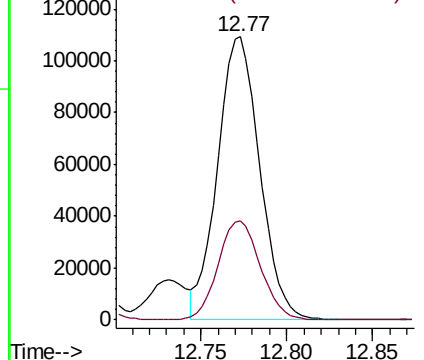
Acq: 5 Jun 2019 11:36

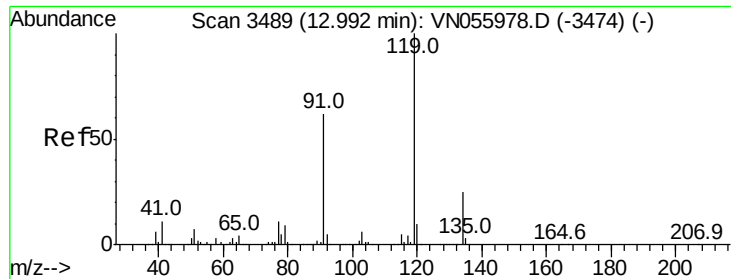
Tgt Ion:	91	Resp:	186065
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





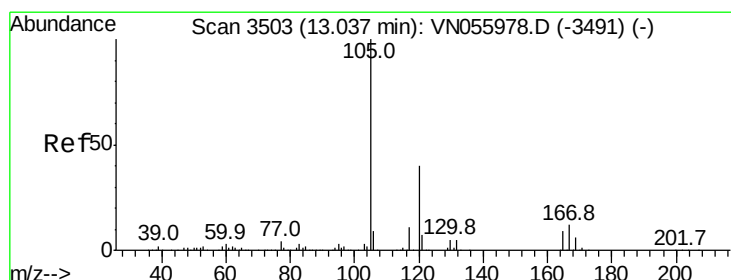
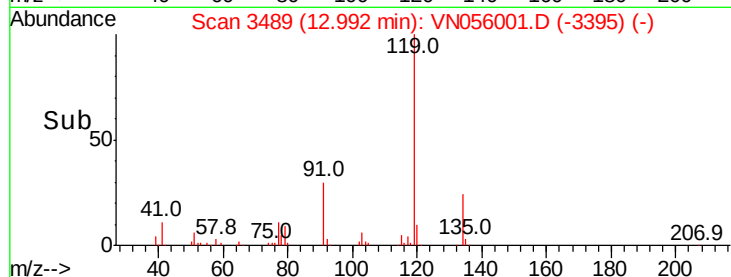
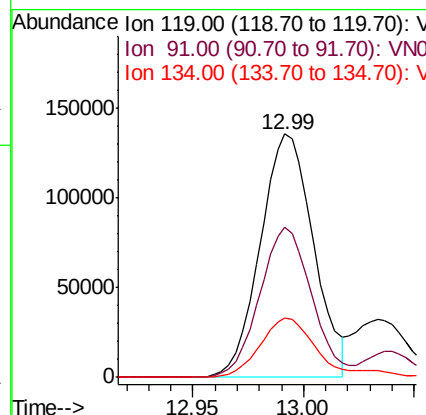
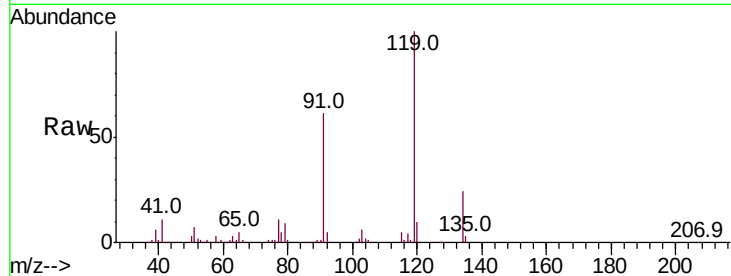
#83
 tert-Butylbenzene
 Concen: 21.267 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0605WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.9	92.8
134	26.6	13.3	39.8

