

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056150.D
 Acq On : 8 Jun 2019 13:42
 Operator : JC/SP
 Sample : K3225-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:25:41 AM

Quant Time: Jun 10 03:10:13 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	276678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	415213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	375588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	154288	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	
35) Dibromofluoromethane	7.59	113	139725	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
50) Toluene-d8	10.09	98	524745	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.40	95	180805	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	148589	48.893	ug/l	100
3) Chloromethane	2.06	50	166487	55.510	ug/l	98
4) Vinyl Chloride	2.18	62	160879	53.475	ug/l	100
5) Bromomethane	2.53	94	91875	48.344	ug/l	99
6) Chloroethane	2.68	64	92324	52.929	ug/l	100
7) Trichlorofluoromethane	3.00	101	193313	50.333	ug/l	100
8) Diethyl Ether	3.40	74	79790	50.519	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	116479	49.926	ug/l	99
10) Methyl Iodide	3.94	142	177303	47.823	ug/l	99
11) Tert butyl alcohol	4.82	59	111786	233.828	ug/l	99
12) 1,1-Dichloroethene	3.72	96	120687	51.960	ug/l	98
13) Acrolein	3.60	56	32636	236.701	ug/l	98
14) Allyl chloride	4.31	41	175675	47.899	ug/l	97
15) Acrylonitrile	4.99	53	342933	294.678	ug/l	99
16) Acetone	3.82	43	277542	211.237	ug/l	100
17) Carbon Disulfide	4.04	76	259519	46.665	ug/l	99
18) Methyl Acetate	4.33	43	115703	44.771	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	393406	53.137	ug/l	100
20) Methylene Chloride	4.54	84	144882	53.523	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	131328	52.771	ug/l	96
22) Diisopropyl ether	5.95	45	408556	53.888	ug/l	97
23) Vinyl Acetate	5.90	43	1057437	177.112	ug/l	99
24) 1,1-Dichloroethane	5.84	63	235792	53.916	ug/l	99
25) 2-Butanone	6.84	43	435066	262.079	ug/l	100
26) 2,2-Dichloropropane	6.82	77	68797	20.160	ug/l	88
27) cis-1,2-Dichloroethene	6.83	96	158689	54.246	ug/l	92
28) Bromochloromethane	7.19	49	115615	55.903	ug/l	99
29) Tetrahydrofuran	7.22	42	294261	286.763	ug/l	100
30) Chloroform	7.37	83	238321	54.171	ug/l	99
31) Cyclohexane	7.65	56	208198	47.761	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	191972	52.255	ug/l	99
36) 1,1-Dichloropropene	7.79	75	171278	47.974	ug/l	99
37) Ethyl Acetate	6.93	43	130471	41.072	ug/l	98
38) Carbon Tetrachloride	7.77	117	161398	49.034	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198040	44.528	ug/l	98
40) Benzene	8.04	78	558404	51.496	ug/l	99
41) Methacrylonitrile	7.17	41	85004	58.160	ug/l	97
42) 1,2-Dichloroethane	8.12	62	177698	50.945	ug/l	99
43) Isopropyl Acetate	8.17	43	216558	42.069	ug/l #	93
44) Trichloroethene	8.83	130	157990	50.704	ug/l	98
45) 1,2-Dichloropropane	9.12	63	147808	53.216	ug/l	99
46) Dibromomethane	9.21	93	95117	52.369	ug/l	98
47) Bromodichloromethane	9.40	83	169170	51.390	ug/l	99
48) Methyl methacrylate	9.20	41	137719	54.685	ug/l	96
49) 1,4-Dioxane	9.20	88	55516	1021.096	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	891169	276.838	ug/l	100
52) Toluene	10.15	92	352589	52.254	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	154900	40.608	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	183200	46.299	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	143355	53.634	ug/l	99
56) Ethyl methacrylate	10.43	69	212854	54.587	ug/l	99
57) 1,3-Dichloropropane	10.71	76	231500	53.279	ug/l	100
59) 2-Hexanone	10.75	43	620881	266.115	ug/l	100
60) Dibromochloromethane	10.90	129	138323	47.074	ug/l	99
61) 1,2-Dibromoethane	11.00	107	147261	53.894	ug/l	99
64) Tetrachloroethene	10.63	164	147990	45.519	ug/l	97
65) Chlorobenzene	11.43	112	378145	50.588	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	134135	51.970	ug/l	100
67) Ethyl Benzene	11.51	91	647479	49.815	ug/l	99
68) m/p-Xylenes	11.62	106	501824	101.067	ug/l	98
69) o-Xylene	11.95	106	248499	50.879	ug/l	98
70) Stvrene	11.96	104	411510	53.028	ug/l	99
71) Bromoform	12.13	173	98812	45.842	ug/l #	100
73) Isopropylbenzene	12.25	105	645674	53.858	ug/l	100
74) N-amyl acetate	12.07	43	153413	34.100	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	200625	51.207	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	158721m	51.110	ug/l	
77) Bromobenzene	12.53	156	176408	48.821	ug/l	95
78) n-propylbenzene	12.59	91	683096	47.843	ug/l	99
79) 2-Chlorotoluene	12.67	91	424613	53.792	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	525115	46.276	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	33299	35.709	ug/l #	87
82) 4-Chlorotoluene	12.77	91	405718	48.570	ug/l	99
83) tert-Butylbenzene	12.99	119	472534	53.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	521392	48.452	ug/l	99
85) sec-Butylbenzene	13.17	105	596871	47.204	ug/l	100
86) p-Isopropyltoluene	13.29	119	533870	47.177	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	280061	50.078	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	267042	49.639	ug/l	99
89) n-Butylbenzene	13.61	91	388090	46.295	ug/l	100
90) Hexachloroethane	13.87	117	81185	47.571	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	279135	49.438	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29370	52.411	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	126645	41.497	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	94942	48.985	ug/l	99
95) Naphthalene	15.13	128	342071	42.963	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142382	45.212	ug/l	99

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

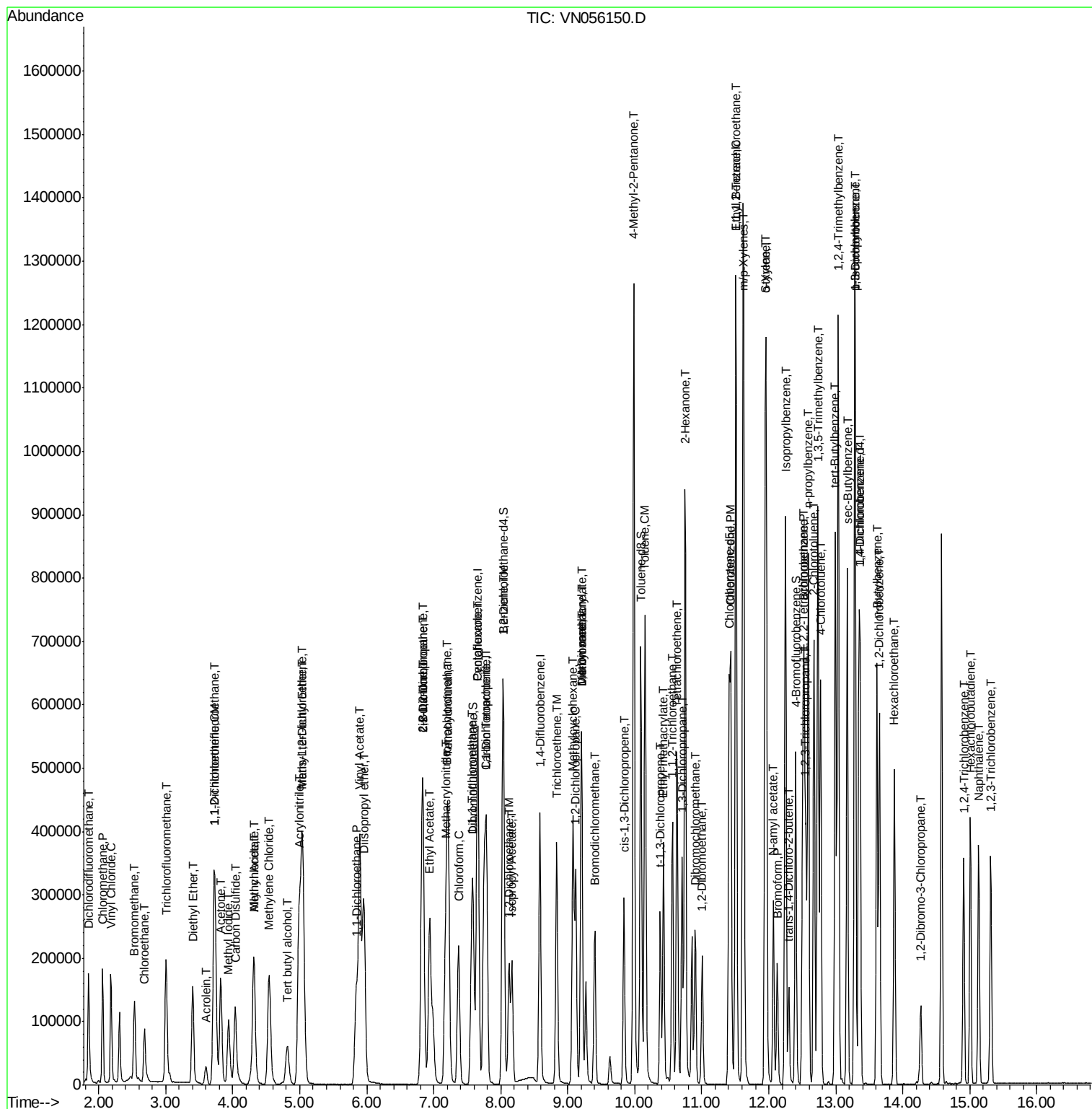
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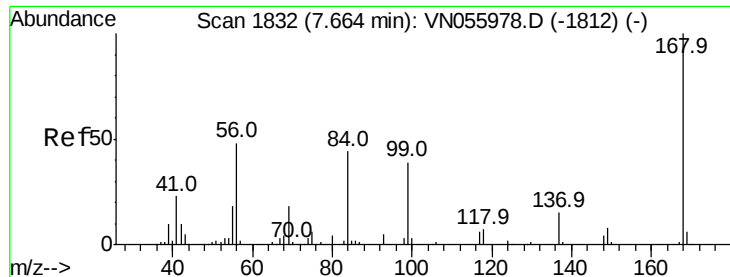
Instrument :
MSVOA_N
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion:168 Resp: 276678

Ion Ratio Lower Upper

168 100

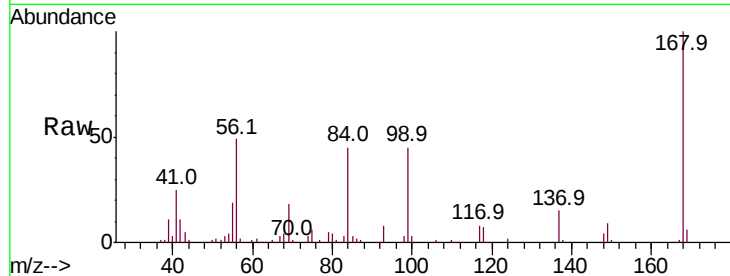
99 44.6 37.2 55.8

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

120000

100000

80000

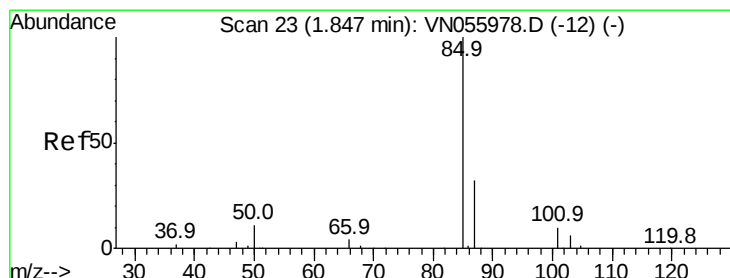
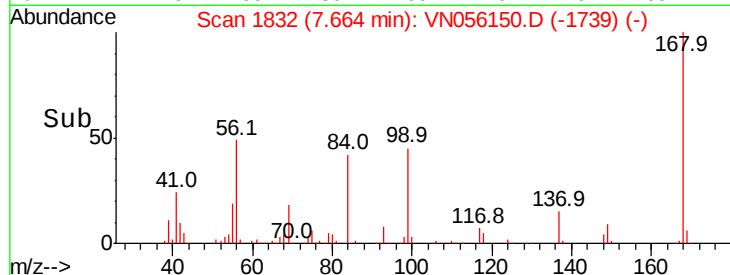
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.893 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056150.D

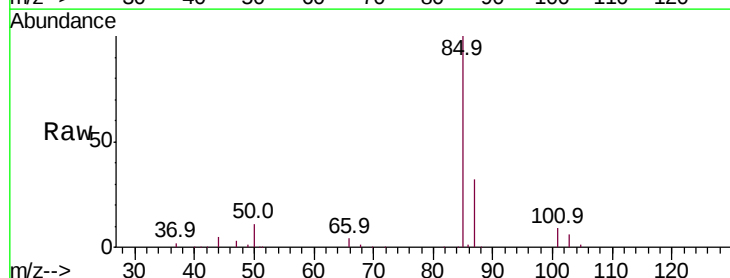
Acq: 8 Jun 2019 13:42

Tgt Ion: 85 Resp: 148589

Ion Ratio Lower Upper

85 100

87 32.3 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

100000

80000

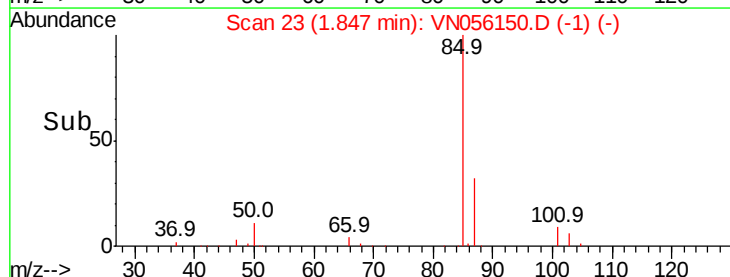
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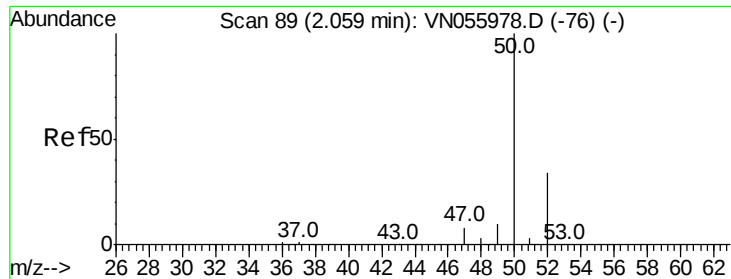
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20000

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Time-->





#3

Chloromethane

Concen: 55.510 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion: 50 Resp: 166487

Ion Ratio Lower Upper

50 100

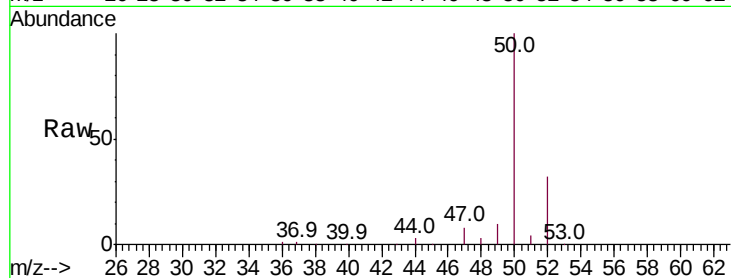
52 32.4 26.6 40.0

Manual Integrations

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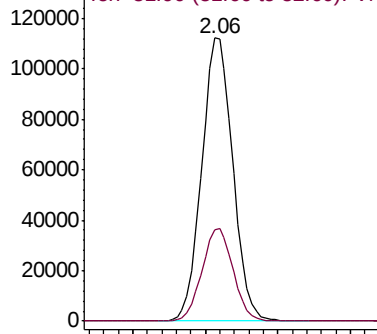
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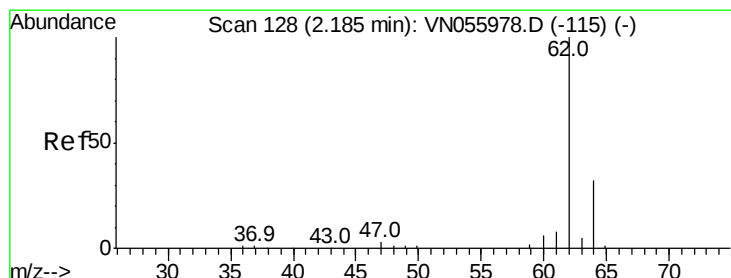
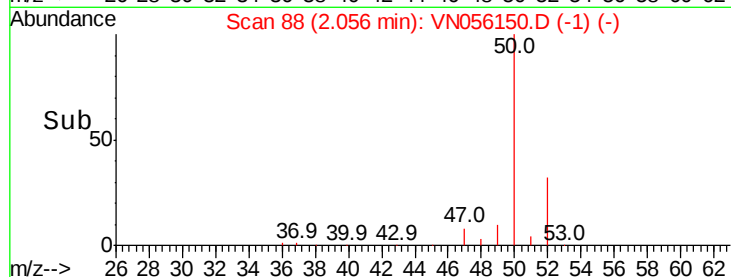


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 53.475 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056150.D

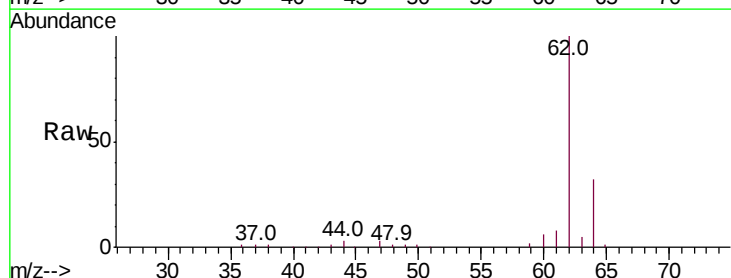
Acq: 8 Jun 2019 13:42

Tgt Ion: 62 Resp: 160879

Ion Ratio Lower Upper

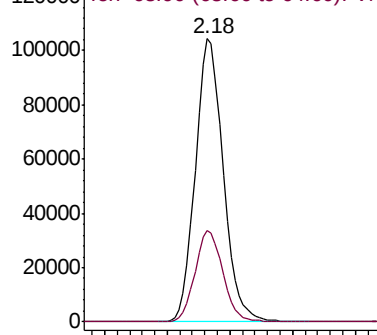
62 100

64 32.3 25.6 38.4

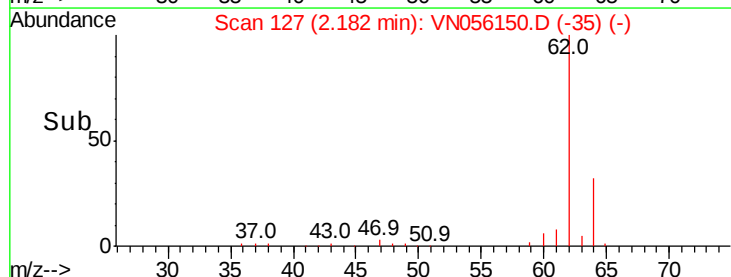


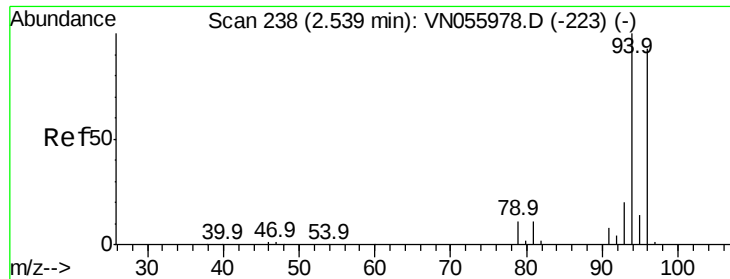
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 48.344 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

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Tot Ion: 94 Resp: 91875

Ion Ratio Lower Upper

94 100

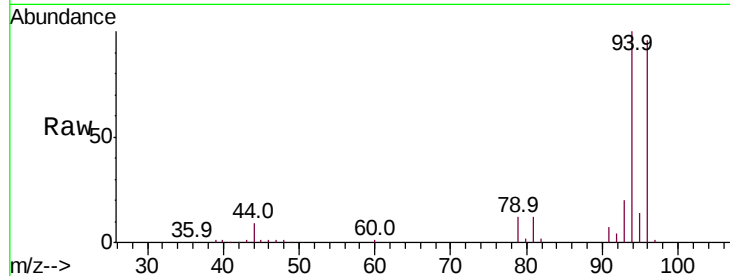
96 95.7 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN055978.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN055978.D (-223) (-)

2.53

50000

40000

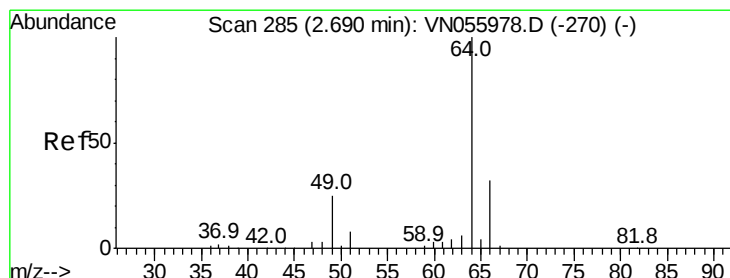
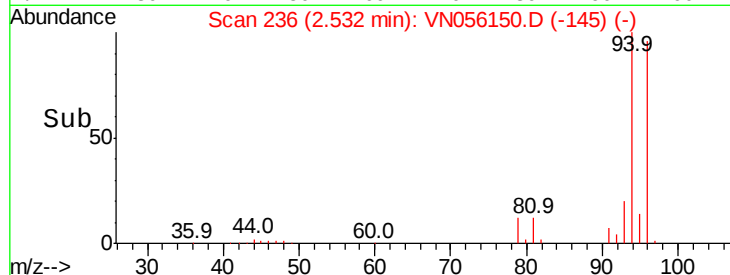
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20000

10000

0

Time-->



#6

Chloroethane

Concen: 52.929 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056150.D

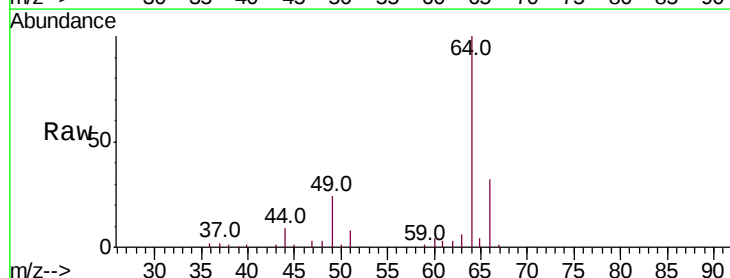
Acq: 8 Jun 2019 13:42

Tgt Ion: 64 Resp: 92324

Ion Ratio Lower Upper

64 100

66 31.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN055978.D (-270) (-)

Ion 65.90 (65.60 to 66.60): VN055978.D (-270) (-)

2.68

50000

40000

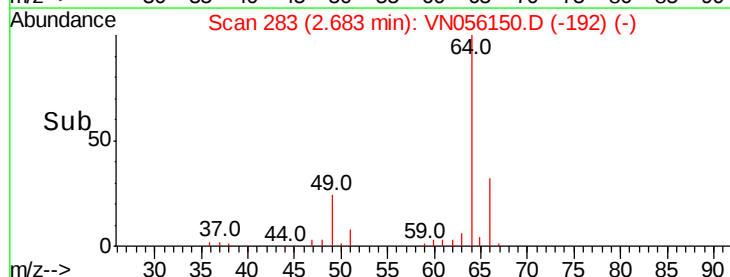
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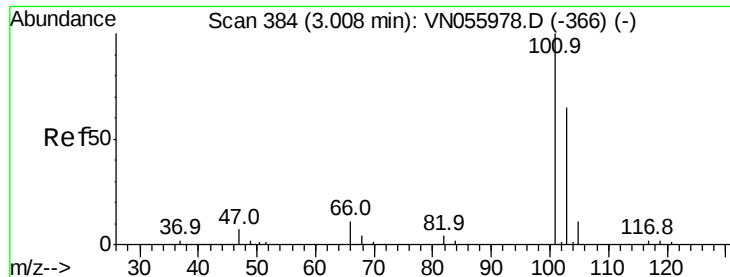
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10000

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Time-->





#7

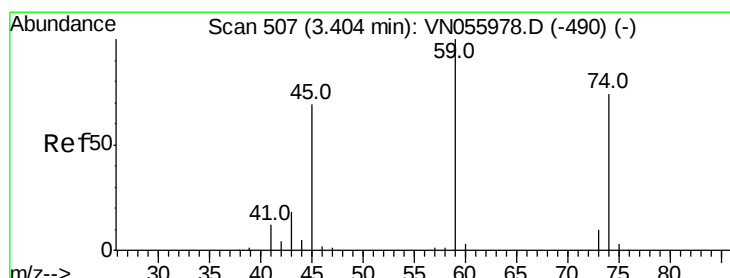
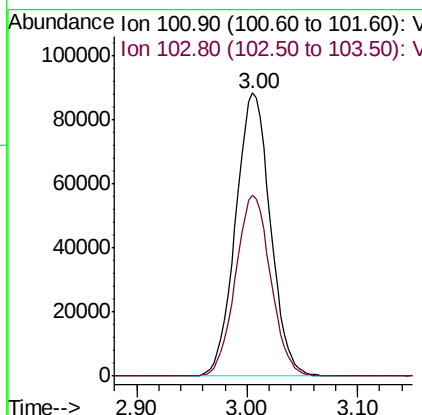
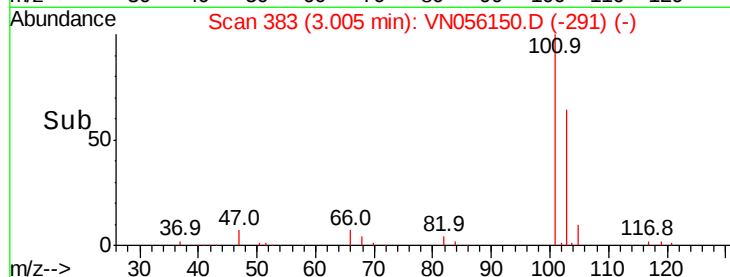
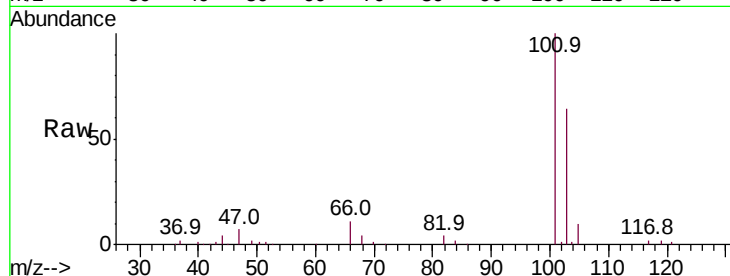
Trichlorofluoromethane
Concen: 50.333 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
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ClientSampleId :
SP19-MMW-3414MS

Tot Ion:101 Resp: 193313
Ion Ratio Lower Upper
101 100
103 63.8 51.2 76.8

Manual Integrations
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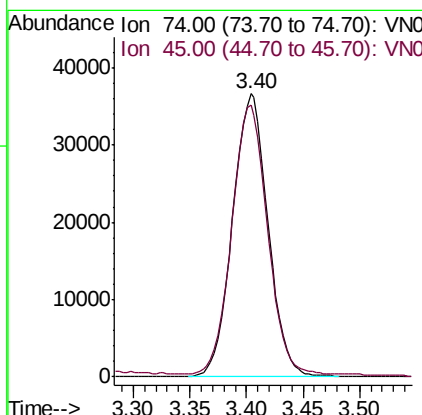
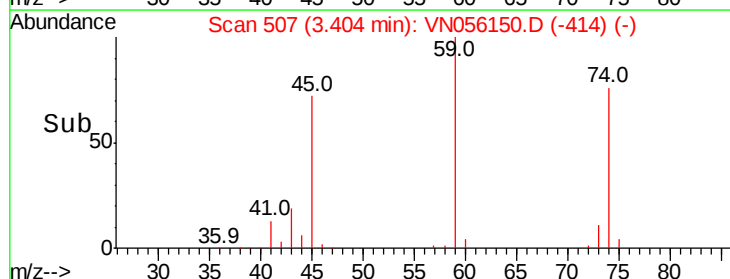
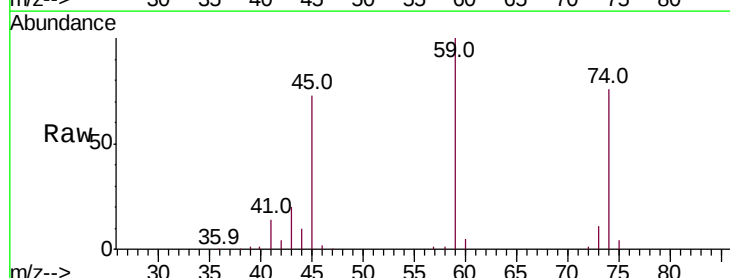
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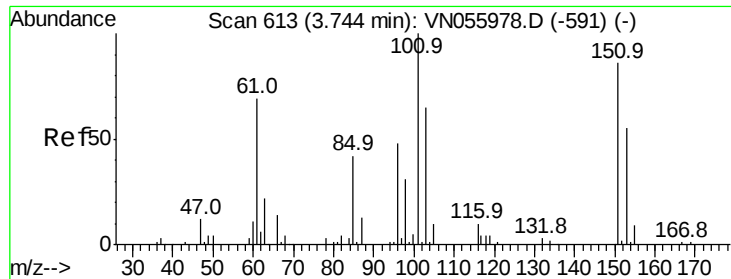


#8

Diethyl Ether
Concen: 50.519 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 74 Resp: 79790
Ion Ratio Lower Upper
74 100
45 94.7 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.926 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

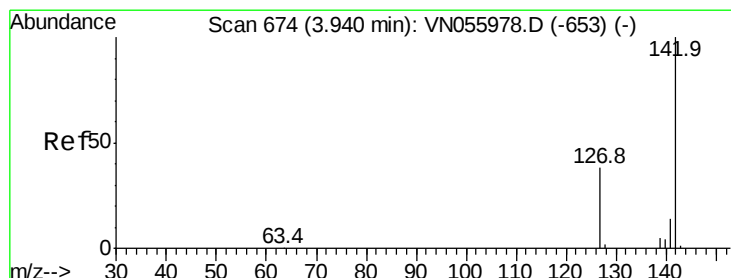
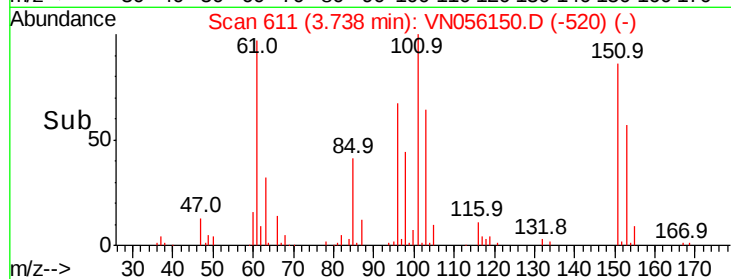
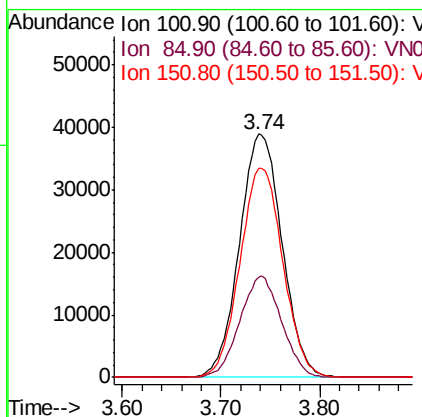
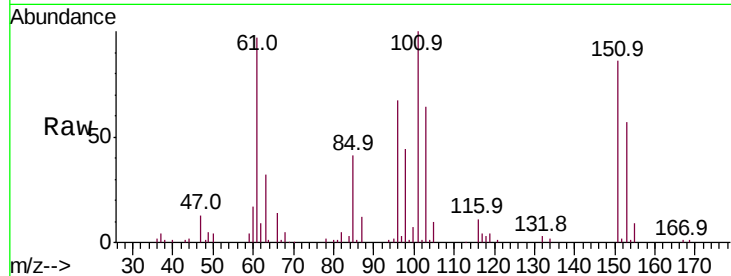
ClientSampleId :

SP19-MMW-3414MS

Tot Ion:	101	Resp:	116479
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.4	50.2
151	86.6	69.4	104.2

