

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056723.D
 Acq On : 15 Jul 2019 19:32
 Operator : JC/SP
 Sample : K3817-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Quant Time: Jul 16 04:25:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	346347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	534283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	483322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	225376	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	188529	49.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.42%	
35) Dibromofluoromethane	7.59	113	167058	50.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.48%	
50) Toluene-d8	10.09	98	643311	50.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	224317	51.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	149664	46.020	ug/l	99
3) Chloromethane	2.06	50	193903	44.347	ug/l	100
4) Vinyl Chloride	2.19	62	197711	46.956	ug/l	100
5) Bromomethane	2.56	94	120261	48.570	ug/l	97
6) Chloroethane	2.70	64	112425	45.821	ug/l	97
7) Trichlorofluoromethane	3.01	101	248764	46.044	ug/l	99
8) Diethyl Ether	3.41	74	100136	47.539	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	150725	46.435	ug/l	99
10) Methyl Iodide	3.95	142	208551	48.035	ug/l	100
11) Tert butyl alcohol	4.79	59	141692	222.198	ug/l	100
12) 1,1-Dichloroethene	3.74	96	153690	47.204	ug/l	99
13) Acrolein	3.61	56	55333	253.880	ug/l	98
14) Allyl chloride	4.32	41	263196	46.744	ug/l	98
15) Acrylonitrile	4.99	53	443027	240.575	ug/l	99
16) Acetone	3.82	43	348869	197.609	ug/l	99
17) Carbon Disulfide	4.05	76	408461	47.474	ug/l	100
18) Methyl Acetate	4.33	43	171354	43.081	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	494952	47.711	ug/l	99
20) Methylene Chloride	4.55	84	178780	46.339	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	168280	48.896	ug/l	98
22) Diisopropyl ether	5.96	45	538546	48.457	ug/l	99
23) Vinyl Acetate	5.90	43	2120246	235.421	ug/l	100
24) 1,1-Dichloroethane	5.85	63	307097	47.659	ug/l	99
25) 2-Butanone	6.84	43	579440	224.493	ug/l	99
26) 2,2-Dichloropropane	6.83	77	207432	44.646	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	193308	48.813	ug/l	99
28) Bromochloromethane	7.19	49	152014	50.176	ug/l	100
29) Tetrahydrofuran	7.21	42	403164	239.484	ug/l	99
30) Chloroform	7.37	83	300930	46.670	ug/l	99
31) Cyclohexane	7.65	56	289968	47.346	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	250264	49.077	ug/l	99
36) 1,1-Dichloropropene	7.79	75	233052	47.138	ug/l	99
37) Ethyl Acetate	6.93	43	222133	45.586	ug/l	99
38) Carbon Tetrachloride	7.78	117	218964	47.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	288333	47.231	ug/l	99
40) Benzene	8.04	78	718793	47.449	ug/l	100
41) Methacrylonitrile	7.21	41	342506	160.017	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	225193	47.035	ug/l	100
43) Isopropyl Acetate	8.17	43	357042	46.608	ug/l	100
44) Trichloroethene	8.83	130	192026	46.679	ug/l	99
45) 1,2-Dichloropropane	9.12	63	191631	47.607	ug/l	98
46) Dibromomethane	9.21	93	121514	48.713	ug/l	99
47) Bromodichloromethane	9.40	83	230046	48.531	ug/l	97
48) Methyl methacrylate	9.20	41	179844	48.545	ug/l	99
49) 1,4-Dioxane	9.20	88	60307	793.336	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1193674	240.583	ug/l	100
52) Toluene	10.16	92	443183	49.261	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	247676	50.081	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	280461	48.870	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	176930	46.888	ug/l	100
56) Ethyl methacrylate	10.43	69	275649	50.769	ug/l	99
57) 1,3-Dichloropropane	10.71	76	298125	48.374	ug/l	99
59) 2-Hexanone	10.75	43	863096	242.435	ug/l	99
60) Dibromochloromethane	10.90	129	187409	50.500	ug/l	99
61) 1,2-Dibromoethane	11.00	107	185793	49.544	ug/l	100
64) Tetrachloroethene	10.63	164	185039	44.377	ug/l	98
65) Chlorobenzene	11.43	112	470677	47.627	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	171925	47.249	ug/l	97
67) Ethyl Benzene	11.51	91	837431	48.217	ug/l	100
68) m/p-Xylenes	11.62	106	626466	96.516	ug/l	100
69) o-Xylene	11.95	106	299165	46.882	ug/l	98
70) Styrene	11.96	104	516911	50.105	ug/l	99
71) Bromoform	12.13	173	138838	50.148	ug/l #	97
73) Isopropylbenzene	12.25	105	796796	43.847	ug/l	100
74) N-amyl acetate	12.07	43	284501	42.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	257522	48.895	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	313313	63.561	ug/l #	100
77) Bromobenzene	12.53	156	212179	44.640	ug/l	98
78) n-propylbenzene	12.59	91	906162	44.916	ug/l	100
79) 2-Chlorotoluene	12.67	91	535522	47.969	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	670340	43.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	74130	46.444	ug/l	98
82) 4-Chlorotoluene	12.77	91	535673	45.245	ug/l	100
83) tert-Butylbenzene	12.99	119	576438	47.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	677765	45.045	ug/l	100
85) sec-Butylbenzene	13.17	105	764467	44.669	ug/l	100
86) p-Isopropyltoluene	13.29	119	693427	44.727	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	353373	45.365	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	347220	45.825	ug/l	99
89) n-Butylbenzene	13.61	91	592067	47.410	ug/l	99
90) Hexachloroethane	13.87	117	112387	44.827	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	352649	44.265	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44910	46.088	ug/l	100
93) 1,2,4-Trichlorobenzene	14.91	180	198268	45.413	ug/l	99

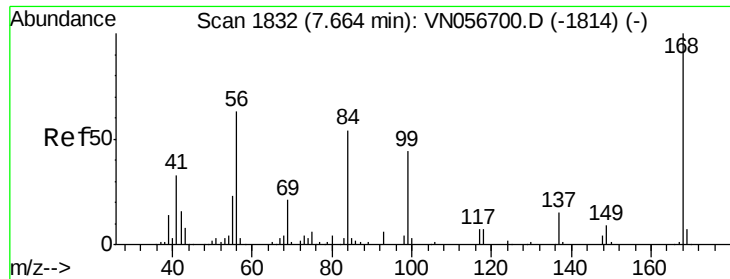
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	115628	46.095	ug/l	98
95) Naphthalene	15.13	128	541610	45.319	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	205321	47.186	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

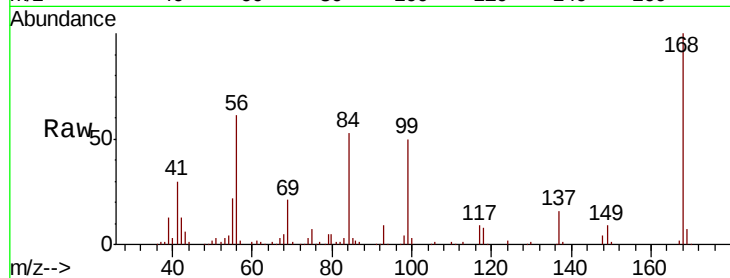
SA-TW532-2126MSD

Tot Ion:168 Resp: 346347

Ion Ratio Lower Upper

168 100

99 49.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

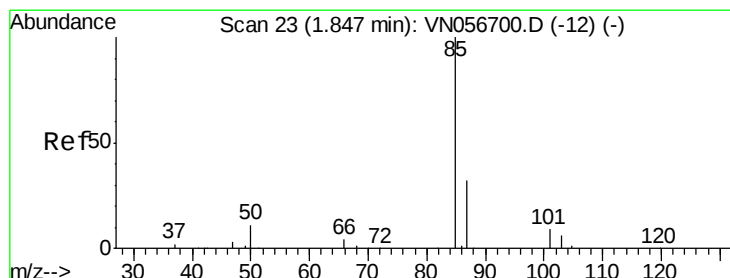
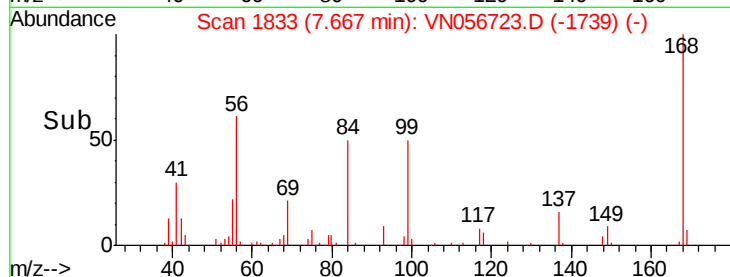
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.020 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056723.D

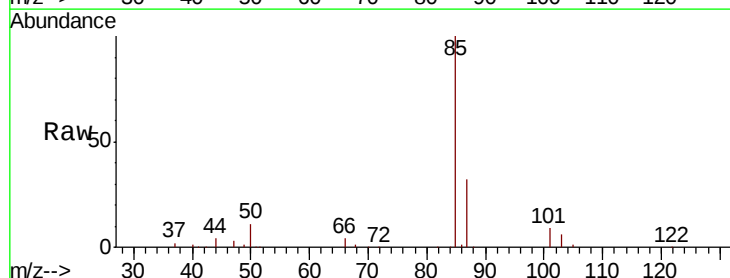
Acq: 15 Jul 2019 19:32

Tgt Ion: 85 Resp: 149664

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

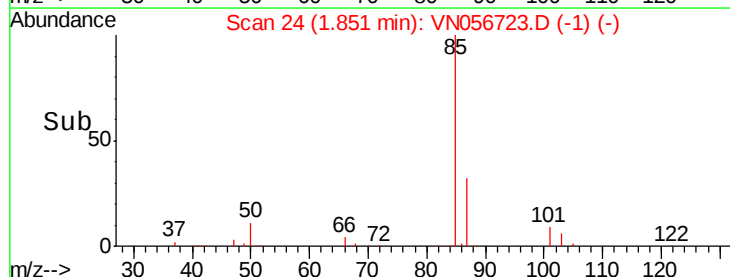
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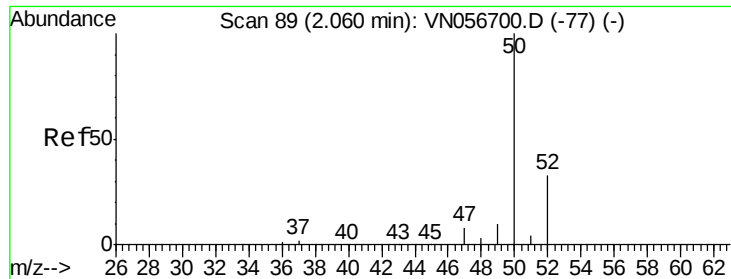
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.347 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

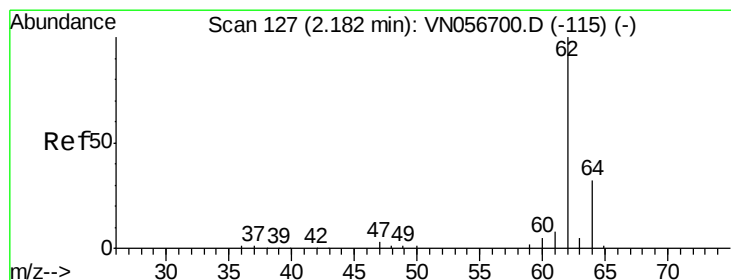
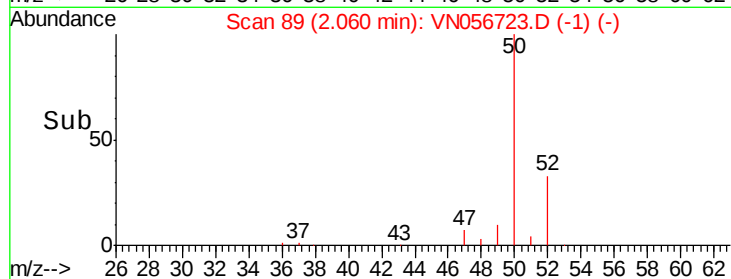
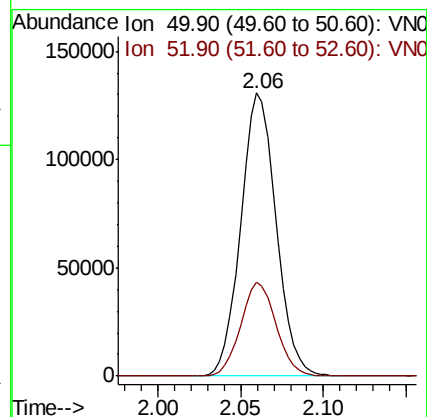
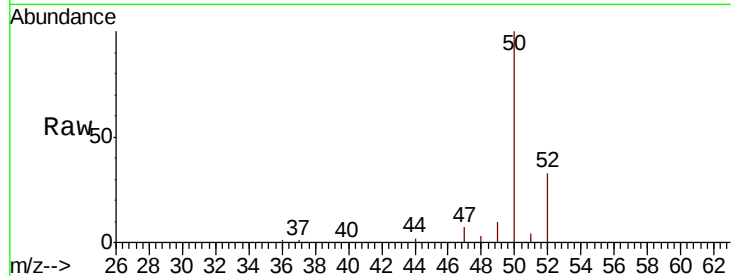
SA-TW532-2126MSD

Tot Ion: 50 Resp: 193903

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 46.956 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056723.D

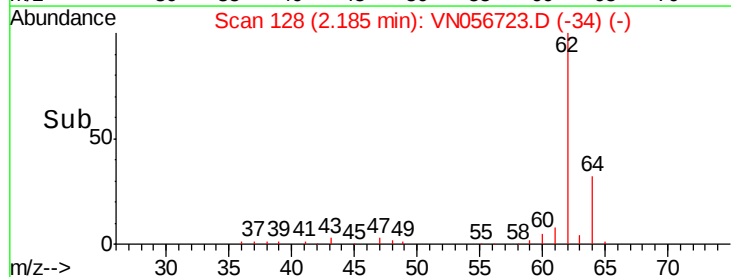
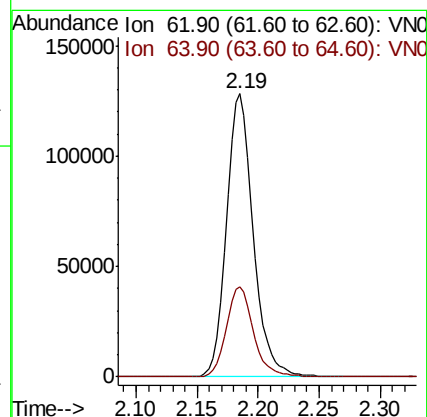
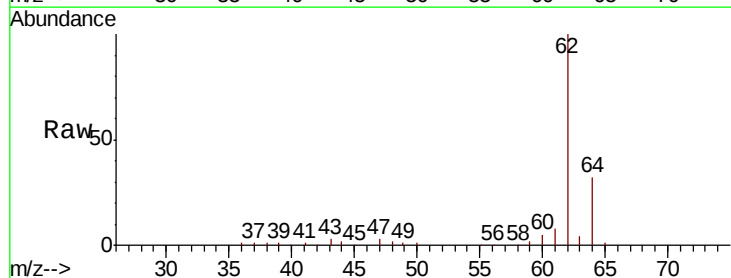
Acq: 15 Jul 2019 19:32

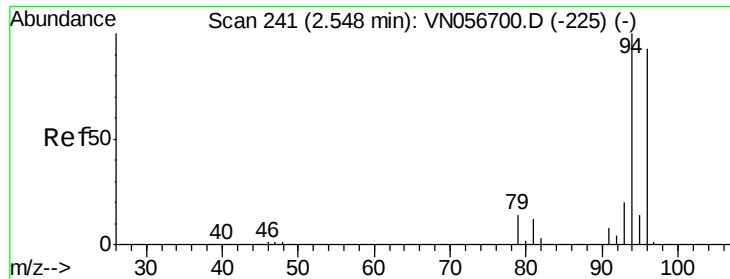
Tgt Ion: 62 Resp: 197711

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4

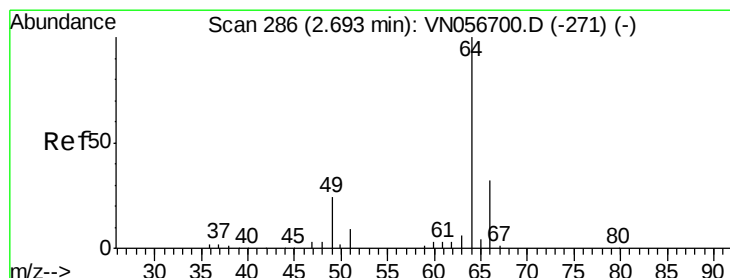
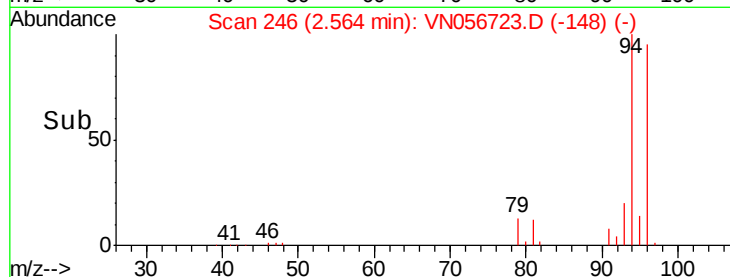
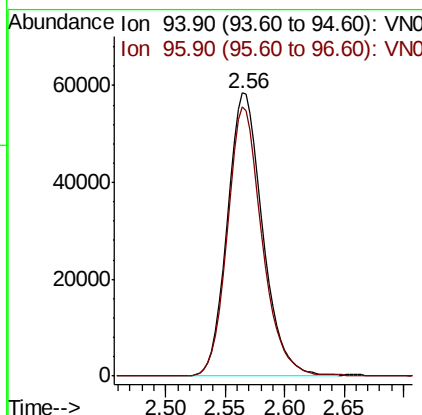
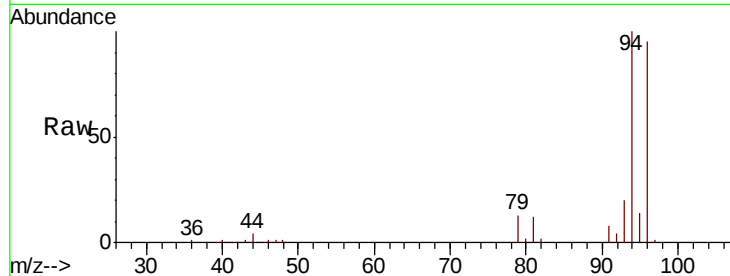




#5
Bromomethane
Concen: 48.570 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.02 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

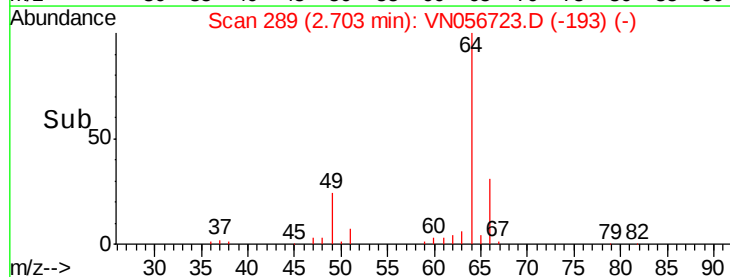
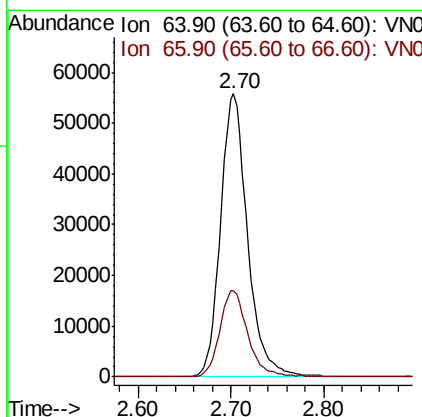
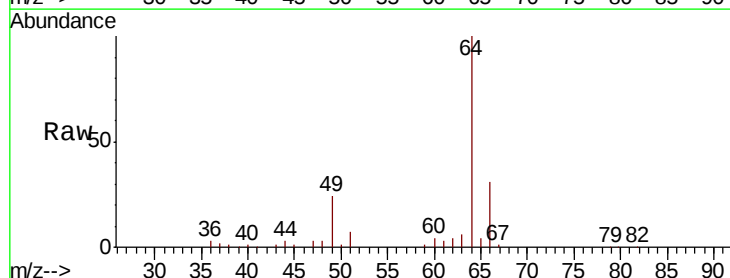
Instrument :
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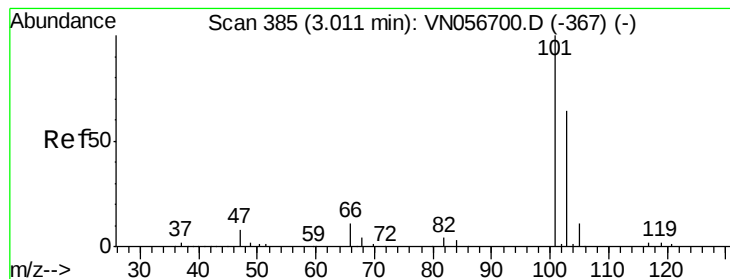
Tot Ion: 94 Resp: 120261
Ion Ratio Lower Upper
94 100
96 95.3 74.0 111.0



#6
Chloroethane
Concen: 45.821 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.01 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 64 Resp: 112425
Ion Ratio Lower Upper
64 100
66 30.5 25.8 38.8