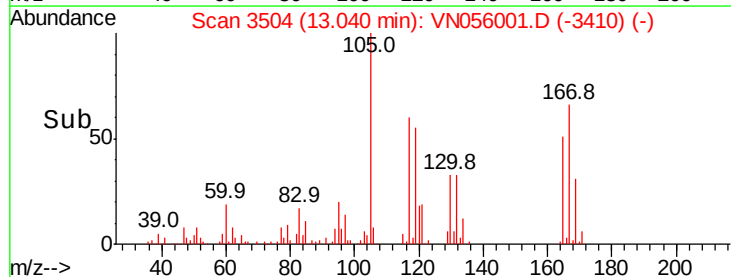
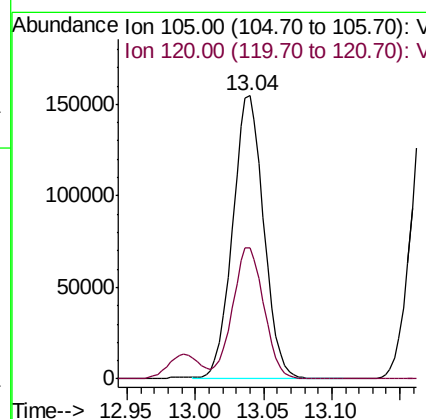
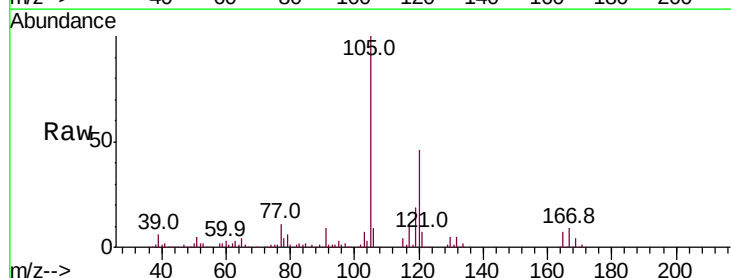
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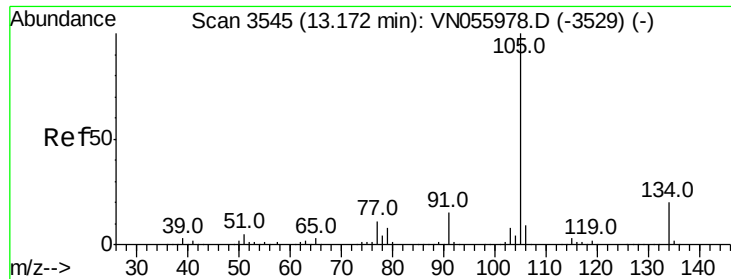
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 6/6/2019 12:04:47 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.123 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 19.843 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0605WBS01

Tot Ion:105 Resp: 283499

Ion Ratio Lower Upper

105 100

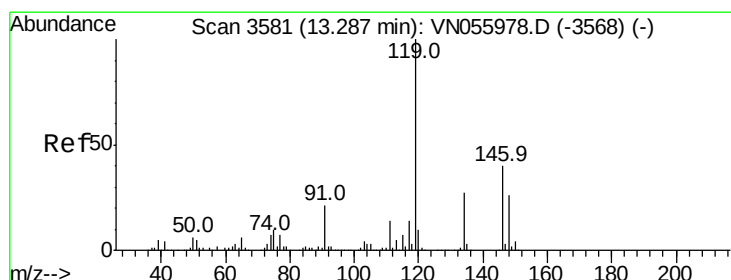
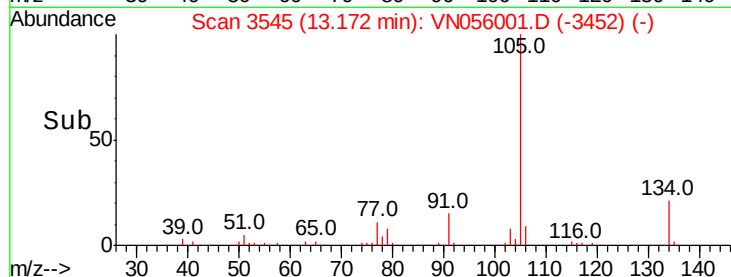
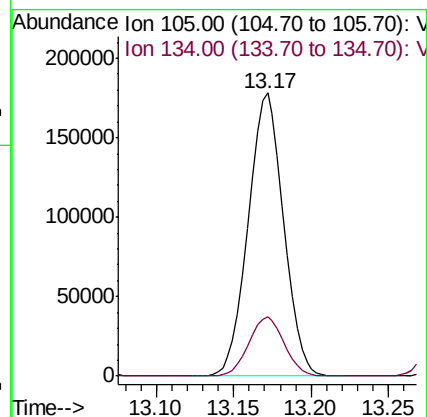
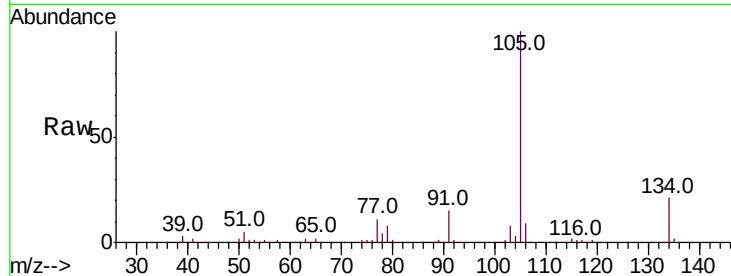
134 20.9 10.4 31.2