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#10

Methyl Iodide

Concen: 47.823 ug/l

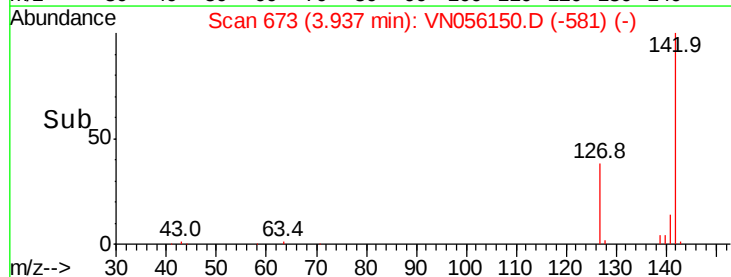
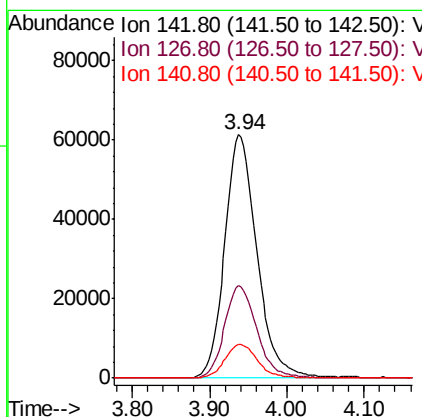
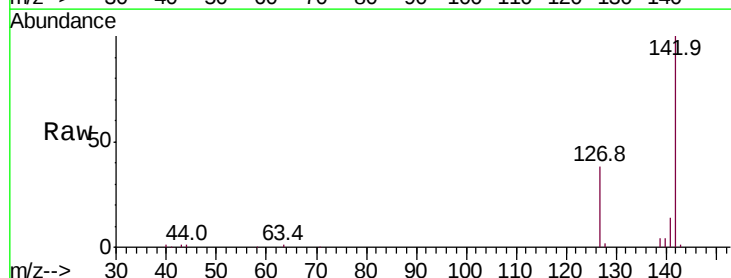
RT: 3.94 min Scan# 673

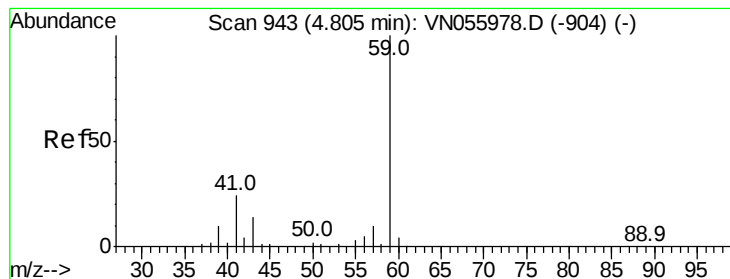
Delta R.T. -0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion:	142	Resp:	177303
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.0	46.4
141	14.0	11.4	17.0





#11

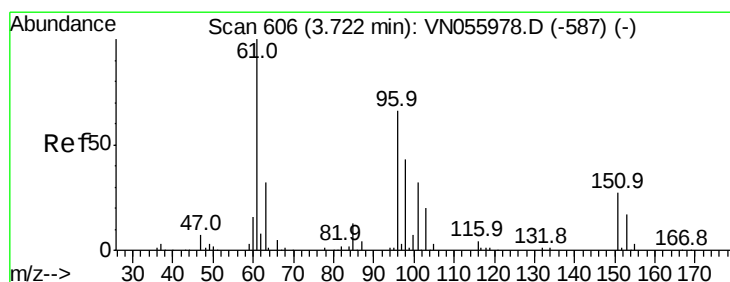
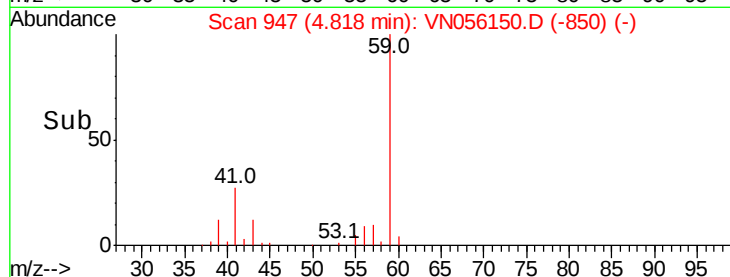
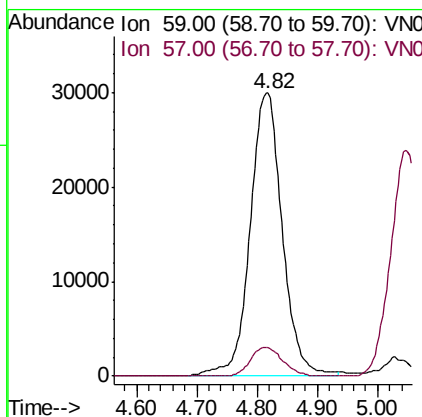
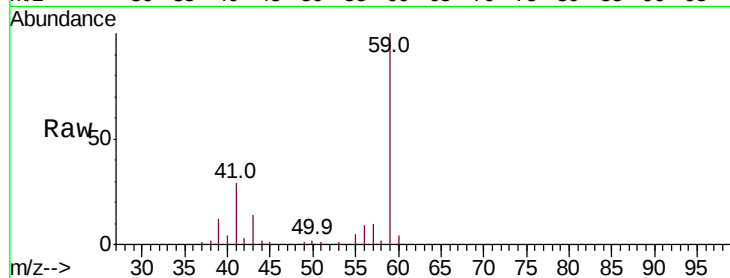
Tert butyl alcohol
 Concen: 233.828 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.6

Manual Integrations
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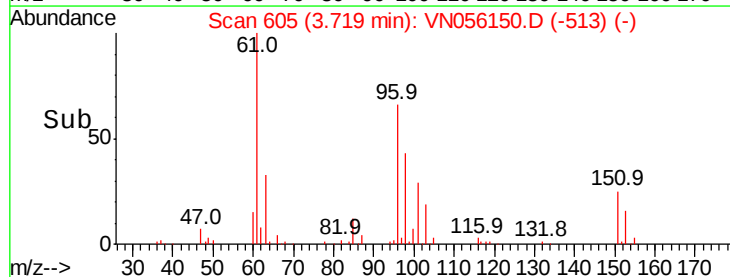
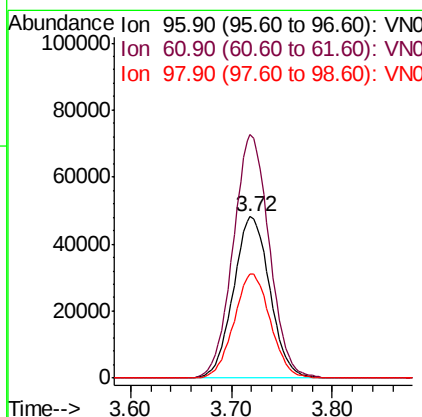
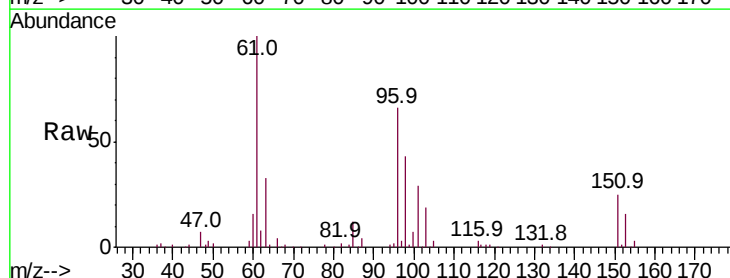
MMDadoda
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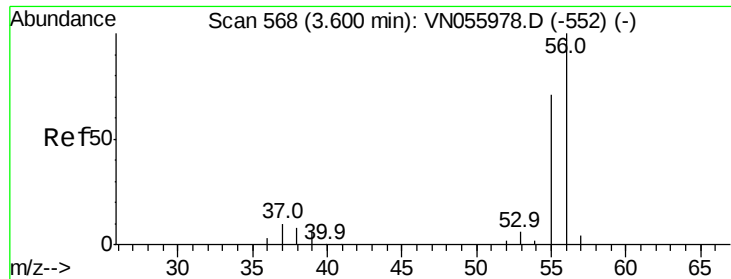


#12

1,1-Dichloroethene
 Concen: 51.960 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.0	123.2	184.8
98	64.5	50.4	75.6





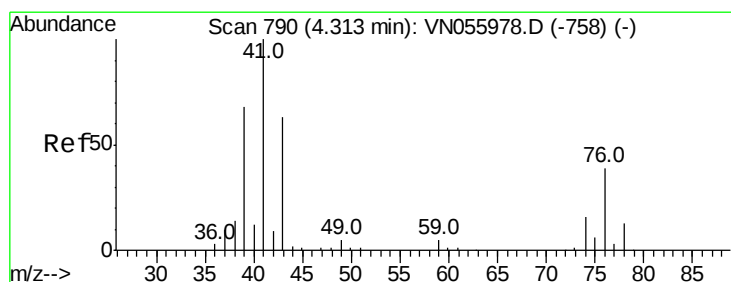
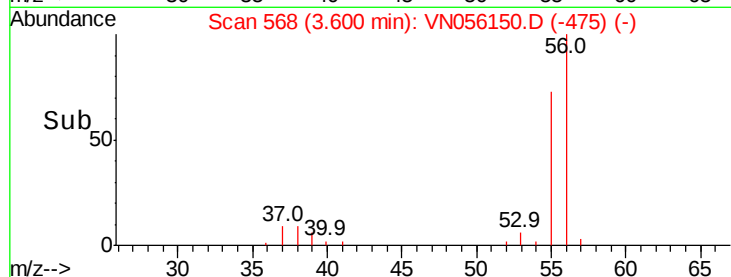
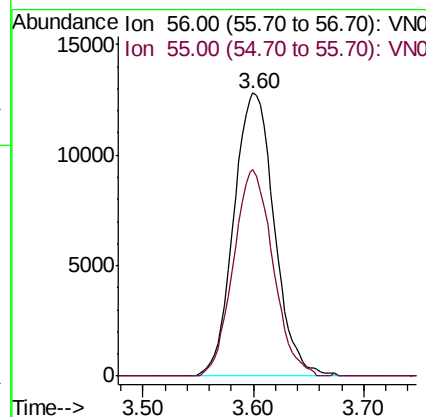
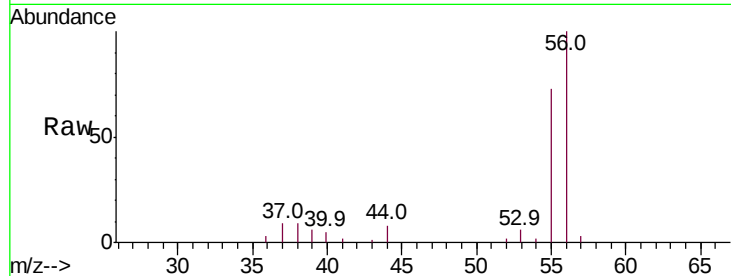
#13
Acrolein
Concen: 236.701 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 56 Resp: 32636
Ion Ratio Lower Upper
56 100
55 71.1 55.4 83.2

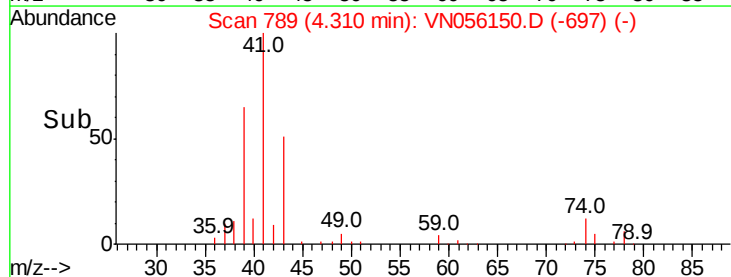
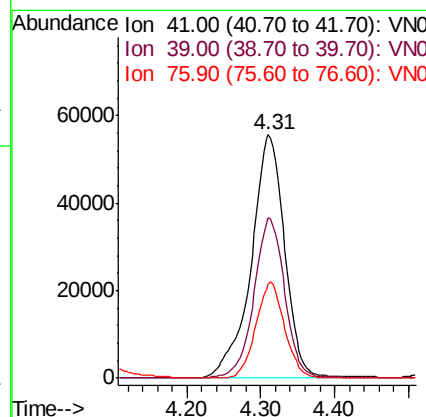
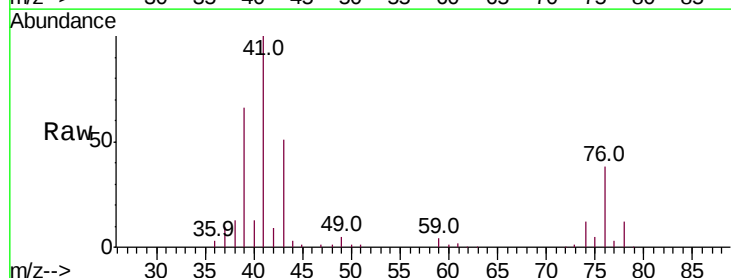
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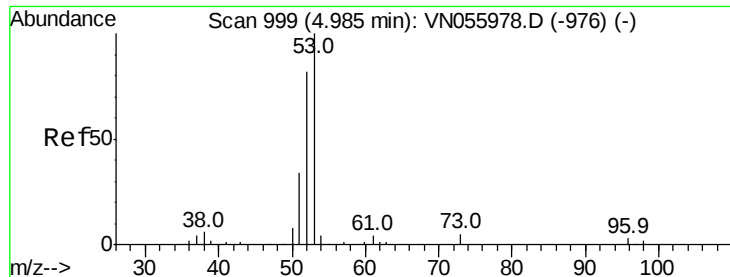
MMDadoda
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#14
Allyl chloride
Concen: 47.899 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 41 Resp: 175675
Ion Ratio Lower Upper
41 100
39 60.4 50.0 75.0
76 33.8 28.2 42.2





#15

Acrylonitrile

Concen: 294.678 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

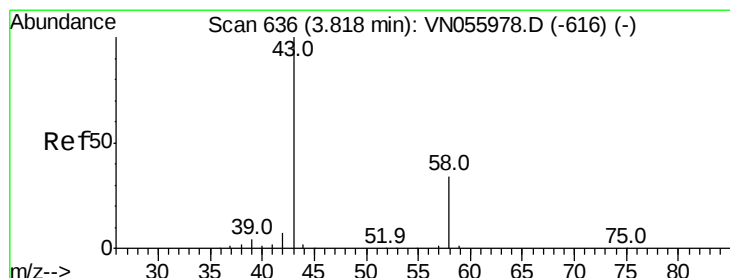
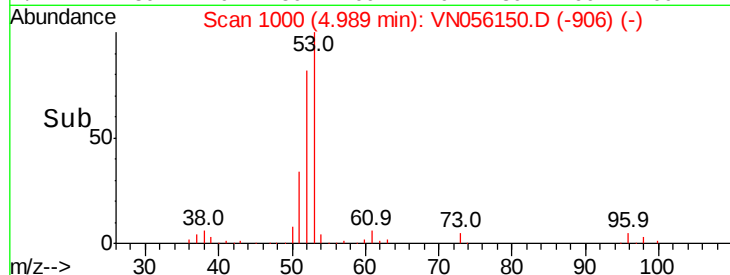
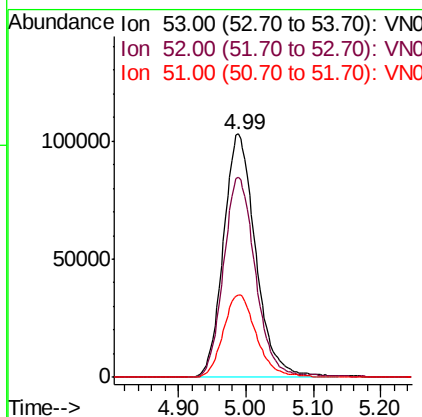
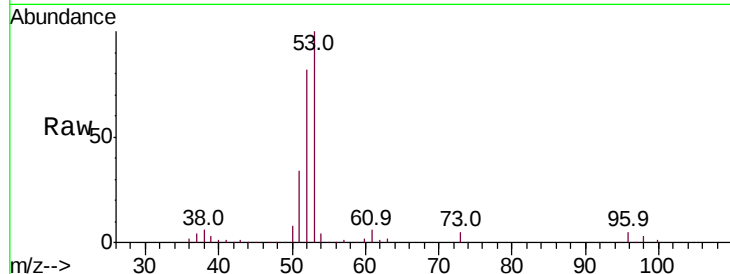
ClientSampleId :

SP19-MMW-3414MS

Tot Ion:	53	Resp:	342933
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.8	98.8
51	34.9	28.2	42.4

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#16

Acetone

Concen: 211.237 ug/l

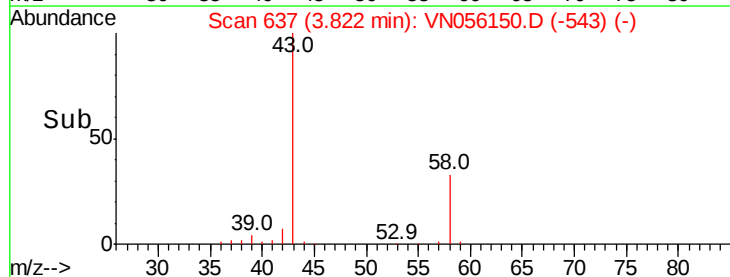
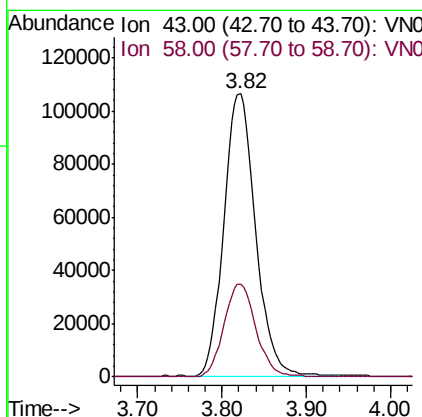
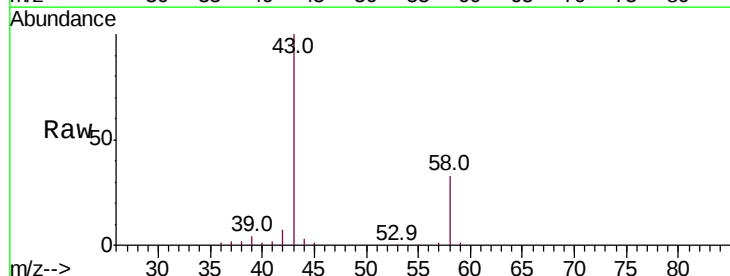
RT: 3.82 min Scan# 637

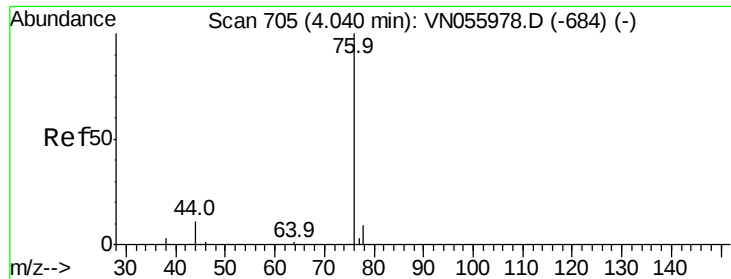
Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion:	43	Resp:	277542
Ion Ratio	Lower	Upper	
43	100		
58	33.0	26.6	39.8





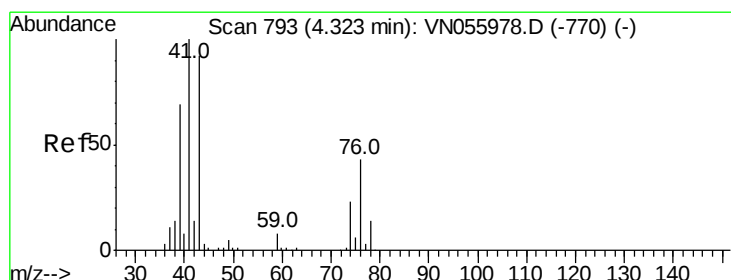
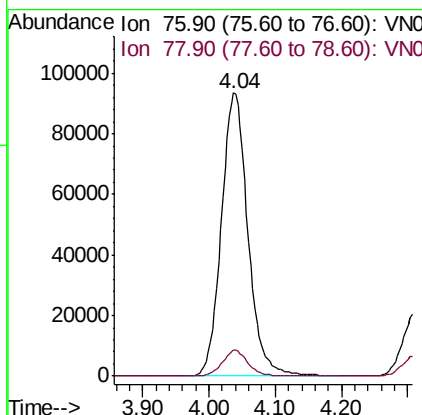
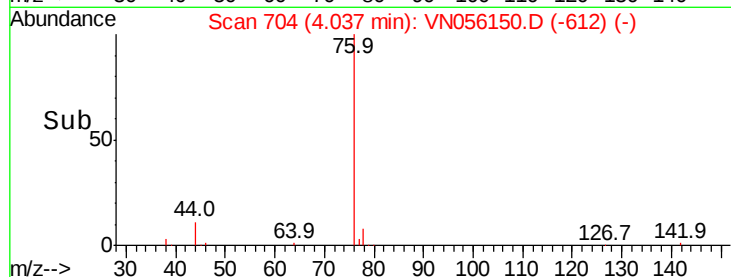
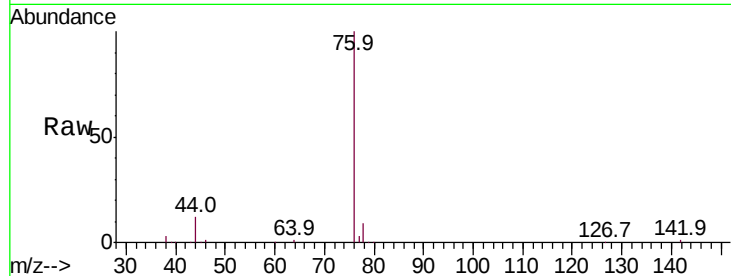
#17
Carbon Disulfide
Concen: 46.665 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 76 Resp: 259519
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

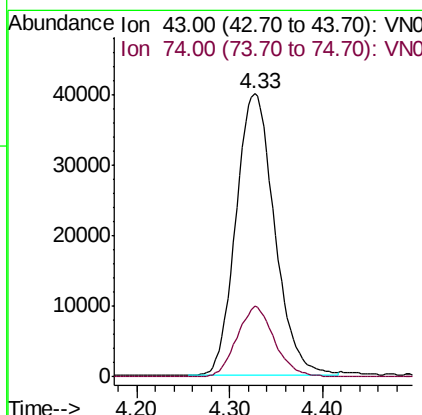
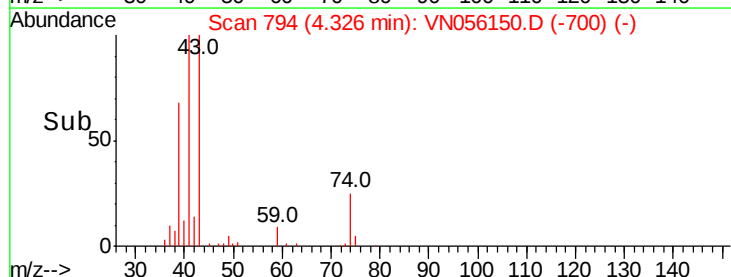
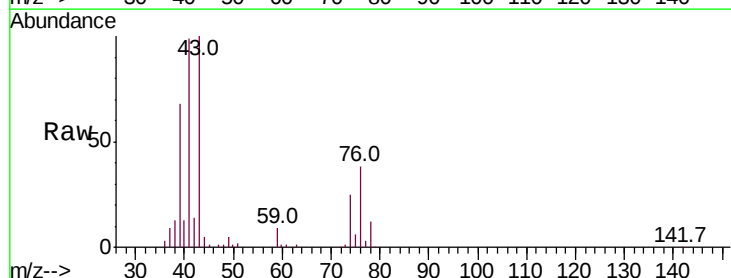
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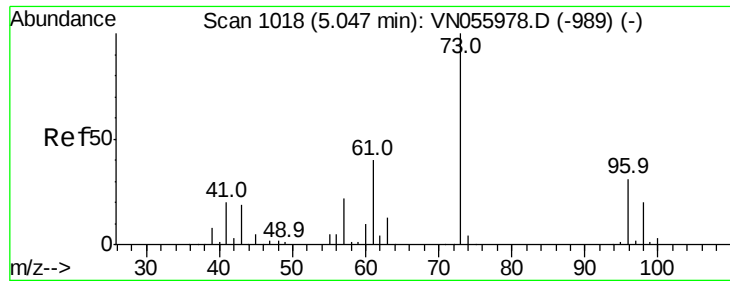
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#18
Methyl Acetate
Concen: 44.771 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 43 Resp: 115703
Ion Ratio Lower Upper
43 100
74 24.2 19.3 28.9





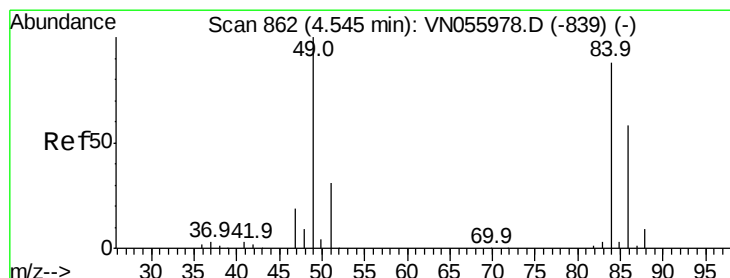
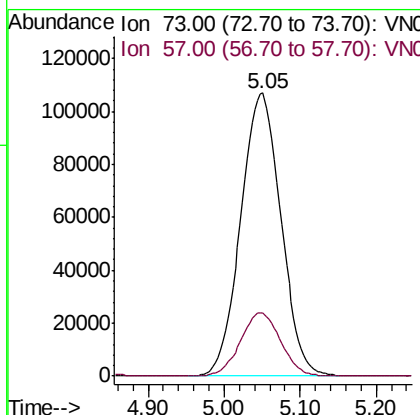
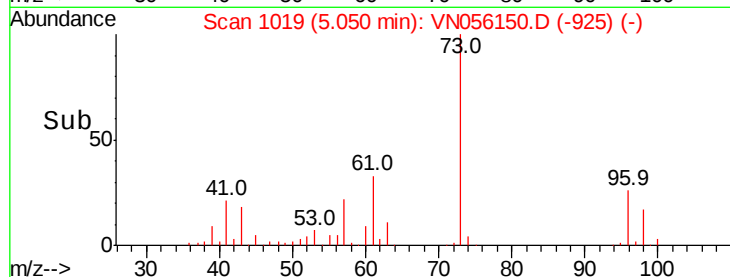
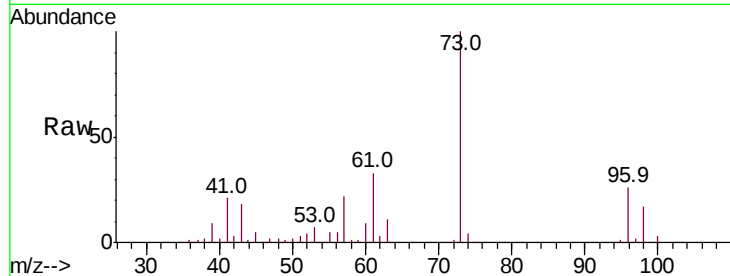
#19
Methvl tert-butvl Ether
Concen: 53.137 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 73 Resp: 393406
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

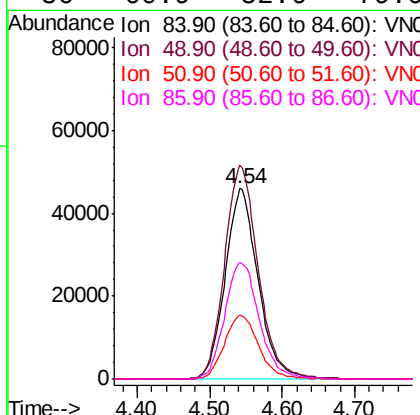
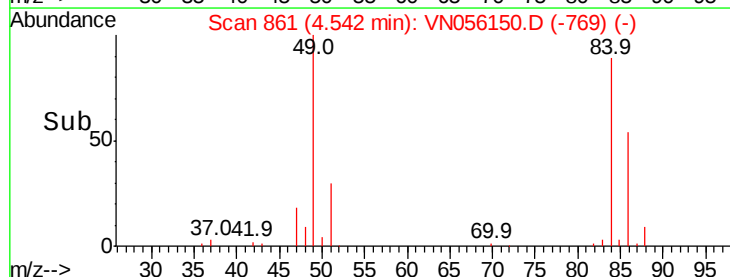
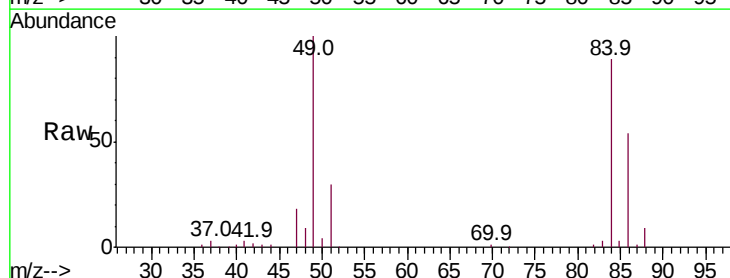
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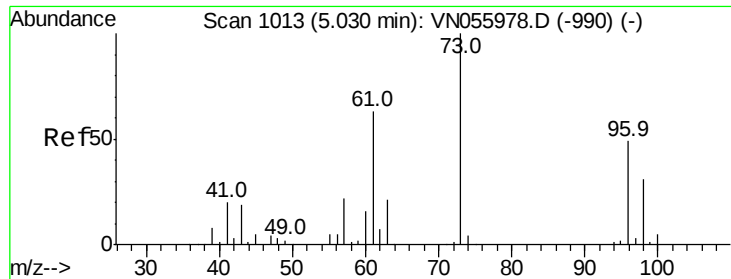
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#20
Methylene Chloride
Concen: 53.523 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 84 Resp: 144882
Ion Ratio Lower Upper
84 100
49 112.2 93.5 140.3
51 33.5 28.6 43.0
86 60.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.771 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion: 96 Resp: 131328

Ion Ratio Lower Upper

96 100

61 128.6 107.8 161.8

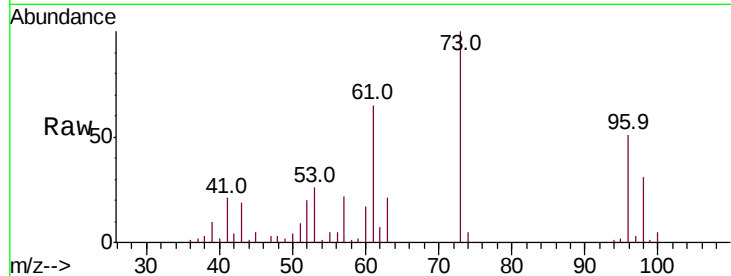
98 61.6 49.8 74.8

Manual Integrations

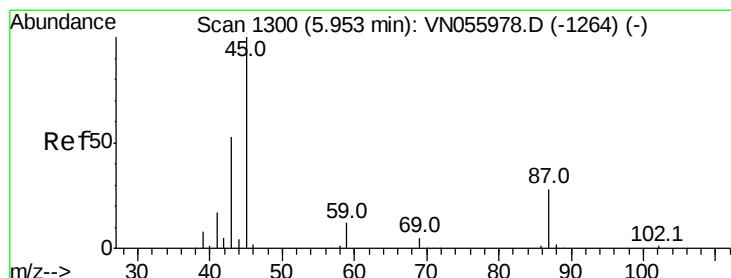
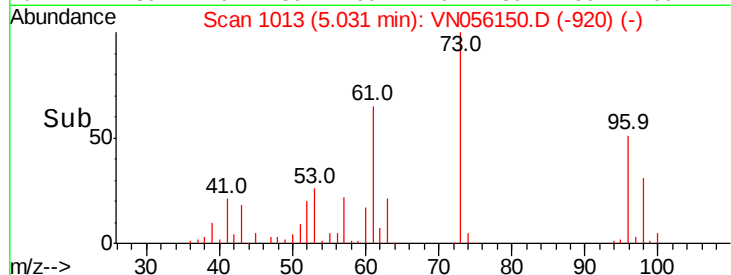
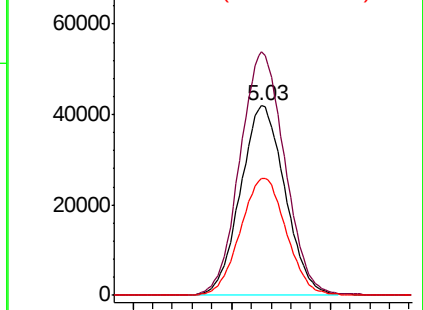
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 53.888 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion: 45 Resp: 408556