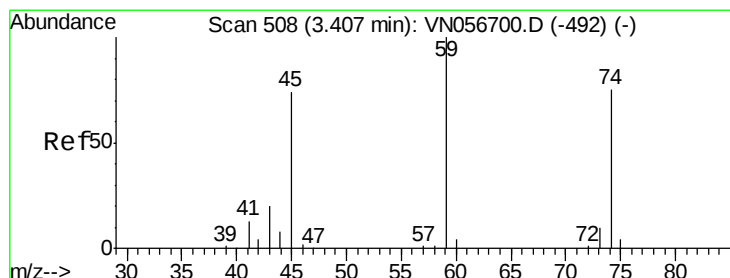
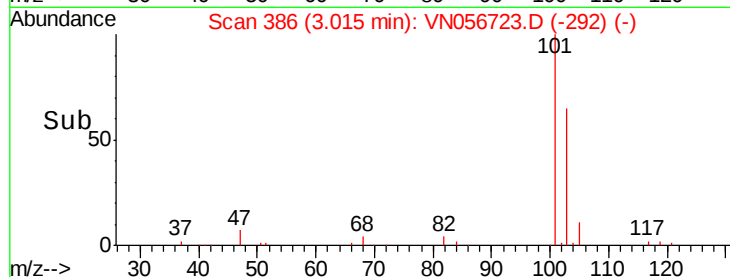
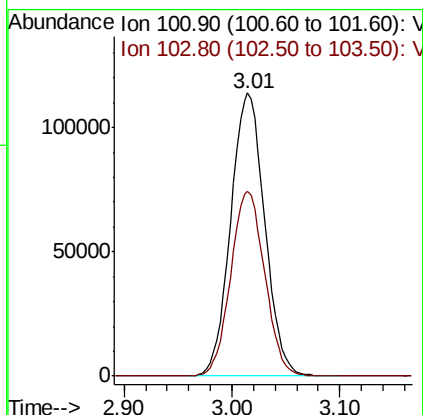
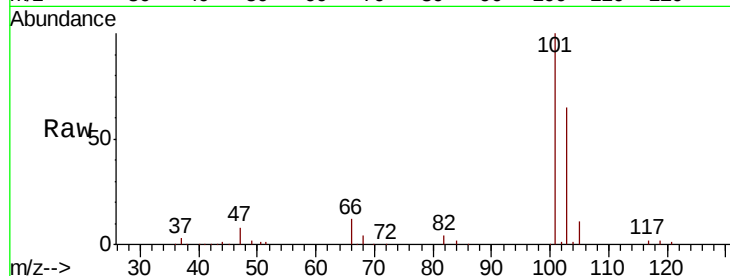


#7

Trichlorofluoromethane
Concen: 46.044 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
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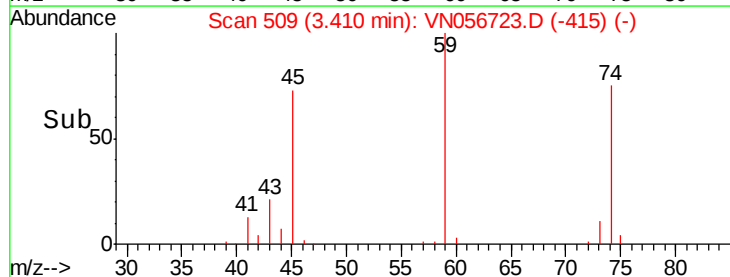
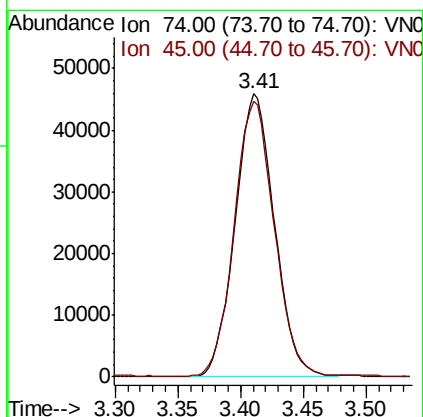
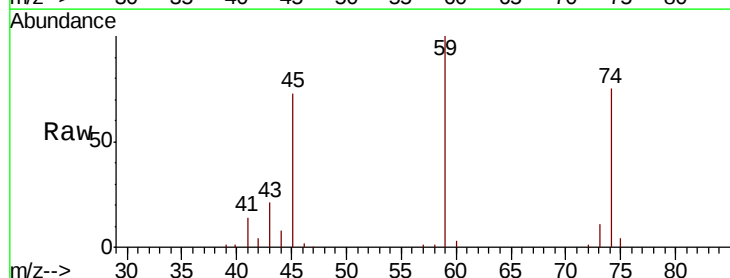
Tot Ion:101 Resp: 248764
Ion Ratio Lower Upper
101 100
103 65.5 51.5 77.3

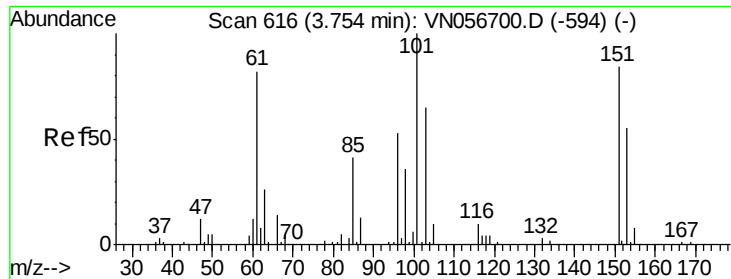


#8

Diethyl Ether
Concen: 47.539 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 74 Resp: 100136
Ion Ratio Lower Upper
74 100
45 99.5 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.435 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

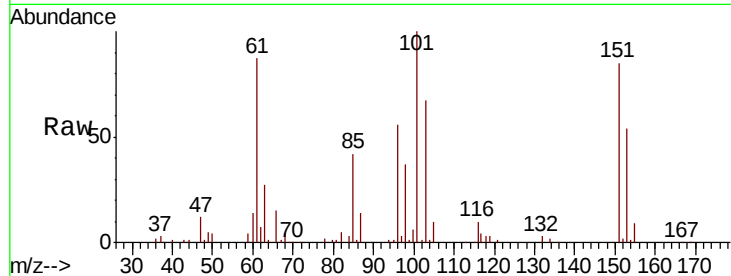
Tot Ion:101 Resp: 150725

Ion Ratio Lower Upper

101 100

85 42.2 33.3 49.9

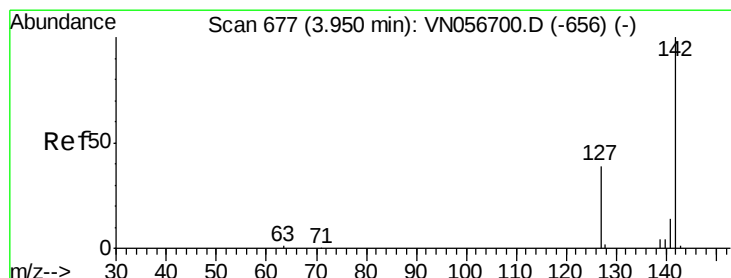
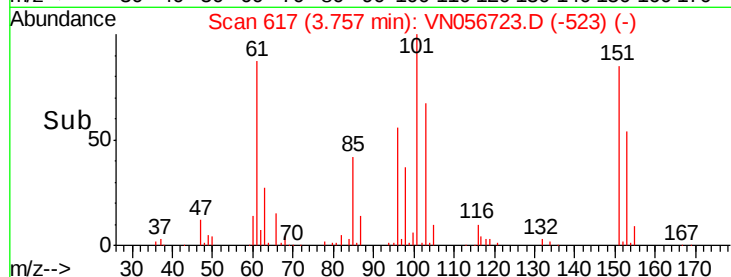
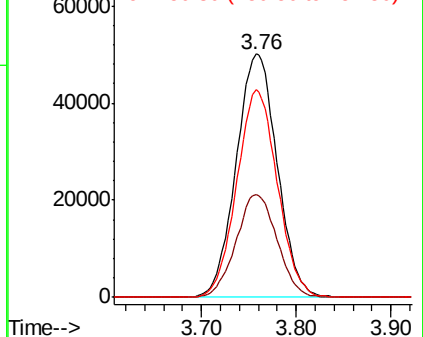
151 84.5 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.035 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

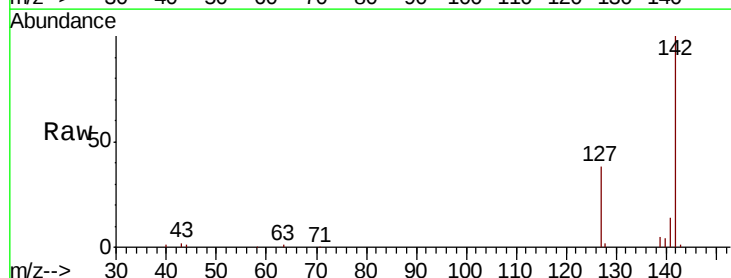
Tgt Ion:142 Resp: 208551

Ion Ratio Lower Upper

142 100

127 38.3 30.7 46.1

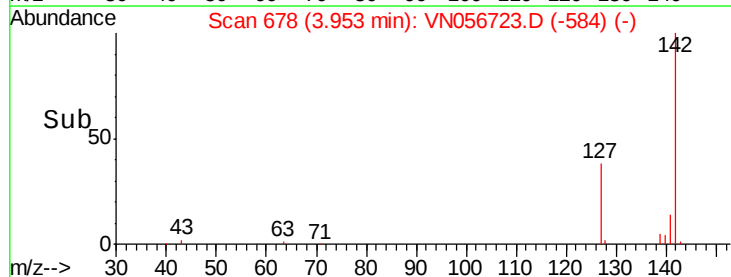
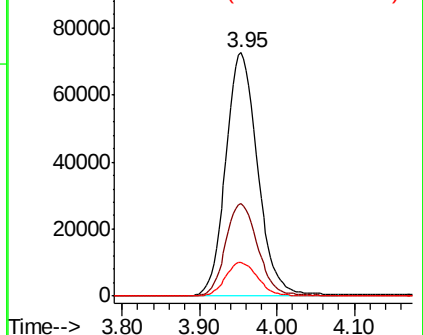
141 14.0 11.3 16.9

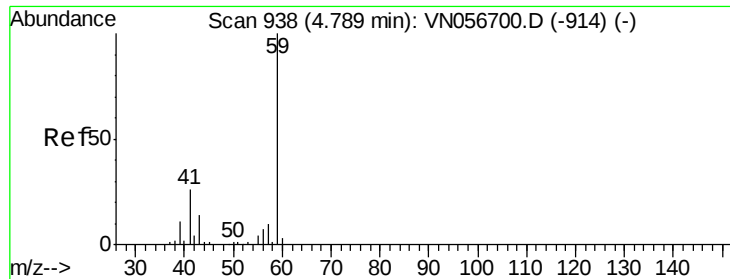


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

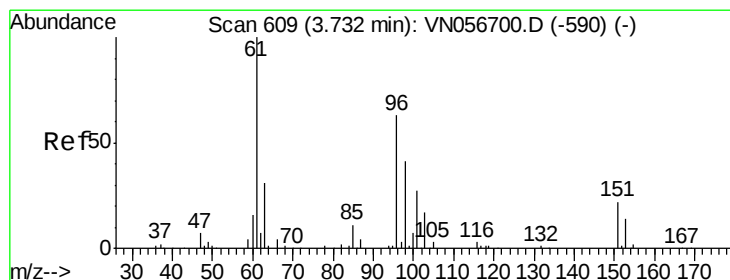
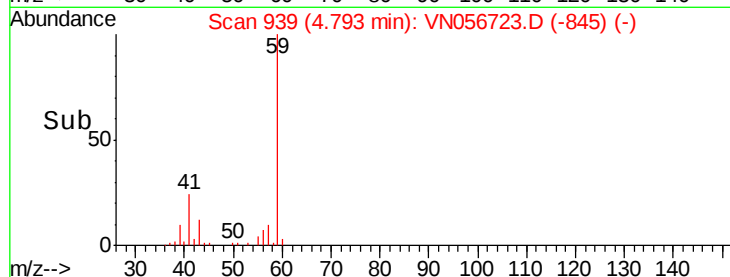
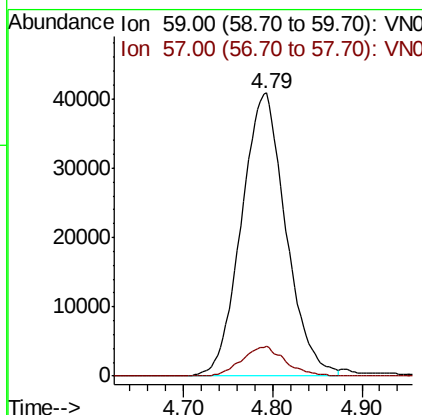
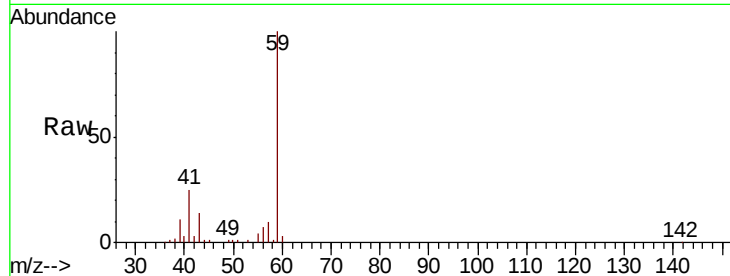




#11
Tert butyl alcohol
Concen: 222.198 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

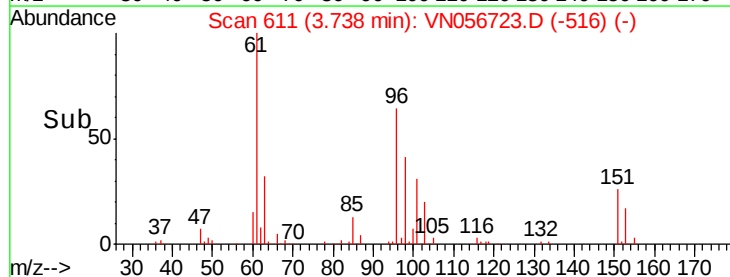
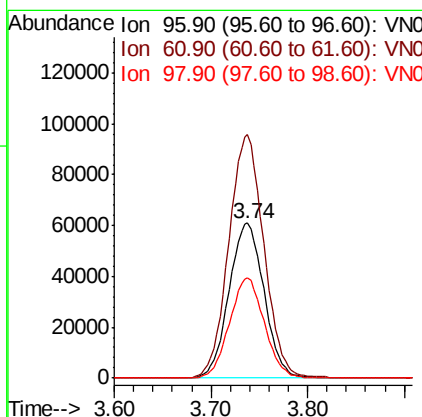
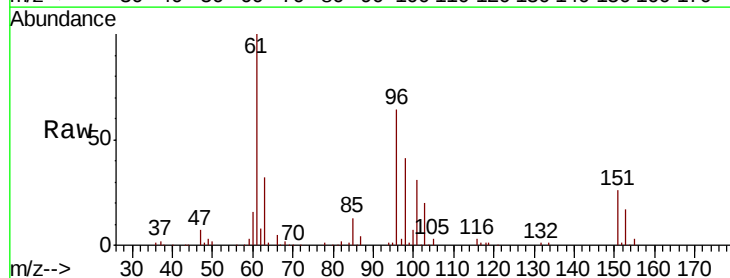
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

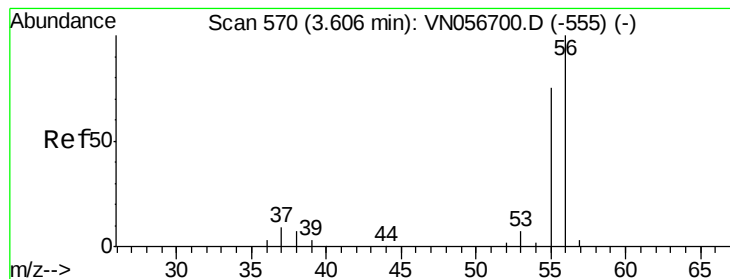
Tot Ion: 59 Resp: 141692
Ion Ratio Lower Upper
59 100
57 10.1 8.0 12.0



#12
1,1-Dichloroethene
Concen: 47.204 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 96 Resp: 153690
Ion Ratio Lower Upper
96 100
61 156.9 126.6 189.8
98 64.8 51.4 77.2





#13

Acrolein

Concen: 253.880 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

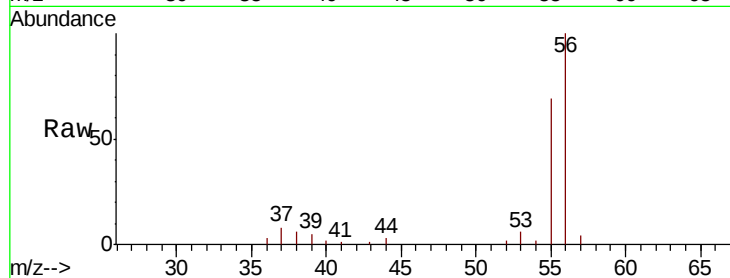
SA-TW532-2126MSD

Tot Ion: 56 Resp: 55333

Ion Ratio Lower Upper

56 100

55 70.5 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

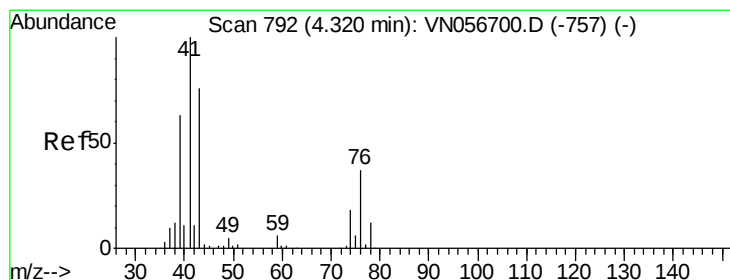
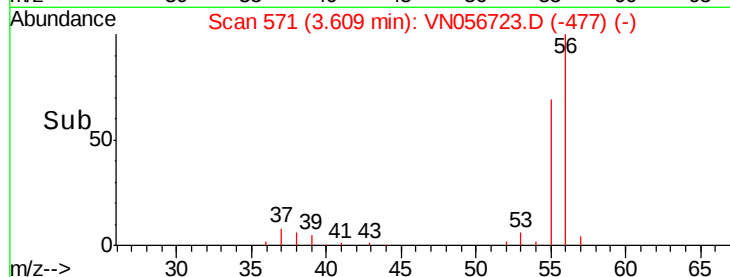
5000

0

3.61

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 46.744 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

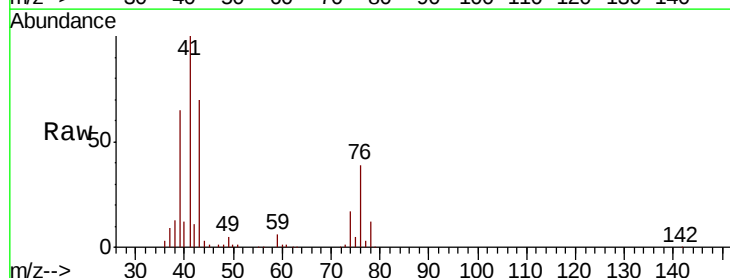
Tgt Ion: 41 Resp: 263196

Ion Ratio Lower Upper

41 100

39 60.1 46.9 70.3

76 34.9 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

100000

80000

60000

40000

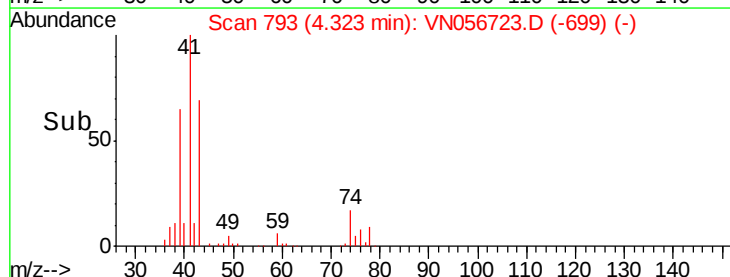
20000

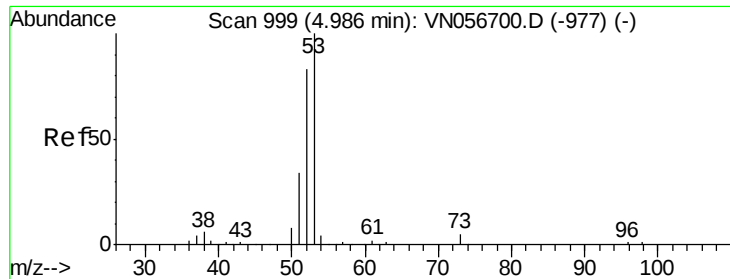
0

4.32

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 240.575 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

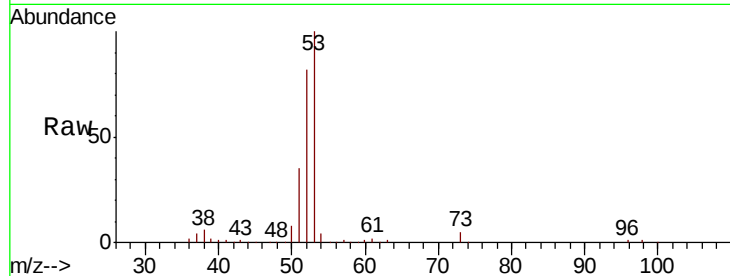
Tot Ion: 53 Resp: 443027

Ion Ratio Lower Upper

53 100

52 81.7 66.6 99.8

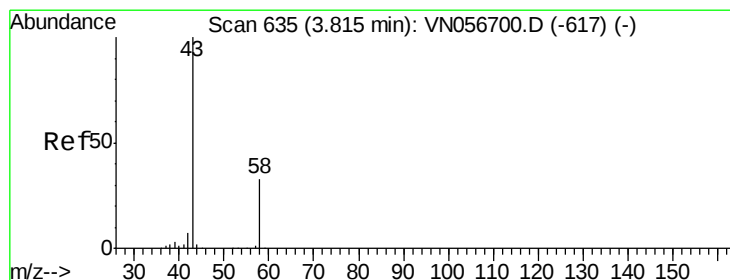
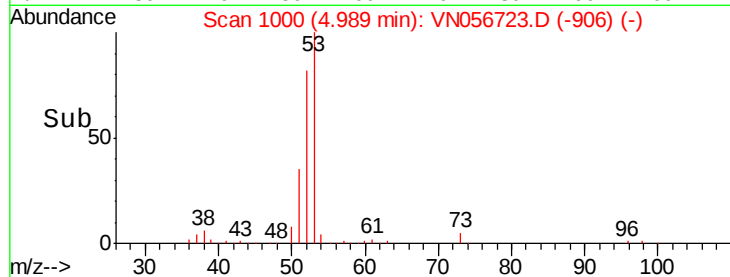
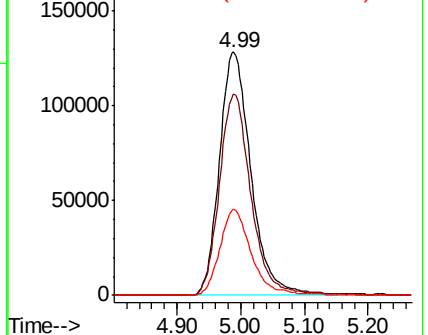
51 35.1 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 197.609 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN056723.D