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6/6/2019 12:04:47 PM



#86

p-Isopropyltoluene

Concen: 19.651 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

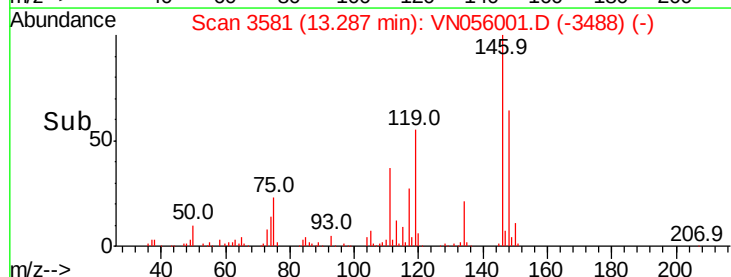
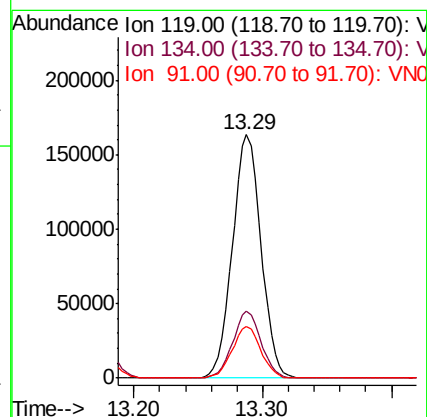
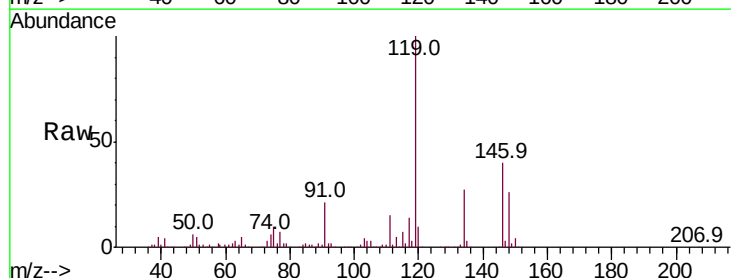
Tgt Ion:119 Resp: 251268

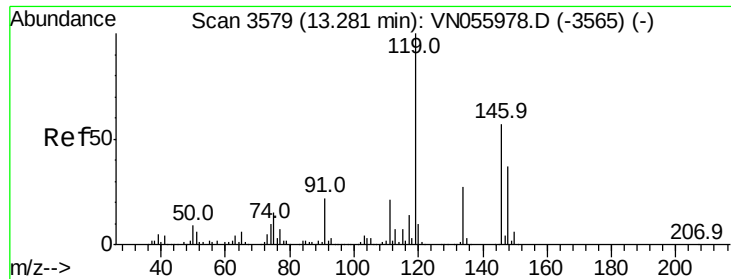
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 21.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 19.585 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056001.D

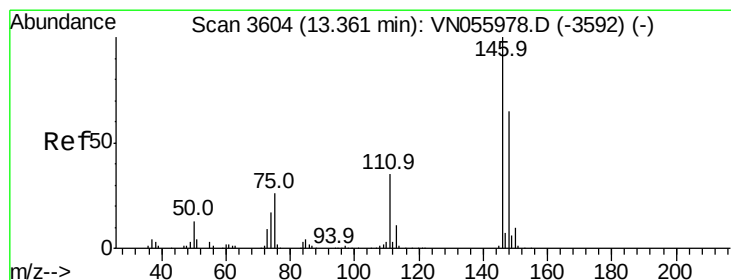
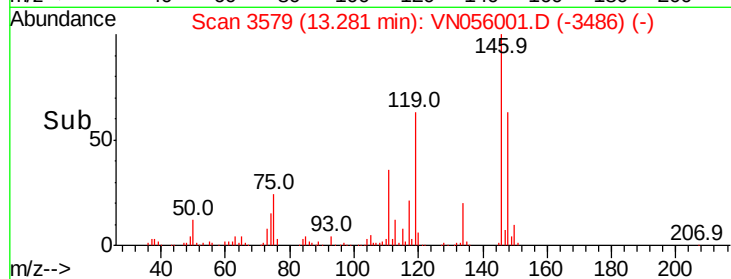
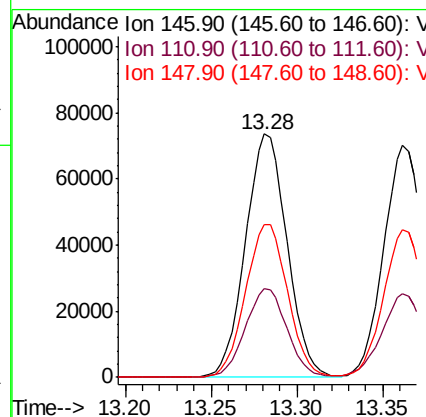
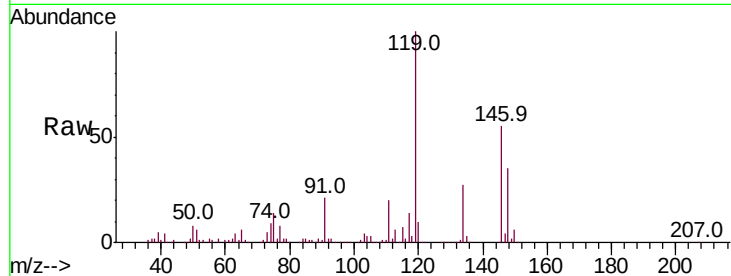
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0605WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.5	55.5
148	63.6	32.0	96.2