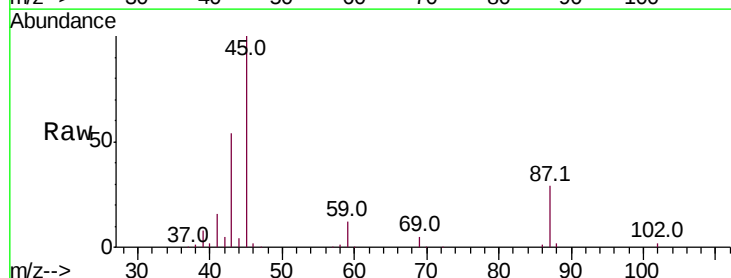
Ion Ratio Lower Upper

45 100

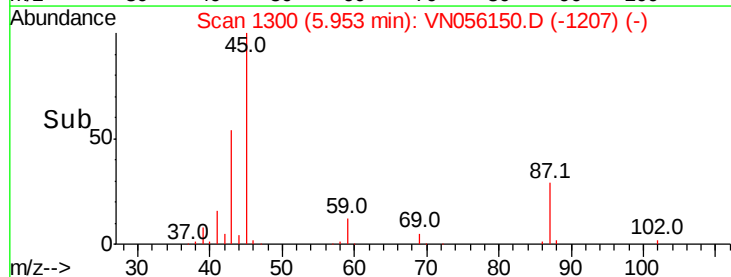
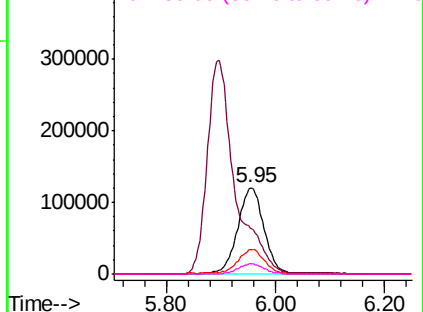
43 53.6 45.0 67.6

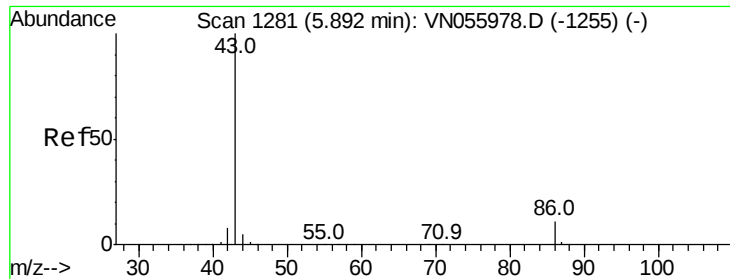
87 28.6 22.2 33.4

59 12.0 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





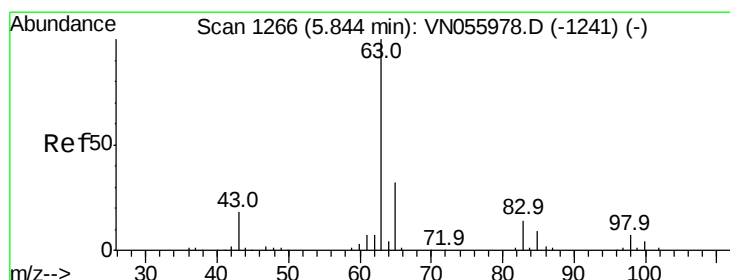
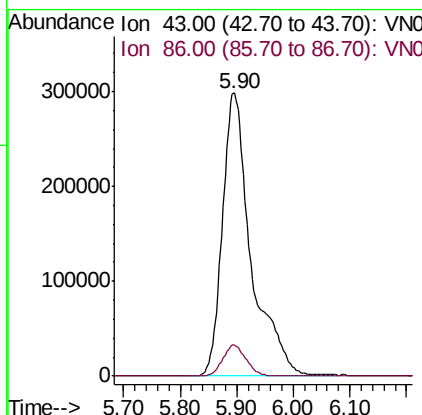
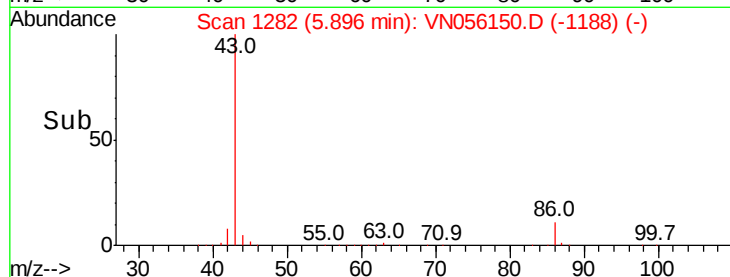
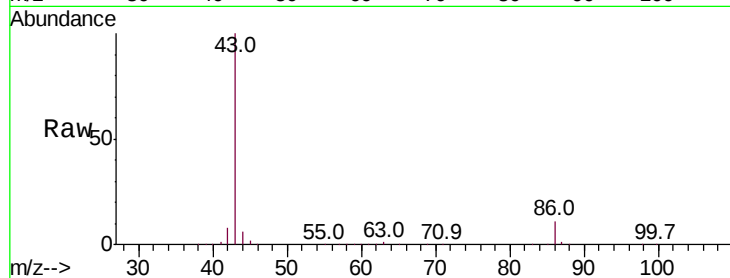
#23
 Vinyl Acetate
 Concen: 177.112 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion: 43 Resp: 1057437
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.6 13.0

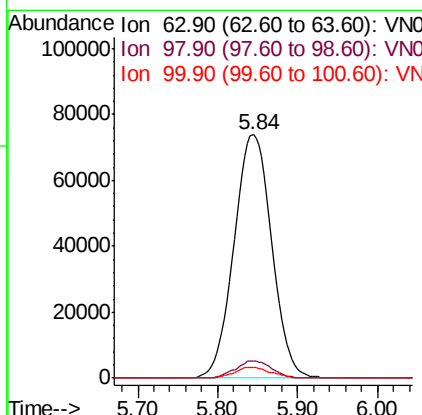
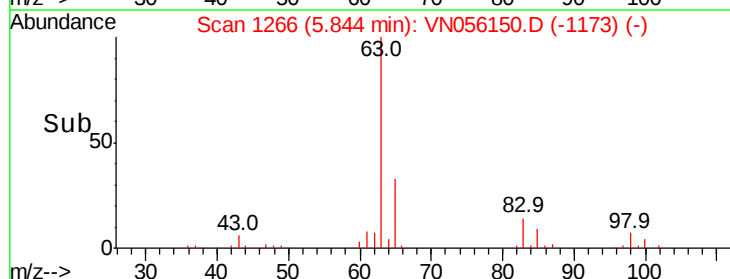
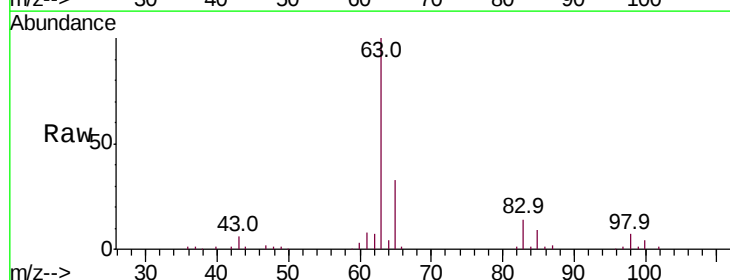
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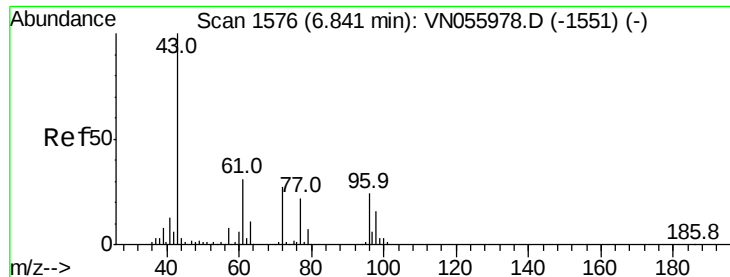
MMDadoda
 6/10/2019 11:25:41 AM



#24
 1,1-Dichloroethane
 Concen: 53.916 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion: 63 Resp: 235792
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.4 2.2 6.6





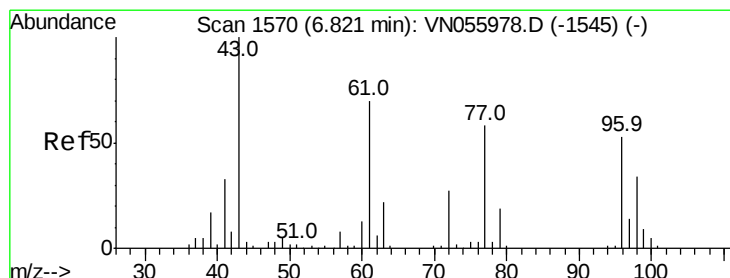
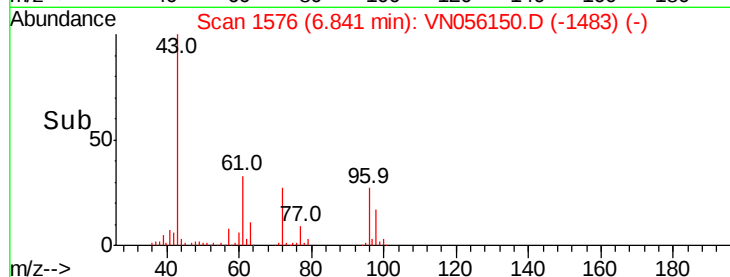
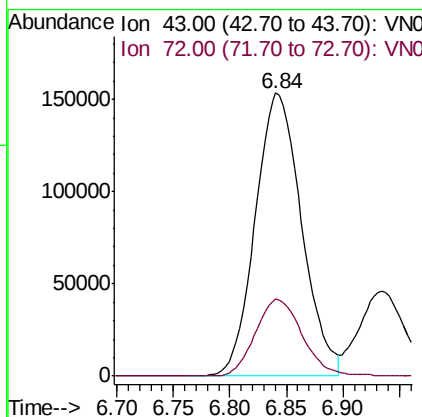
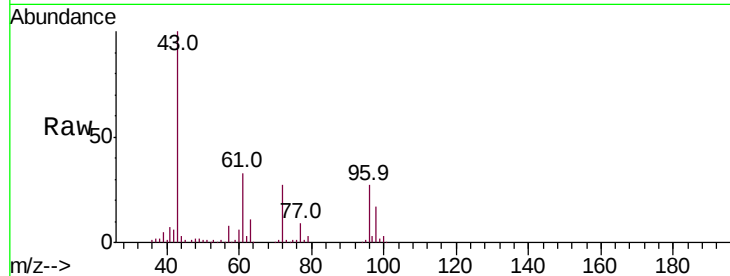
#25
2-Butanone
Concen: 262.079 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 43 Resp: 435066
Ion Ratio Lower Upper
43 100
72 27.2 21.9 32.9

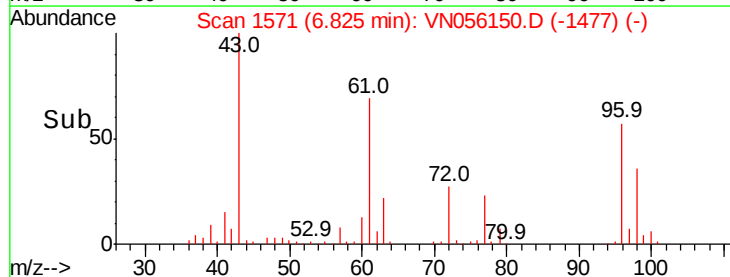
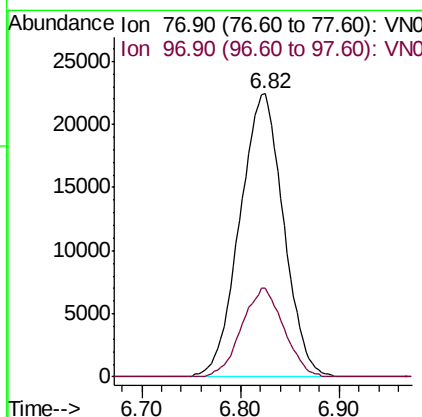
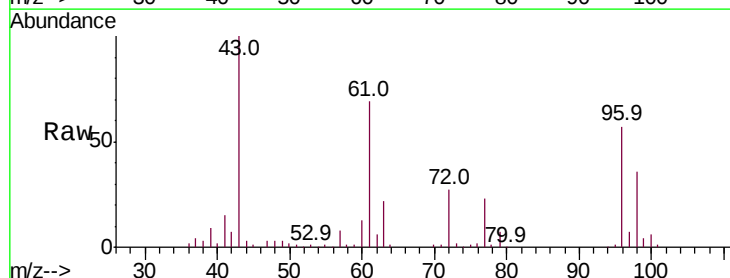
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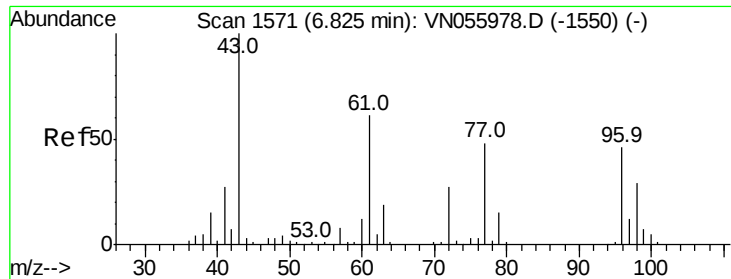
MMDadoda
6/10/2019 11:25:41 AM



#26
2,2-Dichloropropane
Concen: 20.160 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 77 Resp: 68797
Ion Ratio Lower Upper
77 100
97 30.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 54.246 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

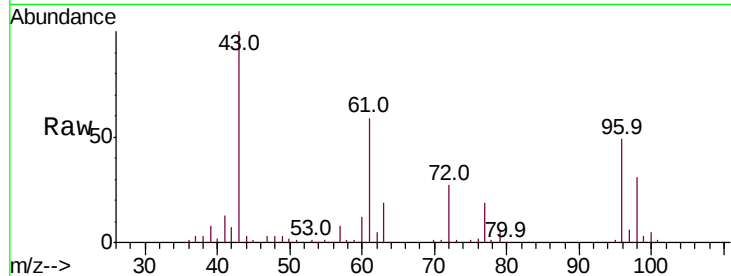
ClientSampleId :

SP19-MMW-3414MS

Tot Ion:	96	Resp:	158689
Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	275.8
98	63.9	0.0	128.4

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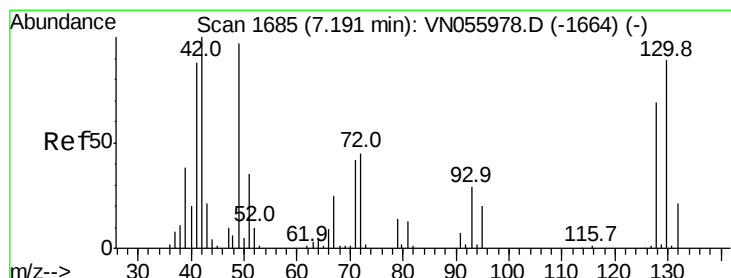
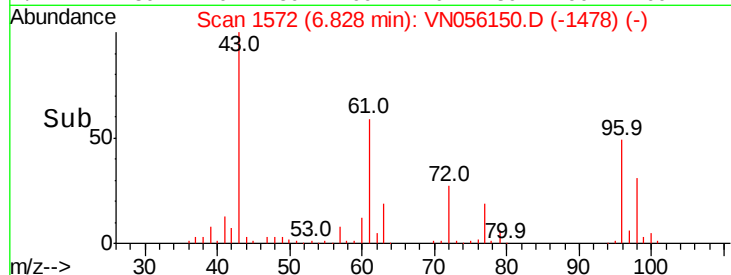
Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-1550) (-)

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

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

6.83

Time-->



#28

Bromochloromethane

Concen: 55.903 ug/l

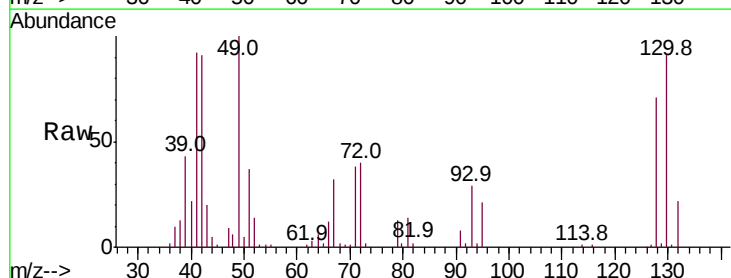
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion:	49	Resp:	115615
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	90.3	71.2	106.8



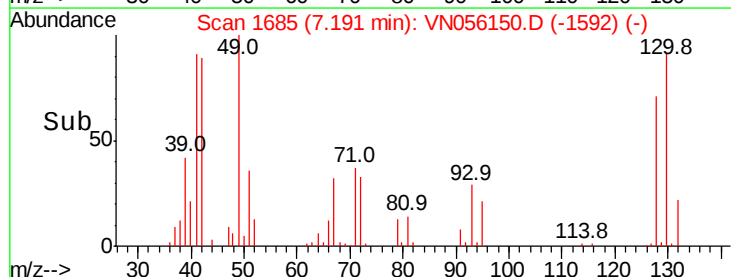
Abundance Ion 48.90 (48.60 to 49.60): VN055978.D (-1664) (-)

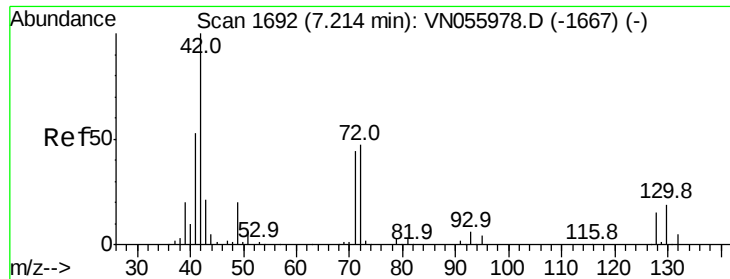
Ion 128.80 (128.50 to 129.50): VN055978.D (-1664) (-)

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

7.19

Time-->





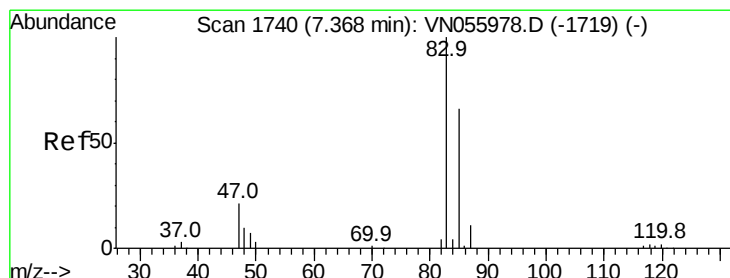
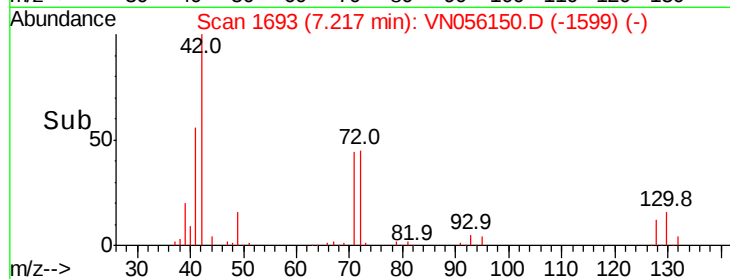
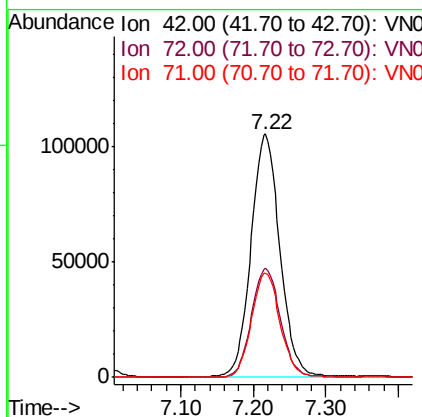
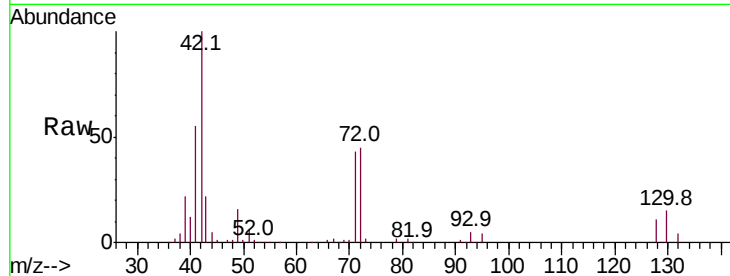
#29
Tetrahydrofuran
Concen: 286.763 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.9	53.9
71	42.2	34.0	51.0

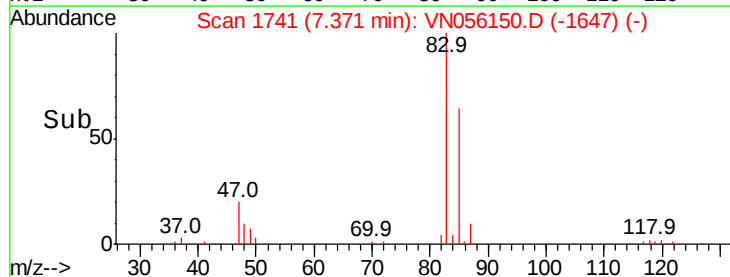
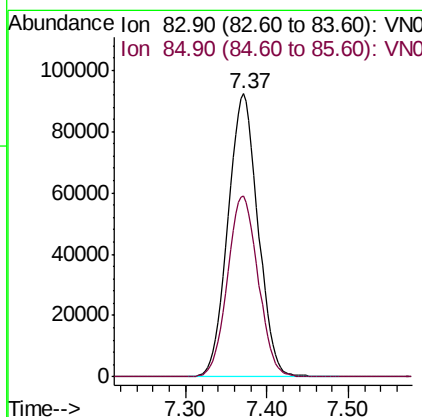
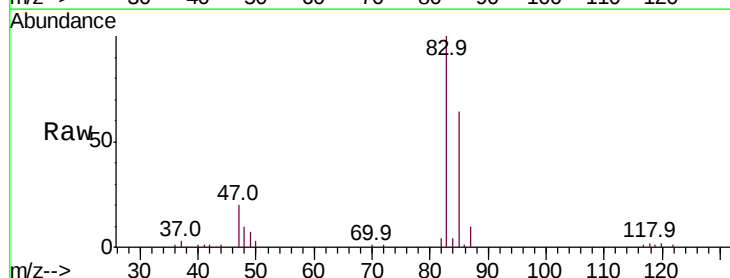
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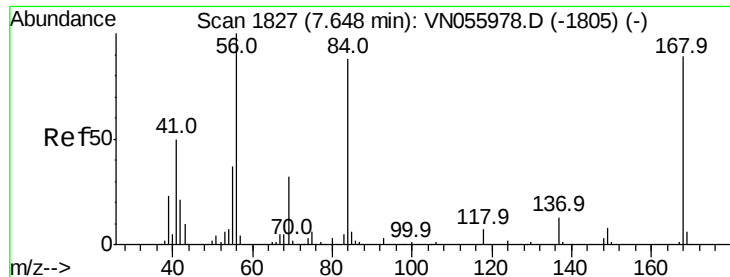
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#30
Chloroform
Concen: 54.171 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





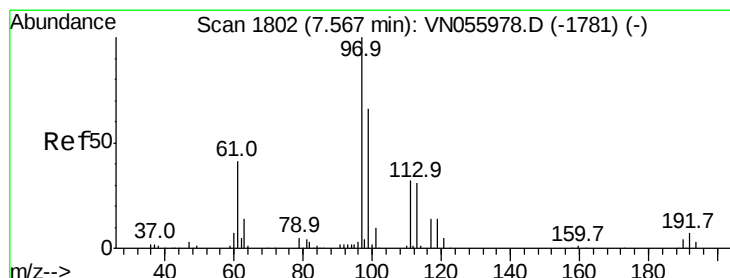
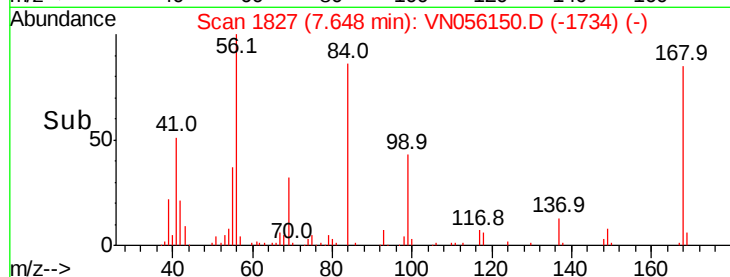
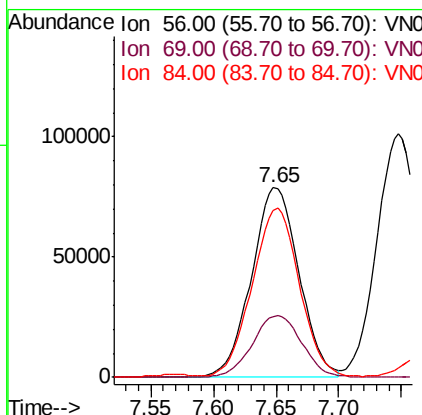
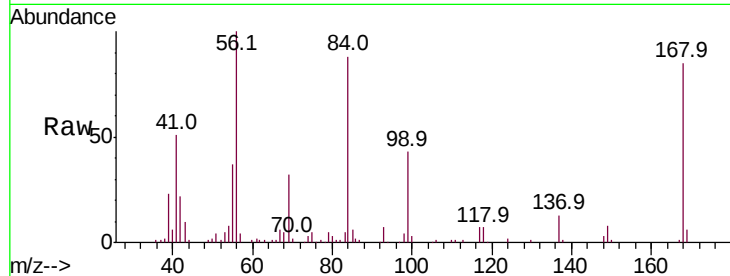
#31
Cyclohexane
Concen: 47.761 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.6	38.4
84	87.0	67.4	101.0

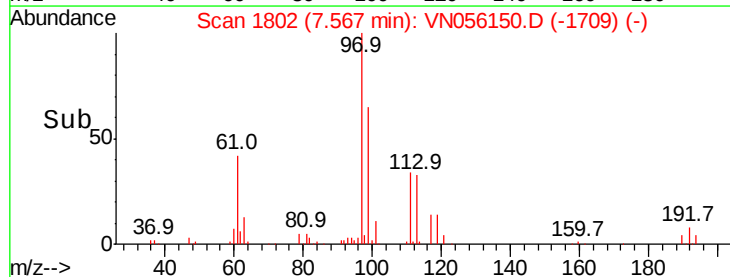
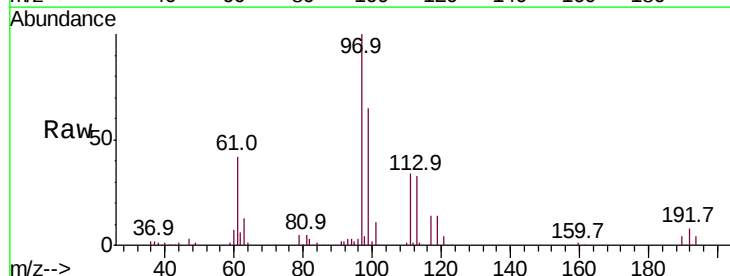
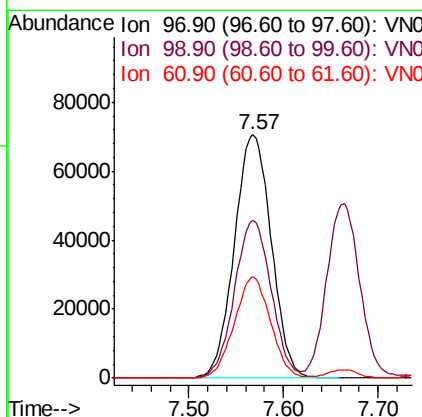
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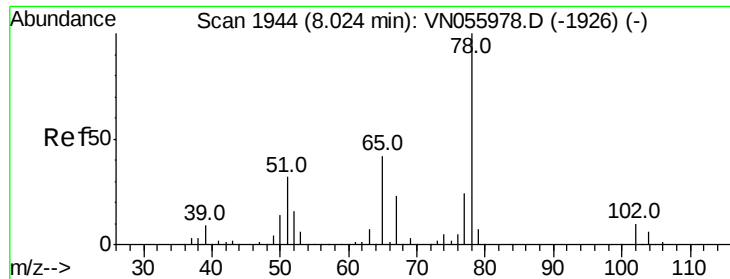
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#32
1,1,1-Trichloroethane
Concen: 52.255 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.0	78.0
61	40.8	32.9	49.3





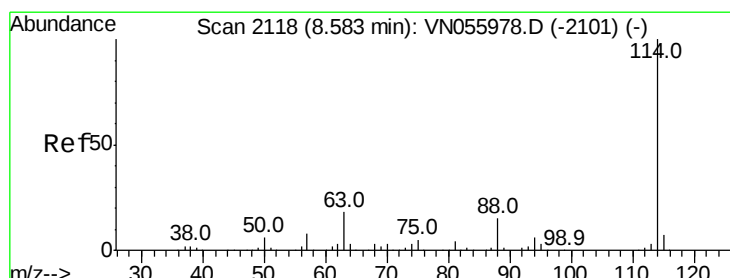
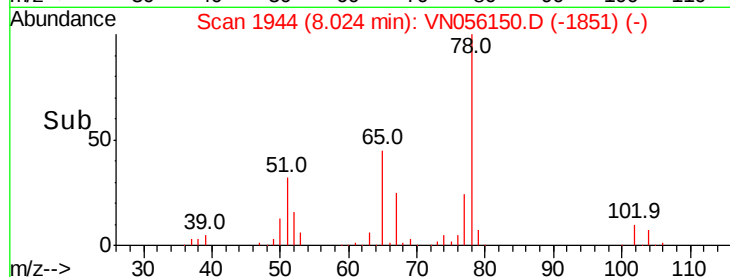
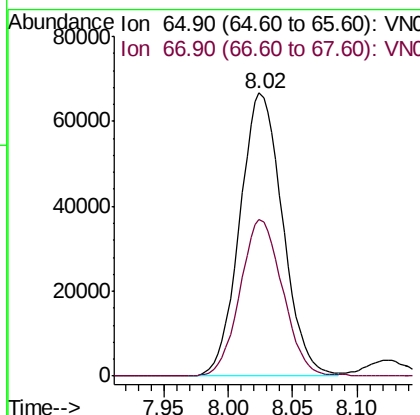
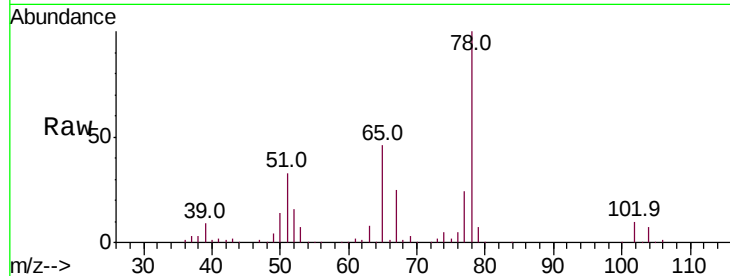
#33
 1,2-Dichloroethane-d4
 Concen: 56.162 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	154288		
67	55.1	0.0	109.2	