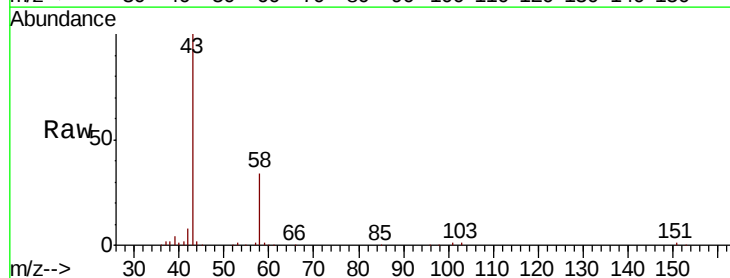
Acq: 15 Jul 2019 19:32

Tgt Ion: 43 Resp: 348869

Ion Ratio Lower Upper

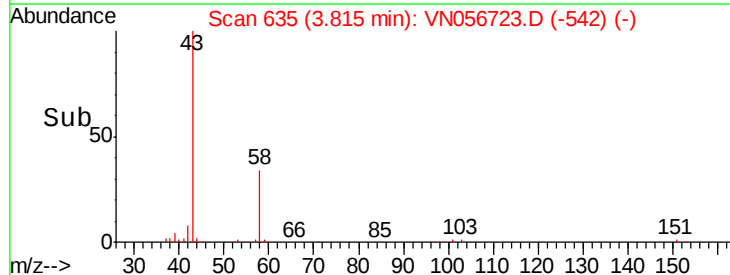
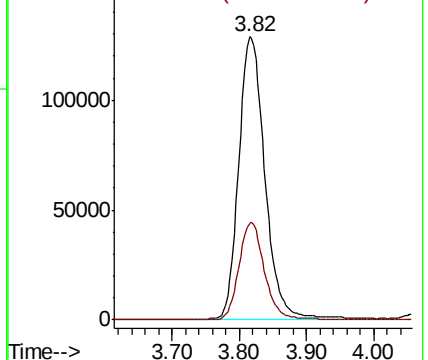
43 100

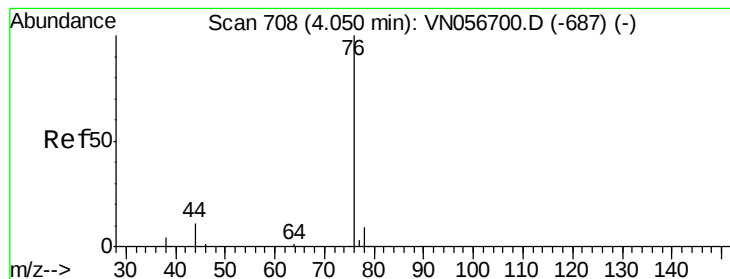
58 34.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 47.474 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

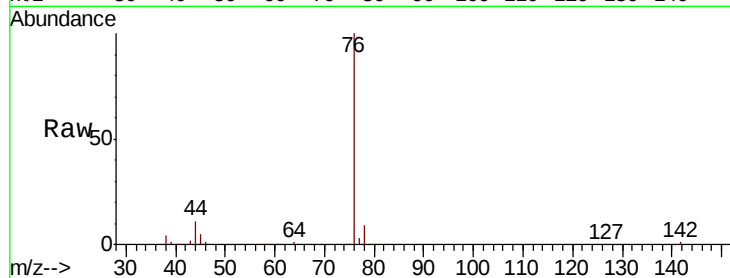
SA-TW532-2126MSD

Tot Ion: 76 Resp: 408461

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

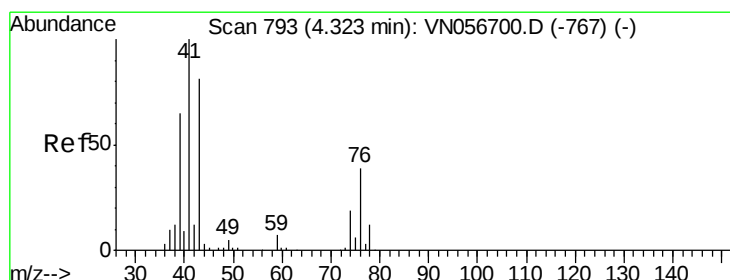
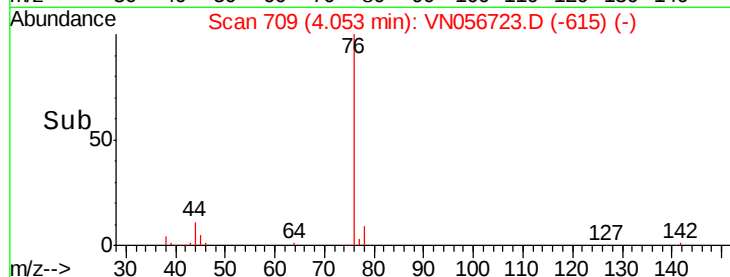
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.081 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056723.D

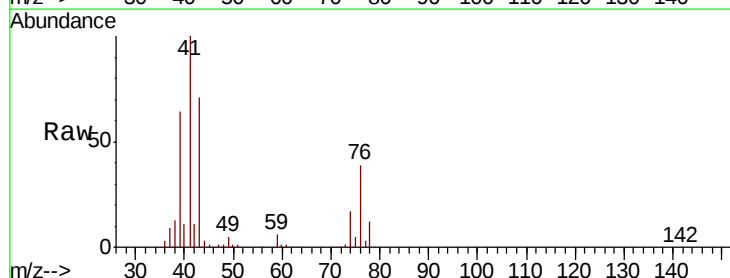
Acq: 15 Jul 2019 19:32

Tgt Ion: 43 Resp: 171354

Ion Ratio Lower Upper

43 100

74 24.2 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

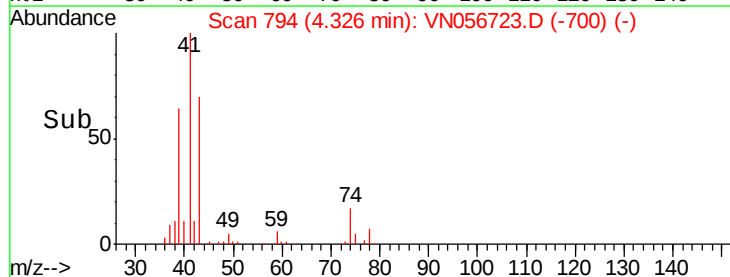
60000

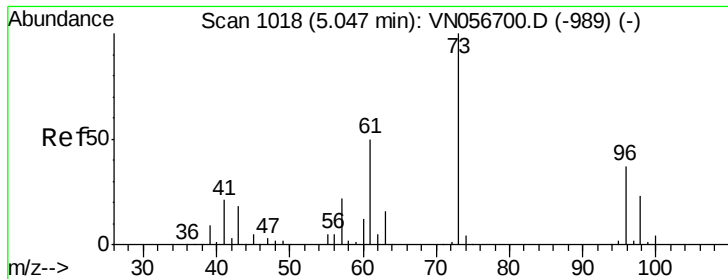
40000

20000

0

Time-->



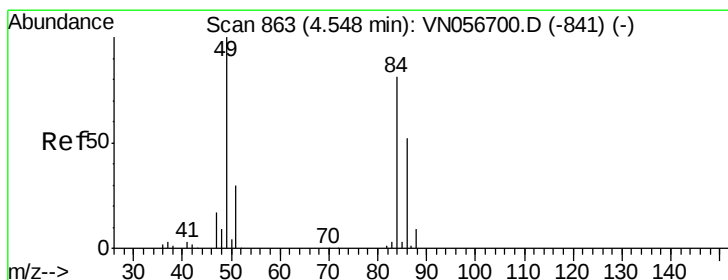
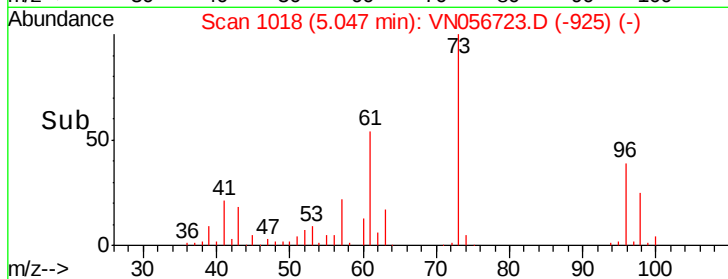
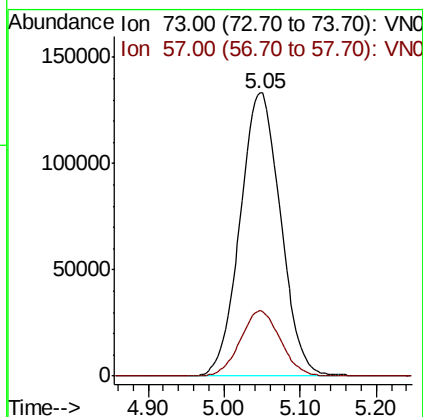
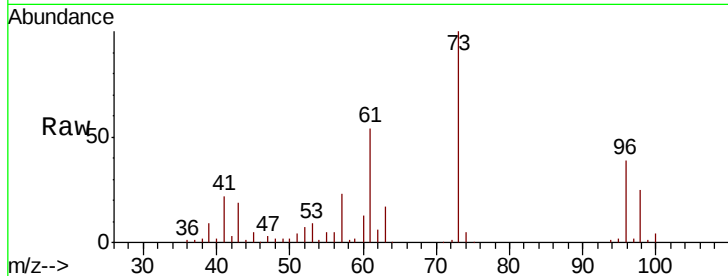


#19

Methyl tert-butyl Ether
 Concen: 47.711 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

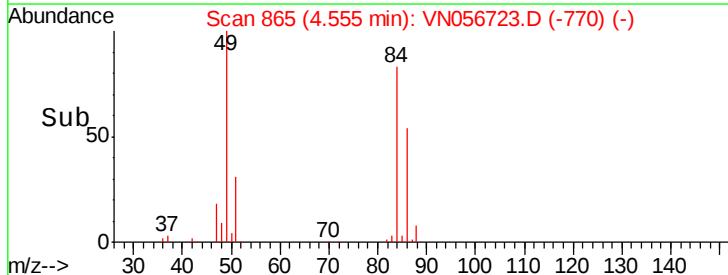
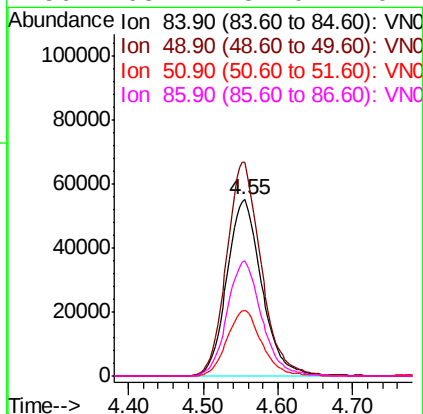
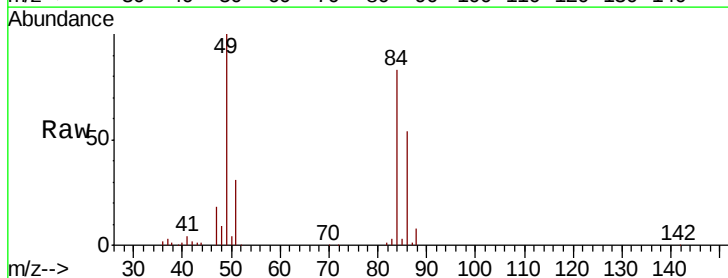
Tot Ion: 73 Resp: 494952
 Ion Ratio Lower Upper
 73 100
 57 23.1 17.9 26.9

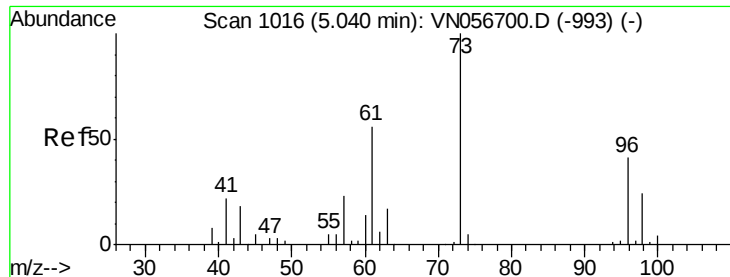


#20

Methylene Chloride
 Concen: 46.339 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion: 84 Resp: 178780
 Ion Ratio Lower Upper
 84 100
 49 121.1 98.2 147.4
 51 37.1 29.6 44.4
 86 65.4 51.0 76.4

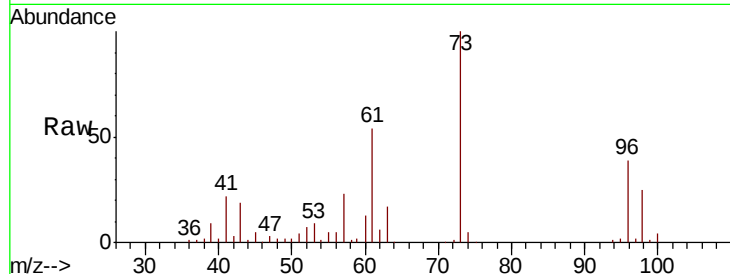




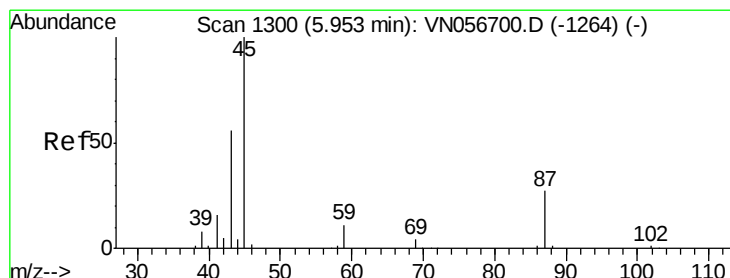
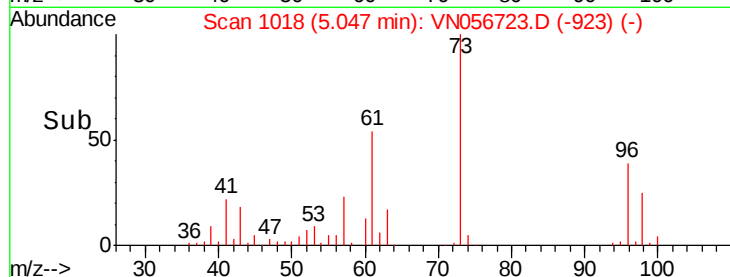
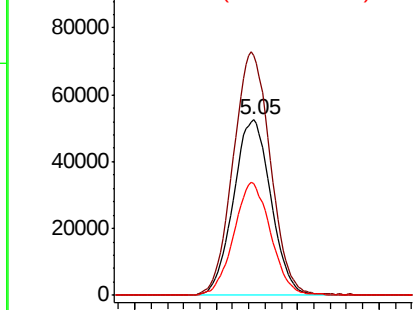
#21
trans-1,2-Dichloroethene
Concen: 48.896 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion: 96 Resp: 168280
Ion Ratio Lower Upper
96 100
61 137.2 109.4 164.2
98 63.5 48.0 72.0

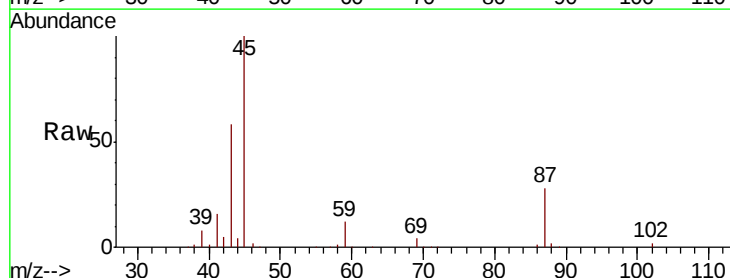


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

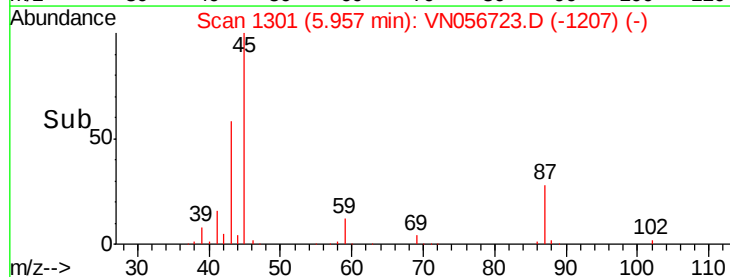
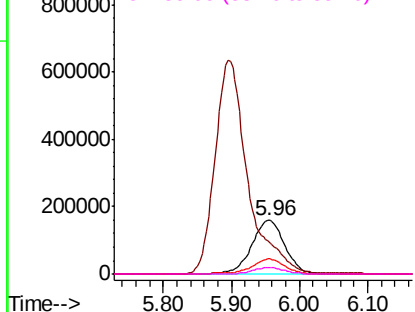


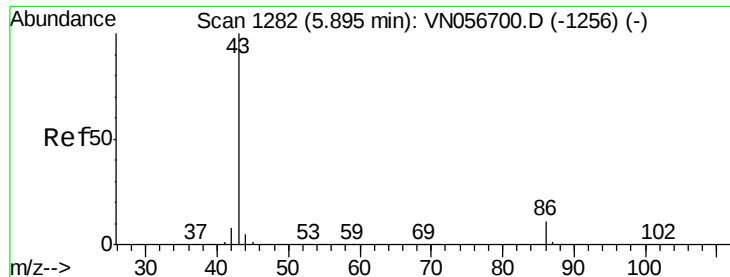
#22
Diisopropyl ether
Concen: 48.457 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 45 Resp: 538546
Ion Ratio Lower Upper
45 100
43 56.1 45.6 68.4
87 27.4 22.0 33.0
59 11.9 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 235.421 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

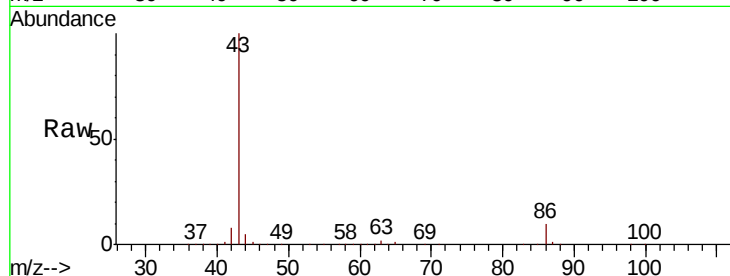
SA-TW532-2126MSD

Tot Ion: 43 Resp: 2120246

Ion Ratio Lower Upper

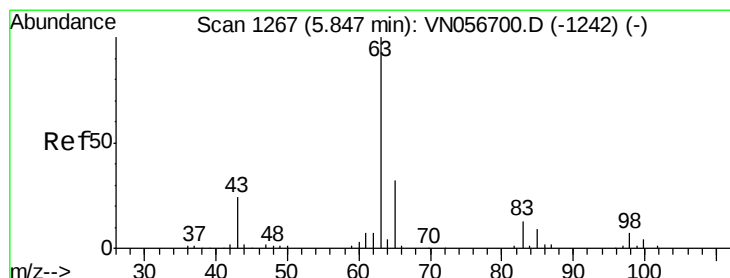
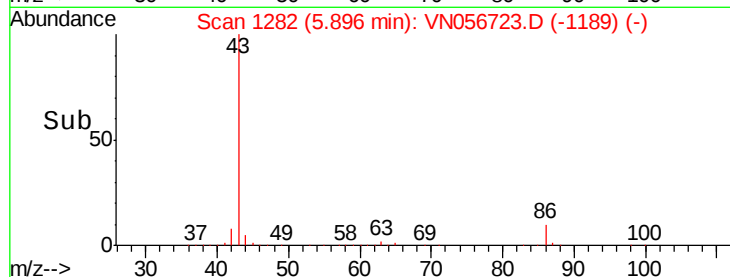
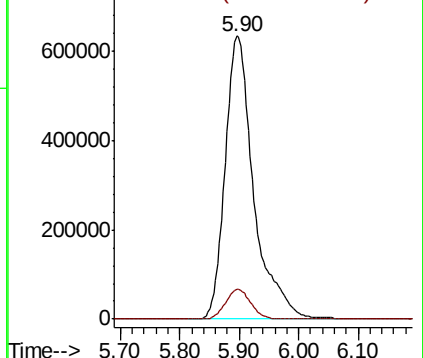
43 100

86 10.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.659 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

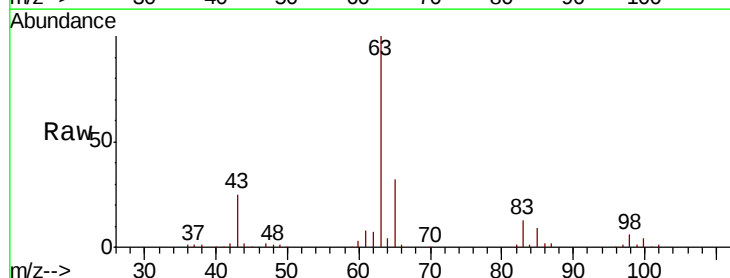
Tgt Ion: 63 Resp: 307097

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

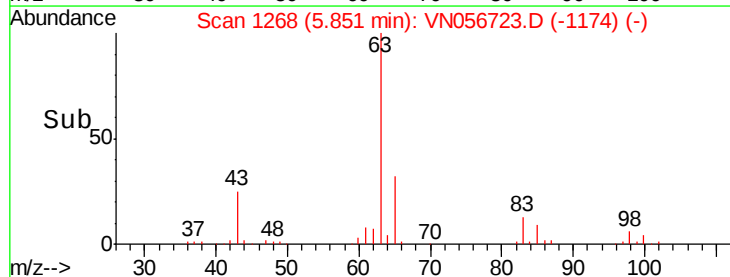
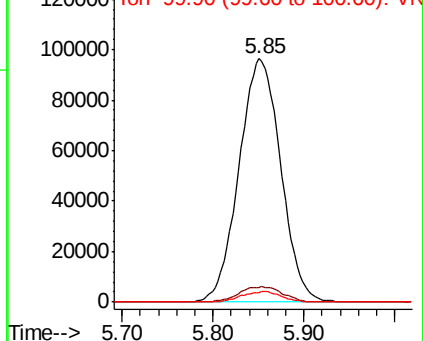
100 4.1 2.0 5.8