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6/6/2019 12:04:47 PM



#88

1,4-Dichlorobenzene

Concen: 19.184 ug/l

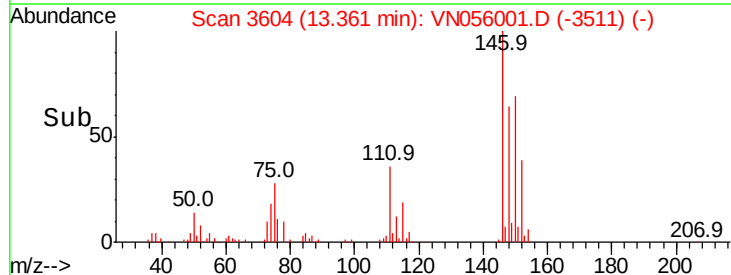
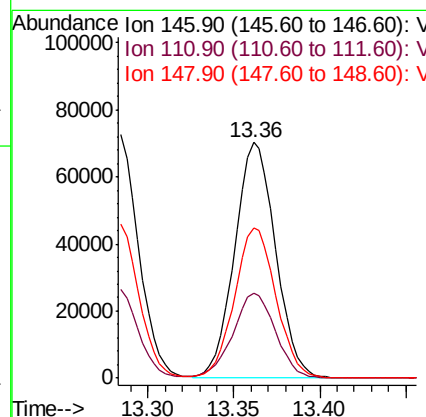
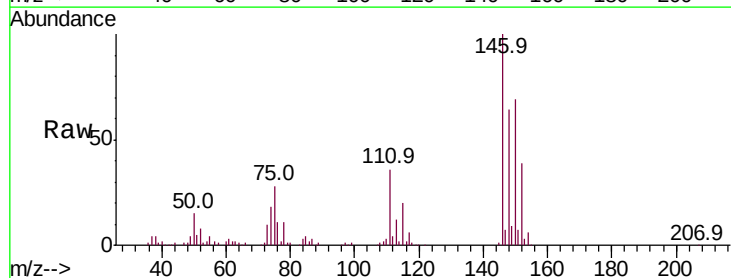
RT: 13.36 min Scan# 3604

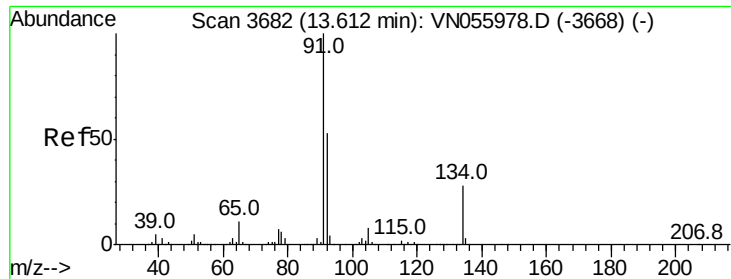
Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.4
148	64.7	32.1	96.5