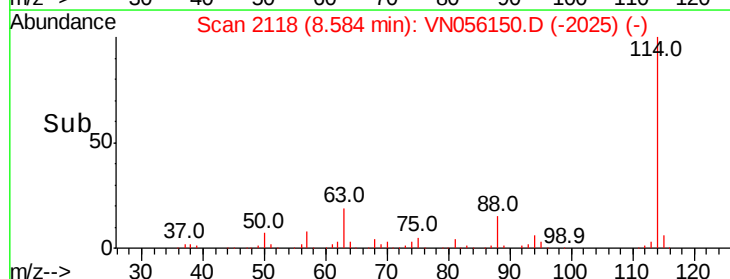
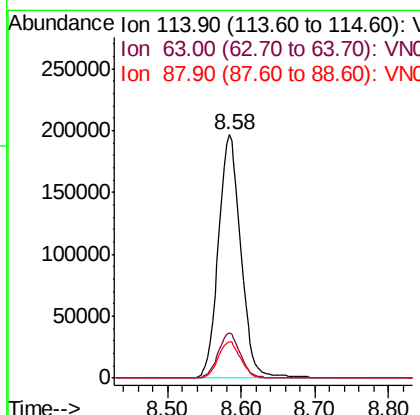
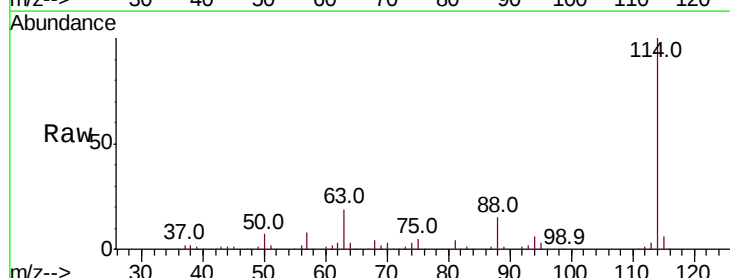
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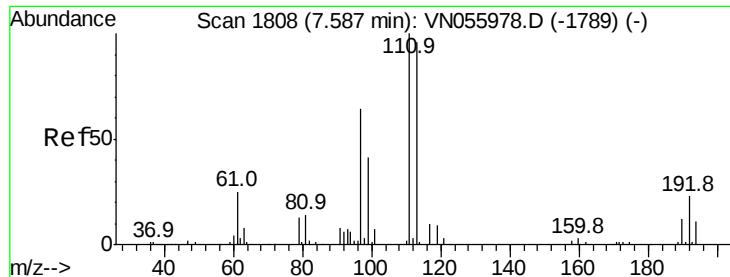
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	415213		
63	18.7	0.0	39.2	
88	15.0	0.0	31.0	





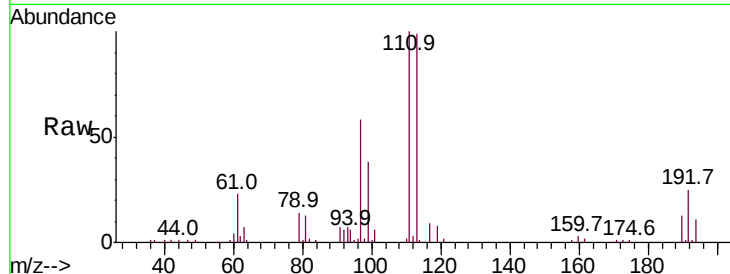
#35
 Dibromofluoromethane
 Concen: 54.849 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

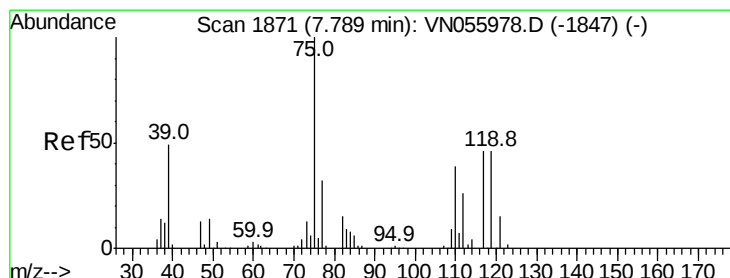
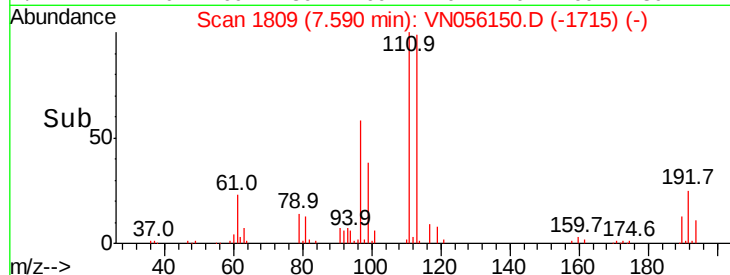
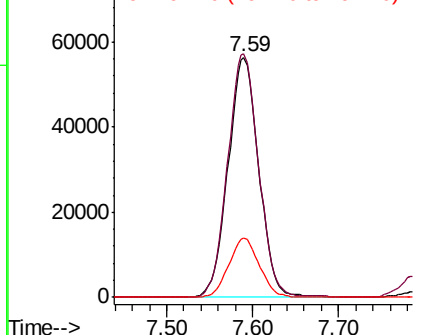
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	81.9	122.9	
192	24.5	19.5	29.3	

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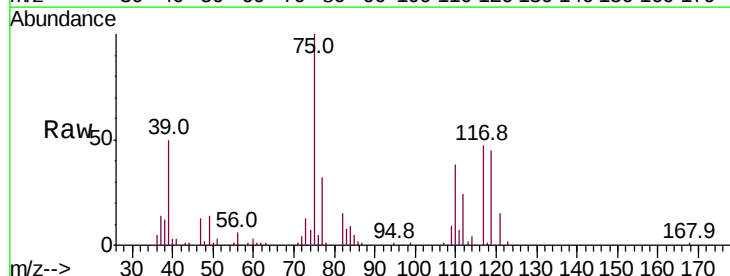


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

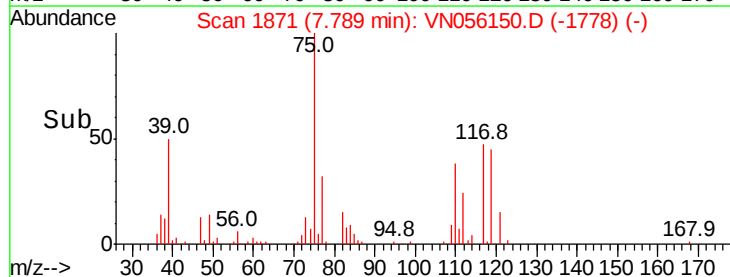
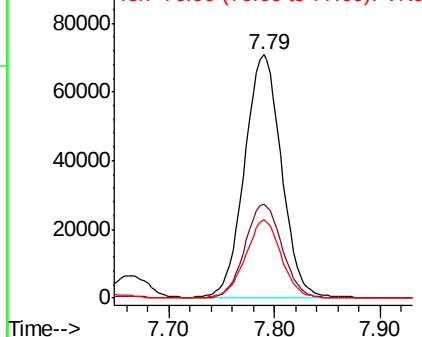


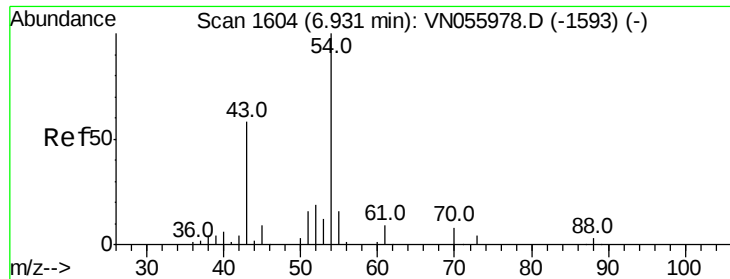
#36
 1,1-Dichloropropene
 Concen: 47.974 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.1	19.0	57.0	
77	31.6	25.1	37.7	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





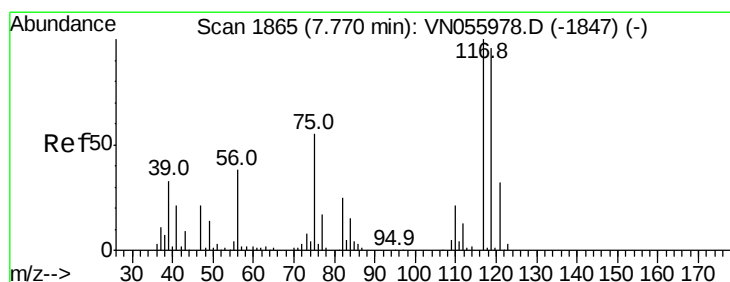
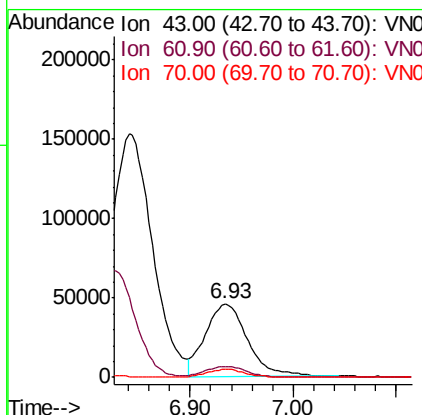
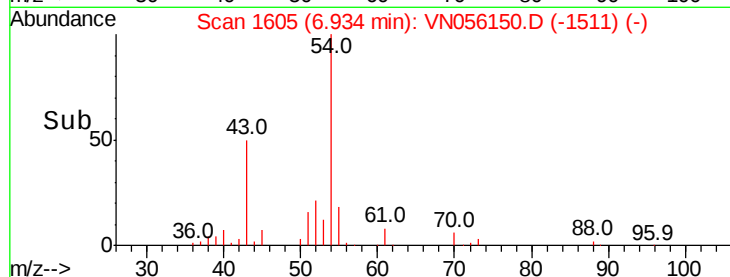
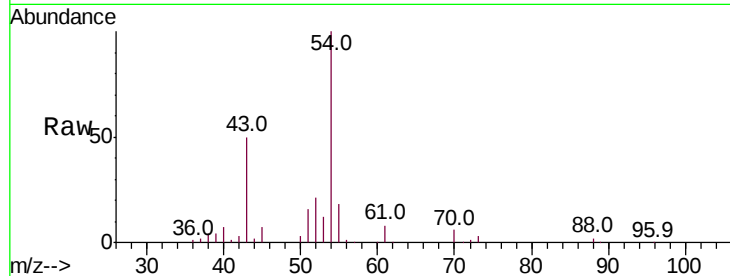
#37
Ethyl Acetate
Concen: 41.072 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.2	18.2
70	10.4	8.9	13.3

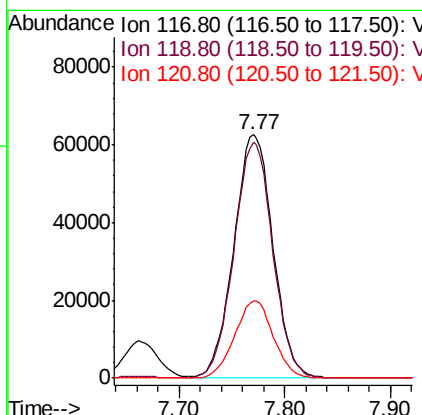
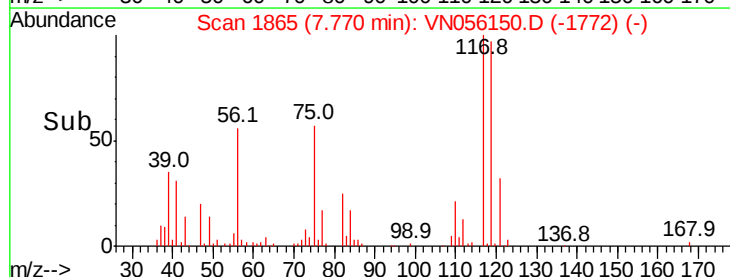
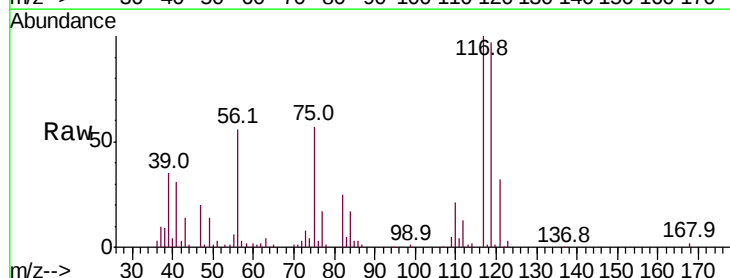
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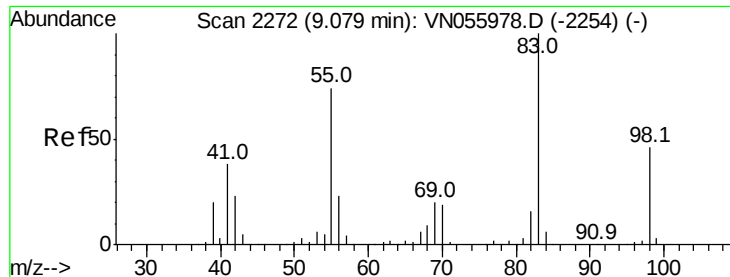
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#38
Carbon Tetrachloride
Concen: 49.034 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.0	118.6
121	31.7	24.7	37.1





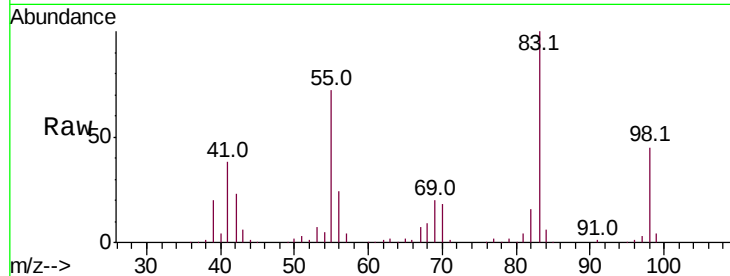
#39
Methvlcvclohexane
Concen: 44.528 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	59.3	88.9
98	45.5	36.6	54.8

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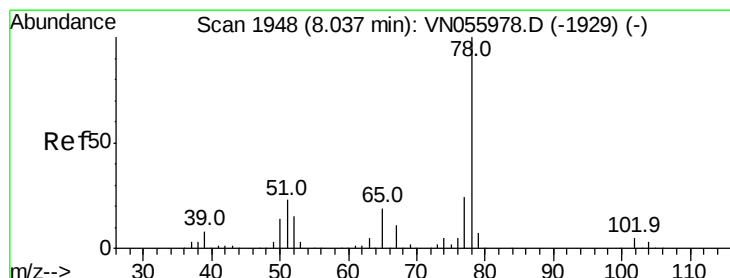
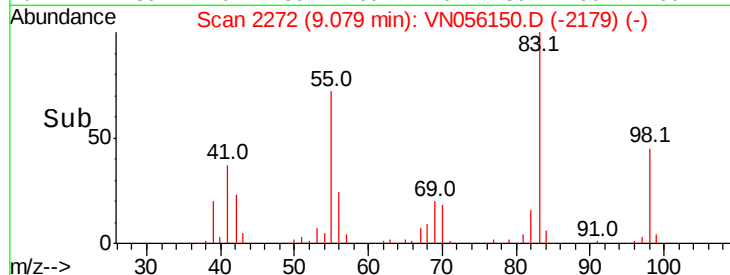
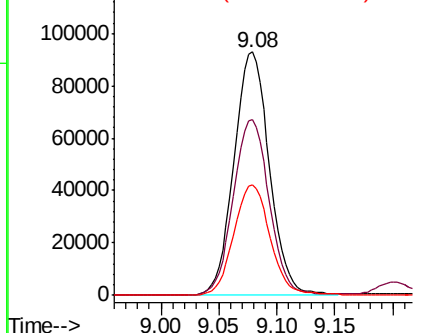


Abundance

Ion 83.00 (82.70 to 83.70): VN0

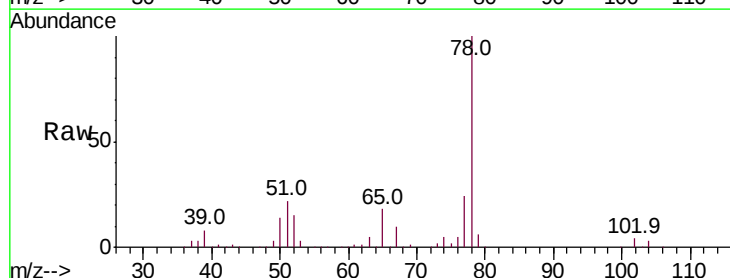
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 51.496 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

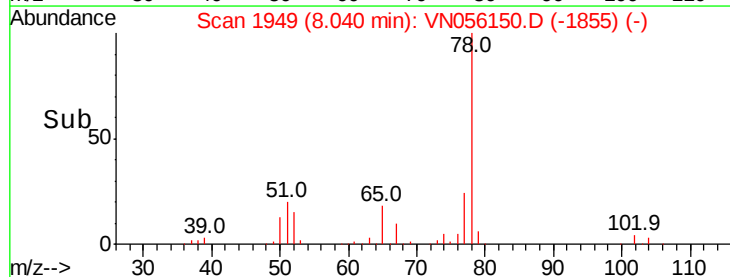
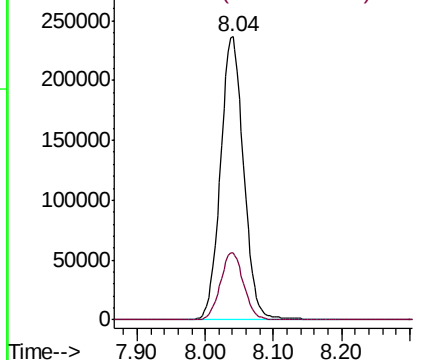
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2

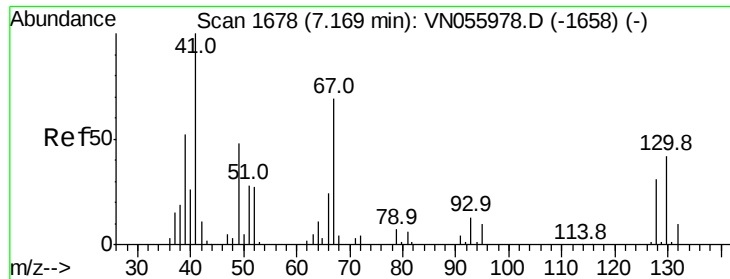


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





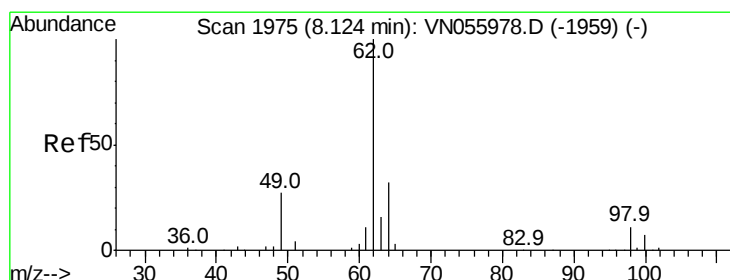
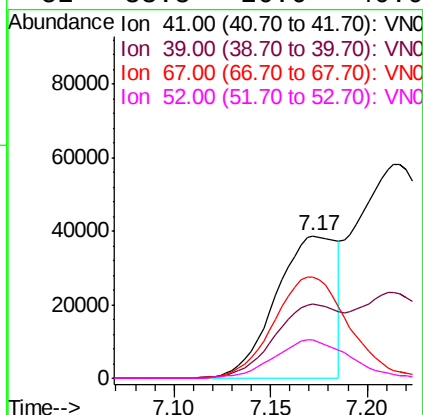
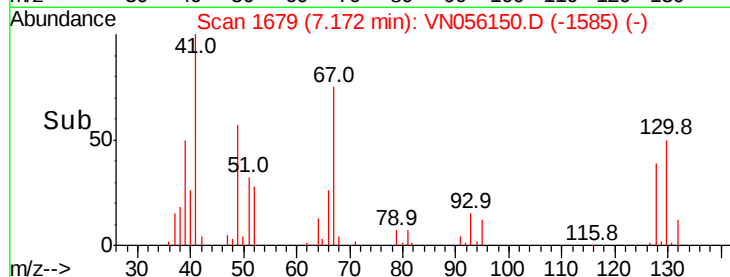
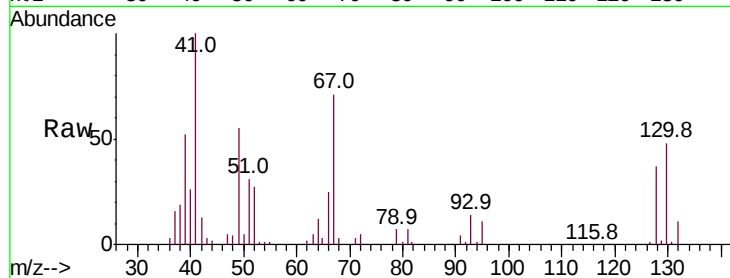
#41
Methacrylonitrile
Concen: 58.160 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion	41	Resp	85004
Ion	Ratio	Lower	Upper
41	100		
39	56.3	45.6	68.4
67	88.6	67.7	101.5
52	33.8	26.6	40.0

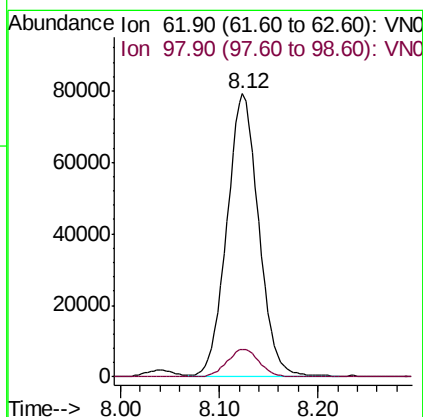
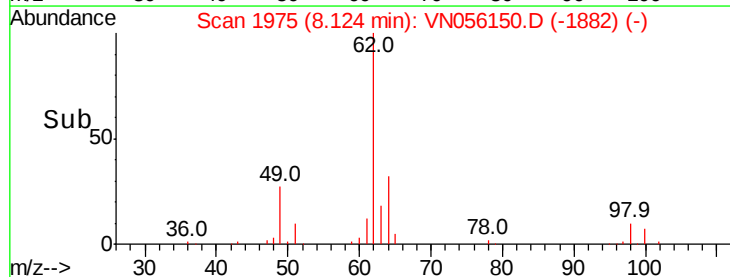
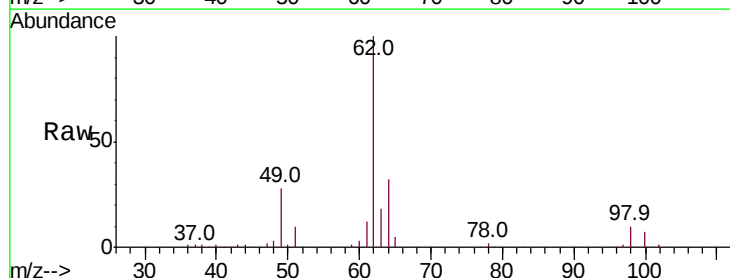
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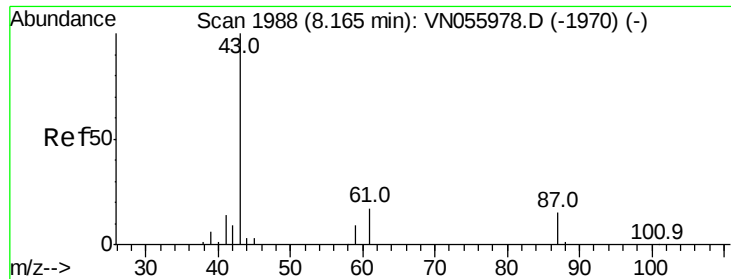
MMDadoda
6/10/2019 11:25:41 AM



#42
1,2-Dichloroethane
Concen: 50.945 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion	62	Resp	177698
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 42.069 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

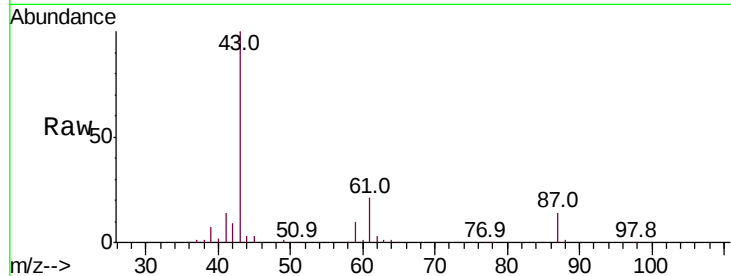
ClientSampleId :

SP19-MMW-3414MS

Tot Ion:	43	Resp:	216558
Ion Ratio	Lower	Upper	
43	100		
61	22.0	22.2	33.4#
87	14.3	11.4	17.2

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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) (-)

8.17

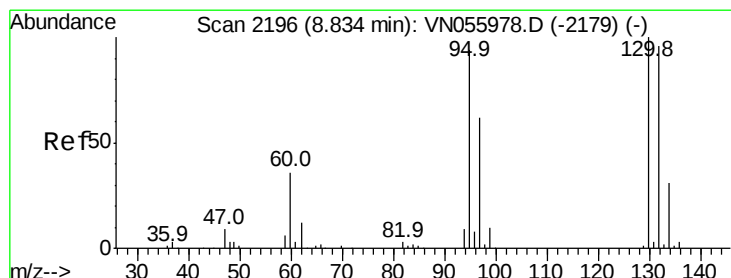
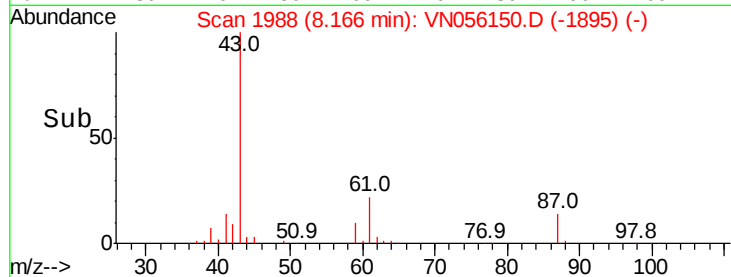
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 50.704 ug/l

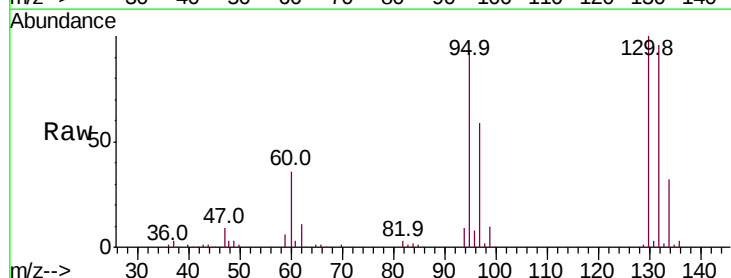
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion:	130	Resp:	157990
Ion Ratio	Lower	Upper	
130	100		
95	92.3	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) (-)

8.83

80000

60000

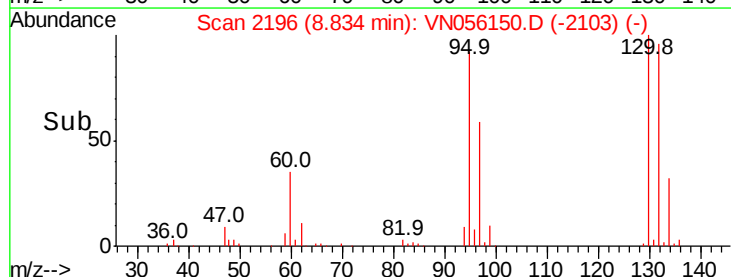
40000

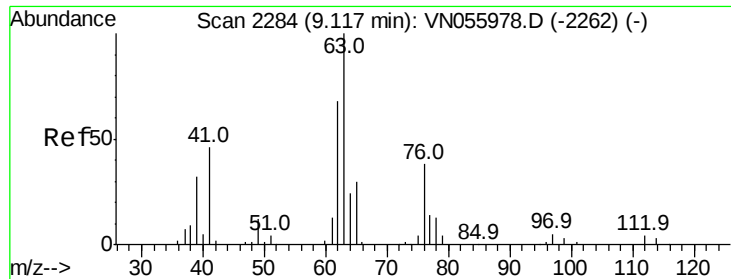
20000

0

8.70 8.80 8.90 9.00

Time-->





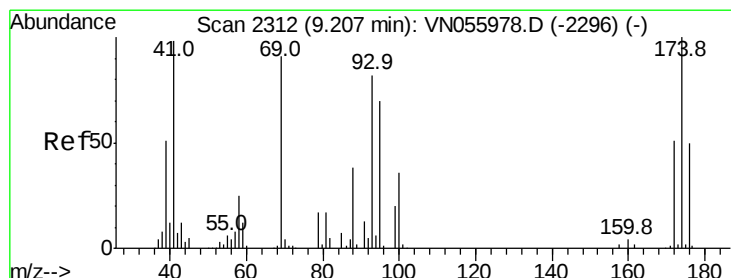
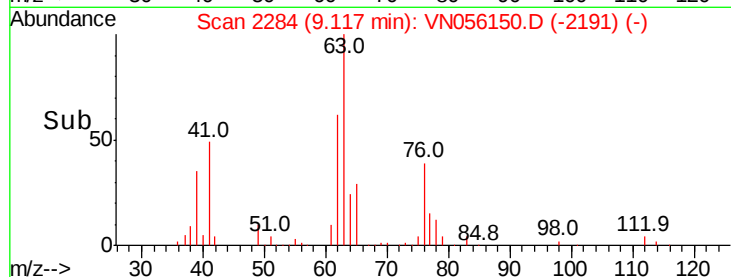
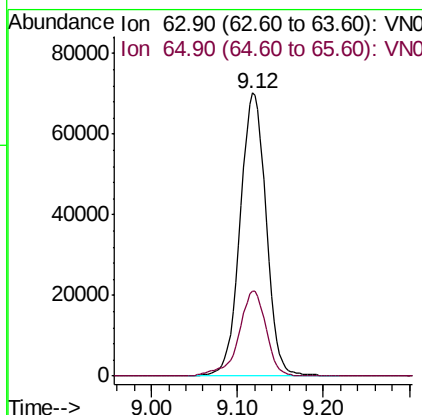
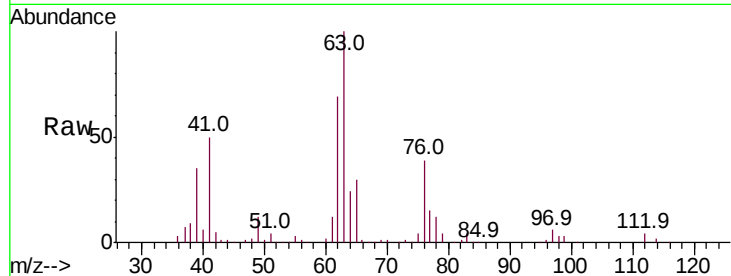
#45
 1,2-Dichloropropane
 Concen: 53.216 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	36.8

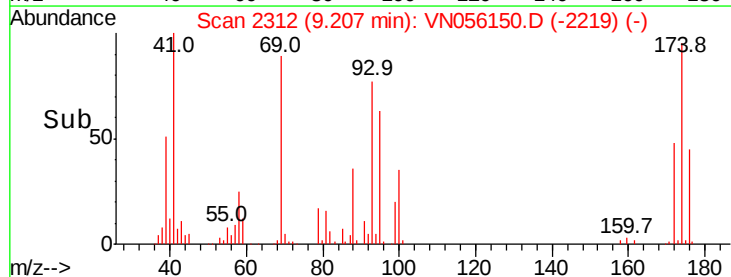
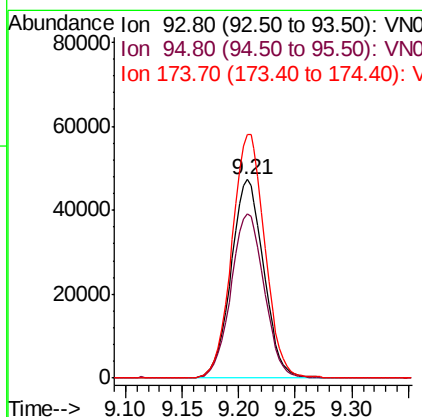
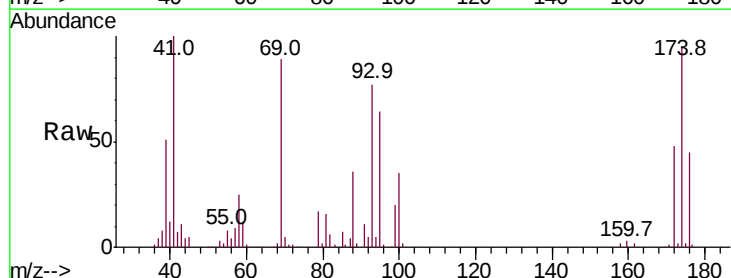
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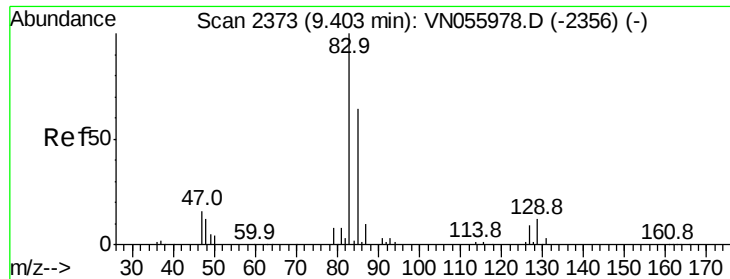
MMDadoda
 6/10/2019 11:25:41 AM



#46
 Dibromomethane
 Concen: 52.369 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.7	100.1
174	123.7	96.4	144.6