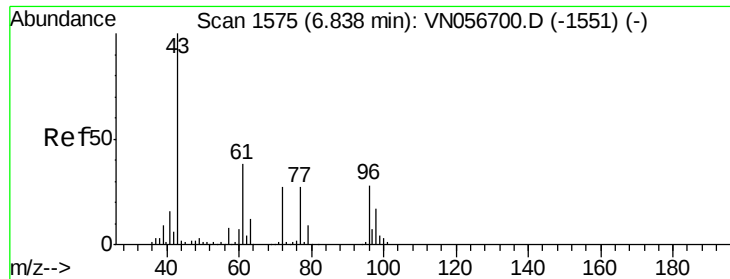


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

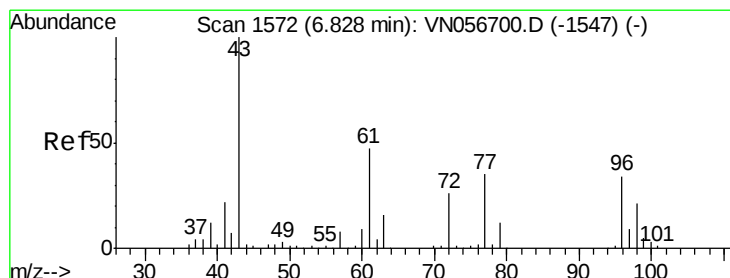
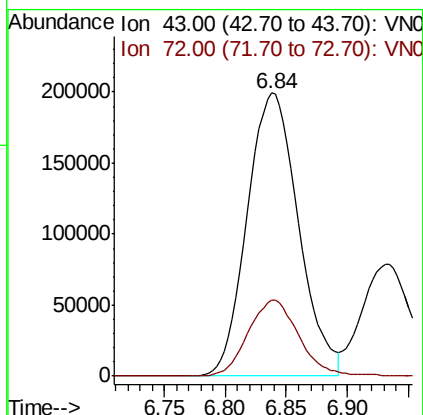
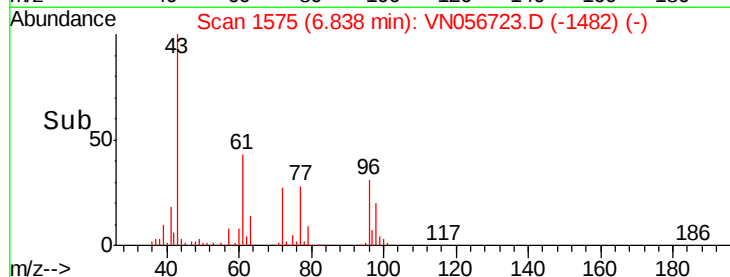
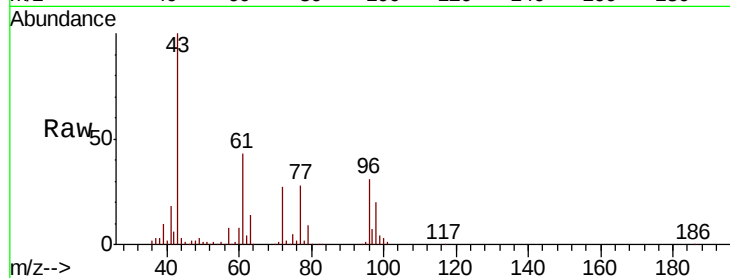




#25
2-Butanone
Concen: 224.493 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

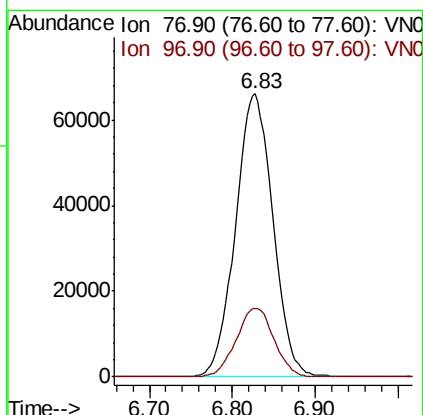
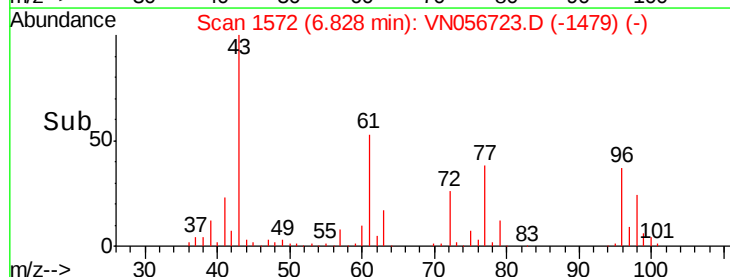
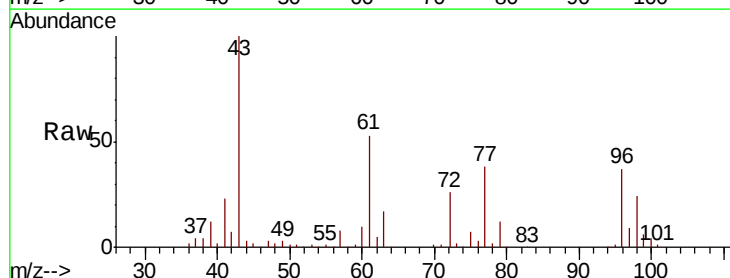
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

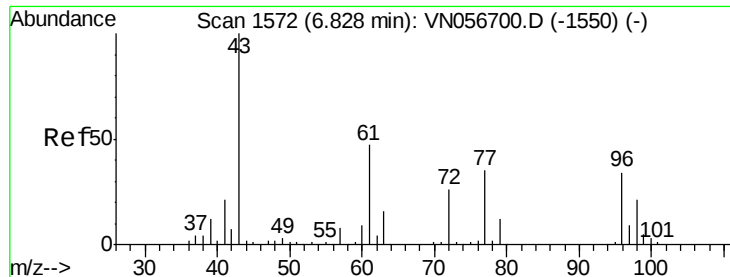
Tot Ion: 43 Resp: 579440
Ion Ratio Lower Upper
43 100
72 26.8 21.2 31.8



#26
2,2-Dichloropropane
Concen: 44.646 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 77 Resp: 207432
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6



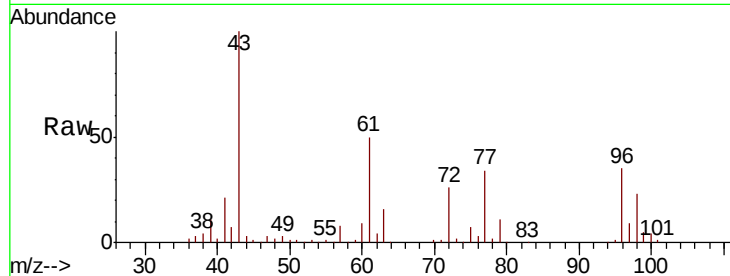


#27

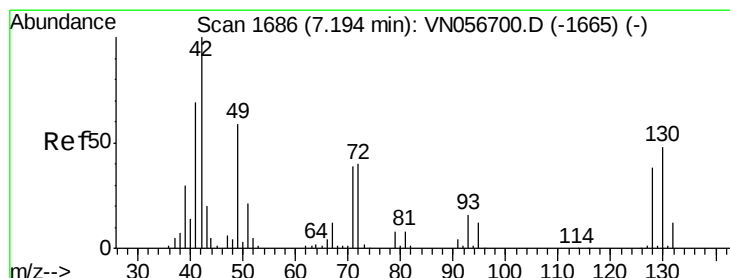
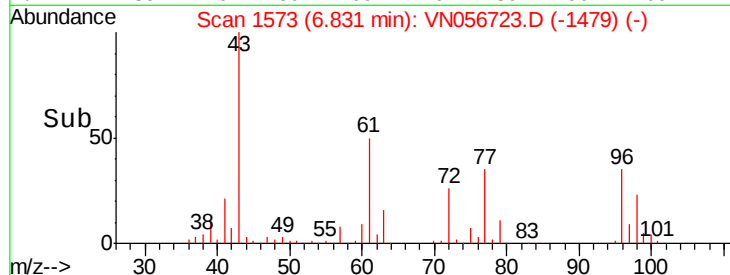
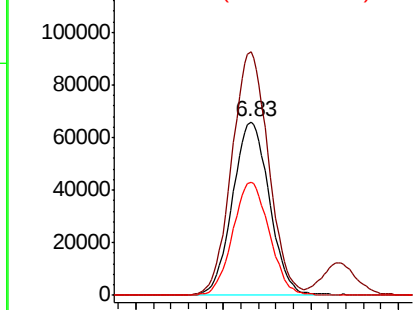
cis-1,2-Dichloroethene
Concen: 48.813 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion: 96 Resp: 193308
Ion Ratio Lower Upper
96 100
61 139.4 0.0 281.4
98 64.6 0.0 127.8



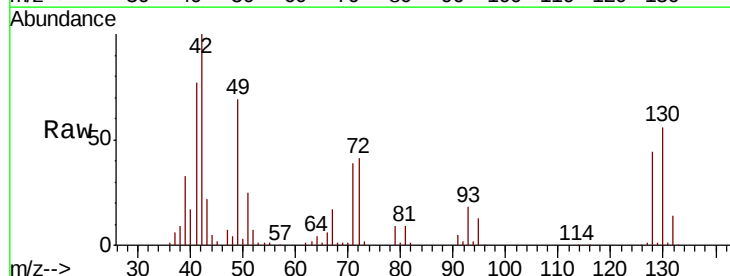
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



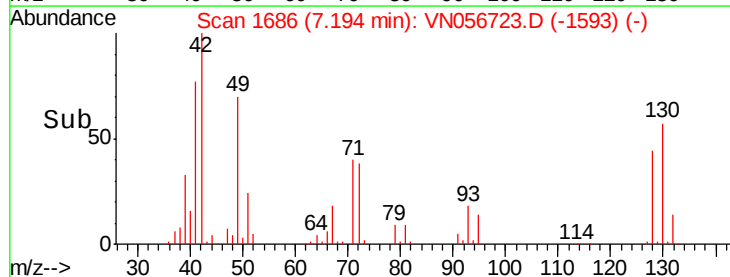
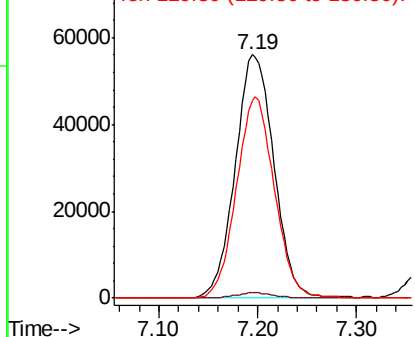
#28

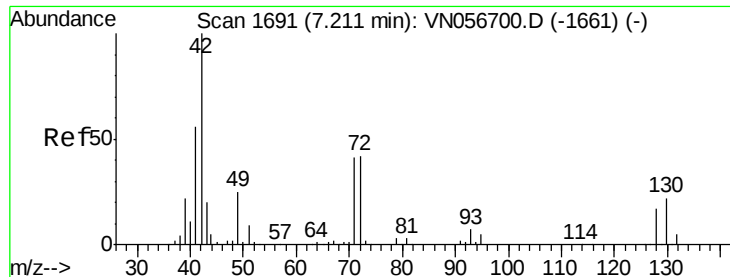
Bromochloromethane
Concen: 50.176 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 49 Resp: 152014
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.0
130 81.0 64.7 97.1



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





#29

Tetrahydrofuran

Concen: 239.484 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

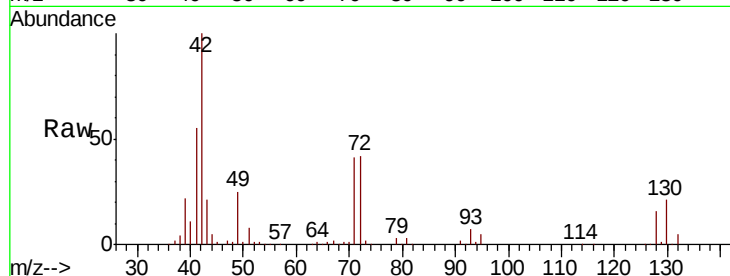
Tot Ion: 42 Resp: 403164

Ion Ratio Lower Upper

42 100

72 42.7 33.5 50.3

71 40.7 31.8 47.8



Abundance Ion 42.00 (41.70 to 42.70): VN056700.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN056700.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN056700.D (-1661) (-)

7.21

150000

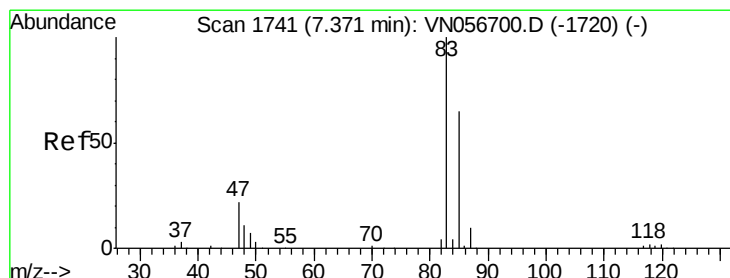
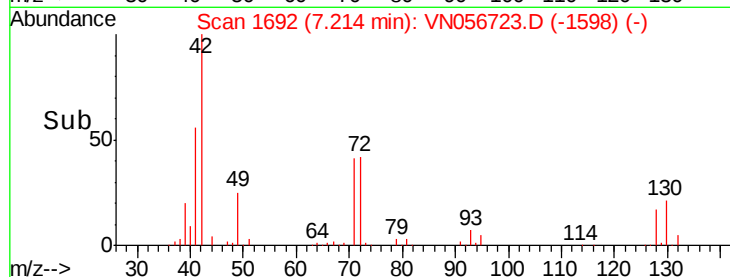
100000

50000

0

7.10 7.20 7.30

Time-->



#30

Chloroform

Concen: 46.670 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN056723.D

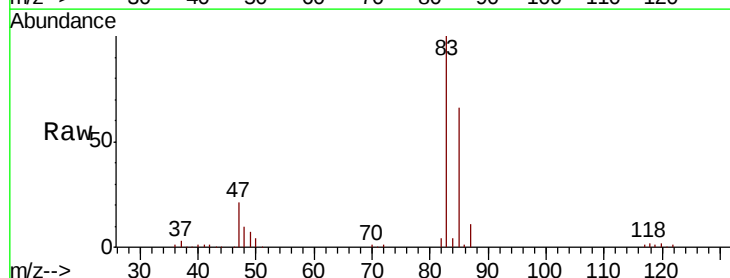
Acq: 15 Jul 2019 19:32

Tgt Ion: 83 Resp: 300930

Ion Ratio Lower Upper

83 100

85 65.9 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN056700.D (-1720) (-)

Ion 84.90 (84.60 to 85.60): VN056700.D (-1720) (-)

7.37

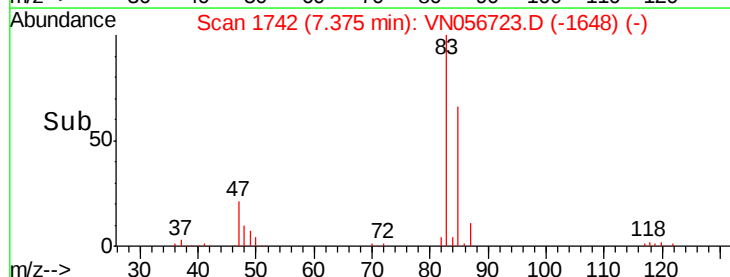
100000

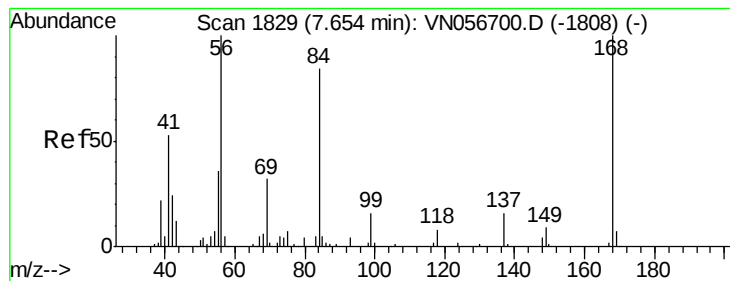
50000

0

7.30 7.40 7.50

Time-->





#31

Cyclohexane

Concen: 47.346 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

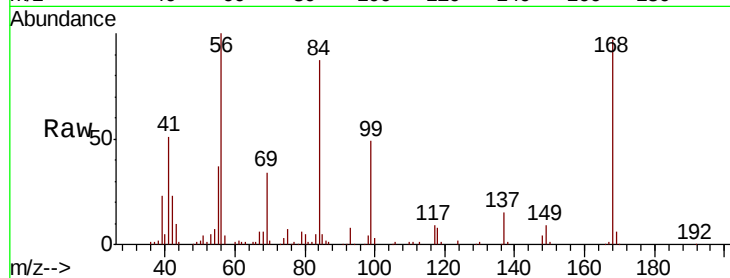
Tot Ion: 56 Resp: 289968

Ion Ratio Lower Upper

56 100

69 33.7 25.8 38.8

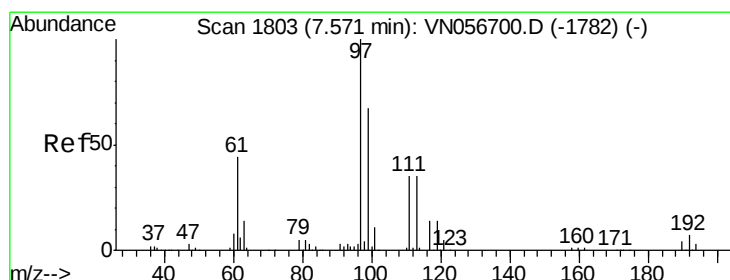
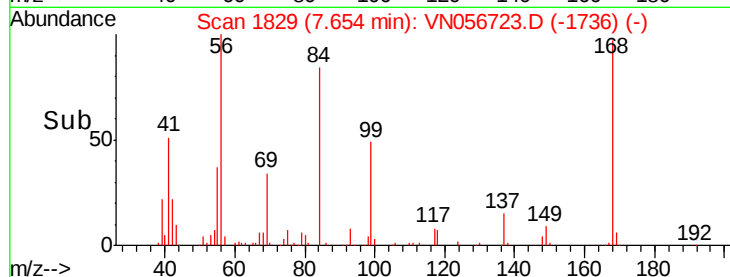
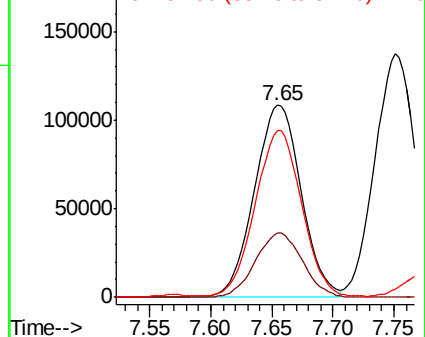
84 85.5 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN056723.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN056723.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN056723.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 49.077 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

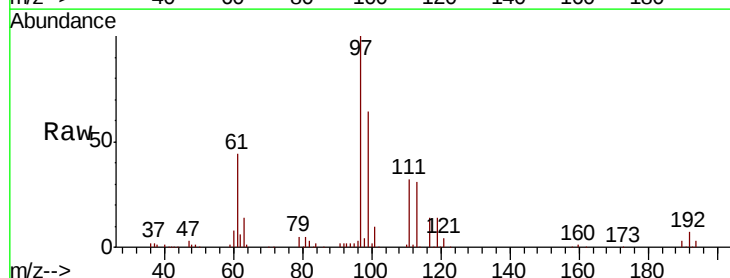
Tgt Ion: 97 Resp: 250264

Ion Ratio Lower Upper

97 100

99 63.9 52.0 78.0

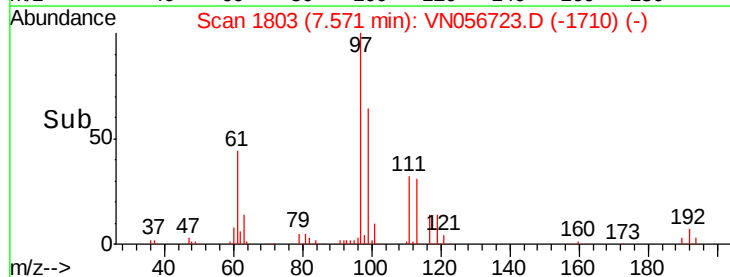
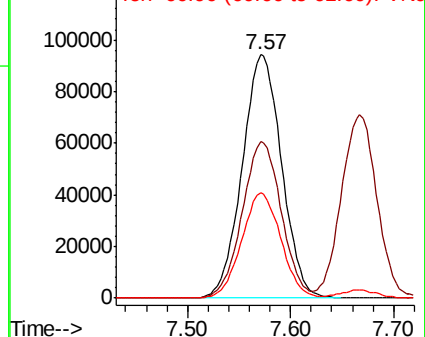
61 43.0 34.3 51.5

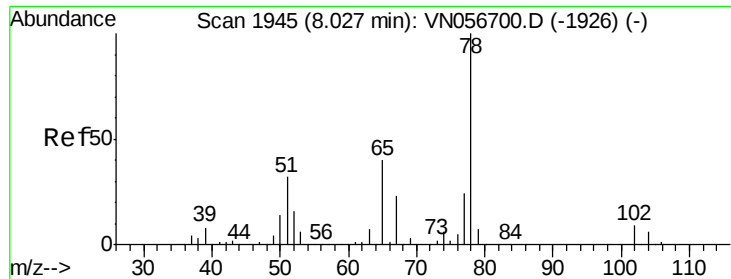


Abundance Ion 96.90 (96.60 to 97.60): VN056723.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN056723.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN056723.D (-1710) (-)