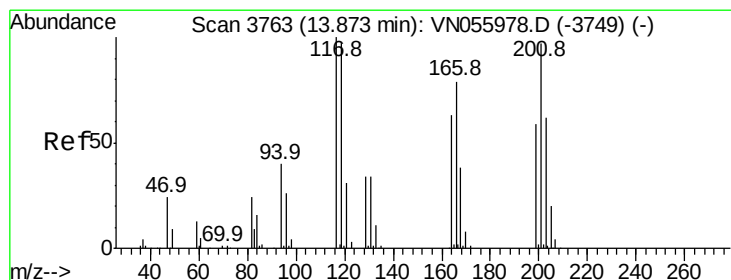
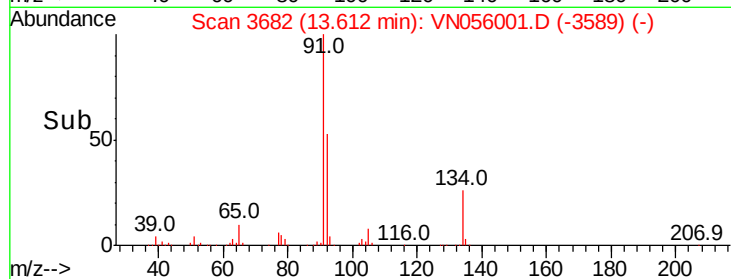
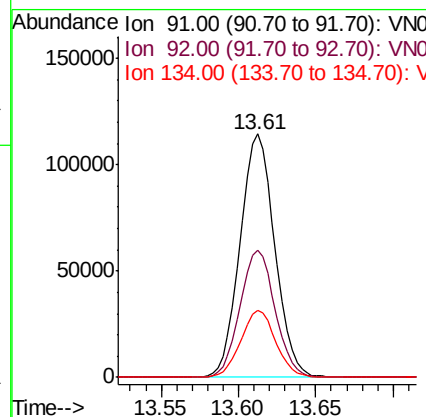
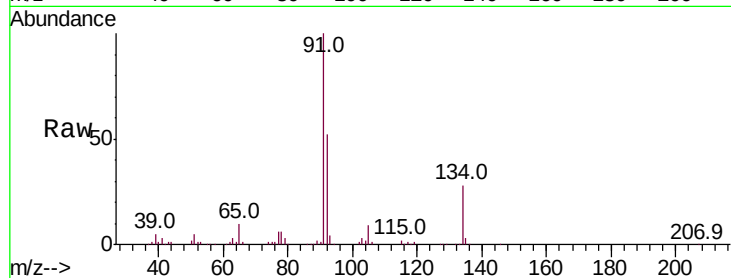
#89
n-Butylbenzene
Concen: 18.845 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0605WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	27.6	13.9	41.7

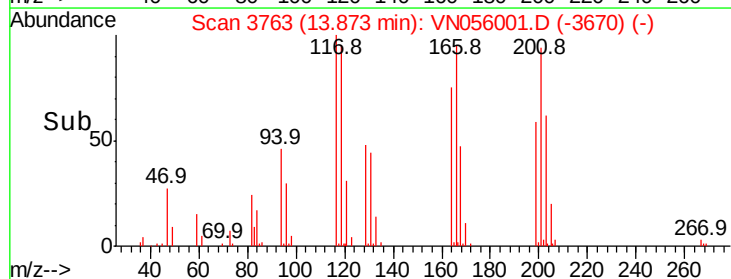
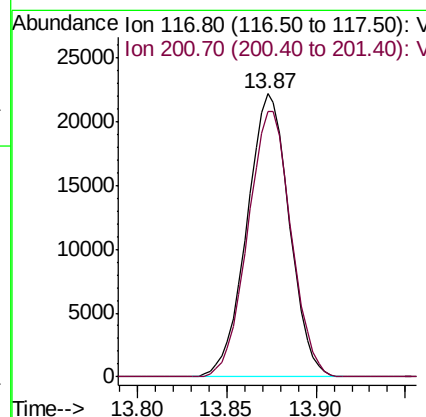
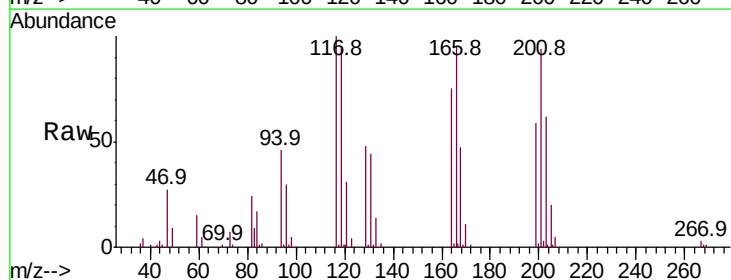
Manual Integrations
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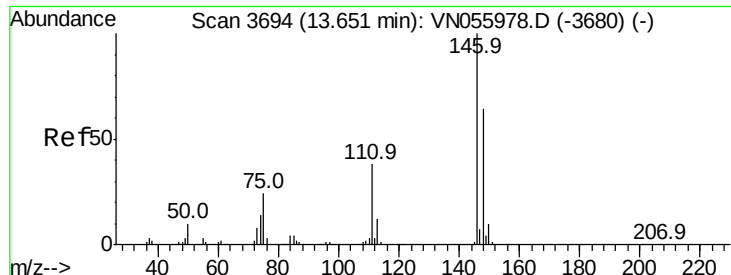
MMDadoda
6/6/2019 12:04:47 PM



#90
Hexachloroethane
Concen: 19.092 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056001.D
Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.5	50.0	150.0