#47

Bromodichloromethane

Concen: 51.390 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

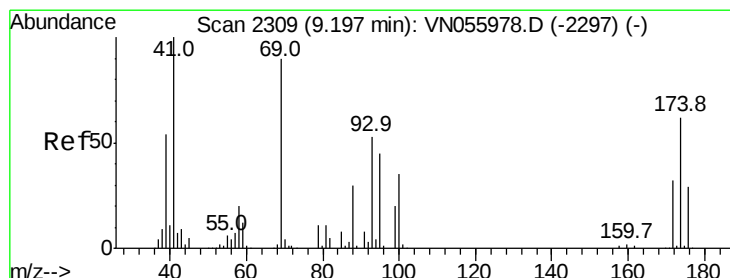
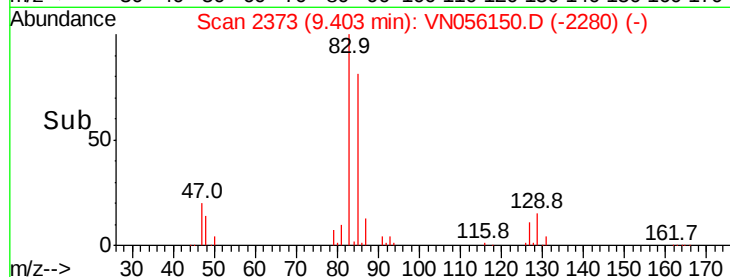
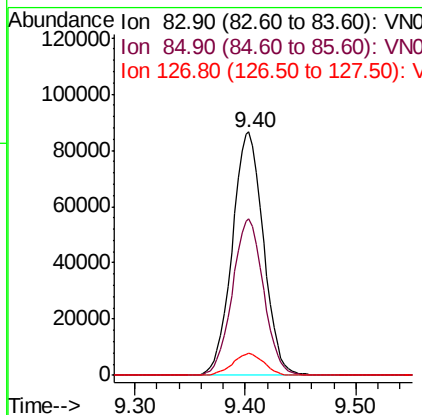
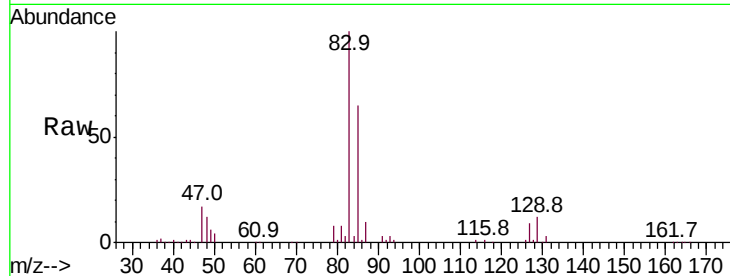
ClientSampleId :

SP19-MMW-3414MS

Tot Ion:	83	Resp:	169170
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.2
127	9.0	7.4	11.0

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#48

Methyl methacrylate

Concen: 54.685 ug/l

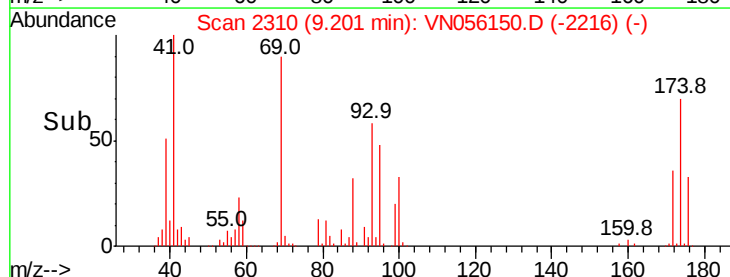
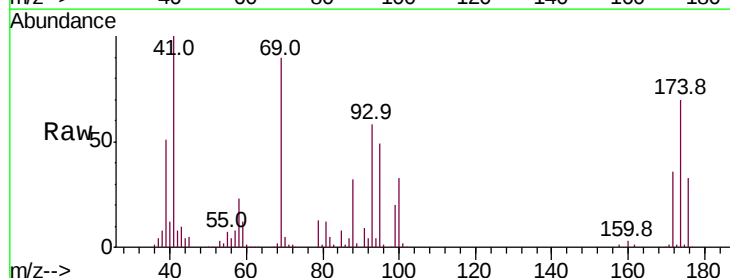
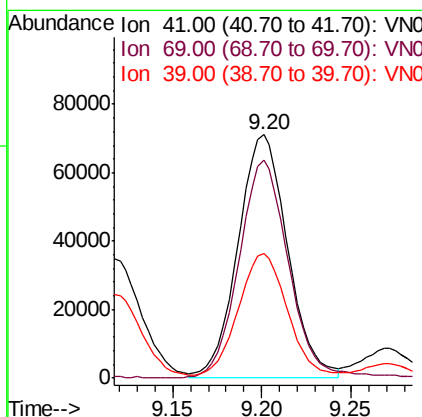
RT: 9.20 min Scan# 2310

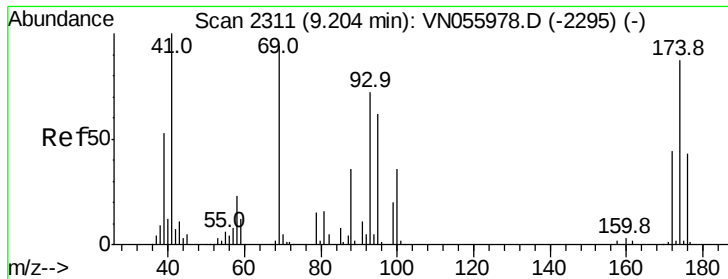
Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion:	41	Resp:	137719
Ion	Ratio	Lower	Upper
41	100		
69	91.2	71.0	106.6
39	51.4	44.2	66.2





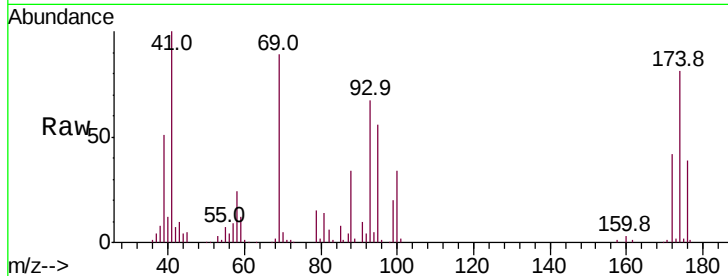
#49
 1,4-Dioxane
 Concen: 1021.096 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

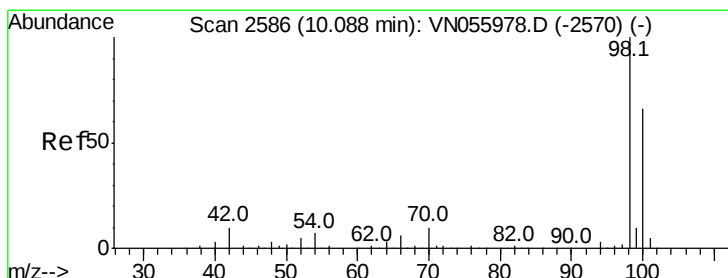
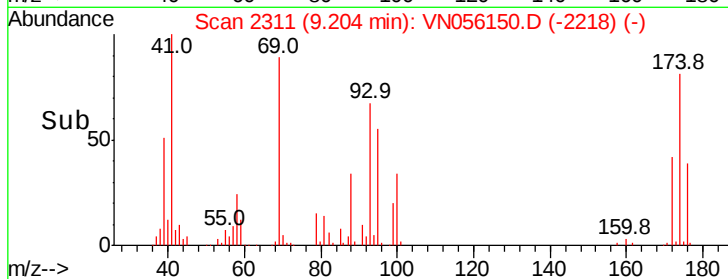
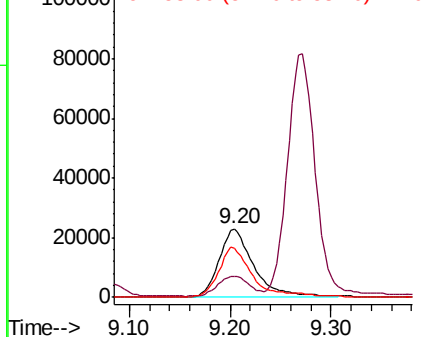
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.7	20.5	30.7
58	72.8	55.8	83.6

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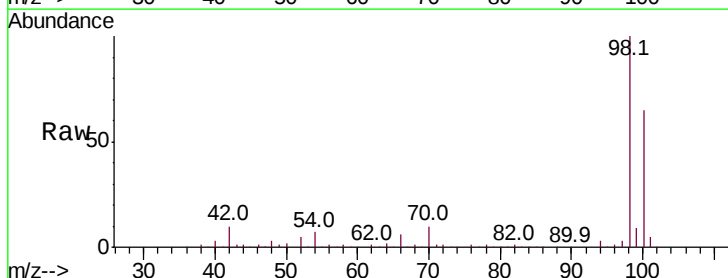


Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)
 Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)
 Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)

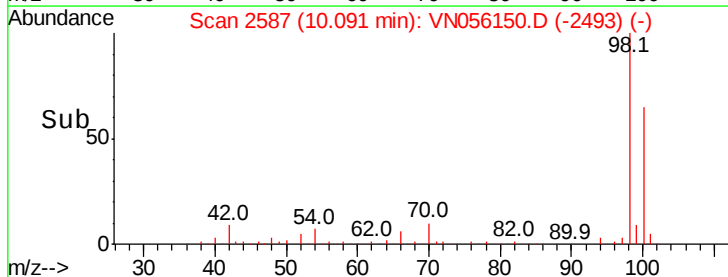
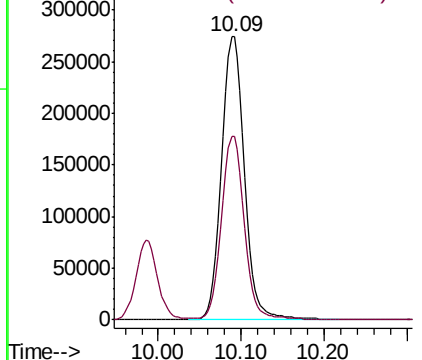


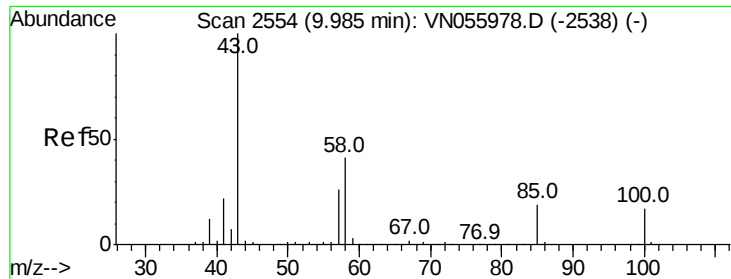
#50
 Toluene-d8
 Concen: 53.531 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)
 Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 276.838 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion: 43 Resp: 891169

Ion Ratio Lower Upper

43 100

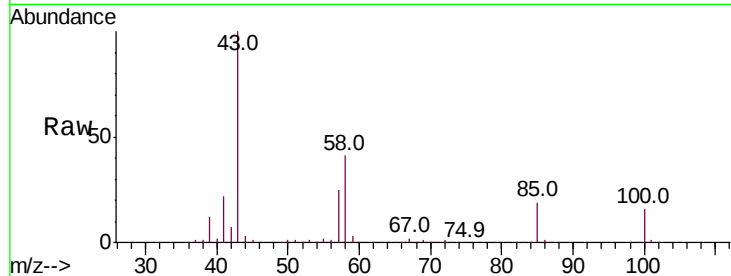
58 40.3 32.1 48.1

Manual Integrations

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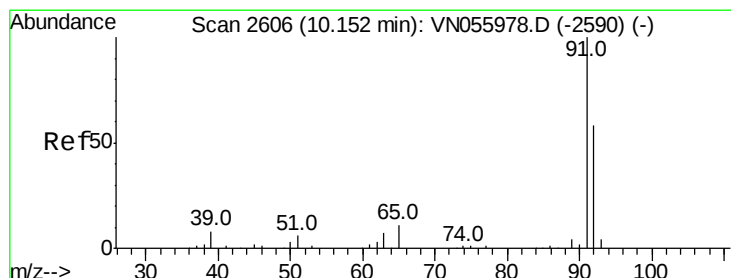
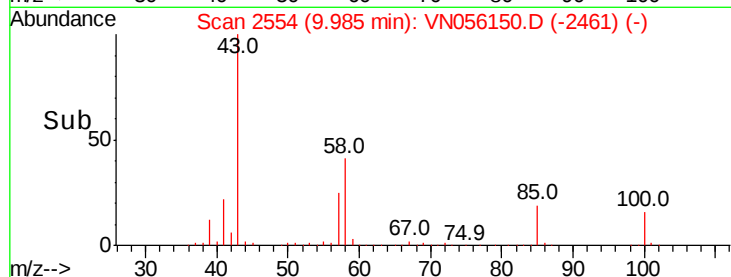
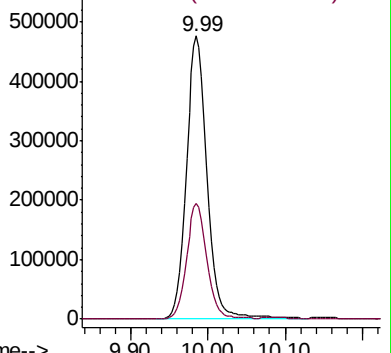
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.254 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056150.D

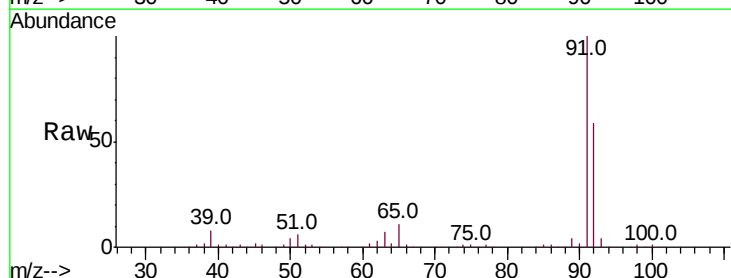
Acq: 8 Jun 2019 13:42

Tgt Ion: 92 Resp: 352589

Ion Ratio Lower Upper

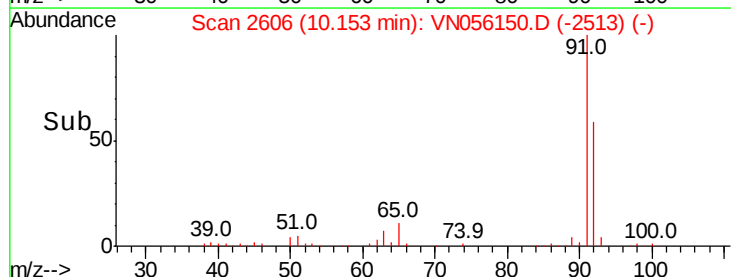
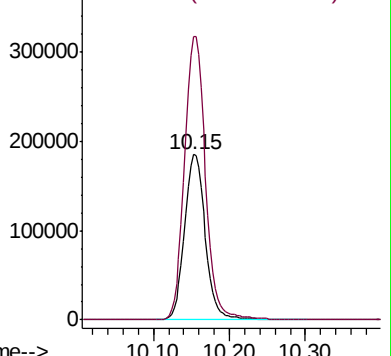
92 100

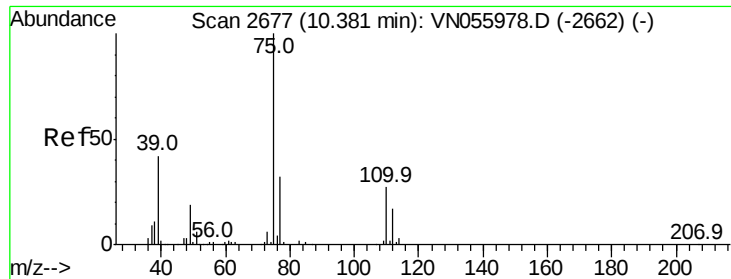
91 173.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





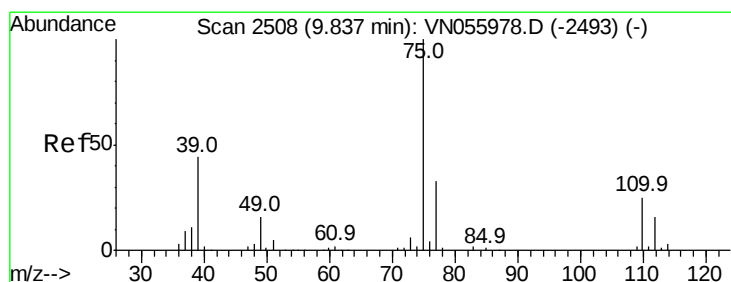
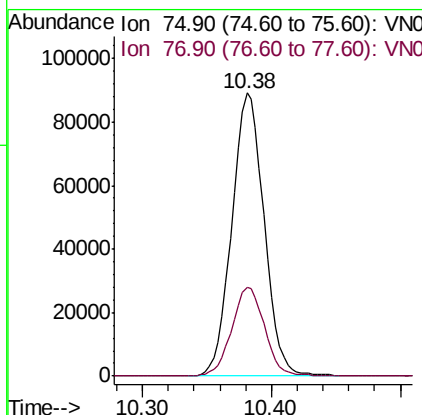
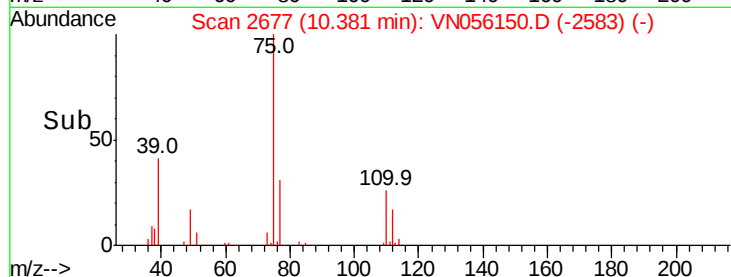
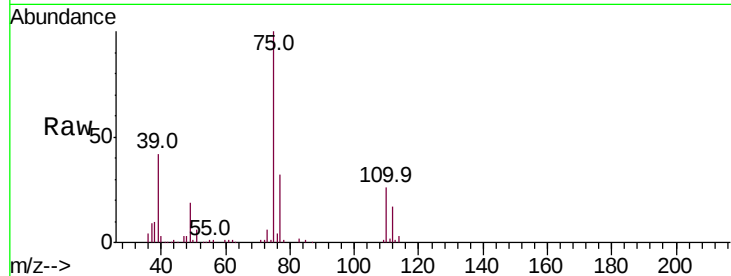
#53
 t-1,3-Dichloropropene
 Concen: 40.608 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion: 75 Resp: 154900
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.6

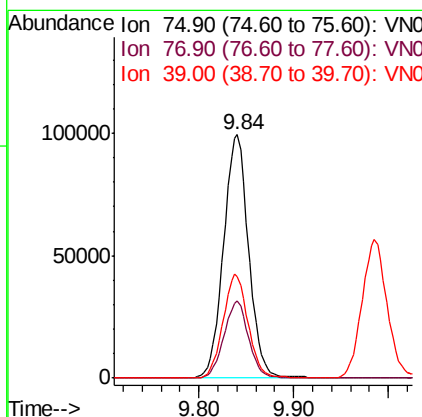
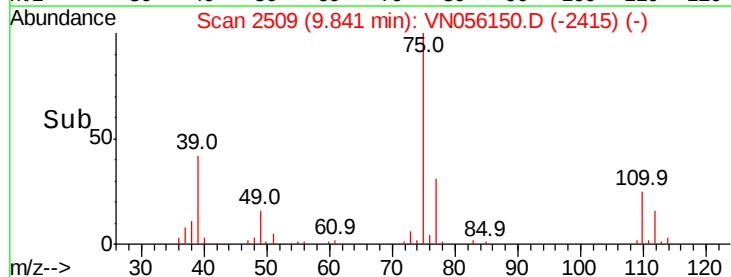
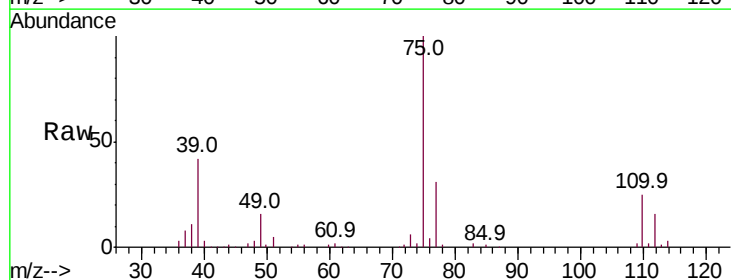
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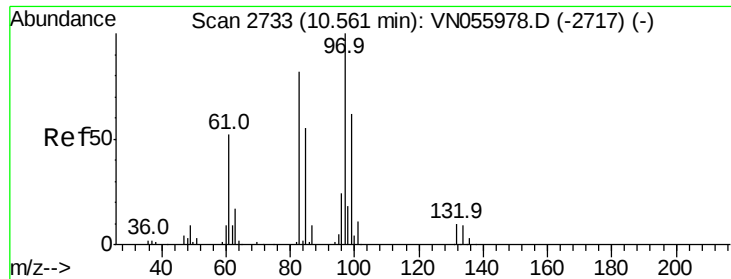
MMDadoda
 6/10/2019 11:25:41 AM



#54
 cis-1,3-Dichloropropene
 Concen: 46.299 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion: 75 Resp: 183200
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.0
 39 41.8 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 53.634 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion: 97 Resp: 143355

Ion Ratio Lower Upper

97 100

83 85.6 67.0 100.6

85 55.7 44.0 66.0

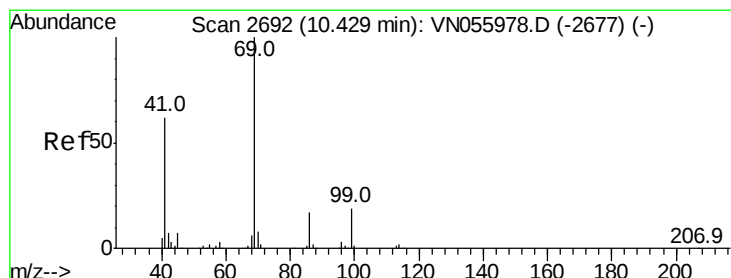
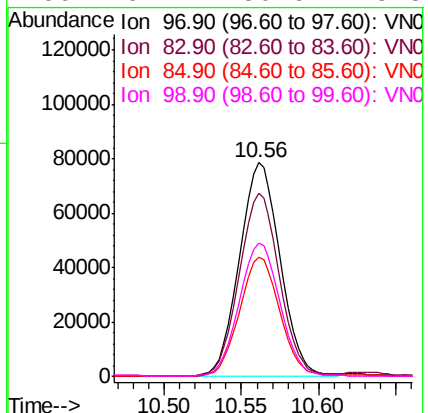
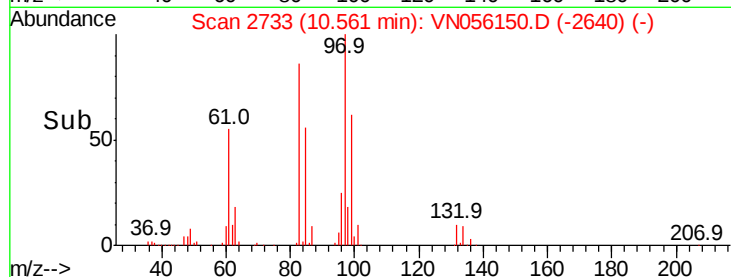
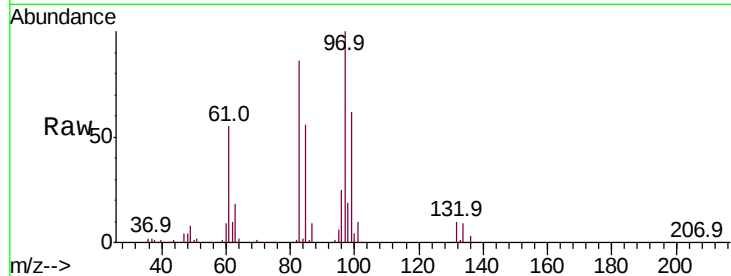
99 62.2 50.6 75.8

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#56

Ethyl methacrylate

Concen: 54.587 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

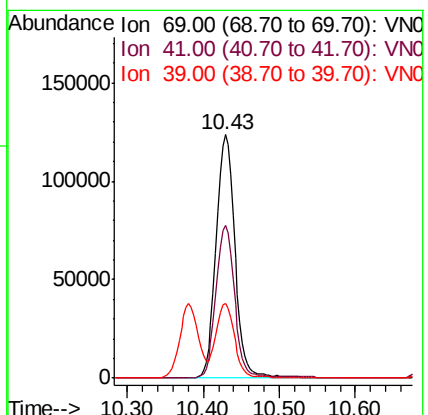
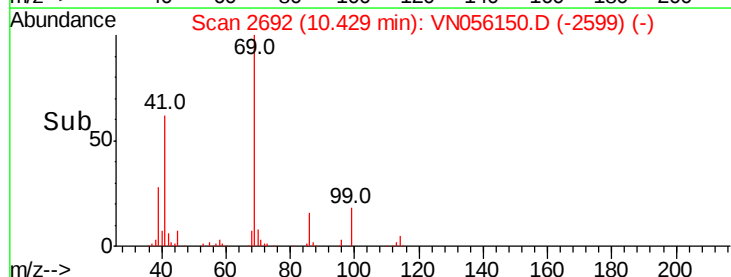
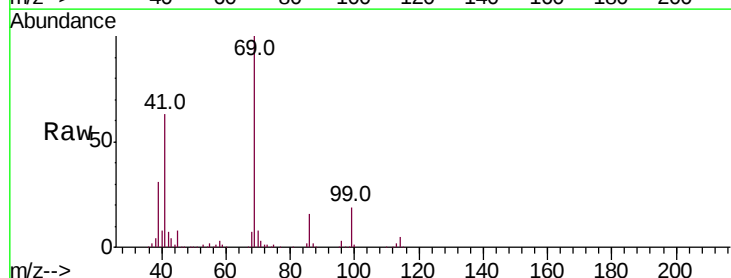
Tgt Ion: 69 Resp: 212854

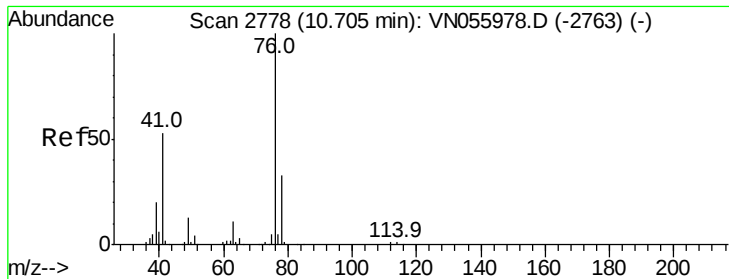
Ion Ratio Lower Upper

69 100

41 61.4 49.7 74.5

39 29.5 24.7 37.1





#57

1,3-Dichloropropane

Concen: 53.279 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion: 76 Resp: 231500

Ion Ratio Lower Upper

76 100

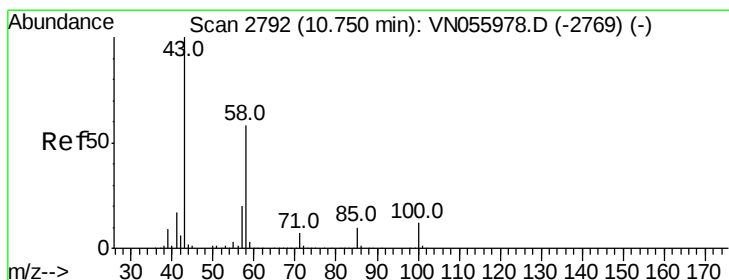
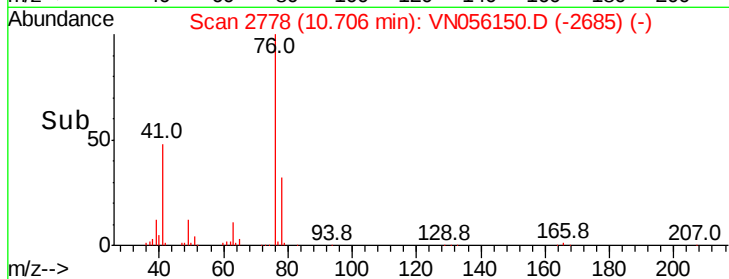
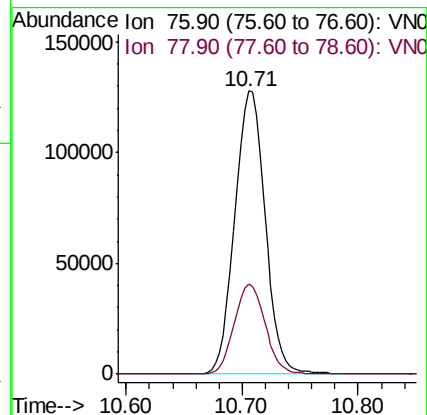
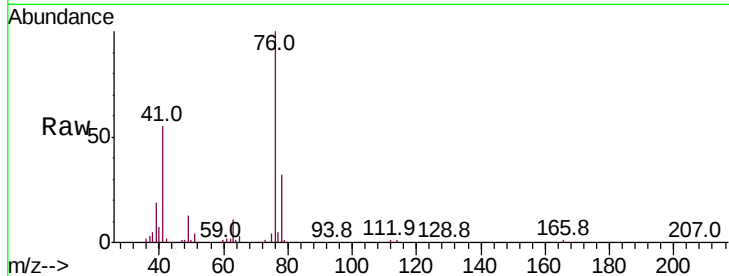
78 32.4 25.8 38.6

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#59

2-Hexanone

Concen: 266.115 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056150.D

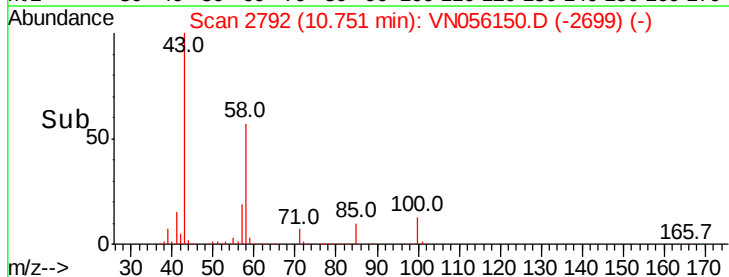
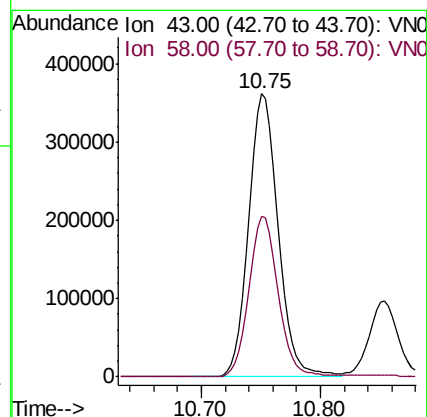
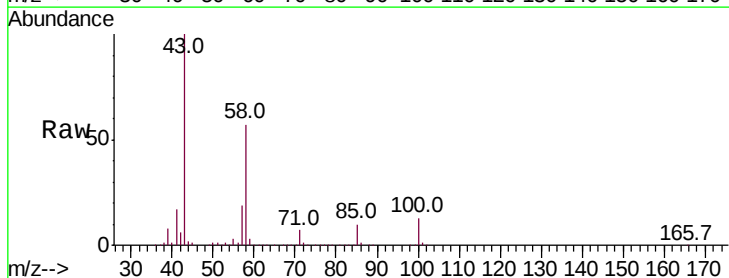
Acq: 8 Jun 2019 13:42

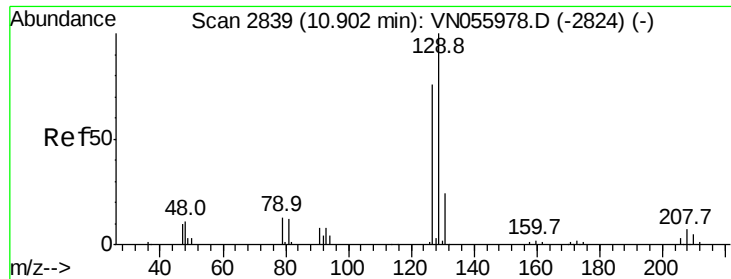
Tgt Ion: 43 Resp: 620881

Ion Ratio Lower Upper

43 100

58 56.6 28.2 84.7





#60

Dibromochloromethane

Concen: 47.074 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion:129 Resp: 138323