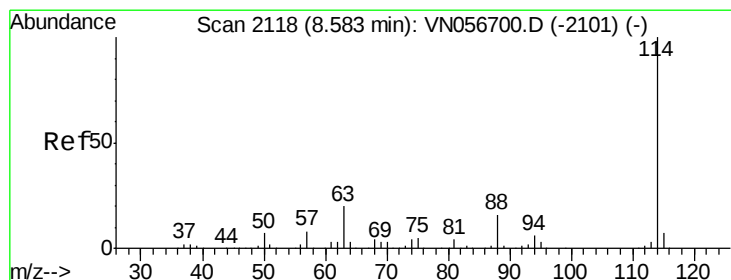
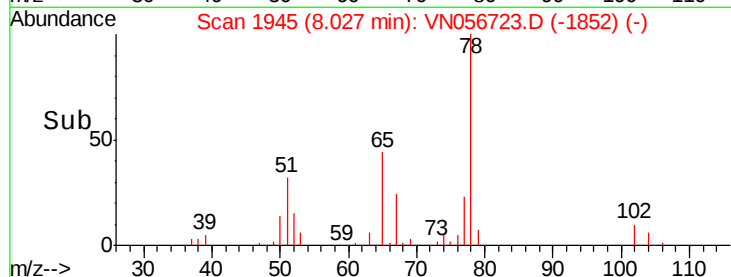
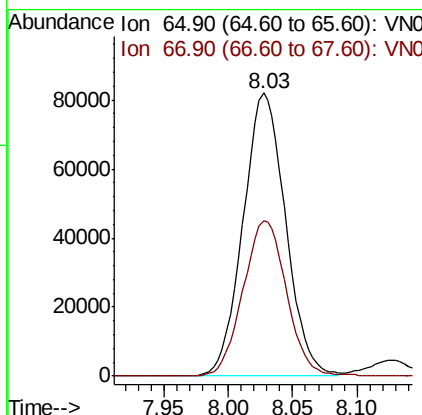
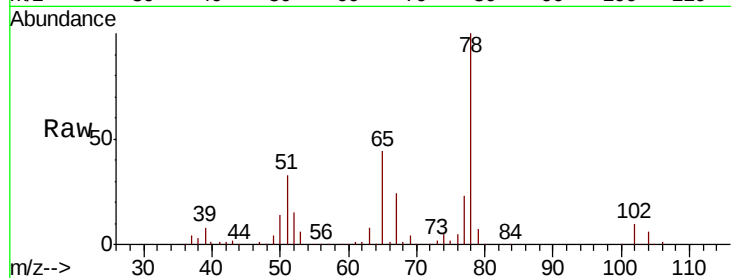




#33
 1,2-Dichloroethane-d4
 Concen: 49.210 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

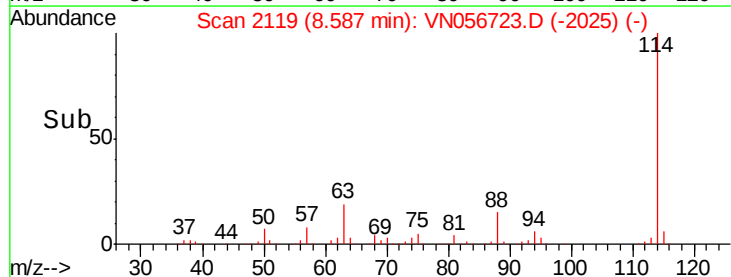
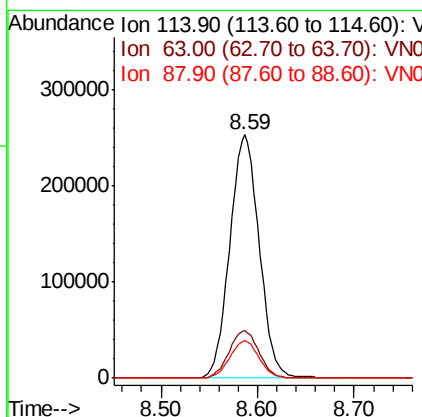
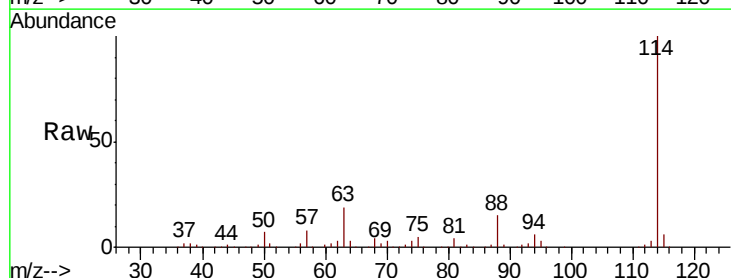
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

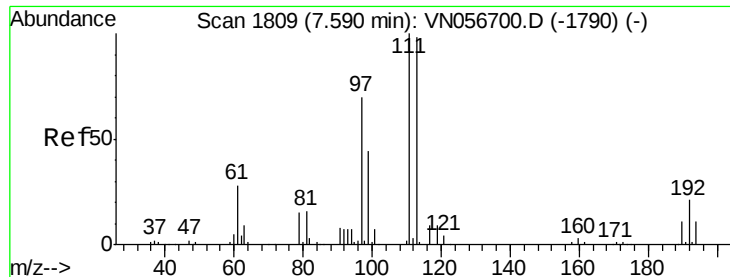
Tot Ion: 65 Resp: 188529
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion: 114 Resp: 534283
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 15.5 0.0 31.2

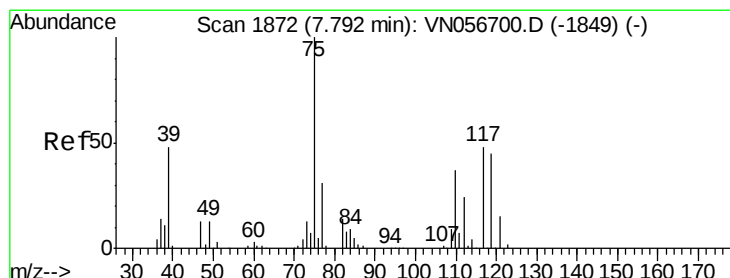
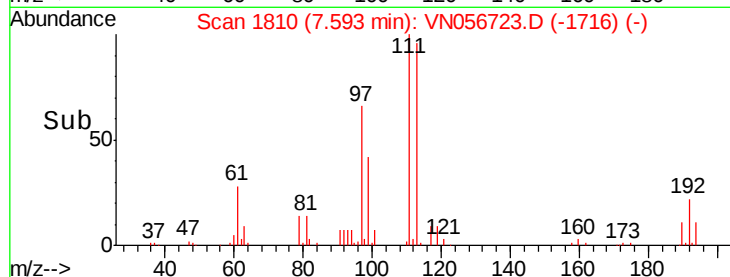
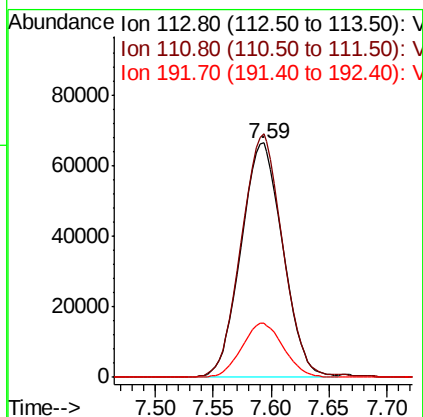
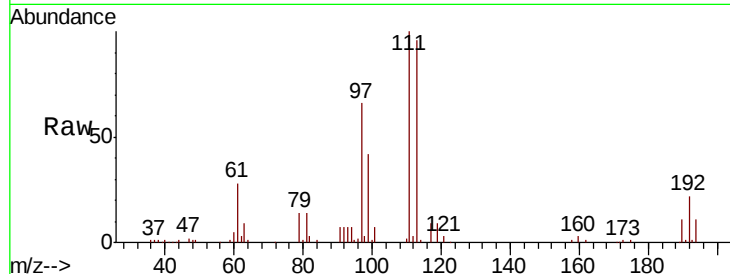




#35
 Dibromofluoromethane
 Concen: 50.244 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

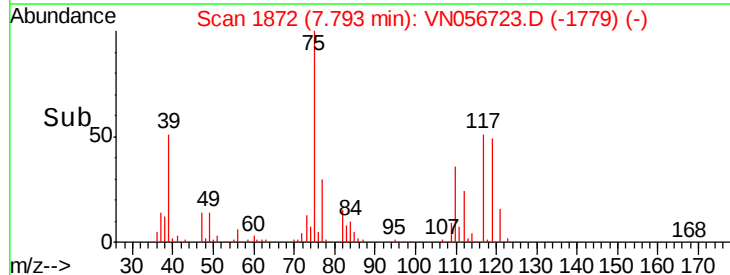
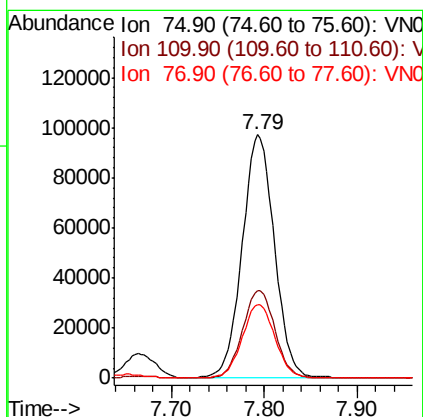
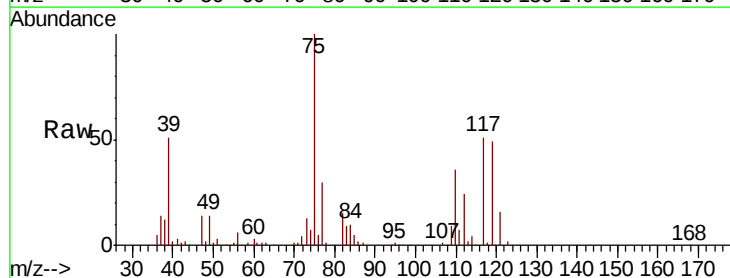
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

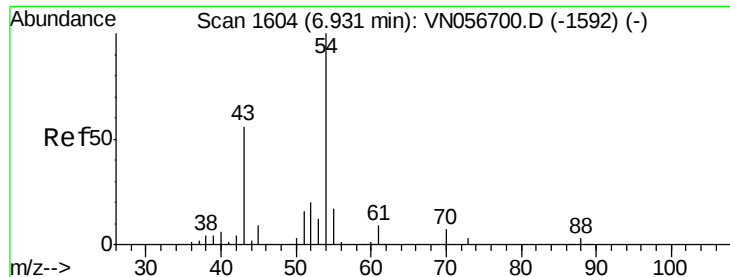
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	22.9	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 47.138 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.4	55.4
77	31.1	24.6	36.8

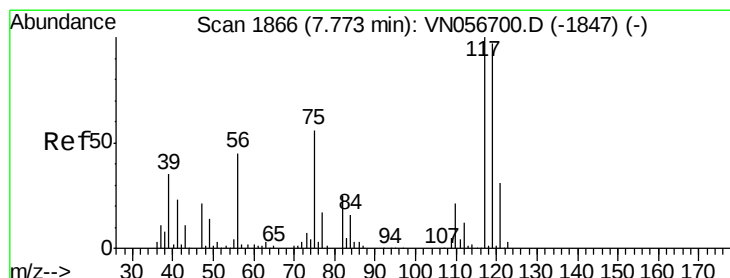
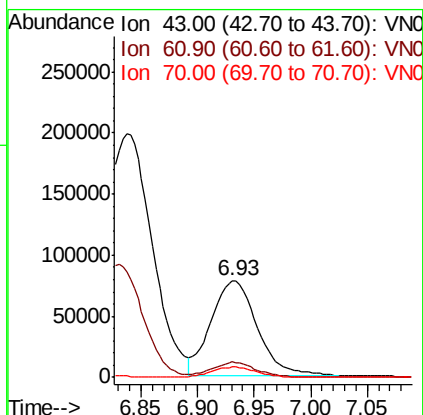
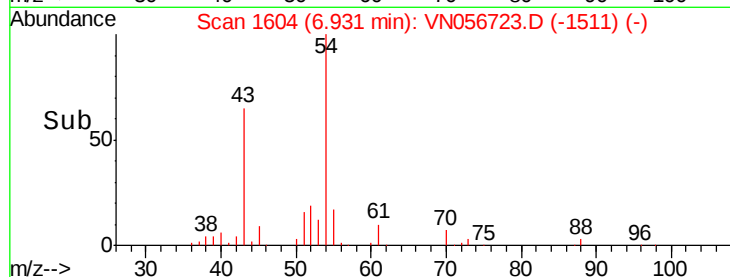
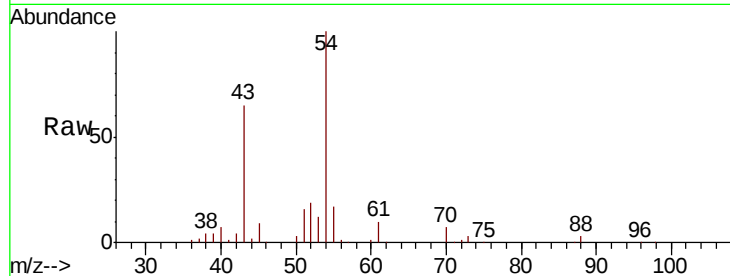




#37
Ethyl Acetate
Concen: 45.586 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

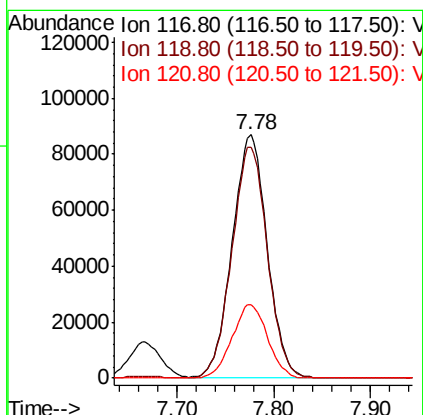
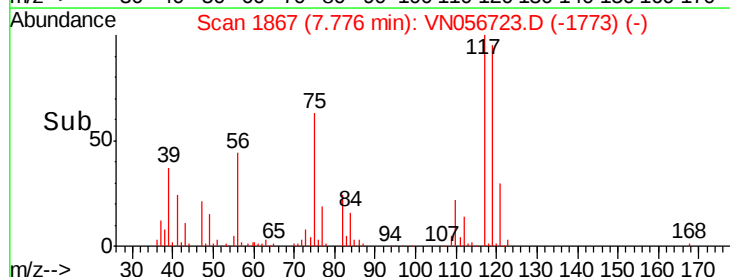
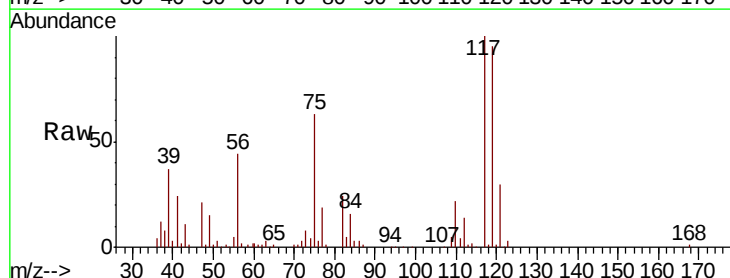
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

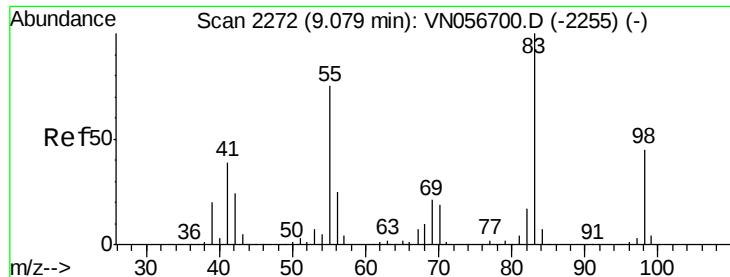
Tot Ion: 43 Resp: 222133
Ion Ratio Lower Upper
43 100
61 14.9 11.3 16.9
70 10.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 47.226 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 117 Resp: 218964
Ion Ratio Lower Upper
117 100
119 95.1 77.5 116.3
121 30.1 24.7 37.1

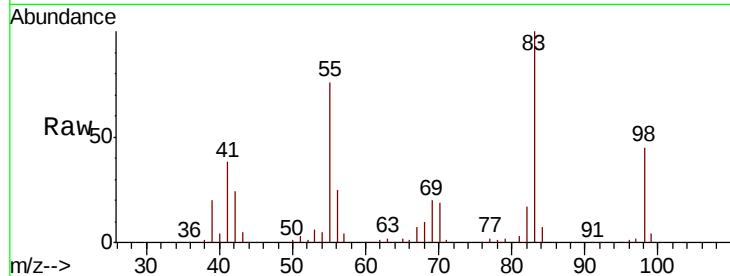




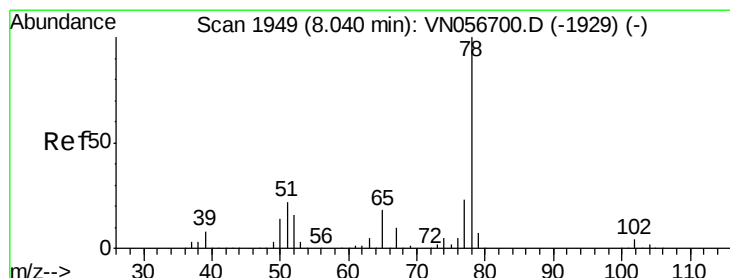
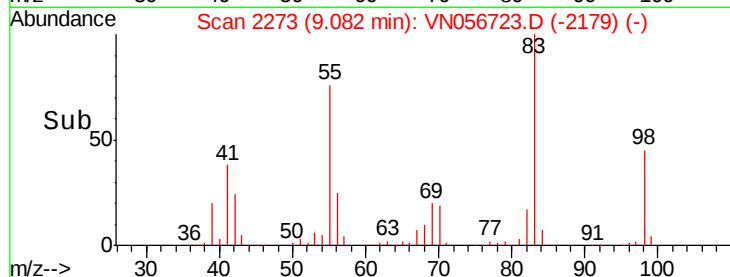
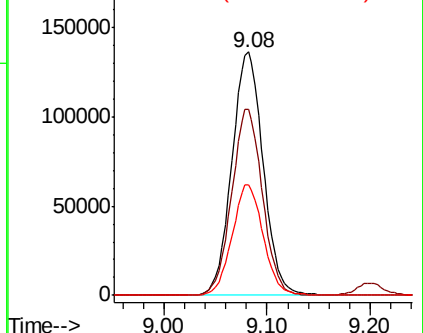
#39
Methvlcvclohexane
Concen: 47.231 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion: 83 Resp: 288333
Ion Ratio Lower Upper
83 100
55 76.5 60.4 90.6
98 45.3 35.8 53.8

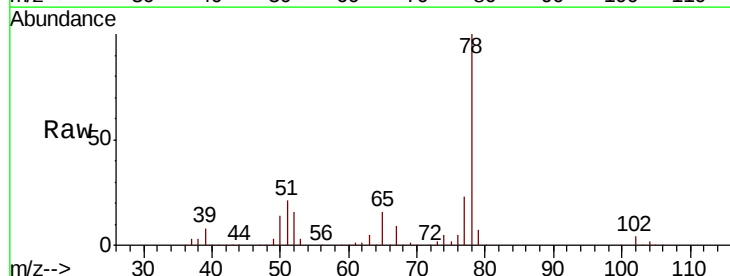


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

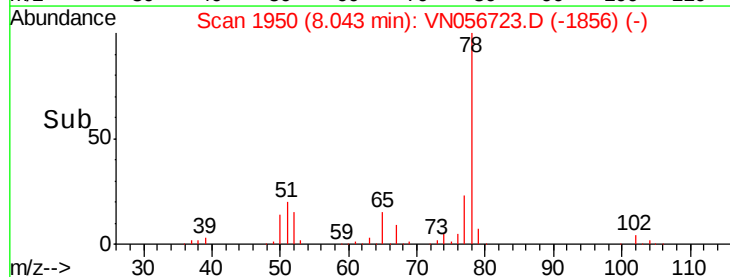
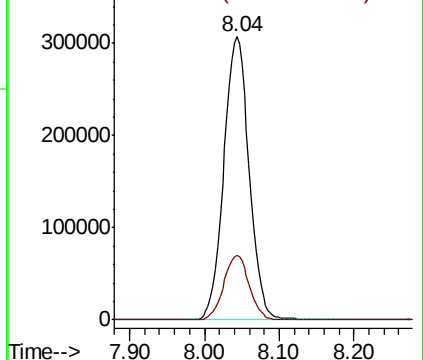


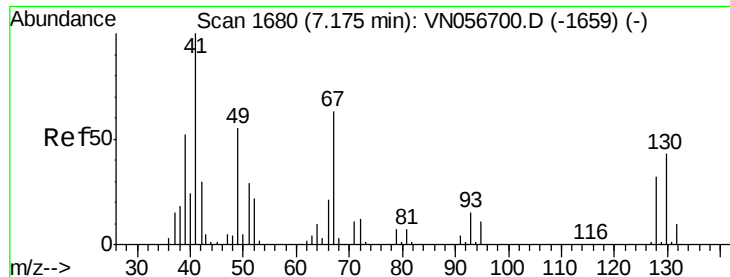
#40
Benzene
Concen: 47.449 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion: 78 Resp: 718793
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8