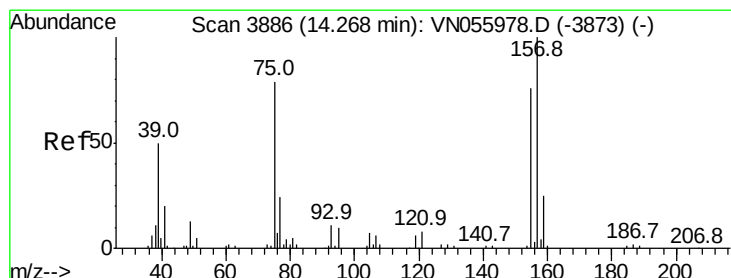
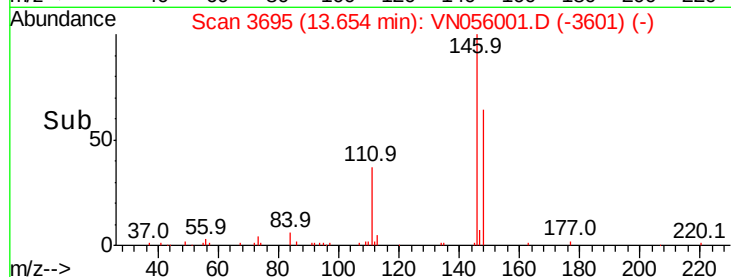
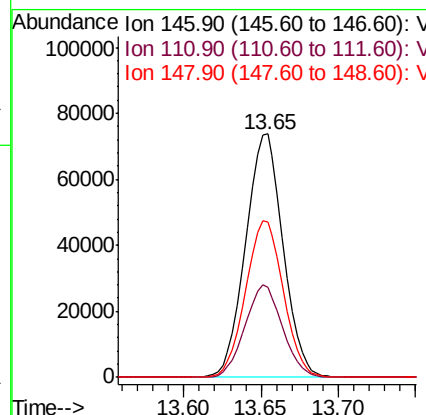
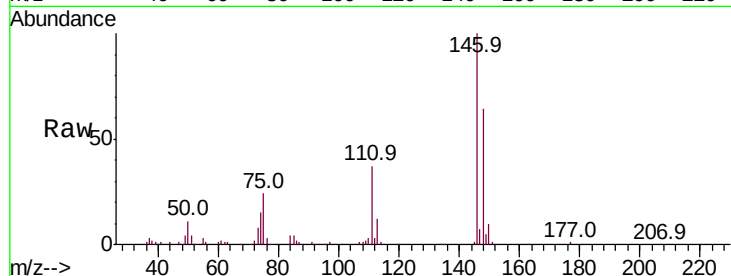
#91
 1,2-Dichlorobenzene
 Concen: 19.501 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0605WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	64.6	31.9	95.9

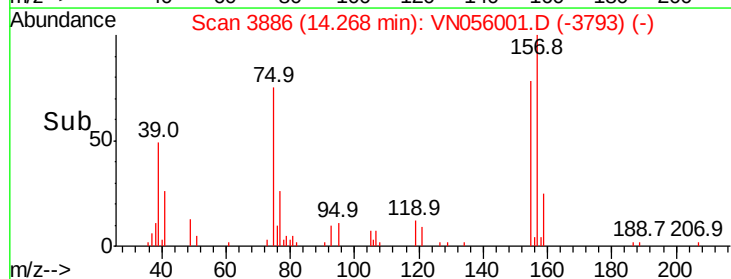
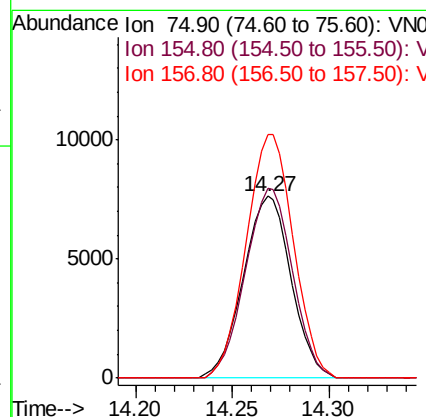
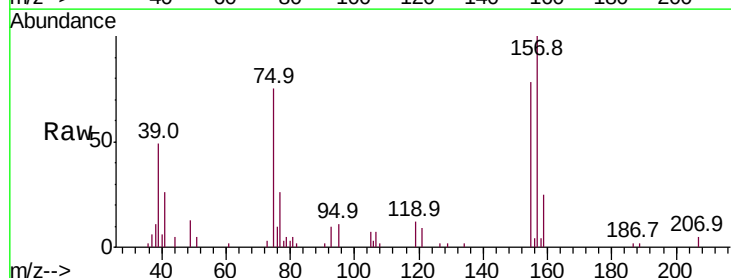
Manual Integrations
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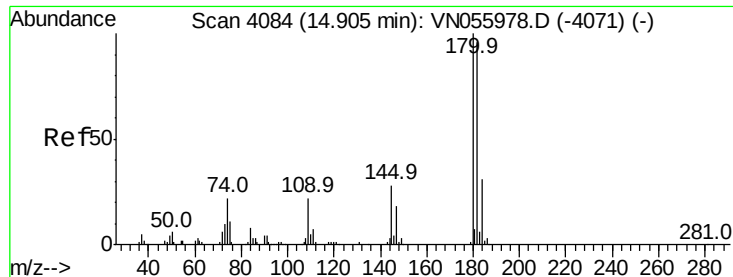
MMDadoda
 6/6/2019 12:04:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.719 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056001.D
 Acq: 5 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.8	50.0	150.1
157	132.4	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 17.188 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