Ion Ratio Lower Upper

129 100

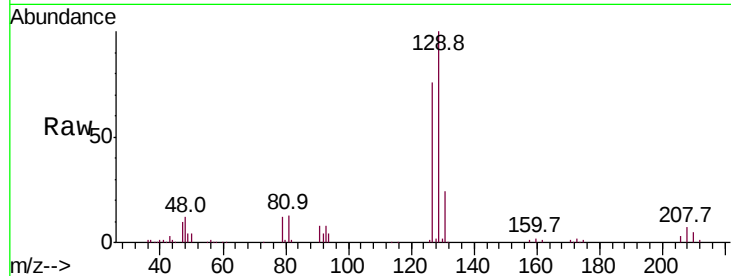
127 76.9 38.1 114.3

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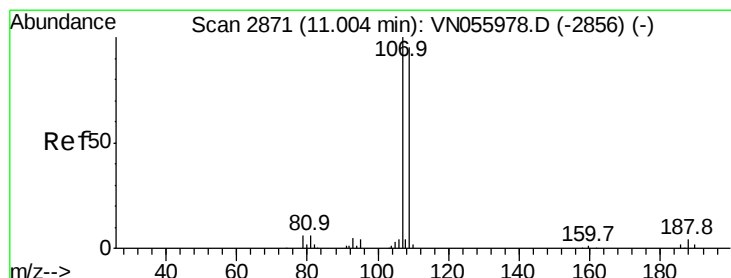
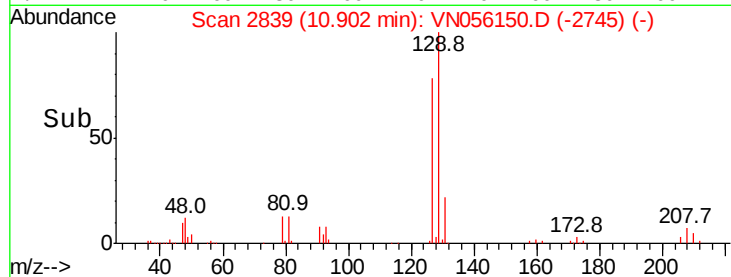
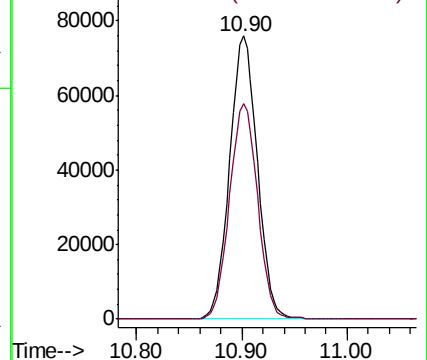
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.894 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056150.D

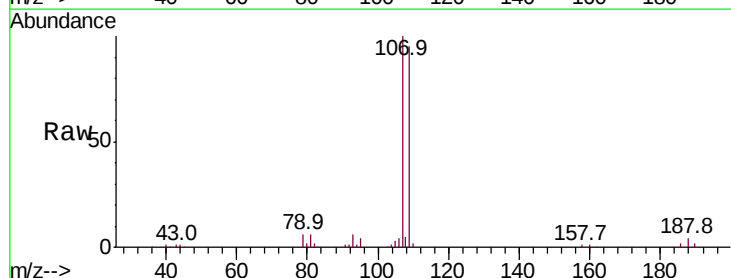
Acq: 8 Jun 2019 13:42

Tgt Ion:107 Resp: 147261

Ion Ratio Lower Upper

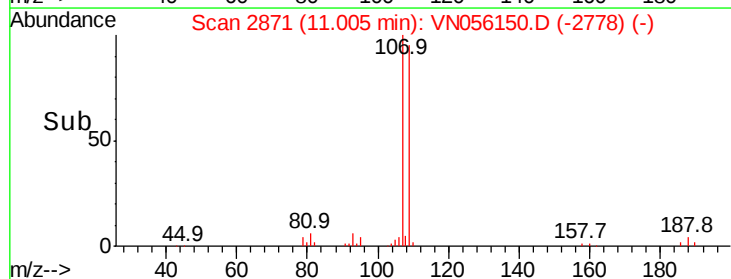
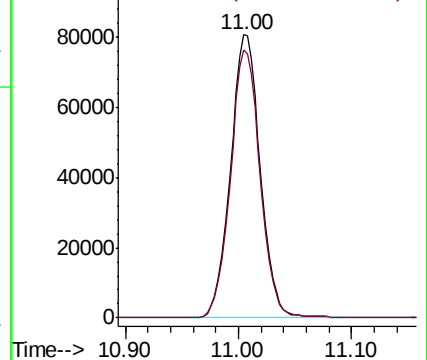
107 100

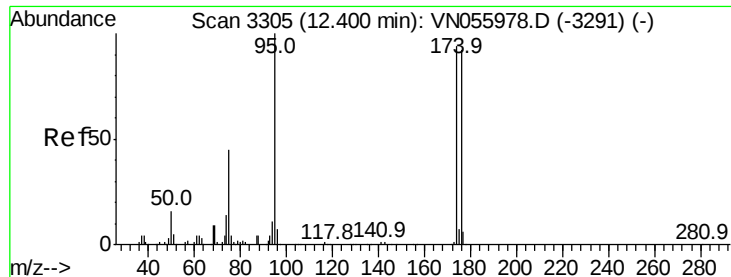
109 94.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





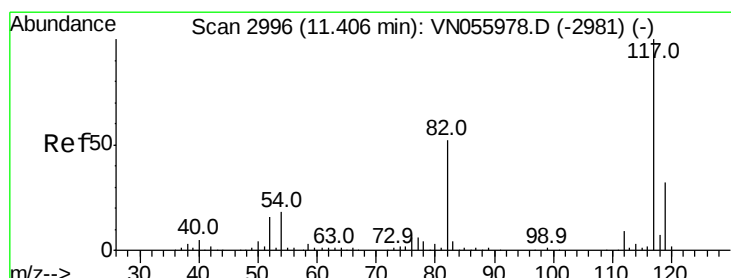
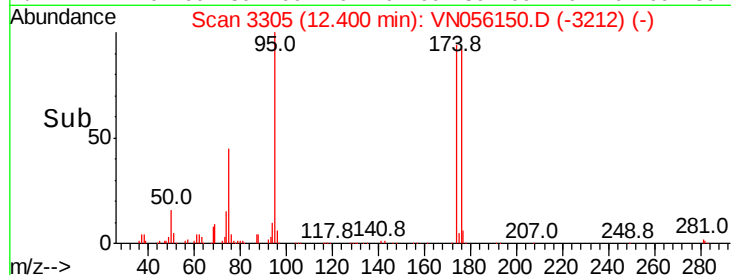
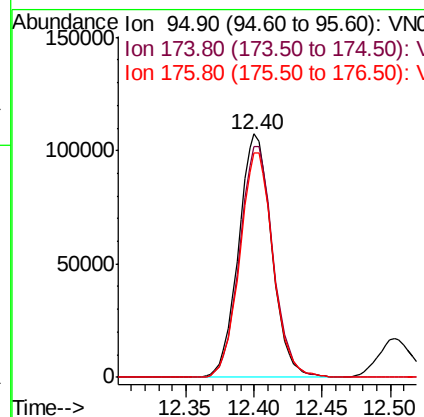
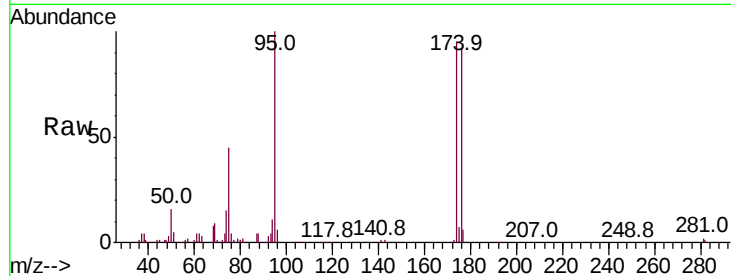
#62
4-Bromofluorobenzene
Concen: 54.236 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	180805		
174	96.0	0.0	191.0	
176	92.9	0.0	185.2	

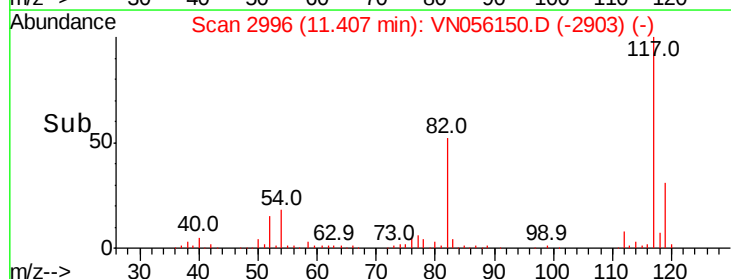
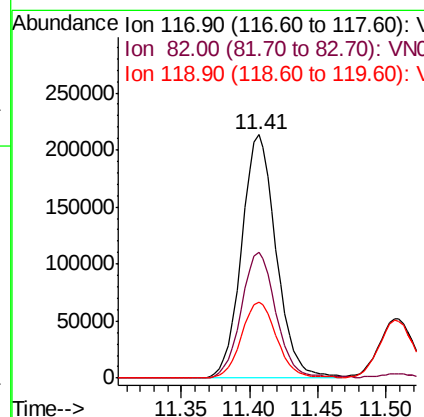
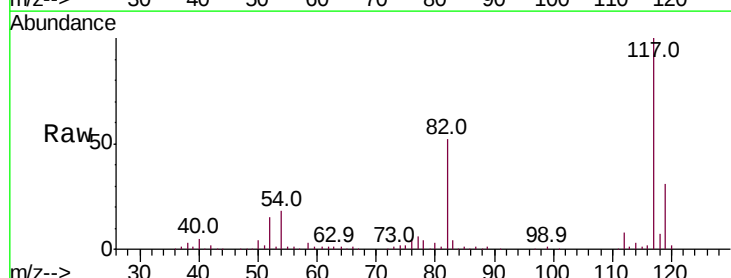
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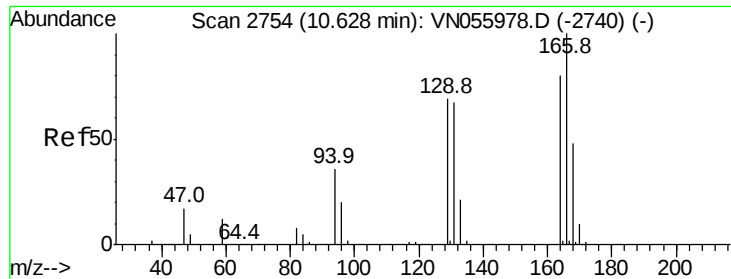
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	375588		
82	51.5	41.8	62.8	
119	31.2	25.4	38.0	





#64

Tetrachloroethene

Concen: 45.519 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion:164 Resp: 147990

Ion Ratio Lower Upper

164 100

166 125.8 103.0 154.6

129 84.7 70.6 105.8

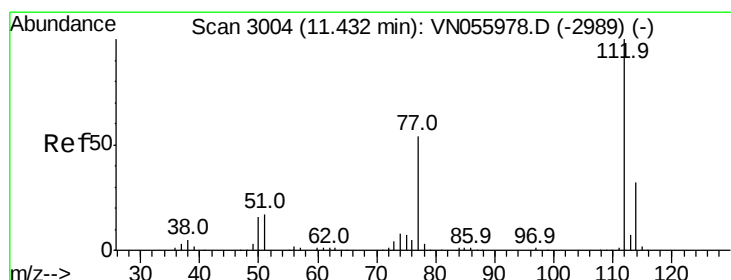
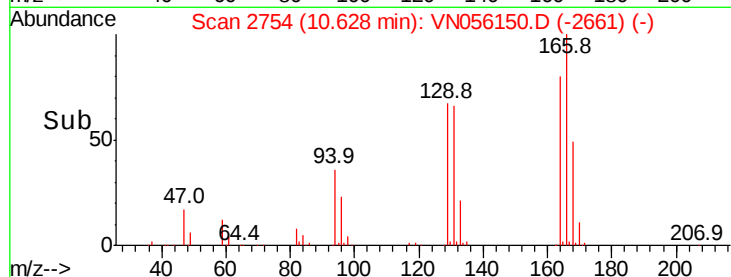
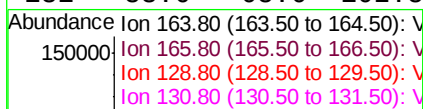
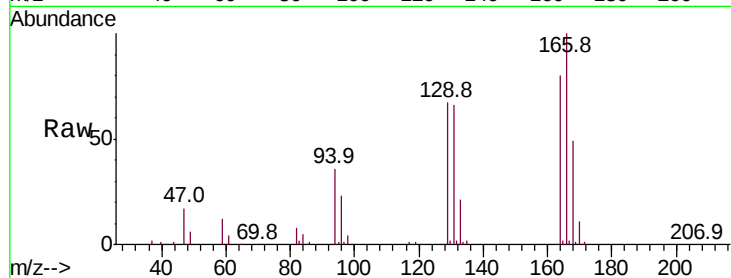
131 83.6 68.6 102.8

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#65

Chlorobenzene

Concen: 50.588 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056150.D

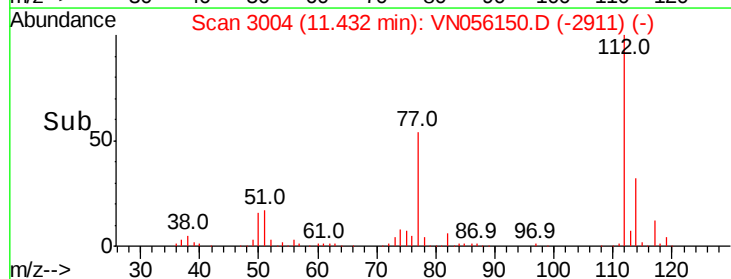
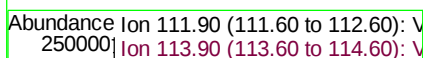
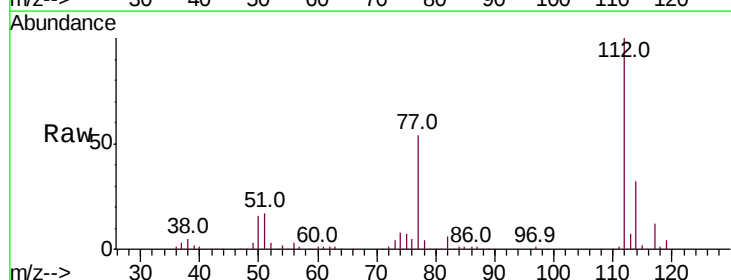
Acq: 8 Jun 2019 13:42

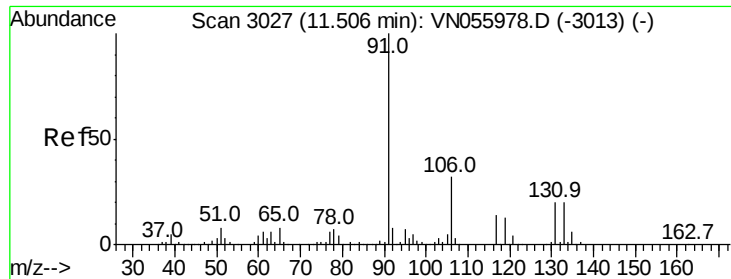
Tgt Ion:112 Resp: 378145

Ion Ratio Lower Upper

112 100

114 32.2 26.2 39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 51.970 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

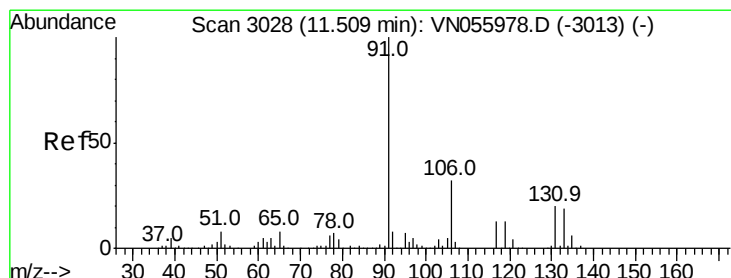
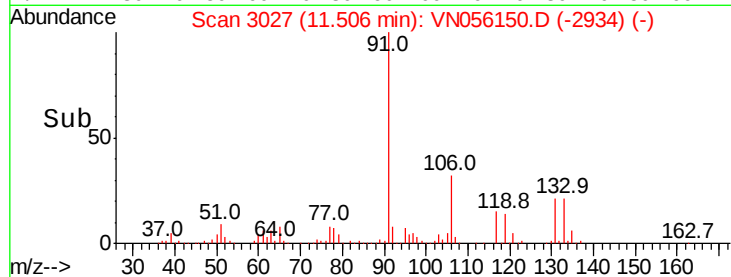
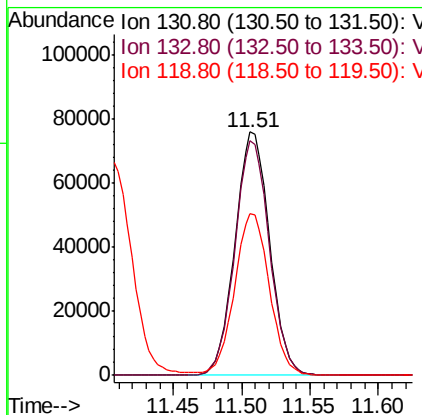
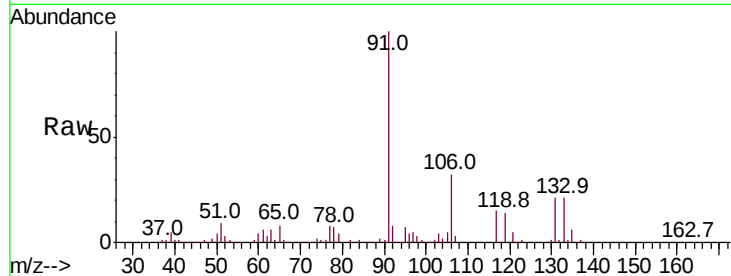
ClientSampleId :

SP19-MMW-3414MS

Tot Ion:	131	Resp:	134135
Ion Ratio	Lower	Upper	
131	100		
133	96.1	48.0	144.0
119	67.0	33.1	99.5

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#67

Ethyl Benzene

Concen: 49.815 ug/l

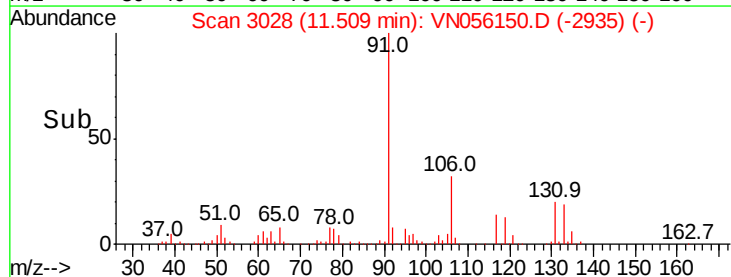
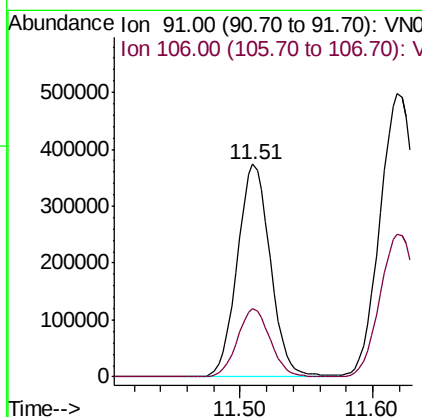
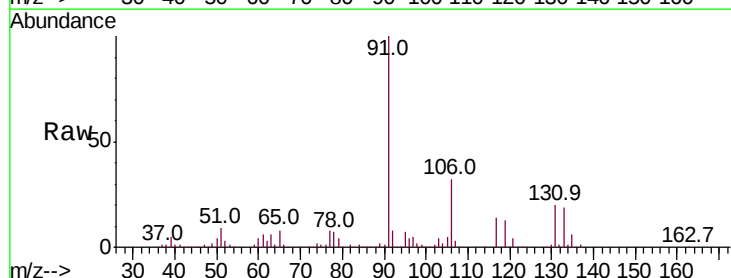
RT: 11.51 min Scan# 3028

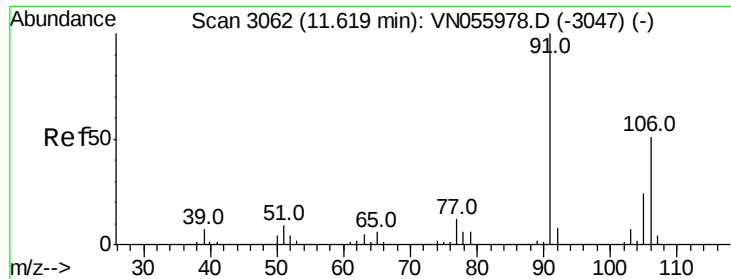
Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion:	91	Resp:	647479
Ion Ratio	Lower	Upper	
91	100		
106	32.0	25.1	37.7





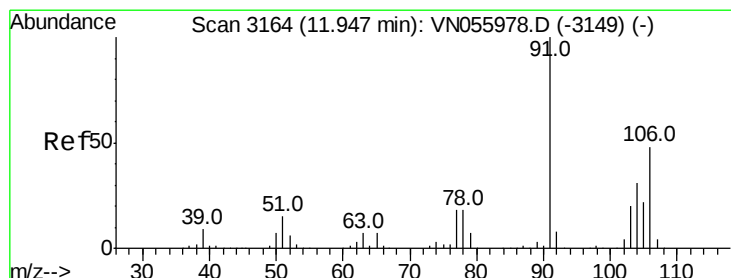
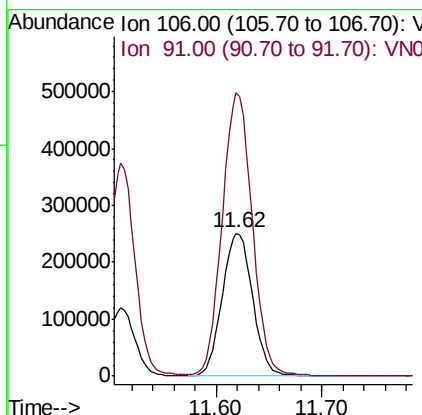
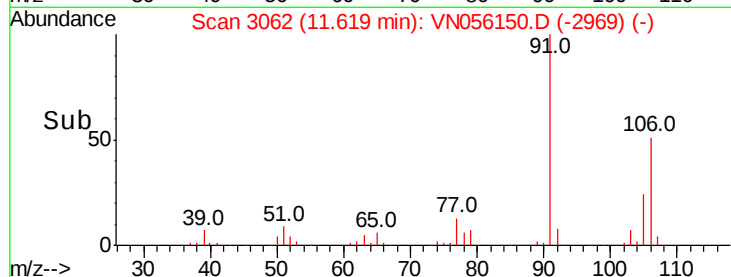
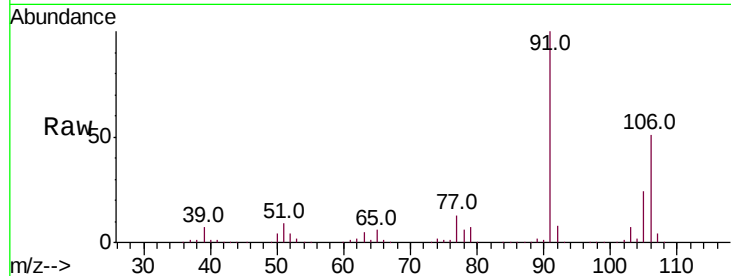
#68
m/p-Xylenes
Concen: 101.067 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion:106 Resp: 501824
Ion Ratio Lower Upper
106 100
91 195.9 159.3 238.9

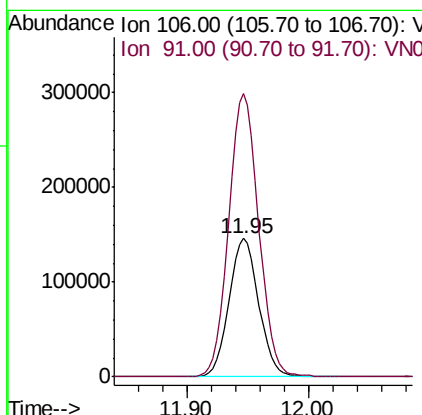
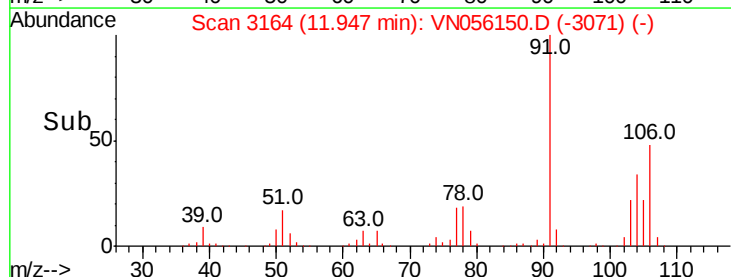
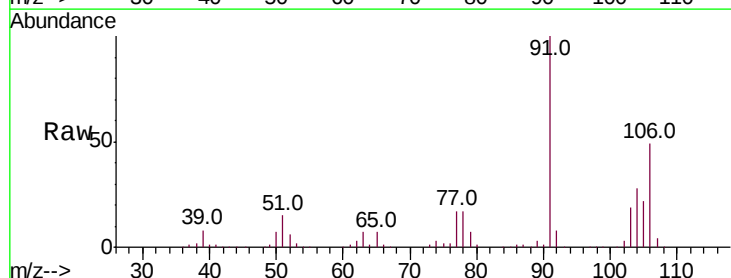
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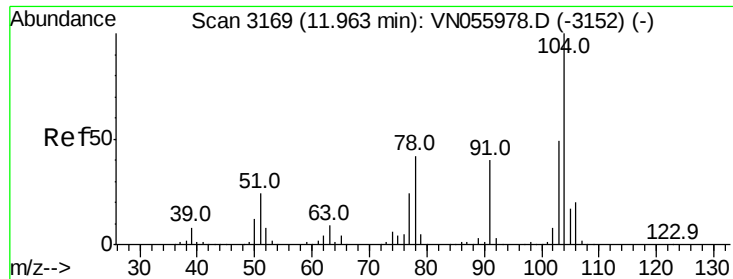
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#69
o-Xylene
Concen: 50.879 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion:106 Resp: 248499
Ion Ratio Lower Upper
106 100
91 205.8 104.7 314.1





#70

Stvrene

Concen: 53.028 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

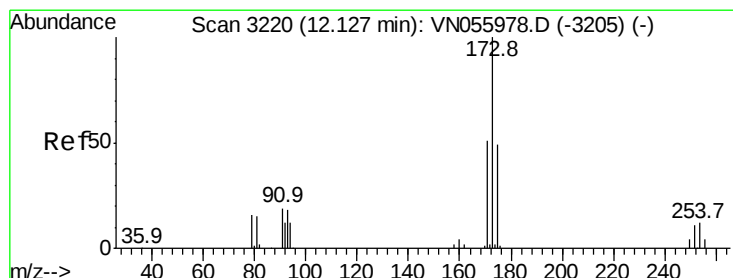
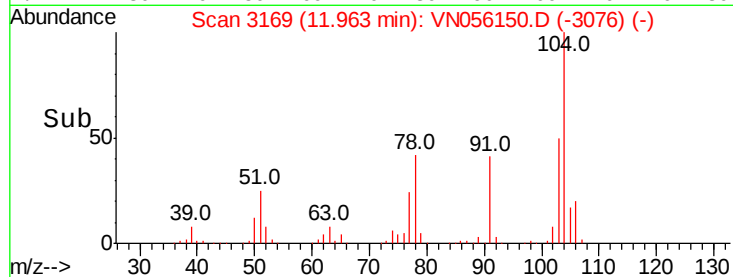
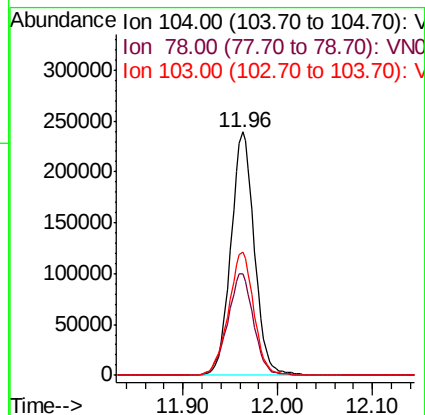
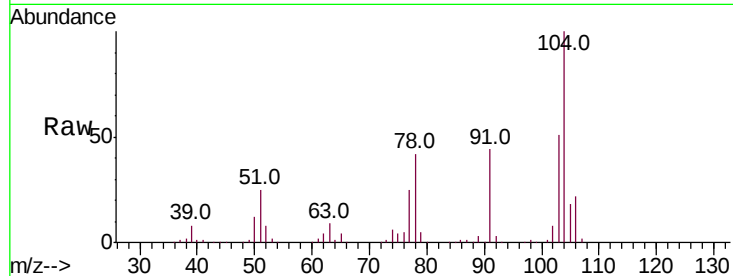
ClientSampleId :

SP19-MMW-3414MS

Tot Ion:	104	Resp:	411510
Ion Ratio	Lower	Upper	
104	100		
78	46.3	37.8	56.6
103	55.0	44.2	66.2

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#71

Bromoform

Concen: 45.842 ug/l

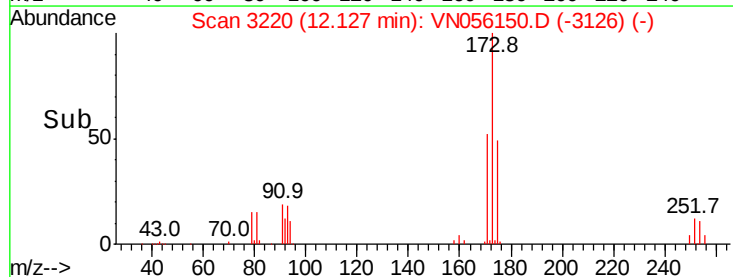
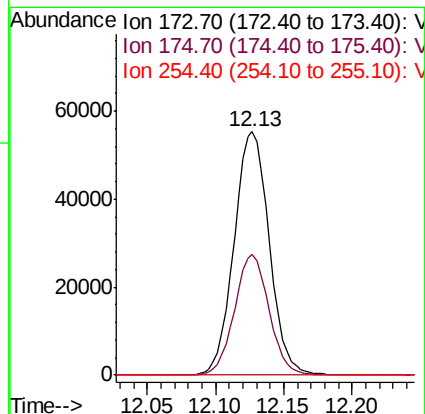
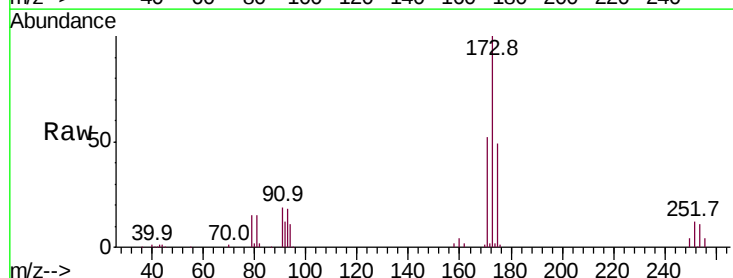
RT: 12.13 min Scan# 3220

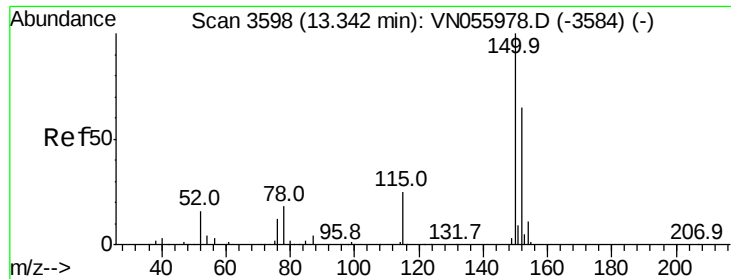
Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion:	173	Resp:	98812
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.3	72.8
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion:152 Resp: 168772