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

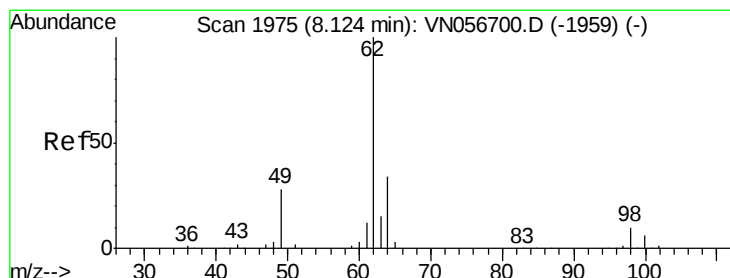
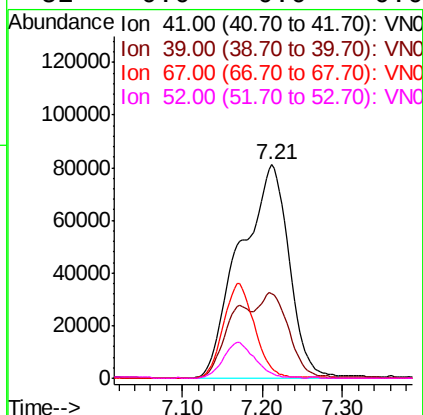
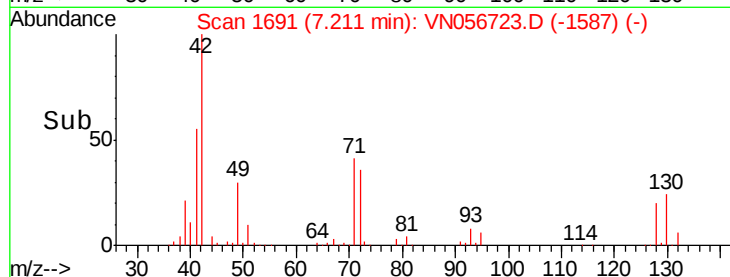
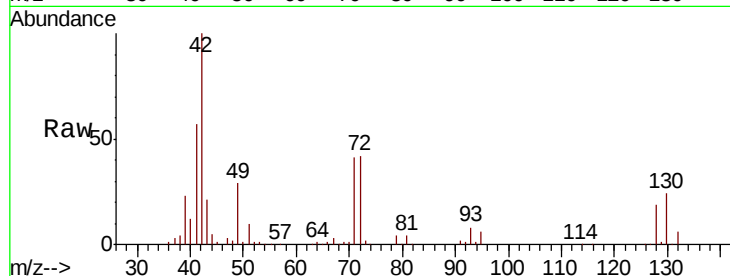




#41
Methacrylonitrile
Concen: 160.017 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

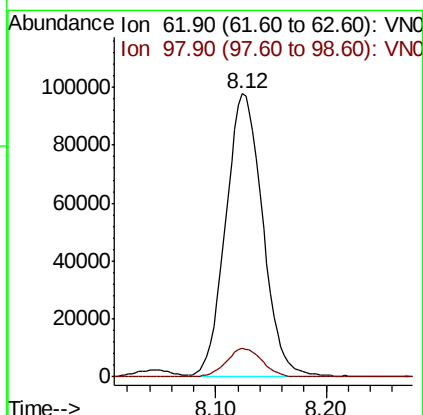
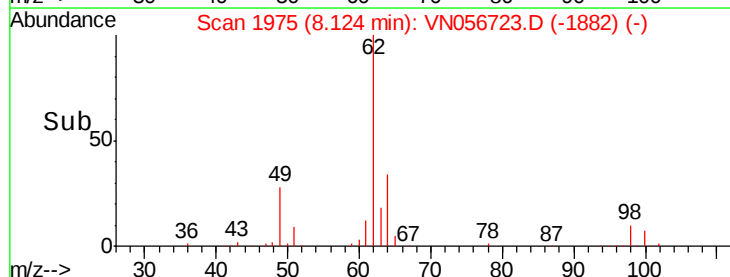
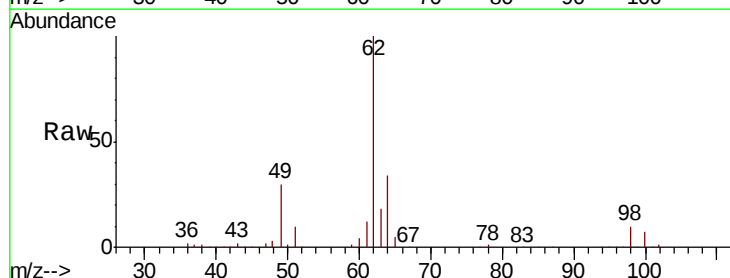
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

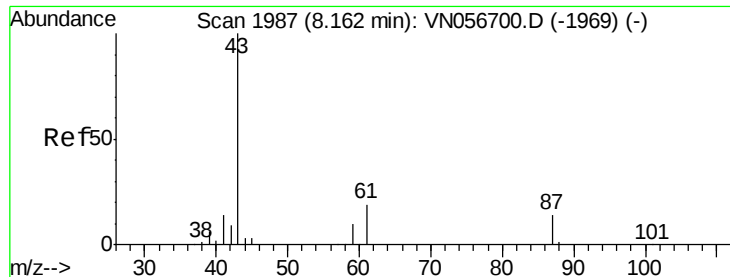
Tot Ion:	41	Resp:	342506
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 47.035 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion:	62	Resp:	225193
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 46.608 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

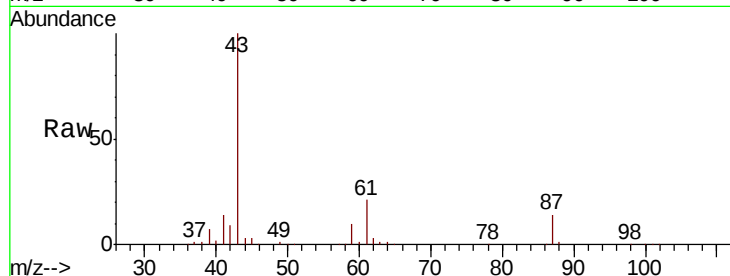
Tot Ion: 43 Resp: 357042

Ion Ratio Lower Upper

43 100

61 28.1 22.3 33.5

87 13.8 11.1 16.7

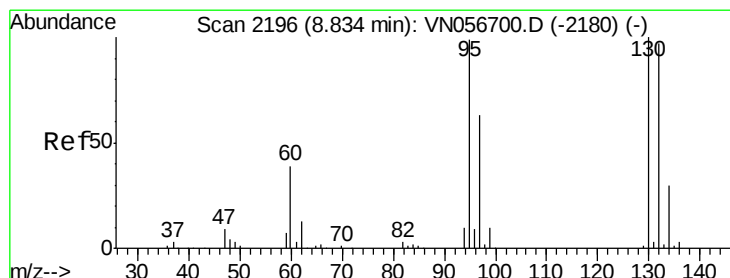
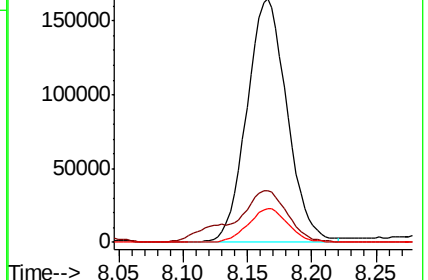
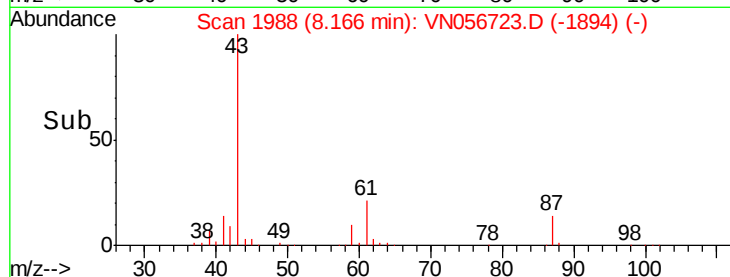


Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN056700.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN056700.D (-1969) (-)

8.17



#44

Trichloroethene

Concen: 46.679 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056723.D

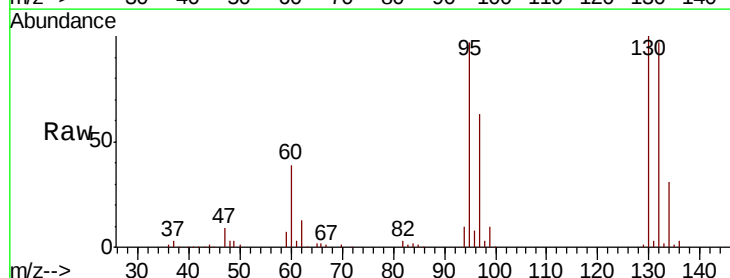
Acq: 15 Jul 2019 19:32

Tgt Ion:130 Resp: 192026

Ion Ratio Lower Upper

130 100

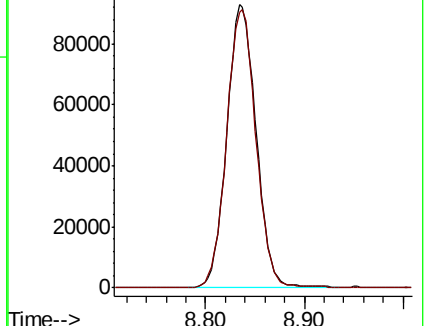
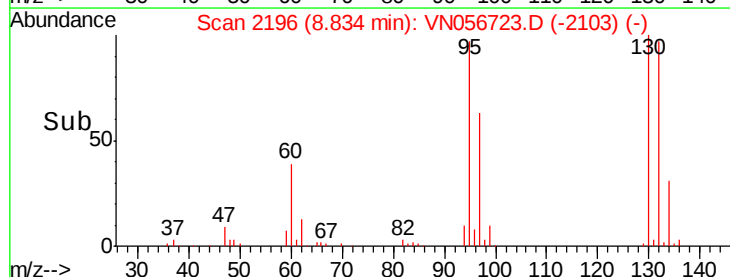
95 97.4 0.0 197.2

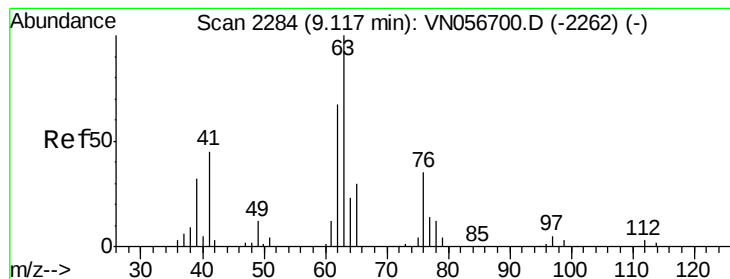


Abundance Ion 129.80 (129.50 to 130.50): VN056700.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN056700.D (-2180) (-)

8.83





#45

1,2-Dichloropropane

Concen: 47.607 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

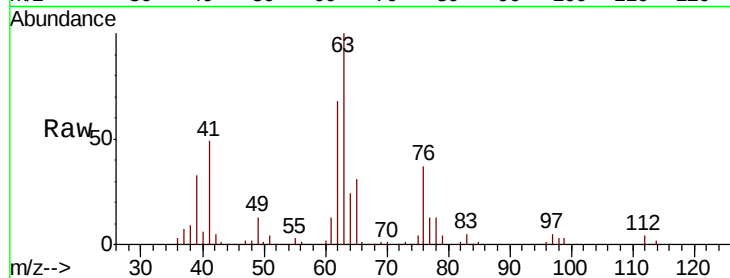
SA-TW532-2126MSD

Tot Ion: 63 Resp: 191631

Ion Ratio Lower Upper

63 100

65 31.1 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

100000

80000

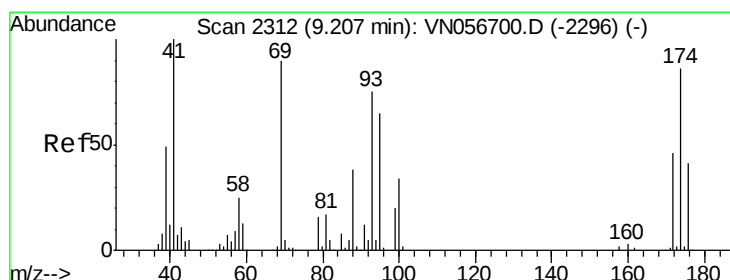
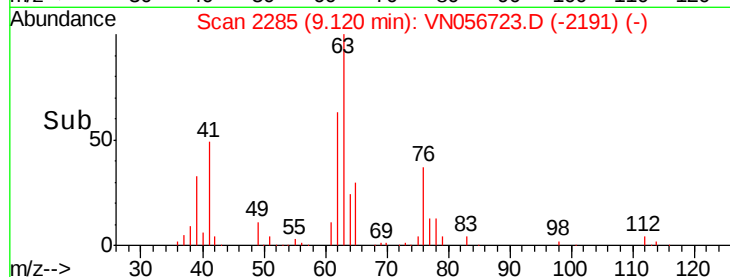
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 48.713 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

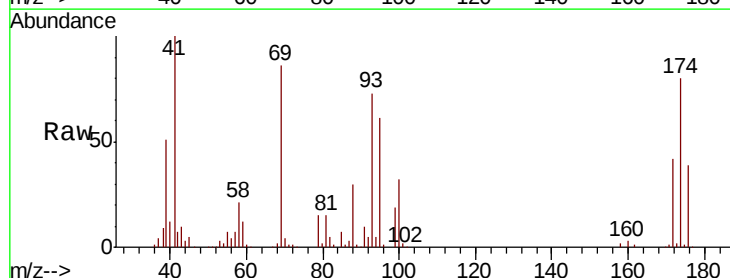
Tgt Ion: 93 Resp: 121514

Ion Ratio Lower Upper

93 100

95 83.8 67.4 101.0

174 112.1 90.3 135.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

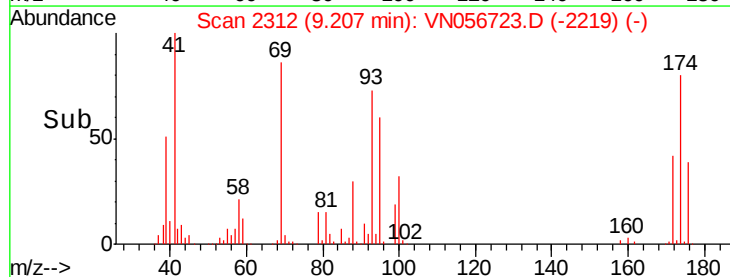
60000

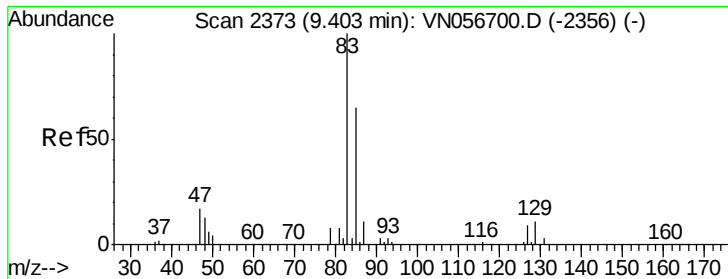
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 48.531 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

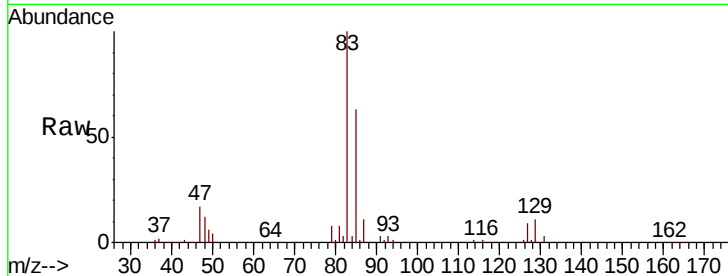
Tot Ion: 83 Resp: 230046

Ion Ratio Lower Upper

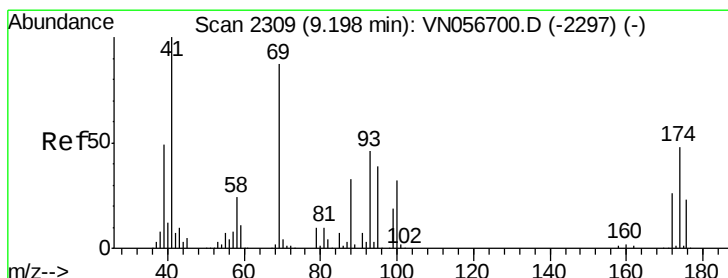
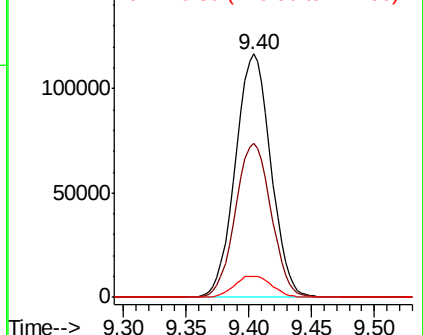
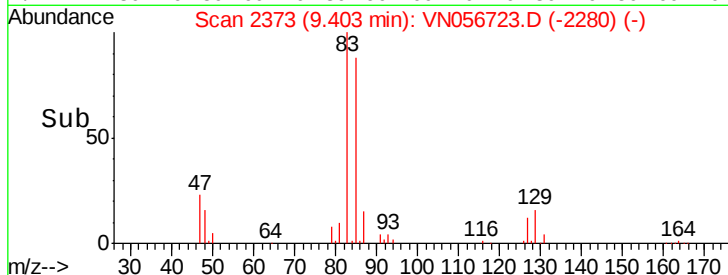
83 100

85 63.2 52.3 78.5

127 8.8 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN056723.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.545 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

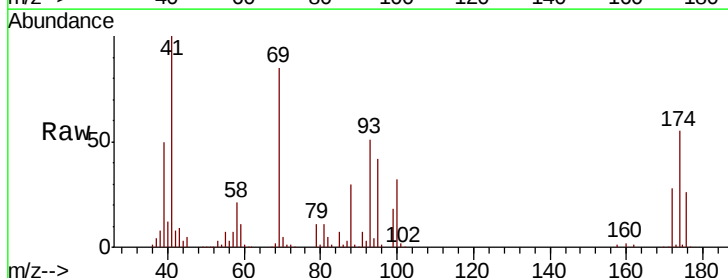
Tgt Ion: 41 Resp: 179844

Ion Ratio Lower Upper

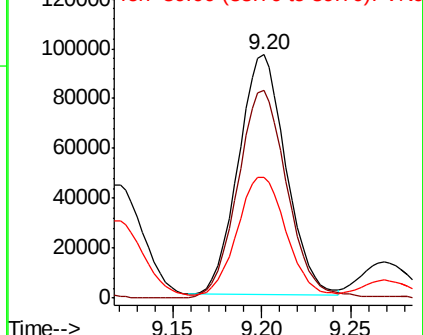
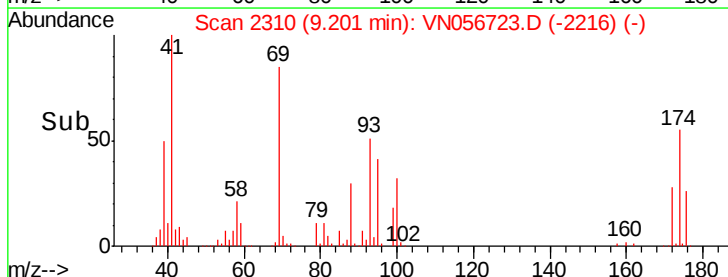
41 100

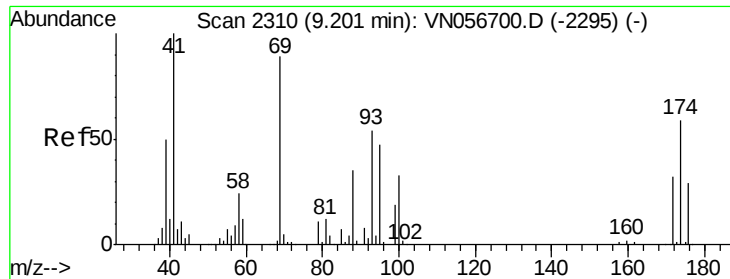
69 90.1 71.4 107.0

39 50.4 41.2 61.8



Abundance Ion 41.00 (40.70 to 41.70): VN056723.D (-2216) (-)

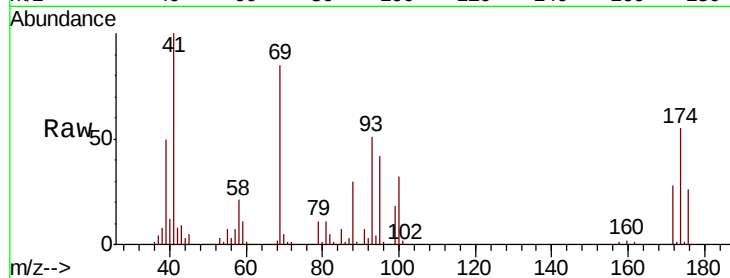




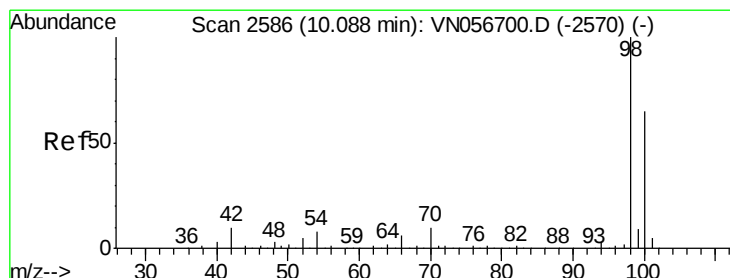
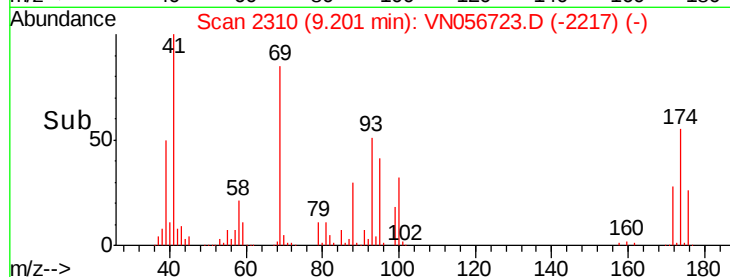
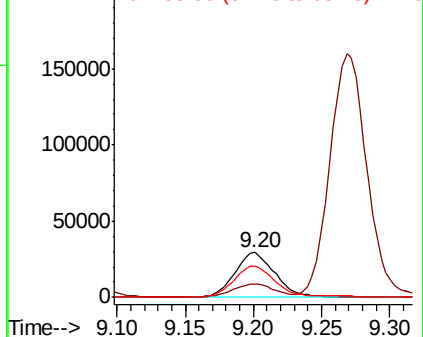
#49
 1,4-Dioxane
 Concen: 793.336 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion: 88 Resp: 60307
 Ion Ratio Lower Upper
 88 100
 43 29.9 23.7 35.5
 58 71.1 55.6 83.4