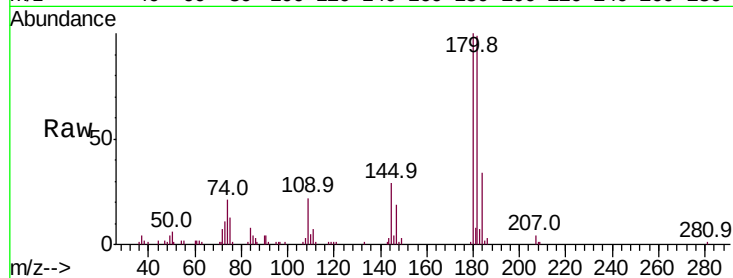
ClientSampleId :

VN0605WBS01

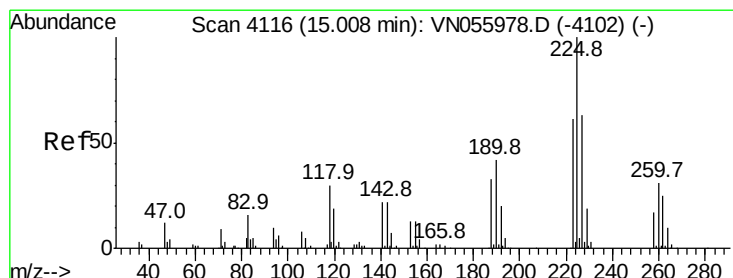
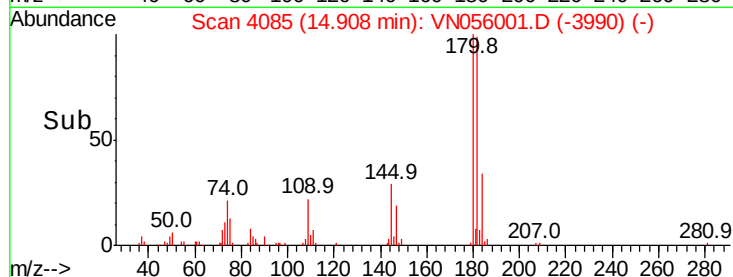
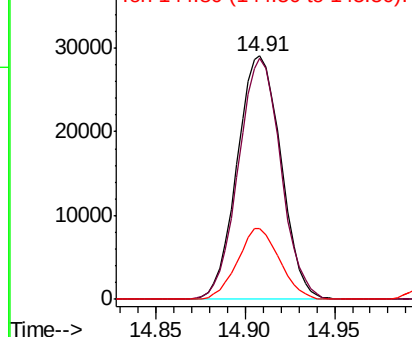
Tot Ion:	180	Resp:	49654
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.3	144.9
145	28.0	14.0	41.9

Manual Integrations
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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: 19.347 ug/l

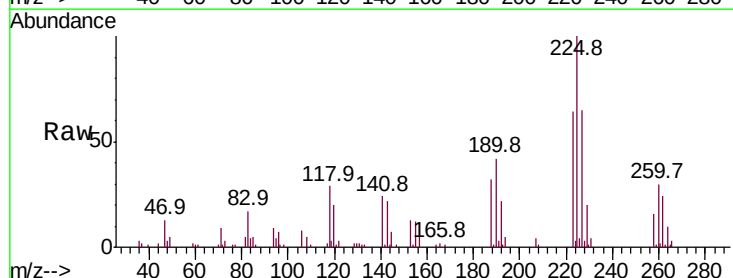
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