Ion Ratio Lower Upper

152 100

115 53.0 27.0 81.0

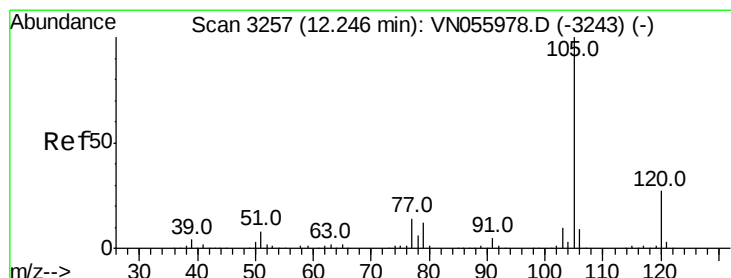
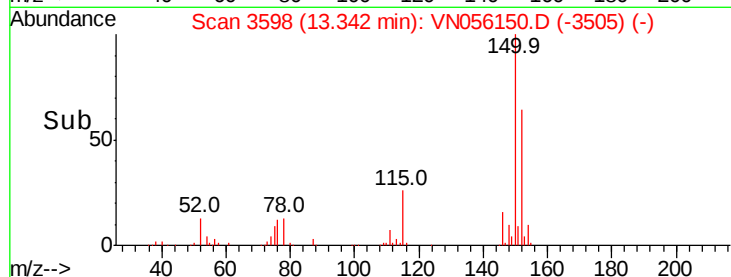
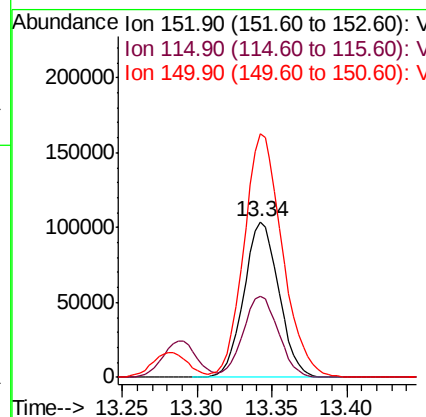
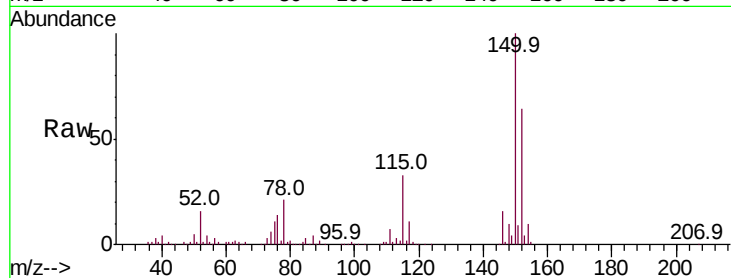
150 172.2 0.0 343.2

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#73

Isopropylbenzene

Concen: 53.858 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056150.D

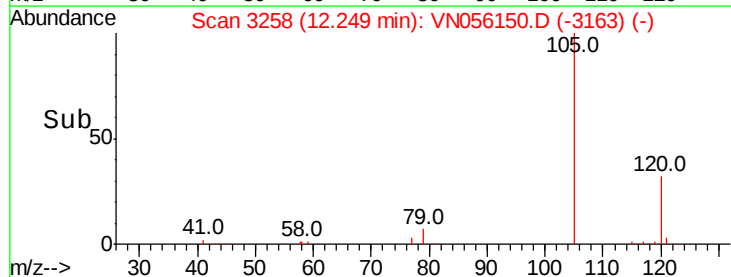
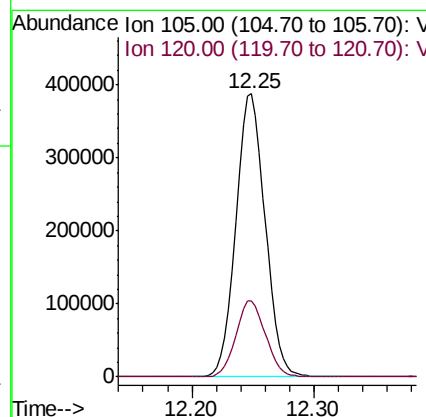
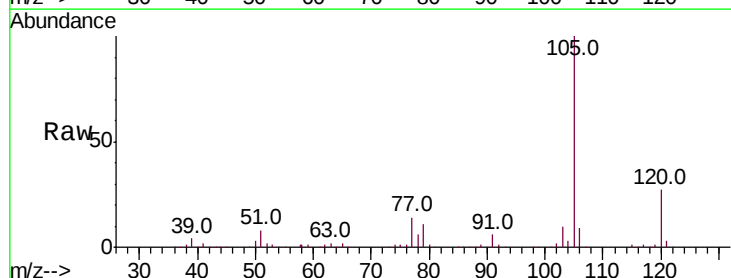
Acq: 8 Jun 2019 13:42

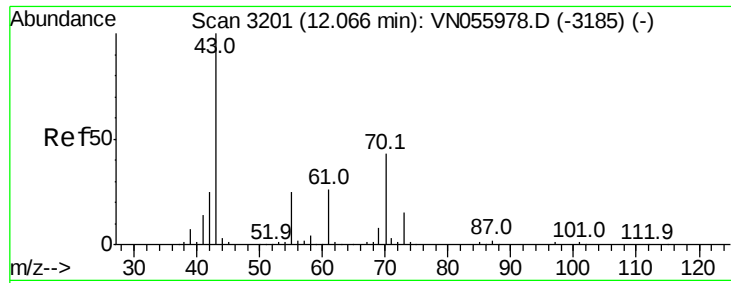
Tgt Ion:105 Resp: 645674

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7





#74

N-amvl acetate

Concen: 34.100 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

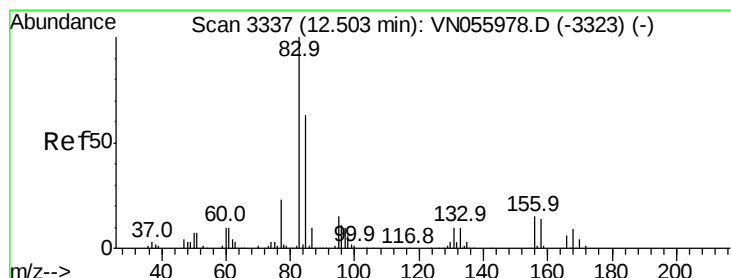
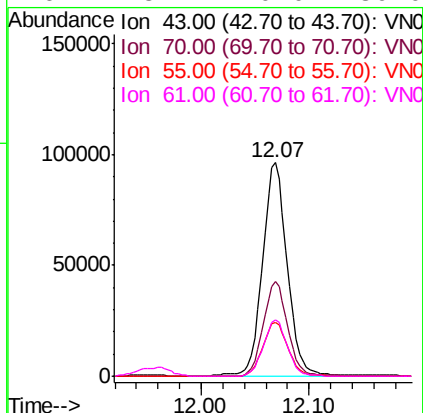
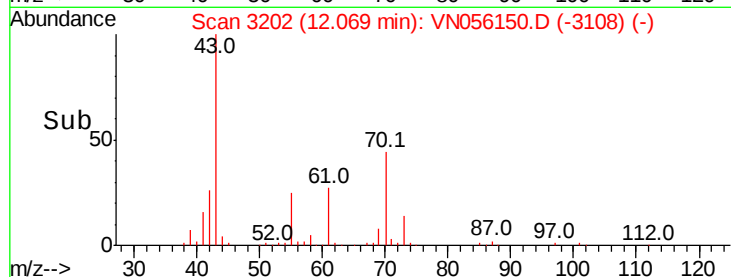
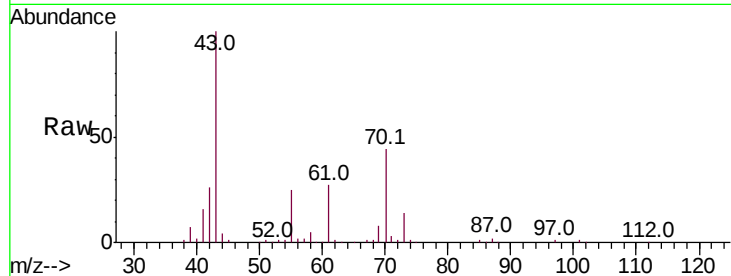
ClientSampleId :

SP19-MMW-3414MS

Tot Ion:	43	Resp:	153413
Ion Ratio	Lower	Upper	
43	100		
70	43.7	34.0	51.0
55	25.6	18.6	28.0
61	25.4	20.0	30.0

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#75

1,1,2,2-Tetrachloroethane

Concen: 51.207 ug/l

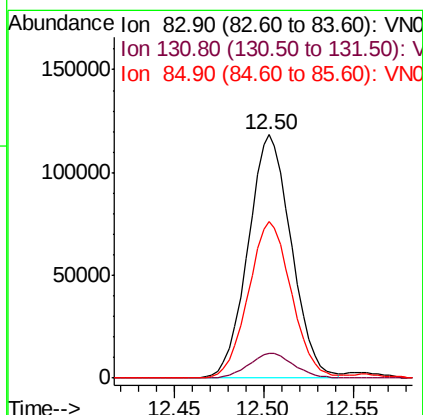
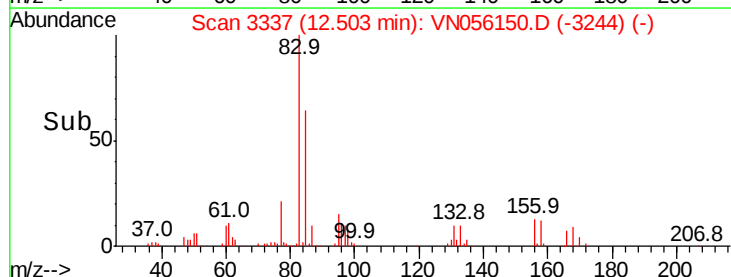
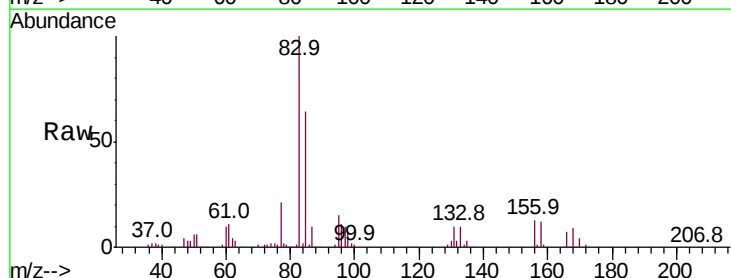
RT: 12.50 min Scan# 3337

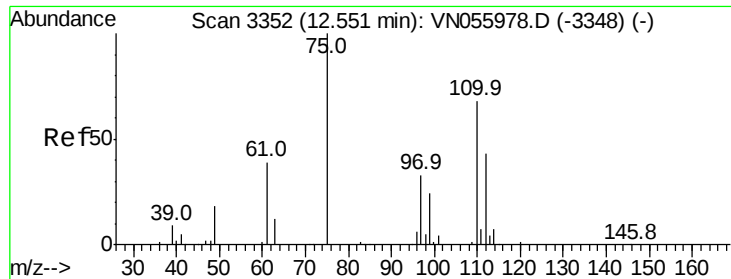
Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion:	83	Resp:	200625
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	64.1	32.4	97.0





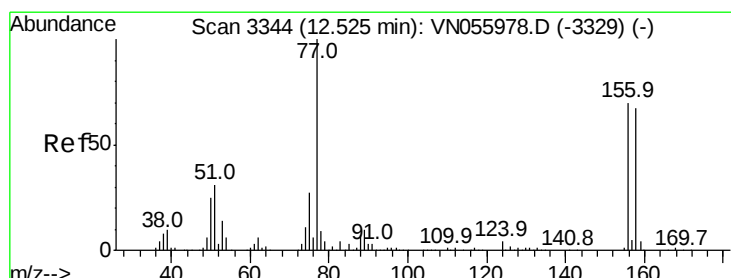
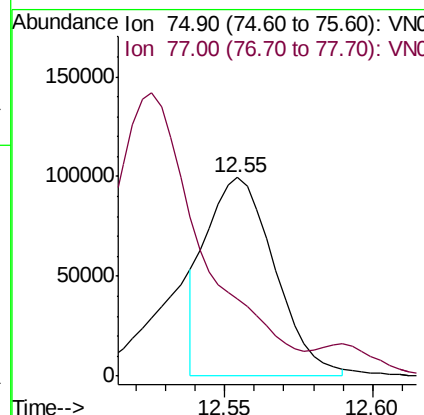
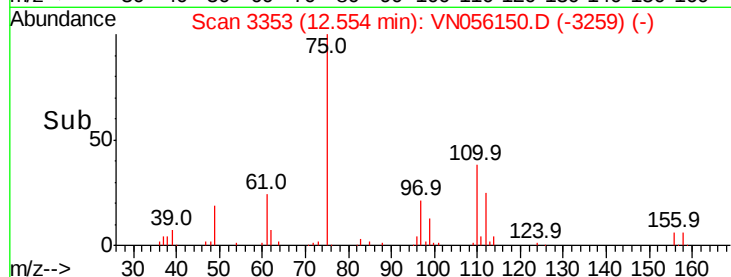
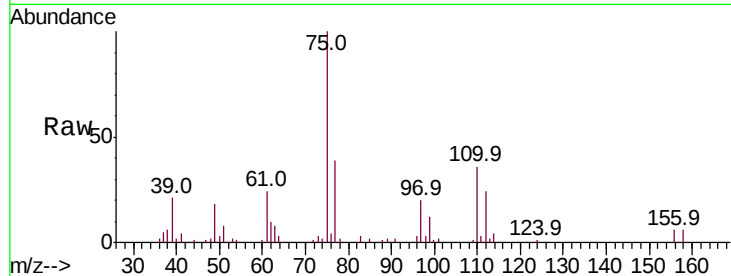
#76
1,2,3-Trichloropropane
Concen: 51.110 ug/l m
RT: 12.55 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 75 Resp: 158721
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

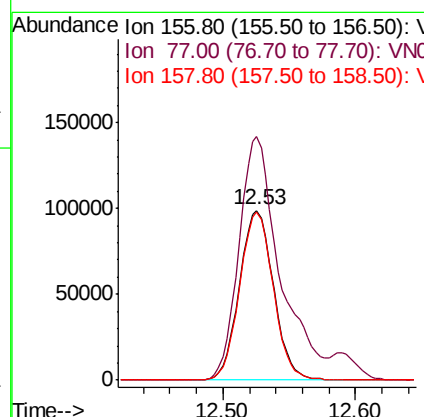
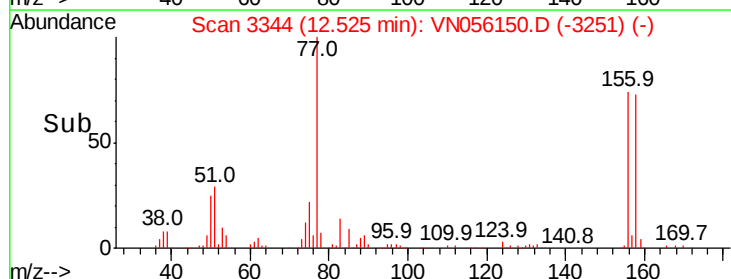
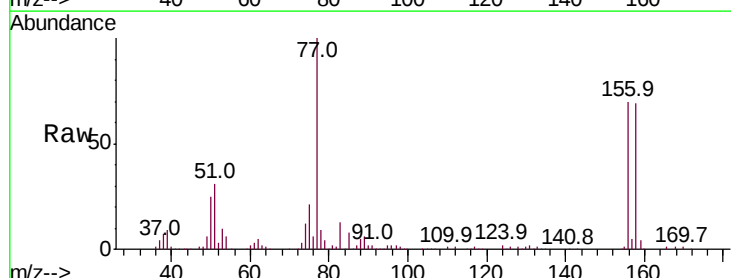
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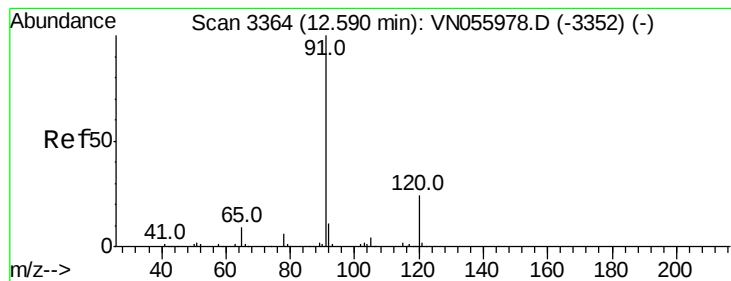
MMDadoda
6/10/2019 11:25:41 AM



#77
Bromobenzene
Concen: 48.821 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 156 Resp: 176408
Ion Ratio Lower Upper
156 100
77 172.1 90.8 272.5
158 98.0 49.3 147.8





#78

n-propylbenzene

Concen: 47.843 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion: 91 Resp: 683096

Ion Ratio Lower Upper

91 100

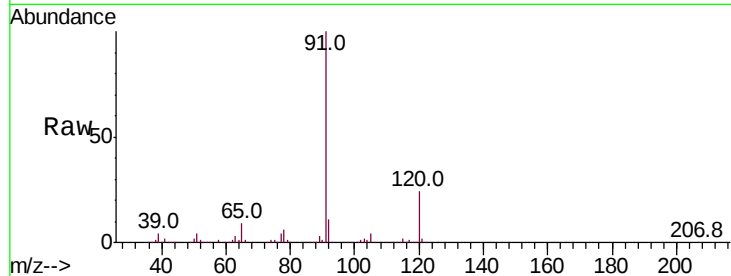
120 24.3 12.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3352) (-)

12.59

400000

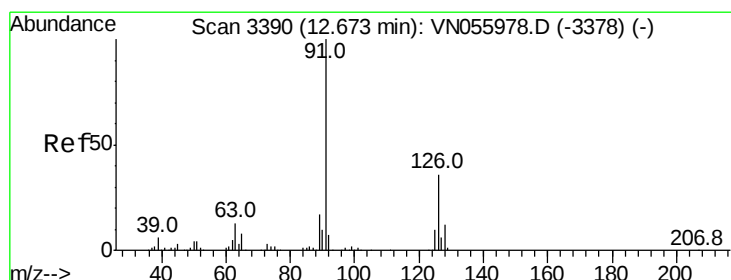
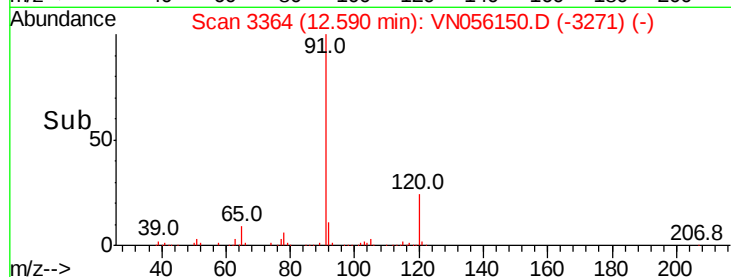
300000

200000

100000

0

Time-->



#79

2-Chlorotoluene

Concen: 53.792 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056150.D

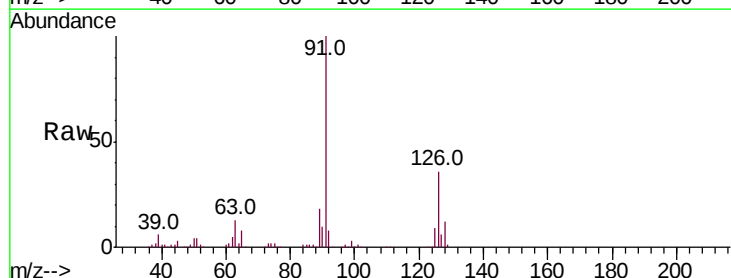
Acq: 8 Jun 2019 13:42

Tgt Ion: 91 Resp: 424613

Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.4



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

Ion 126.00 (125.60 to 126.60): VN055978.D (-3378) (-)

12.67

400000

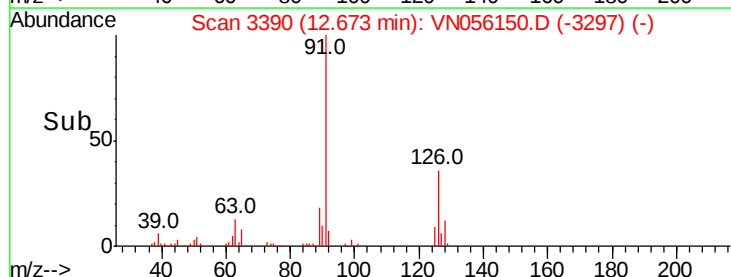
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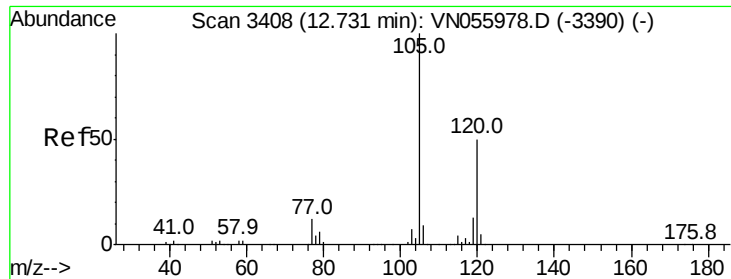
200000

100000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 46.276 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MS

Tot Ion:105 Resp: 525115

Ion Ratio Lower Upper

105 100

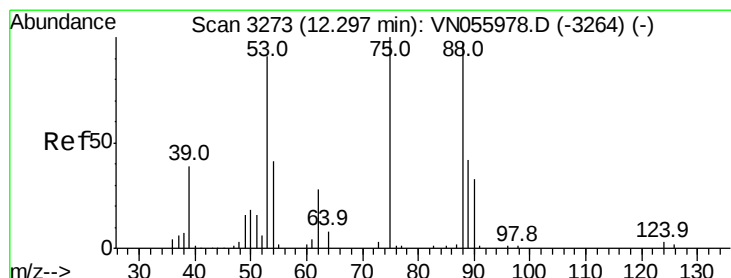
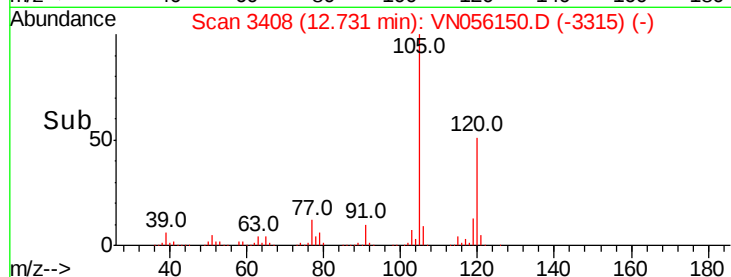
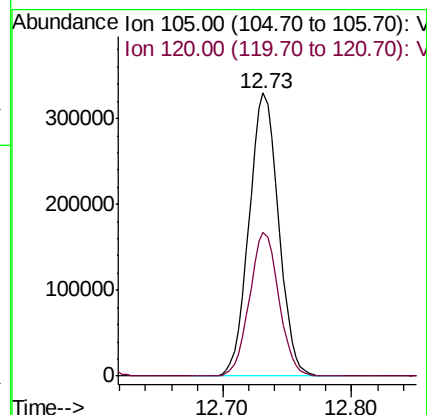
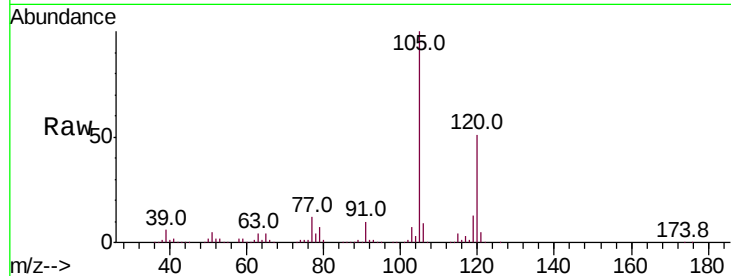
120 50.5 24.7 74.1

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#81

trans-1,4-Dichloro-2-butene

Concen: 35.709 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

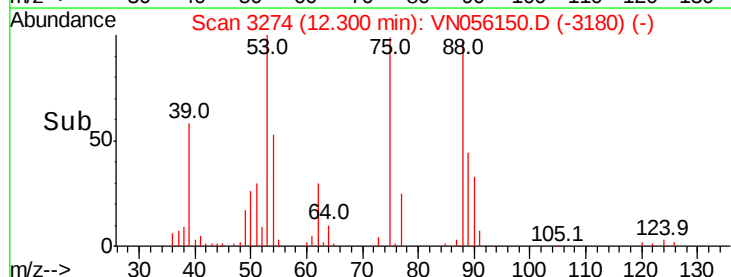
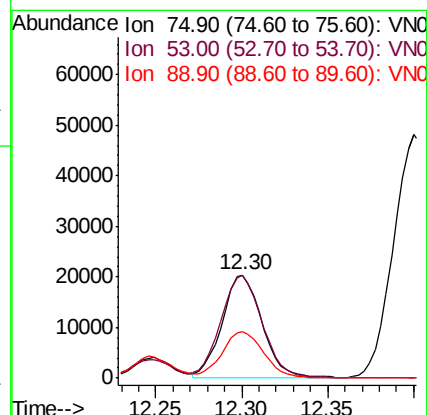
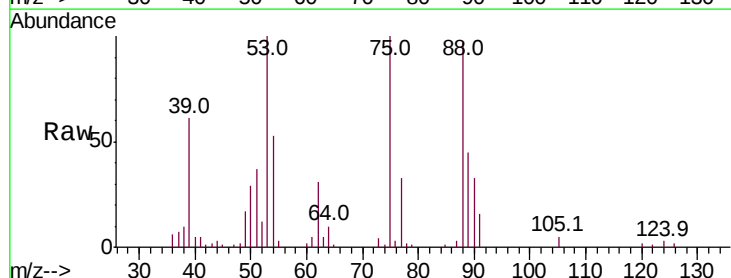
Tgt Ion: 75 Resp: 33299

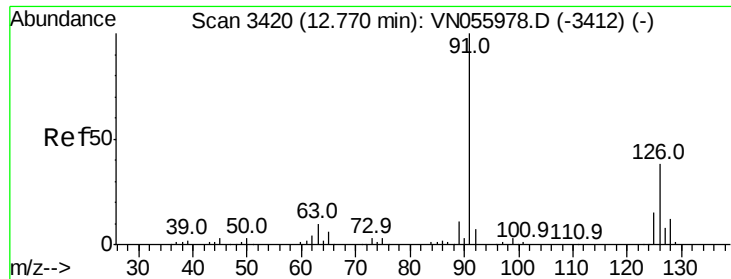
Ion Ratio Lower Upper

75 100

53 102.9 68.1 102.1#

89 46.7 36.9 55.3





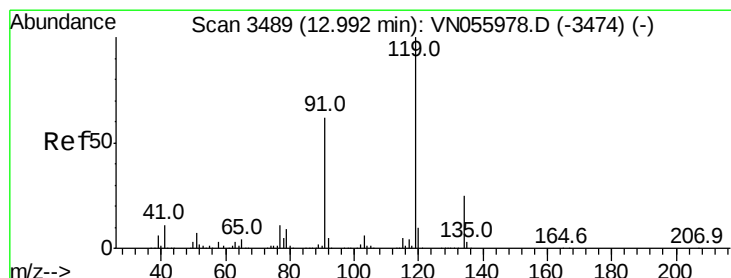
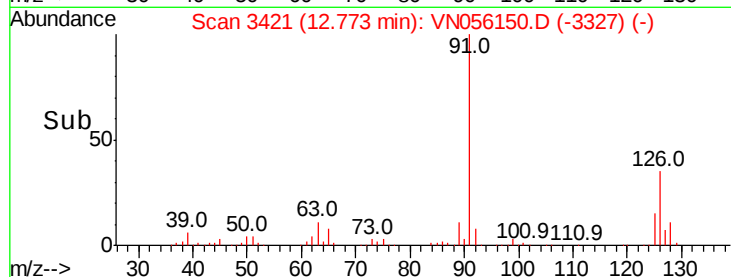
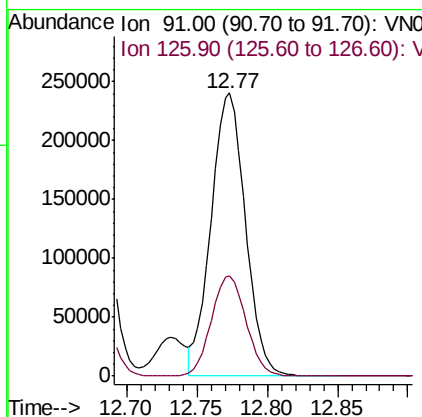
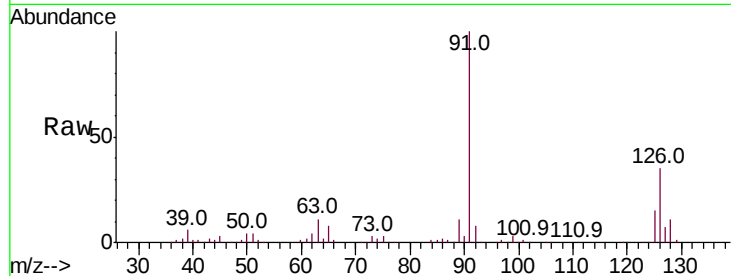
#82
4-Chlorotoluene
Concen: 48.570 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion: 91 Resp: 405718
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.3

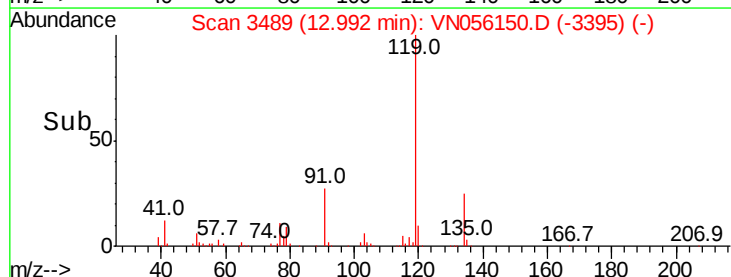
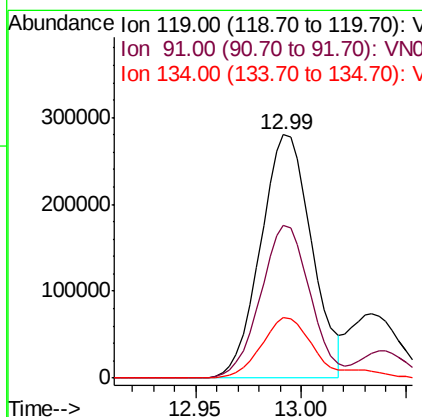
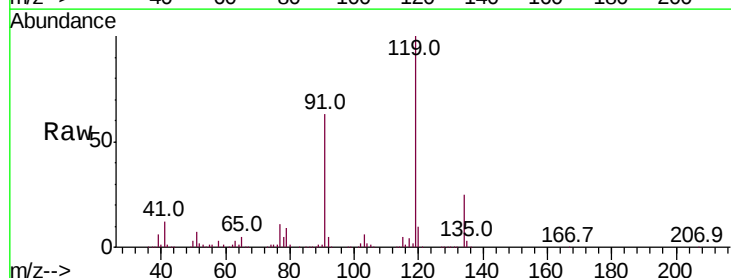
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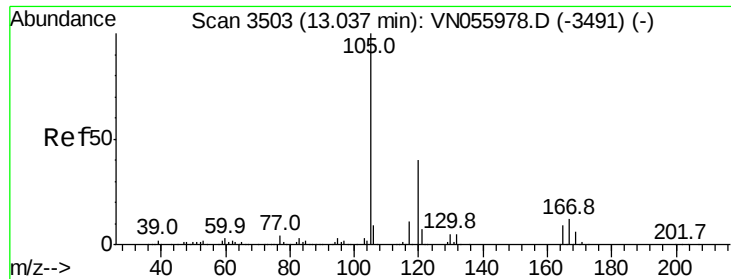
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#83
tert-Butylbenzene
Concen: 53.882 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion: 119 Resp: 472534
Ion Ratio Lower Upper
119 100
91 61.0 30.9 92.8
134 27.0 13.3 39.8





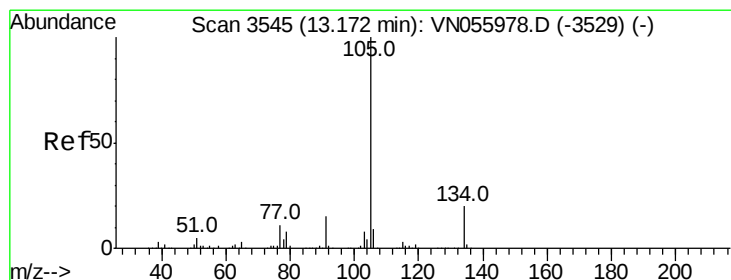
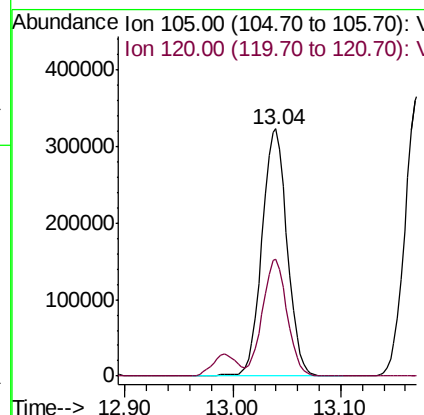
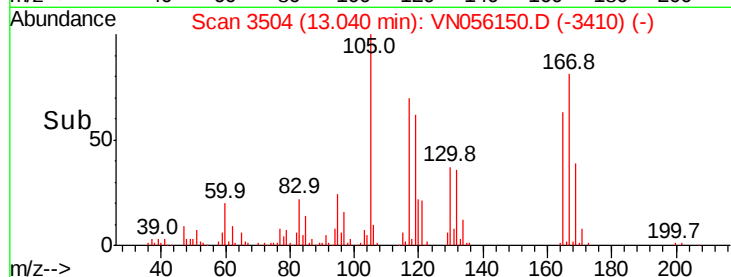
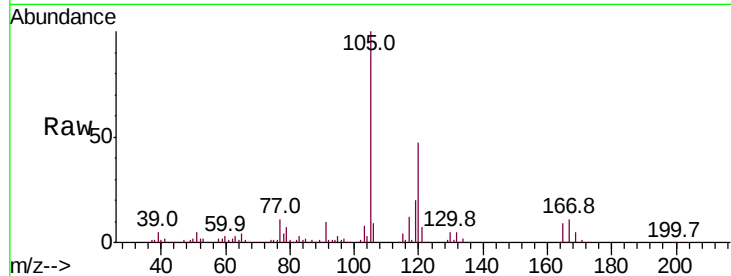
#84
1,2,4-Trimethylbenzene
Concen: 48.452 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion:105 Resp: 521392
Ion Ratio Lower Upper
105 100
120 46.5 23.0 69.0