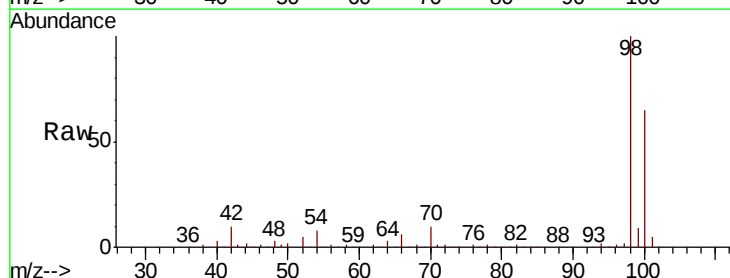


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

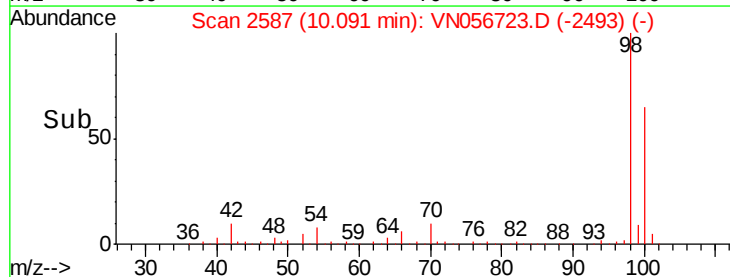
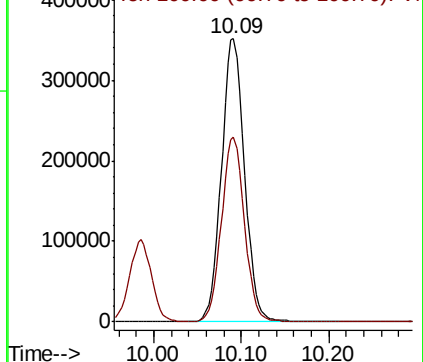


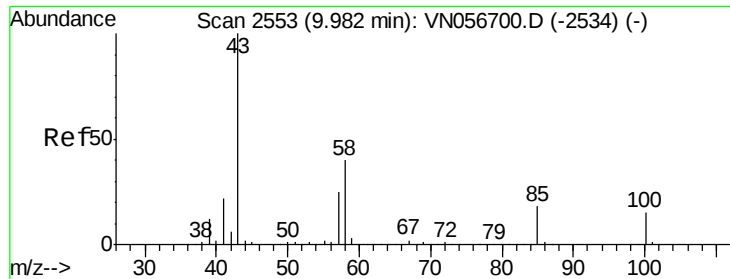
#50
 Toluene-d8
 Concen: 50.095 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion: 98 Resp: 643311
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.0 78.0



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





#51

4-Methyl-2-Pentanone

Concen: 240.583 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

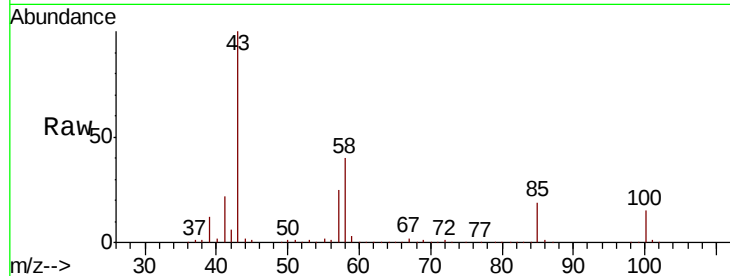
SA-TW532-2126MSD

Tot Ion: 43 Resp: 1193674

Ion Ratio Lower Upper

43 100

58 40.1 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

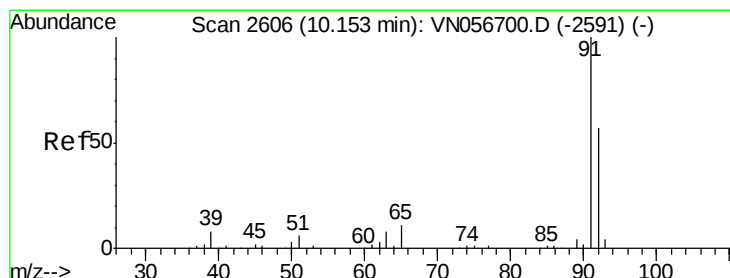
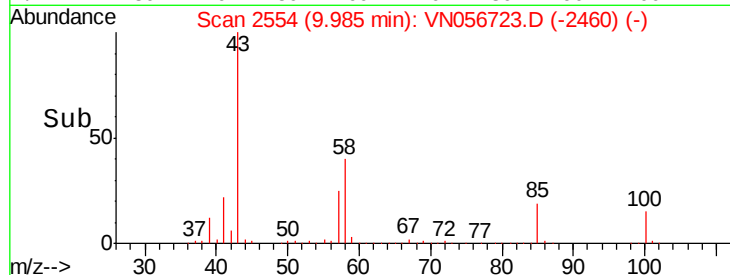
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.261 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056723.D

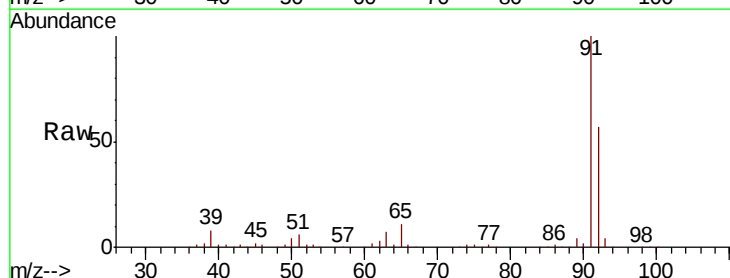
Acq: 15 Jul 2019 19:32

Tgt Ion: 92 Resp: 443183

Ion Ratio Lower Upper

92 100

91 174.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

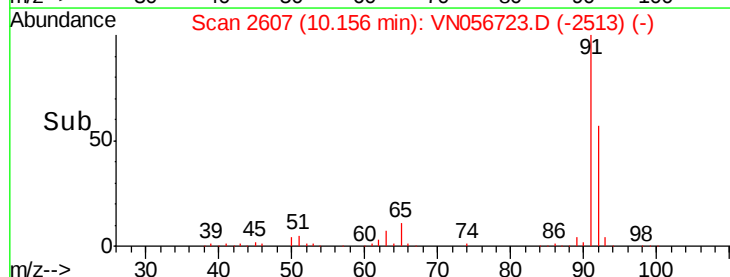
300000

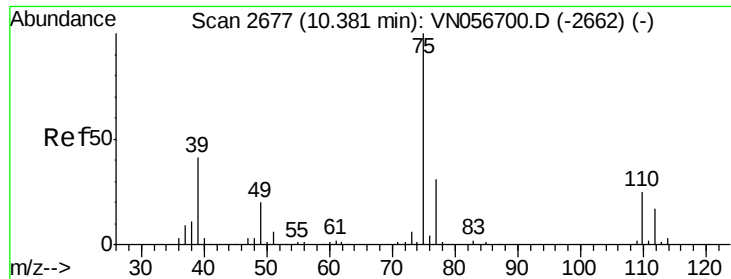
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.081 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

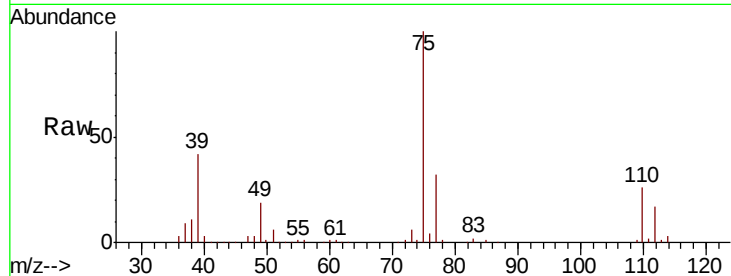
SA-TW532-2126MSD

Tot Ion: 75 Resp: 247676

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

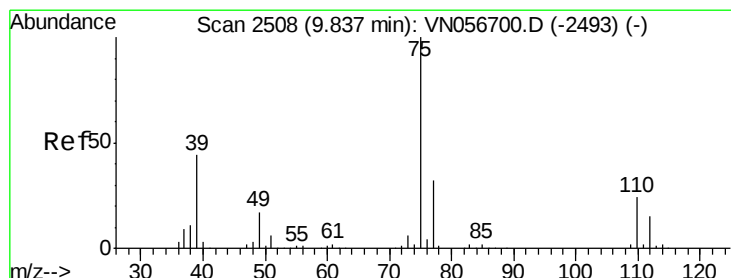
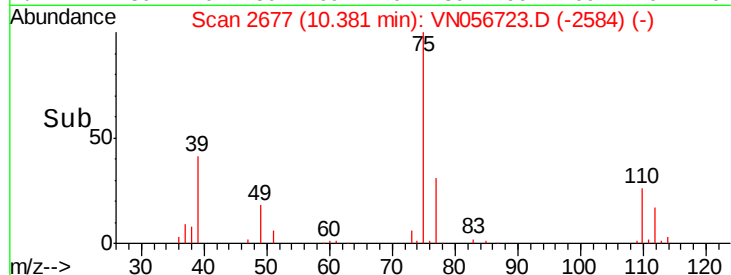
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.870 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

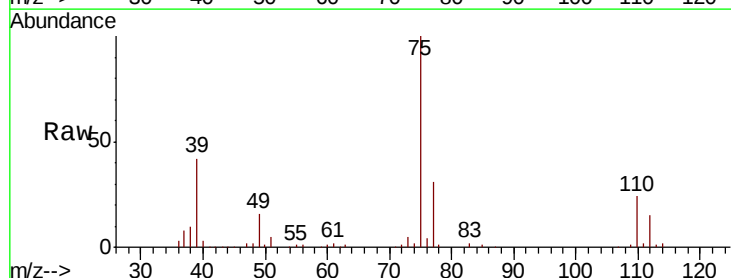
Tgt Ion: 75 Resp: 280461

Ion Ratio Lower Upper

75 100

77 31.3 26.0 39.0

39 42.4 35.1 52.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

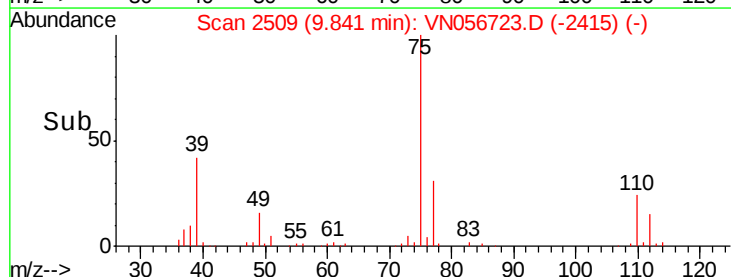
150000

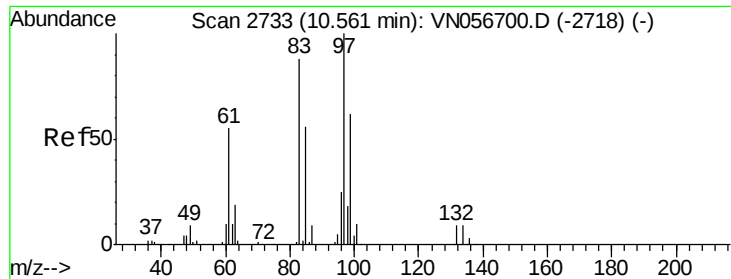
100000

50000

0

Time-->

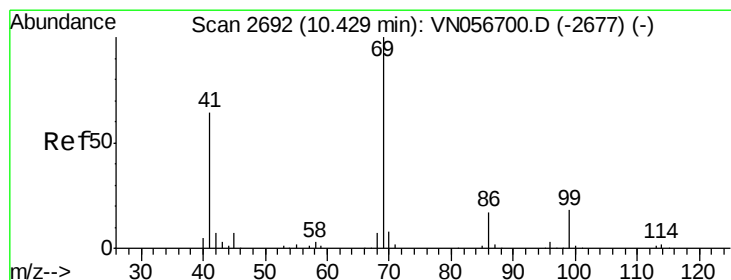
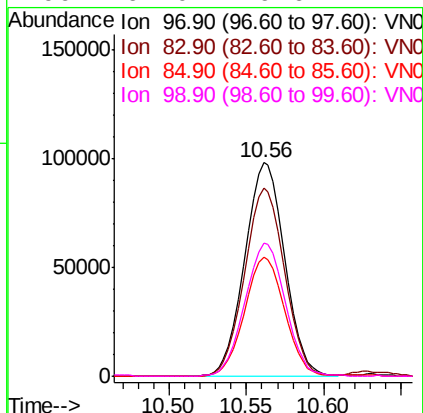
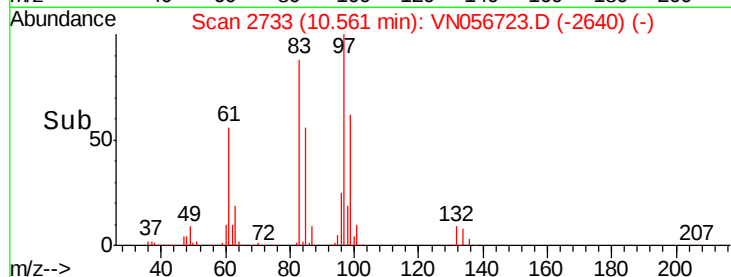
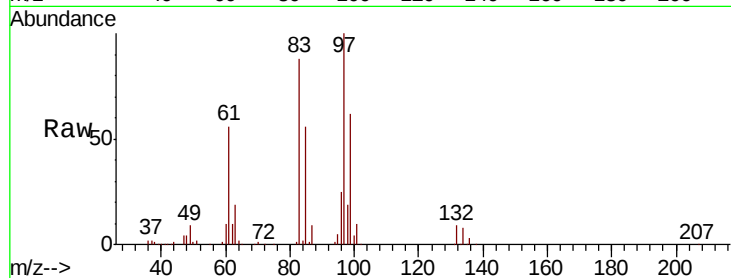




#55
 1,1,2-Trichloroethane
 Concen: 46.888 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

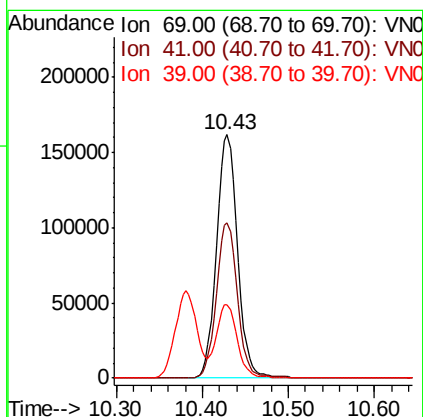
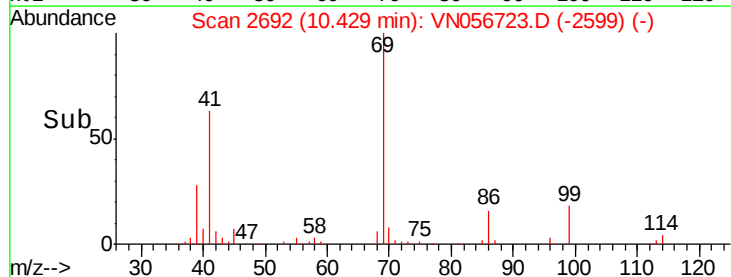
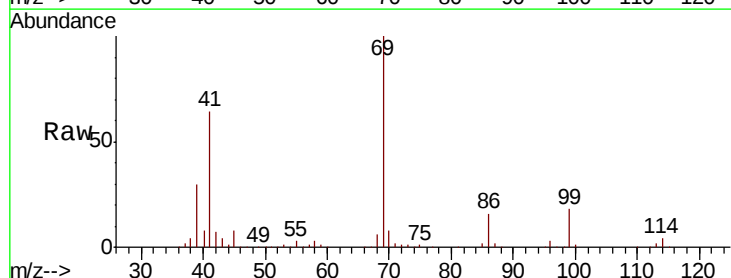
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

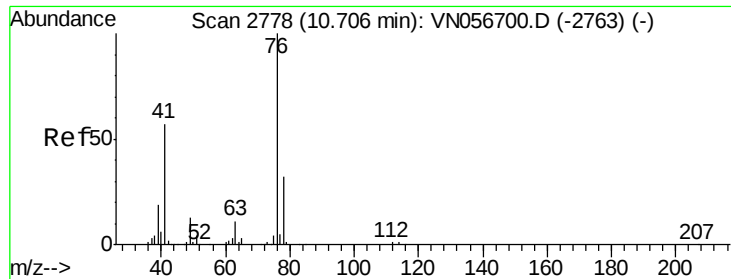
Tot Ion: 97 Resp: 176930
 Ion Ratio Lower Upper
 97 100
 83 88.3 70.3 105.5
 85 55.5 44.8 67.2
 99 62.0 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 50.769 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion: 69 Resp: 275649
 Ion Ratio Lower Upper
 69 100
 41 63.2 51.0 76.4
 39 30.0 24.6 36.8

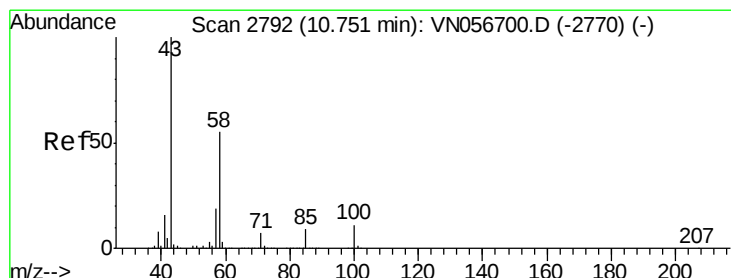
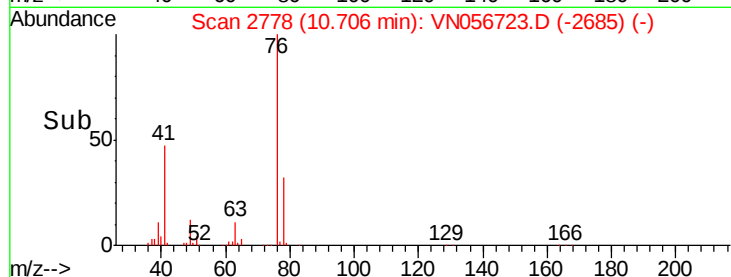
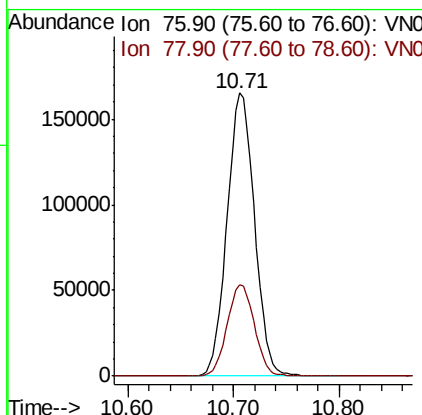
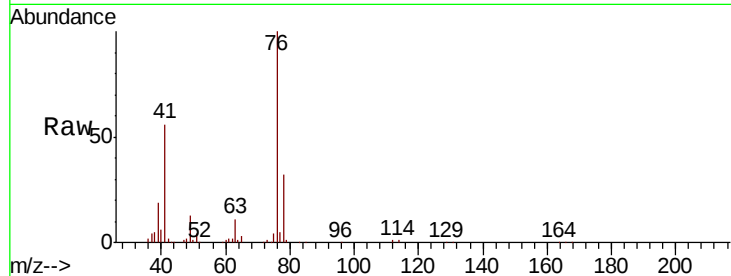




#57
 1,3-Dichloropropane
 Concen: 48.374 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

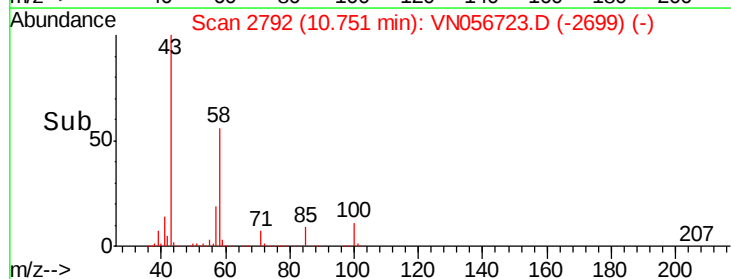
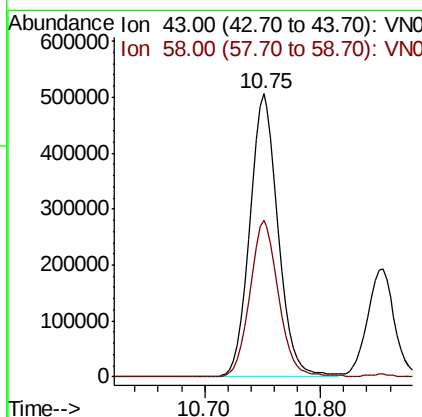
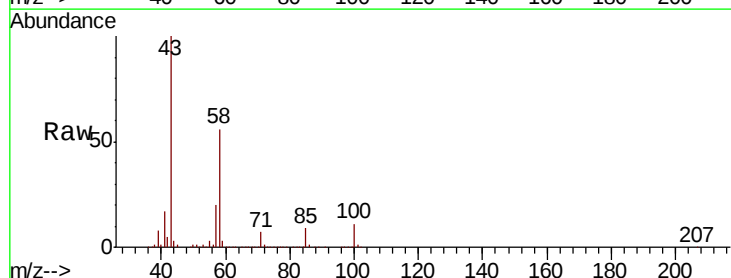
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

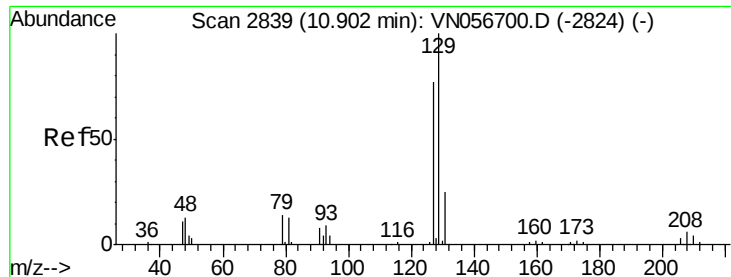
Tot Ion: 76 Resp: 298125
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#59
 2-Hexanone
 Concen: 242.435 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion: 43 Resp: 863096
 Ion Ratio Lower Upper
 43 100
 58 56.1 27.9 83.6