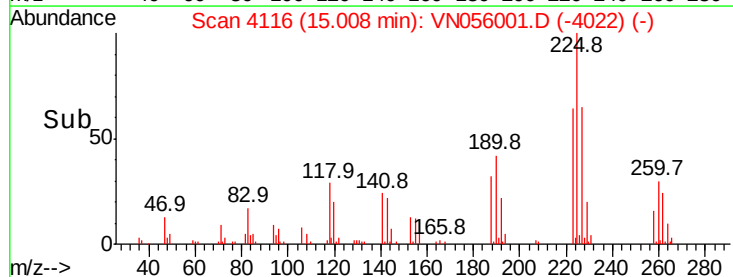
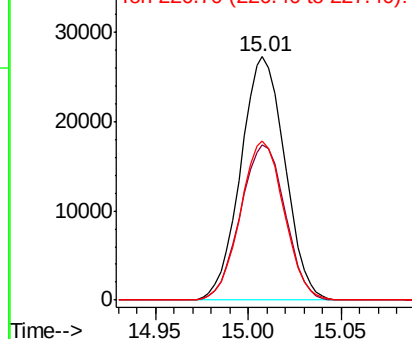
Lab File: VN056001.D

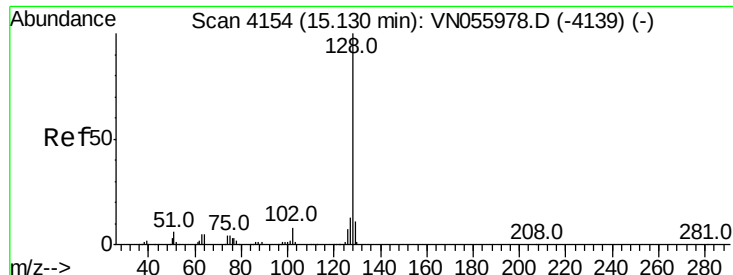
Acq: 5 Jun 2019 11:36

Tgt Ion:	225	Resp:	45130
Ion Ratio	Lower	Upper	
225	100		
223	64.6	30.9	92.7
227	64.7	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: 17.827 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Instrument :

MSVOA_N

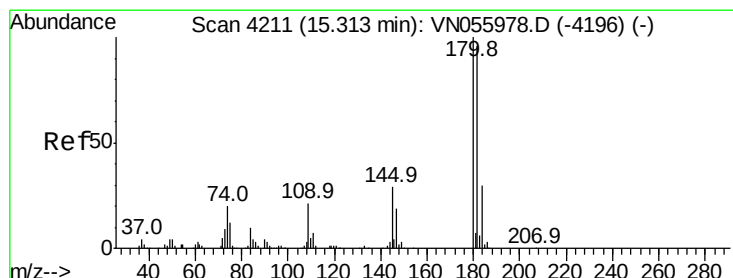
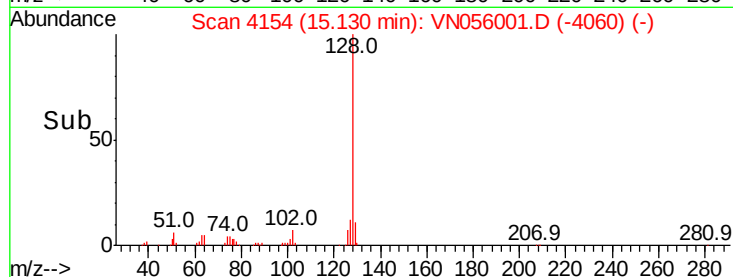
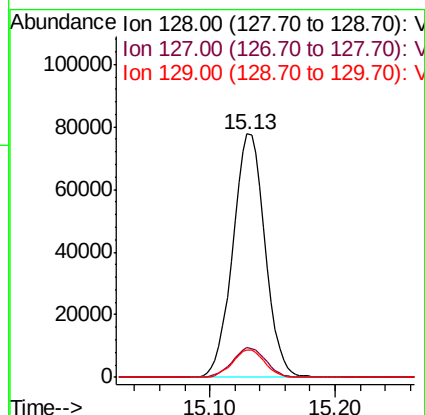
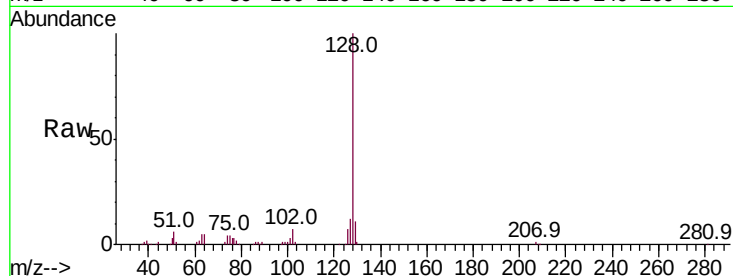
ClientSampled :

VN0605WBS01

Tot Ion:	128	Resp:	138116
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.3	15.5
129	11.2	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 18.022 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056001.D

Acq: 5 Jun 2019 11:36

Tgt Ion:	180	Resp:	57174
Ion Ratio	Lower	Upper	
180	100		
182	97.2	47.9	143.7
145	30.7	14.9	44.7