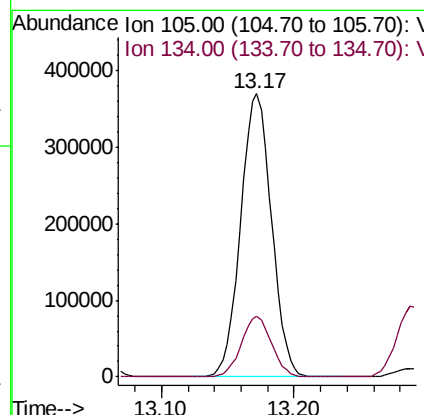
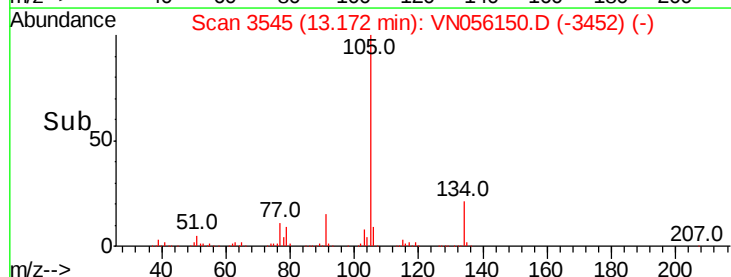
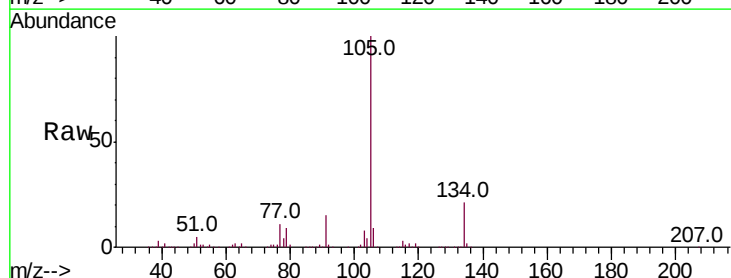
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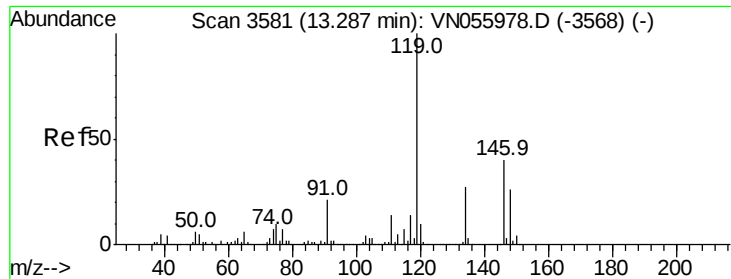
MMDadoda
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#85
sec-Butylbenzene
Concen: 47.204 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion:105 Resp: 596871
Ion Ratio Lower Upper
105 100
134 20.9 10.4 31.2





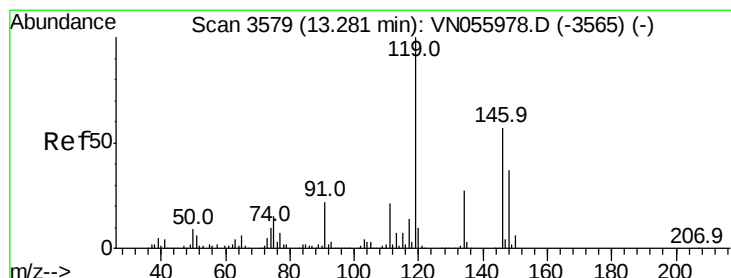
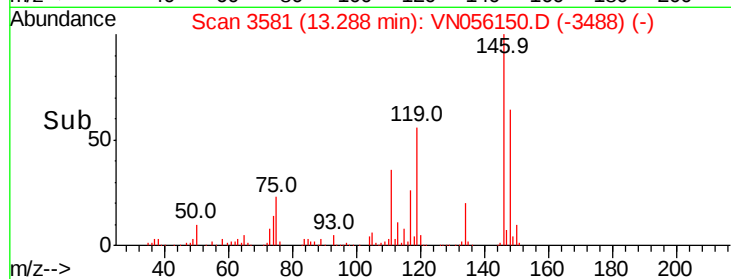
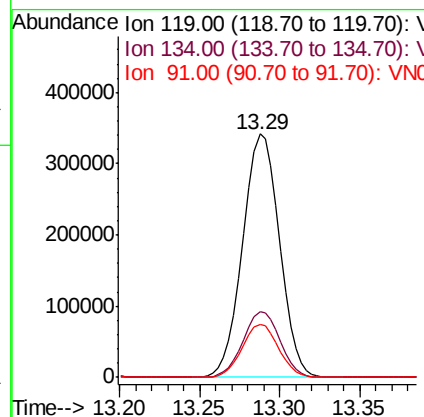
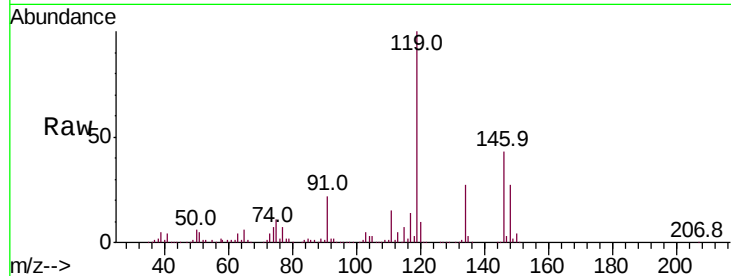
#86
p-Isopropyltoluene
Concen: 47.177 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	533870		
134	27.2		13.4	40.1
91	21.6		10.9	32.9

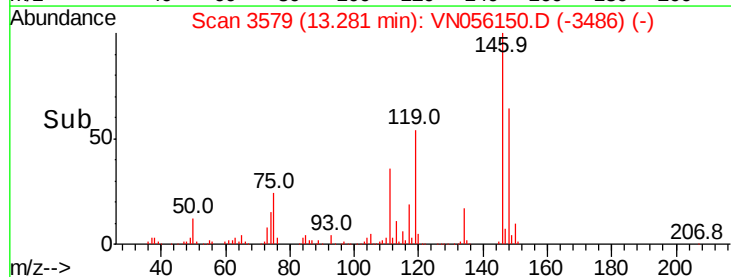
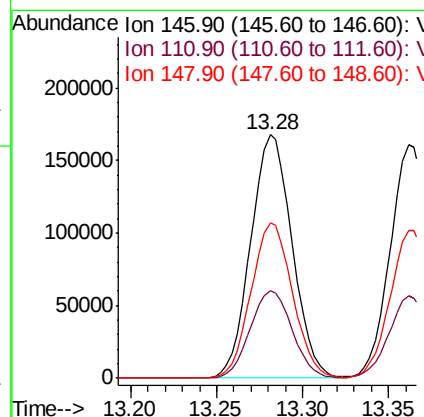
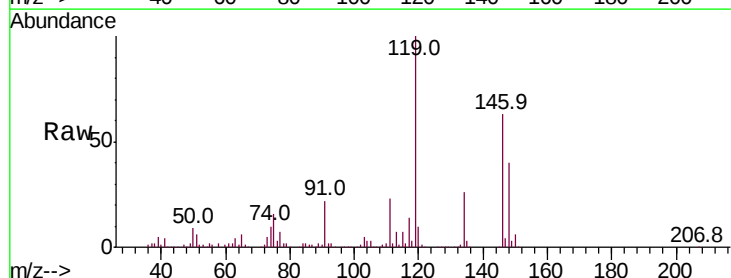
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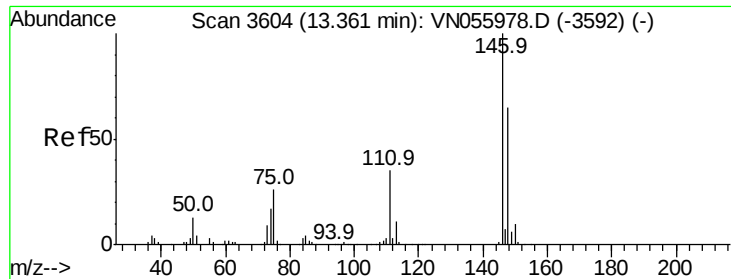
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#87
1,3-Dichlorobenzene
Concen: 50.078 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	280061		
111	36.3		18.5	55.5
148	63.9		32.0	96.2





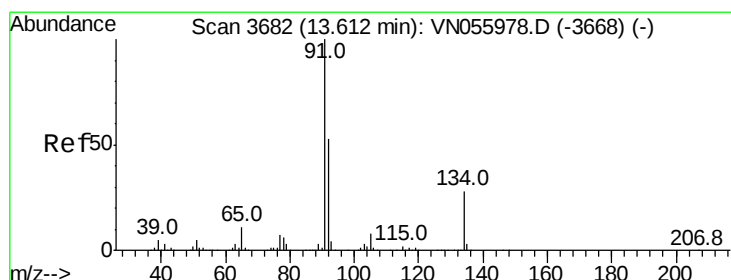
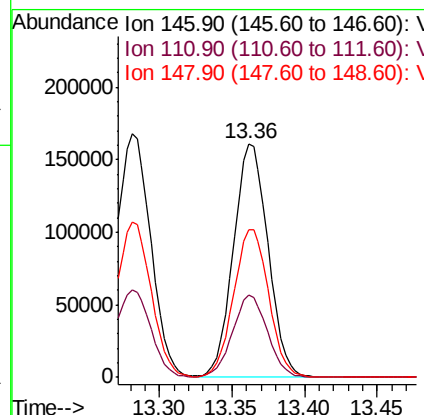
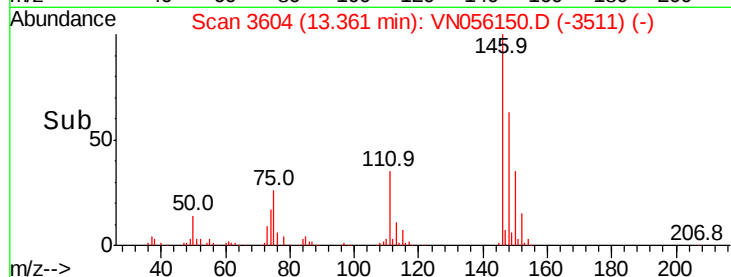
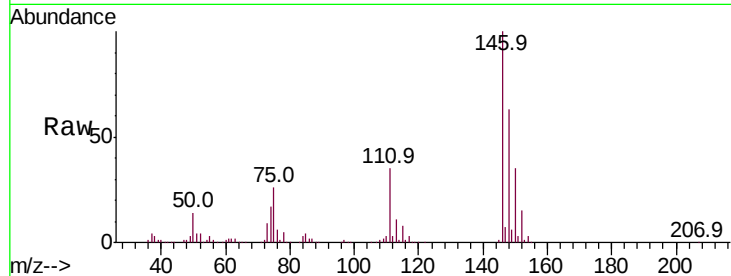
#88
 1,4-Dichlorobenzene
 Concen: 49.639 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.4
148	64.2	32.1	96.5

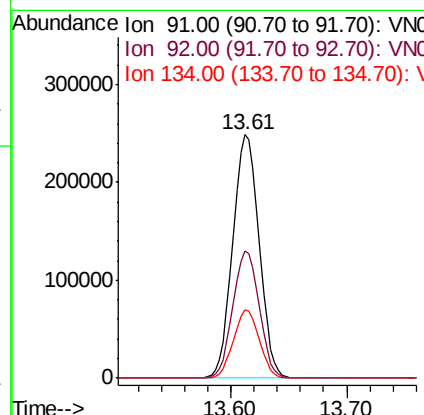
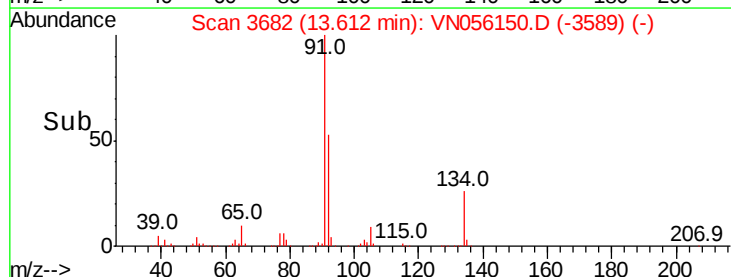
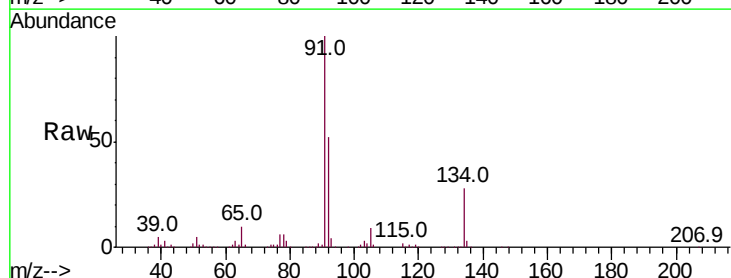
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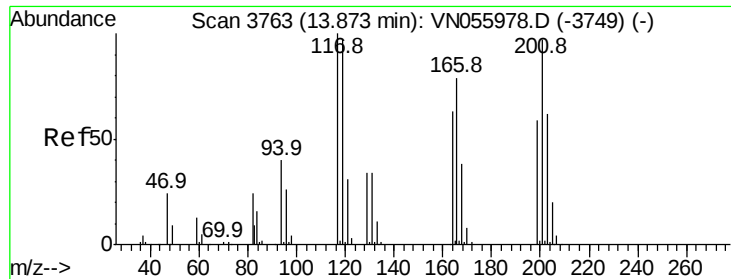
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#89
 n-Butylbenzene
 Concen: 46.295 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.0
134	27.6	13.9	41.7





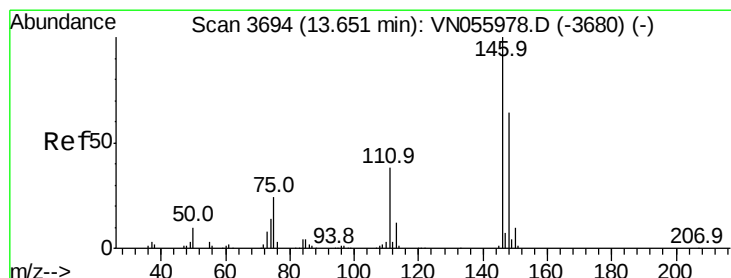
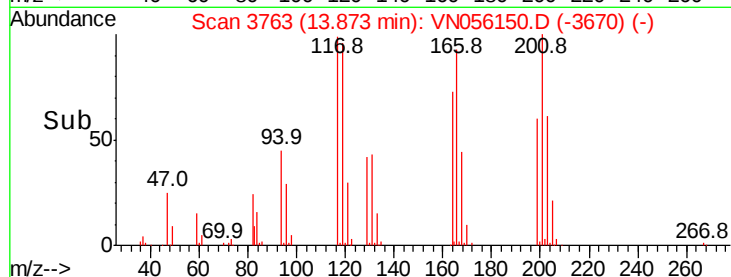
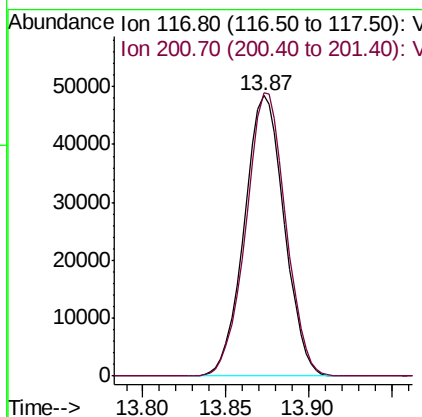
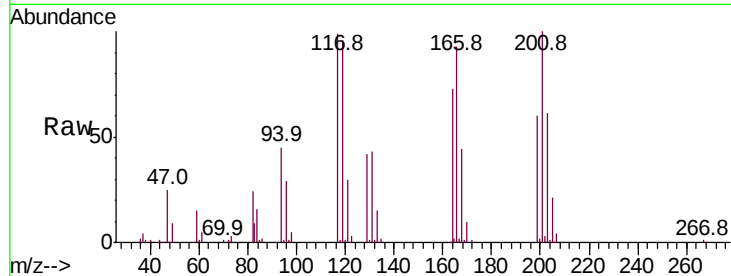
#90
Hexachloroethane
Concen: 47.571 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MS

Tot Ion:117 Resp: 81185
Ion Ratio Lower Upper
117 100
201 100.5 50.0 150.0

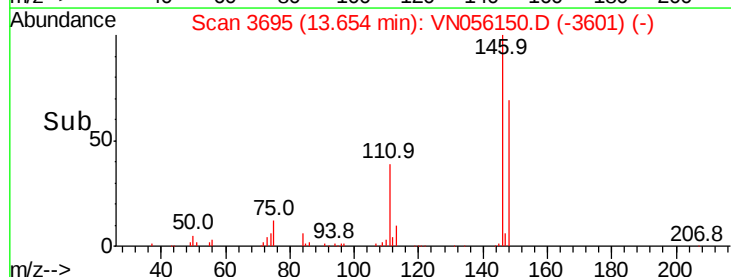
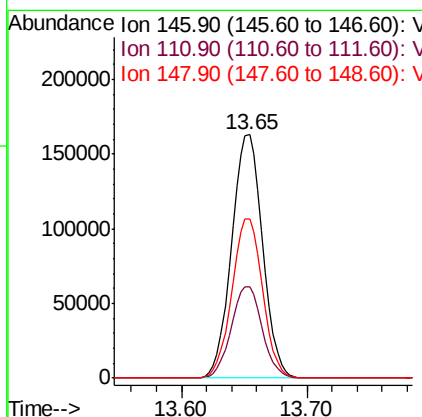
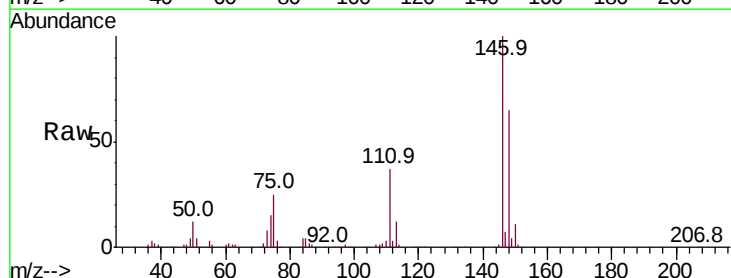
Manual Integrations
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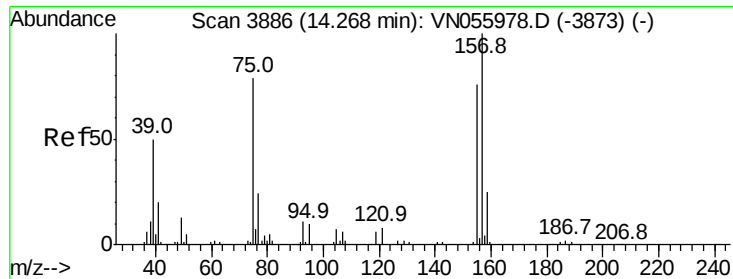
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#91
1,2-Dichlorobenzene
Concen: 49.438 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN056150.D
Acq: 8 Jun 2019 13:42

Tgt Ion:146 Resp: 279135
Ion Ratio Lower Upper
146 100
111 37.6 19.1 57.5
148 64.9 31.9 95.9





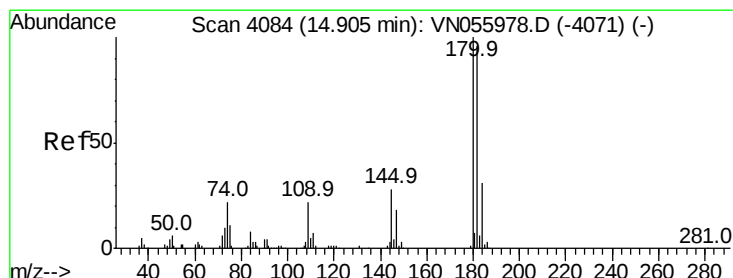
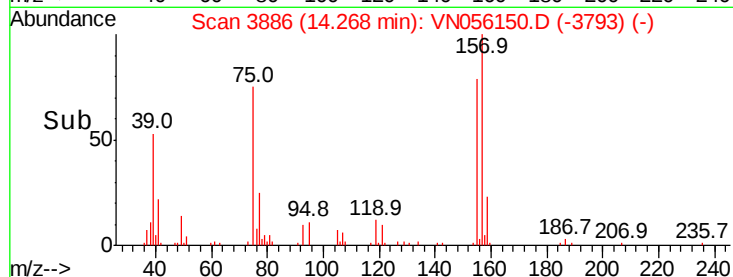
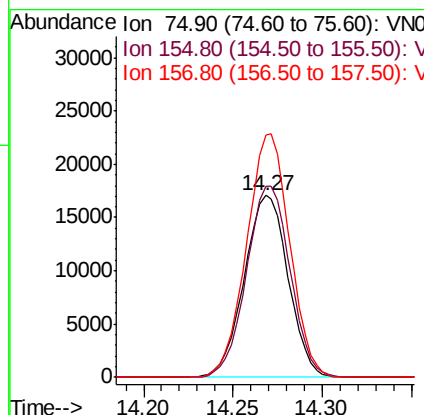
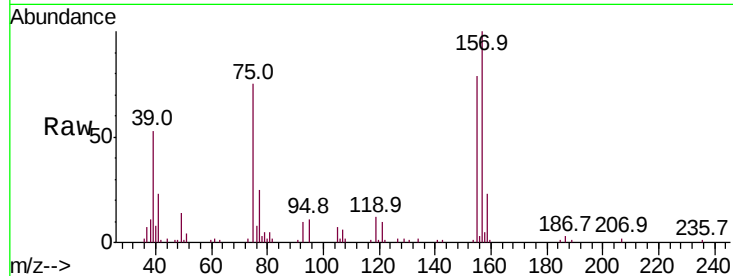
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.411 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion: 75 Resp: 29370
 Ion Ratio Lower Upper
 75 100
 155 104.4 50.0 150.1
 157 131.1 64.8 194.3

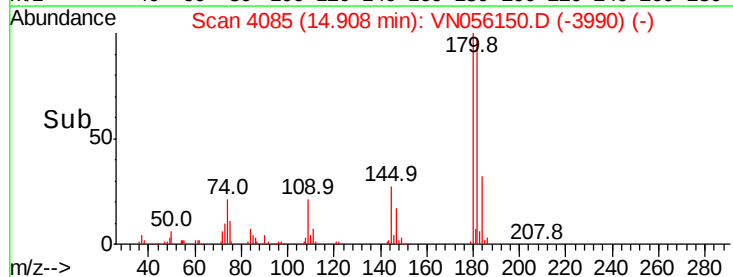
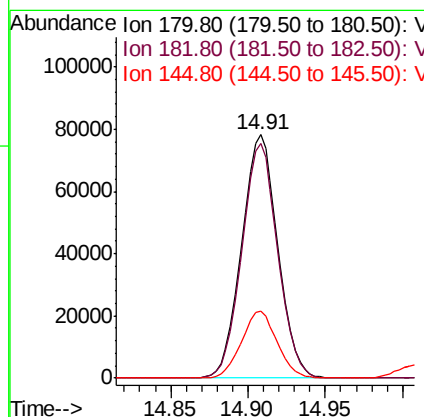
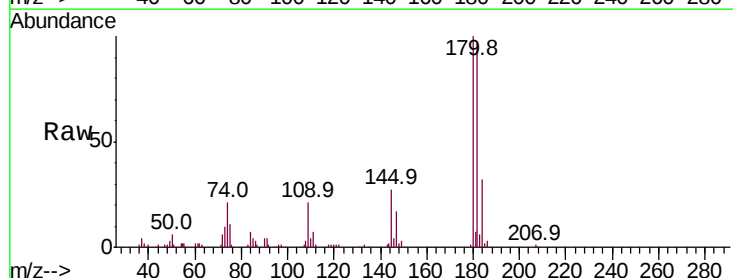
Manual Integrations
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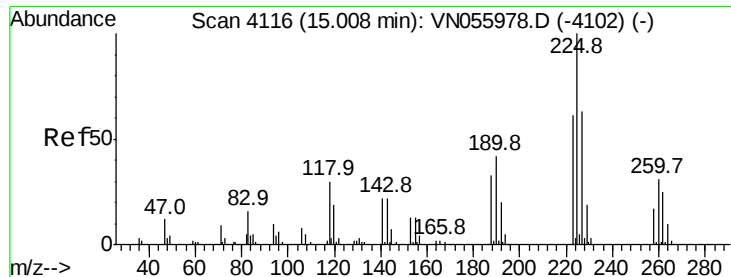
MMDadoda
 6/10/2019 11:25:41 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 41.497 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Tgt Ion:180 Resp: 126645
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.3 144.9
 145 27.1 14.0 41.9





#94

Hexachlorobutadiene

Concen: 48.985 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Instrument :

MSVOA_N

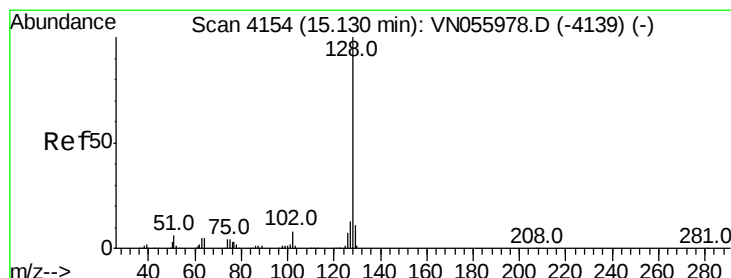
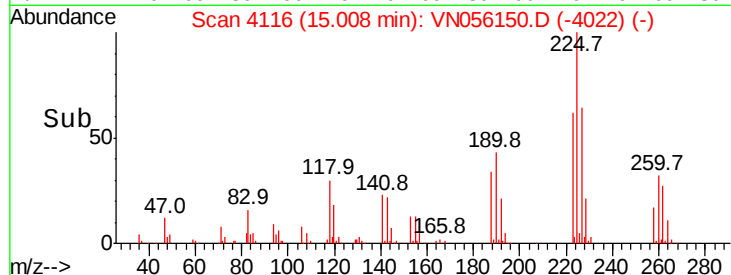
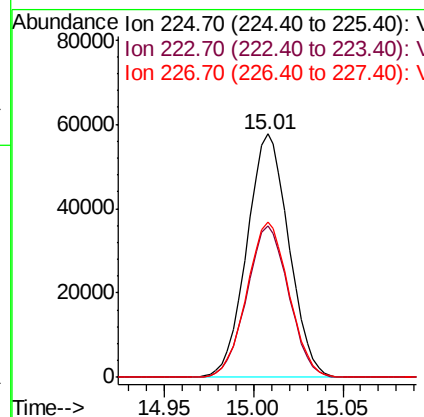
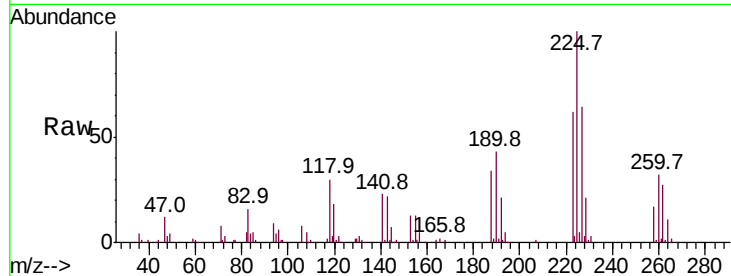
ClientSampleId :

SP19-MMW-3414MS

Tot Ion:	225	Resp:	94942
Ion Ratio		Lower	Upper
225	100		
223	62.1	30.9	92.7
227	64.0	31.6	94.7

Manual Integrations
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#95

Naphthalene

Concen: 42.963 ug/l

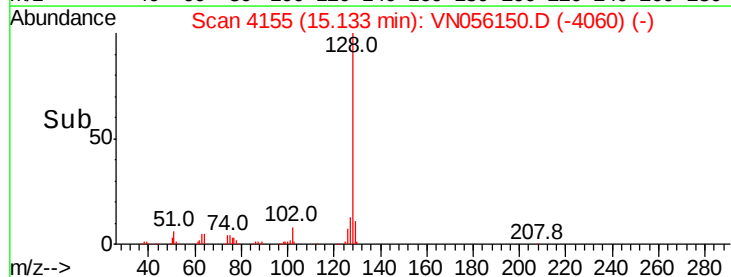
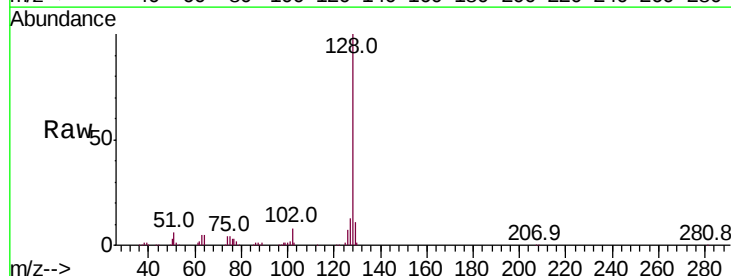
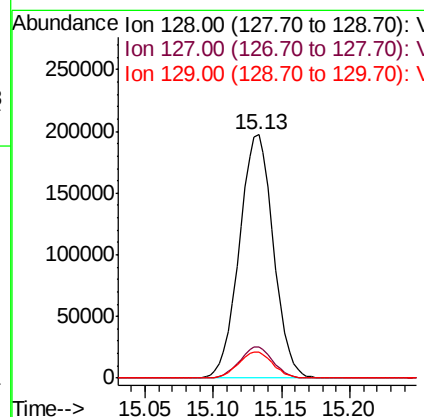
RT: 15.13 min Scan# 4155

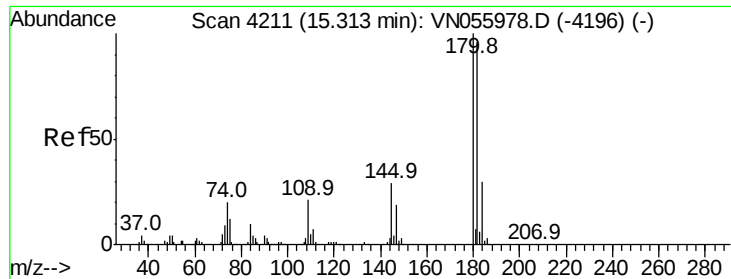
Delta R.T. 0.00 min

Lab File: VN056150.D

Acq: 8 Jun 2019 13:42

Tgt Ion:	128	Resp:	342071
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1





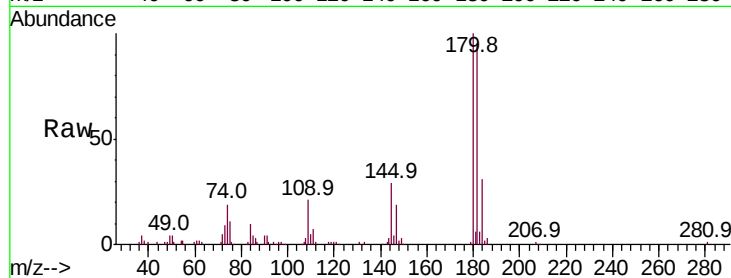
#96
 1,2,3-Trichlorobenzene
 Concen: 45.212 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056150.D
 Acq: 8 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MS

Tot Ion:	180	Resp:	142382
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.7
145	29.0	14.9	44.7

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 144.90 (144.60 to 145.60): V