#60

Dibromochloromethane

Concen: 50.500 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

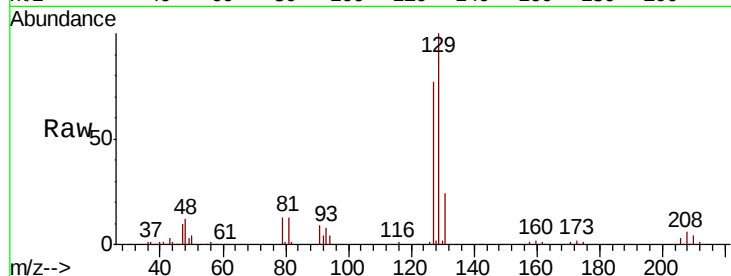
SA-TW532-2126MSD

Tot Ion:129 Resp: 187409

Ion Ratio Lower Upper

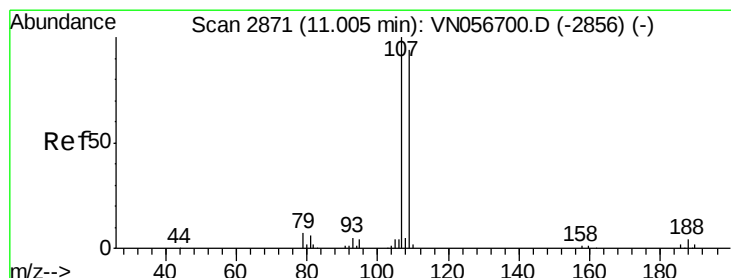
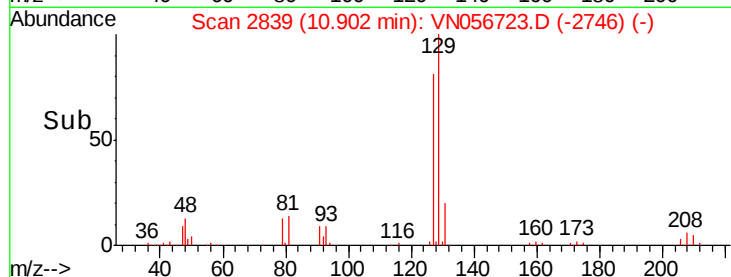
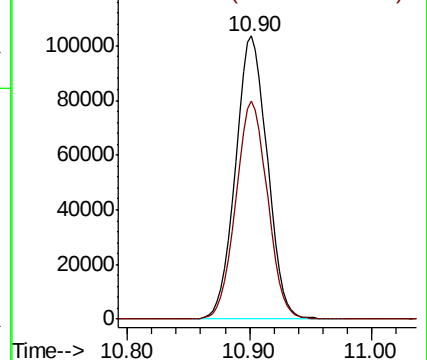
129 100

127 76.9 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.544 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056723.D

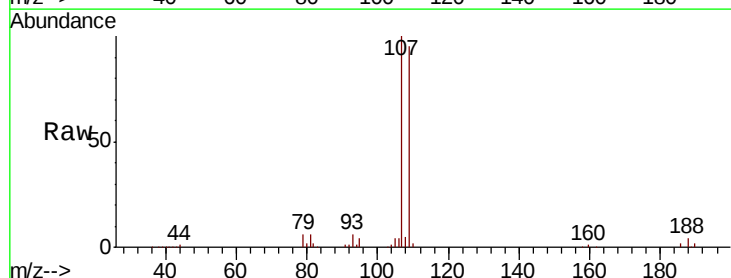
Acq: 15 Jul 2019 19:32

Tgt Ion:107 Resp: 185793

Ion Ratio Lower Upper

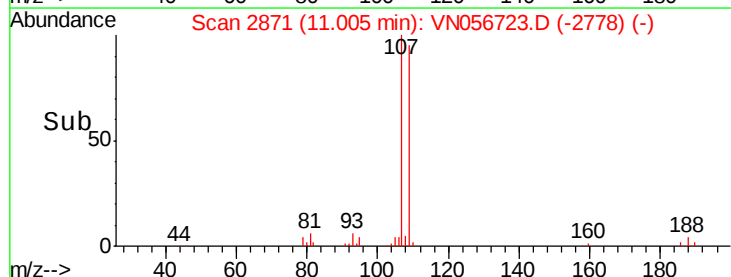
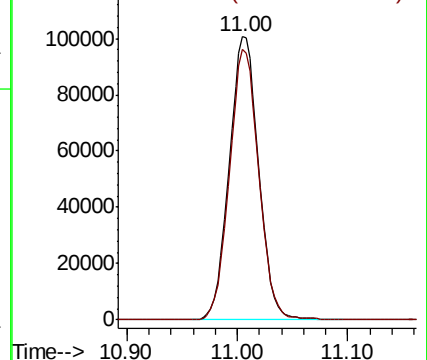
107 100

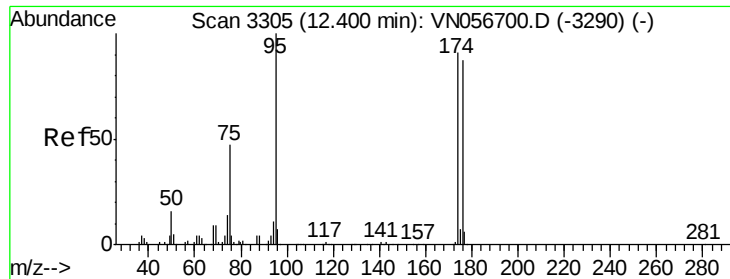
109 95.2 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.797 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

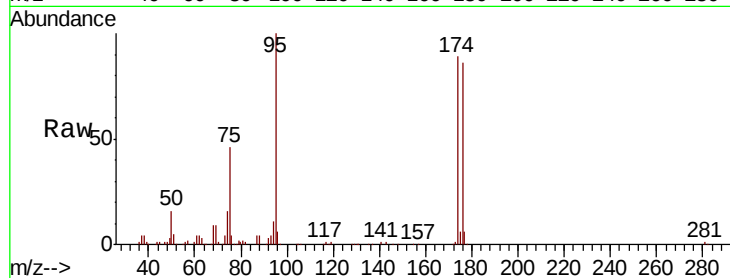
Tot Ion: 95 Resp: 224317

Ion Ratio Lower Upper

95 100

174 89.4 0.0 180.0

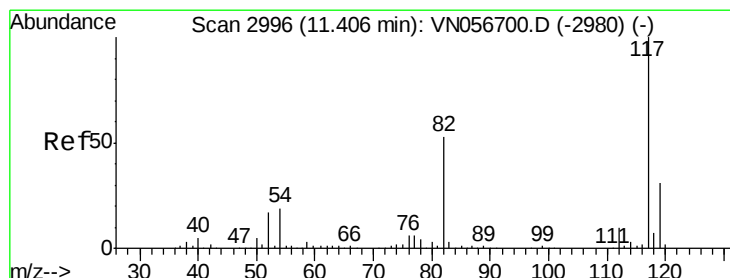
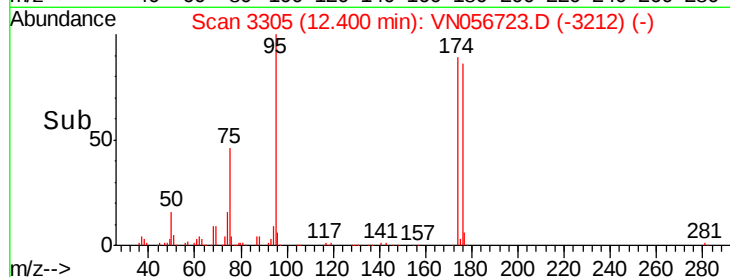
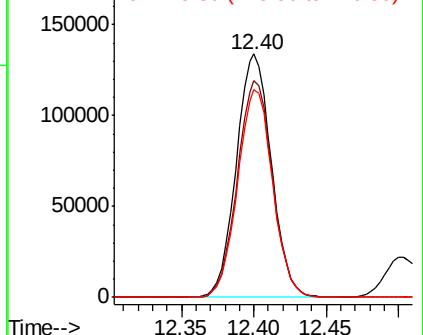
176 85.6 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056723.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN056723.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN056723.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

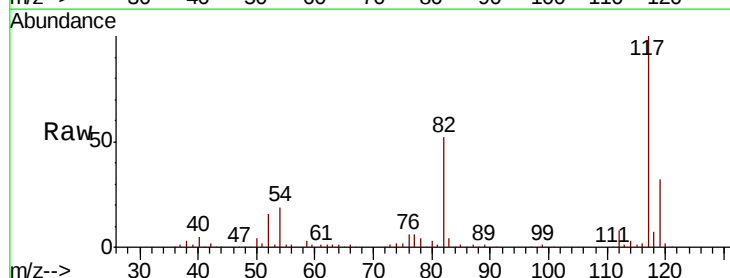
Tgt Ion: 117 Resp: 483322

Ion Ratio Lower Upper

117 100

82 51.6 42.2 63.2

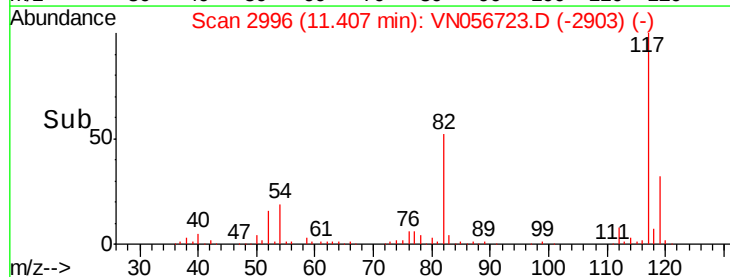
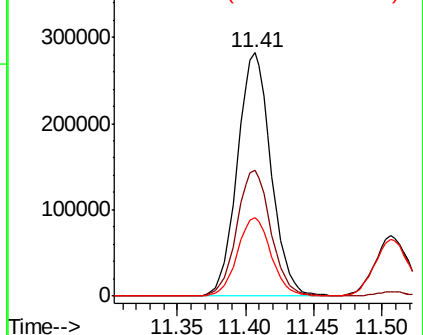
119 32.4 25.2 37.8

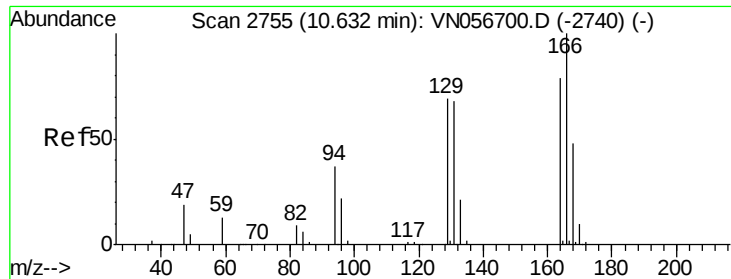


Abundance Ion 116.90 (116.60 to 117.60): VN056723.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056723.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056723.D (-2903) (-)





#64

Tetrachloroethene

Concen: 44.377 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion:164 Resp: 185039

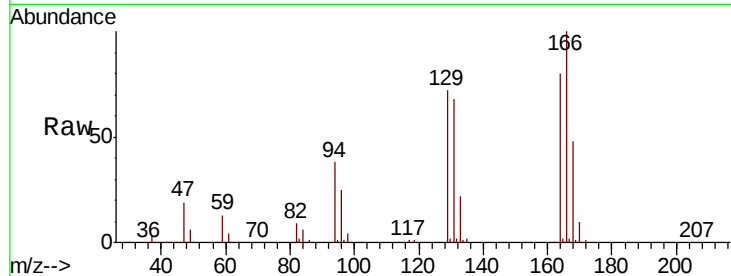
Ion Ratio Lower Upper

164 100

166 125.0 101.4 152.2

129 89.4 69.6 104.4

131 85.2 69.0 103.4

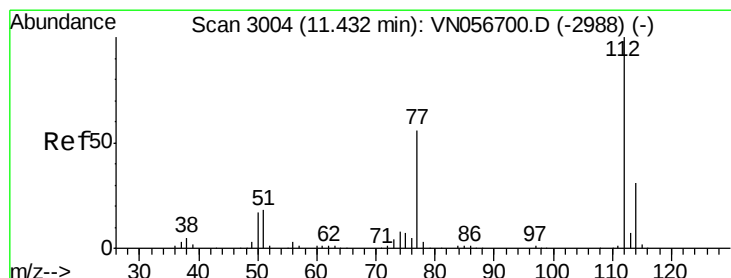
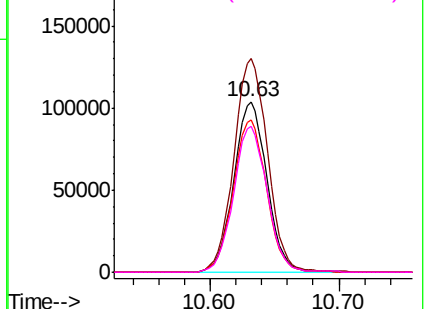
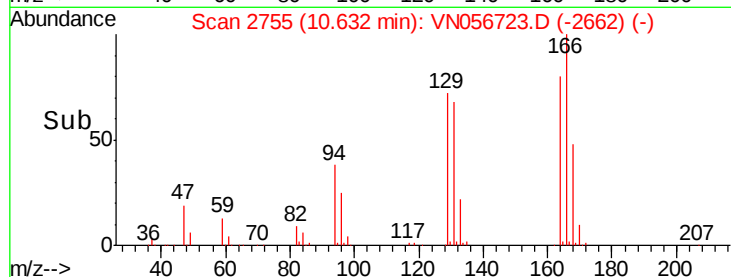


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.627 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056723.D

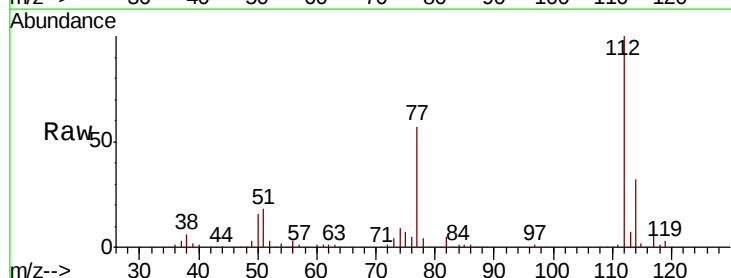
Acq: 15 Jul 2019 19:32

Tgt Ion:112 Resp: 470677

Ion Ratio Lower Upper

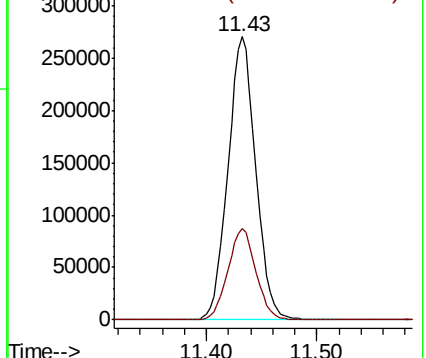
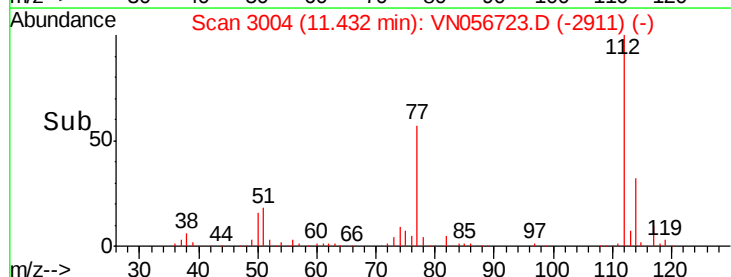
112 100

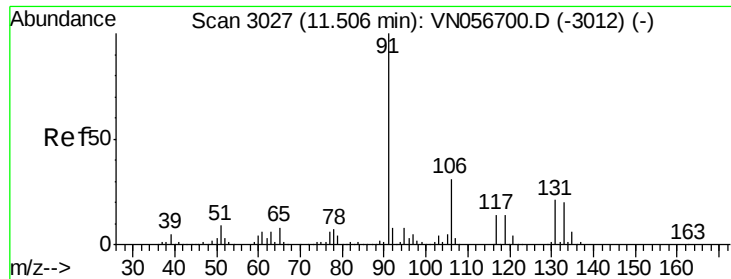
114 32.1 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 47.249 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

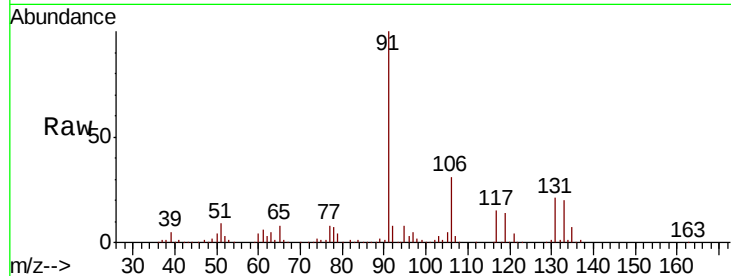
Tot Ion:131 Resp: 171925

Ion Ratio Lower Upper

131 100

133 96.9 46.9 140.7

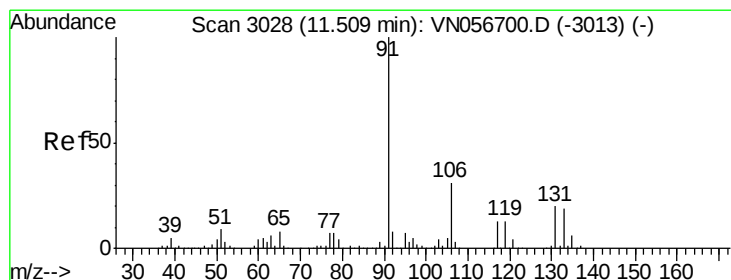
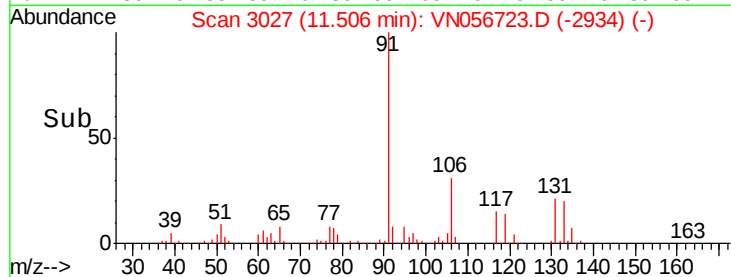
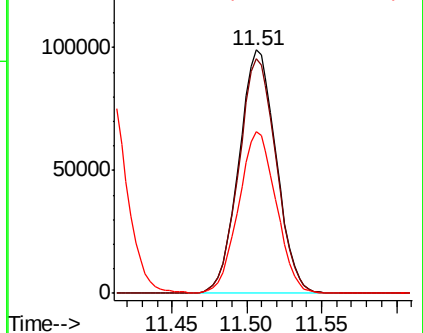
119 67.1 32.8 98.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 48.217 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056723.D

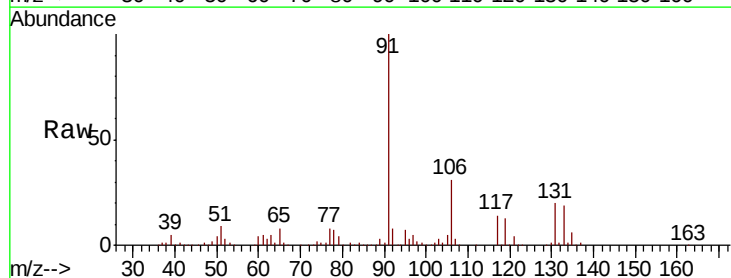
Acq: 15 Jul 2019 19:32

Tgt Ion: 91 Resp: 837431

Ion Ratio Lower Upper

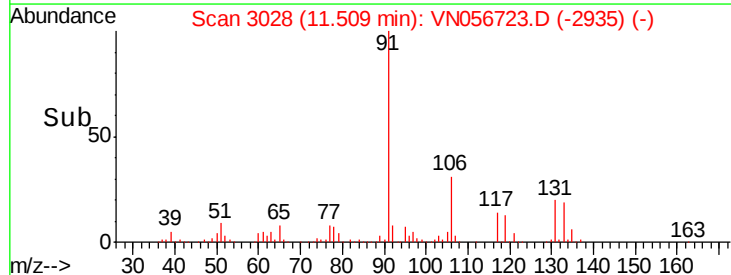
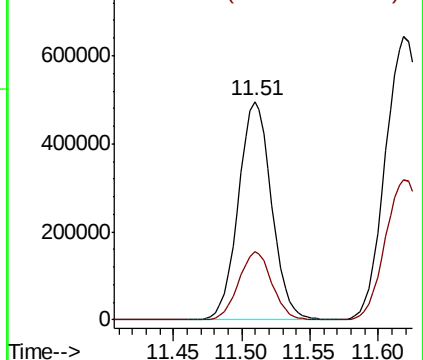
91 100

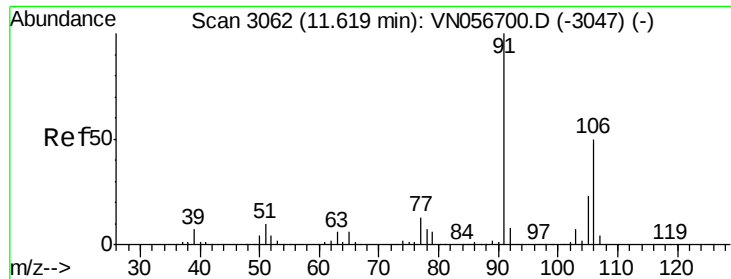
106 31.1 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

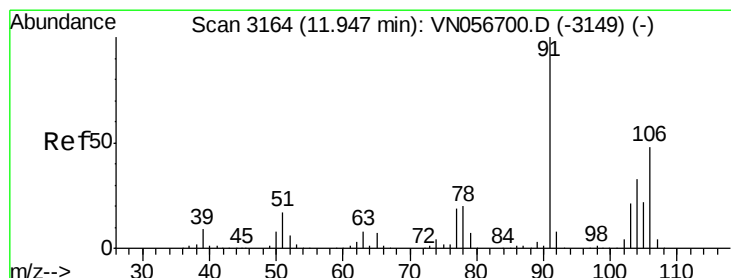
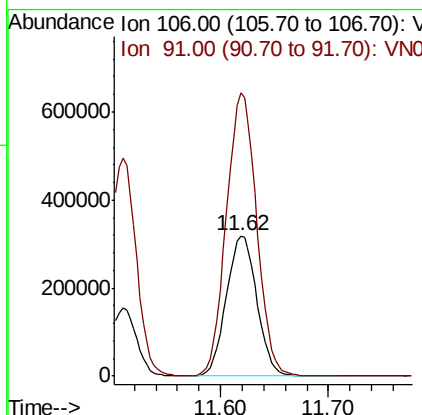
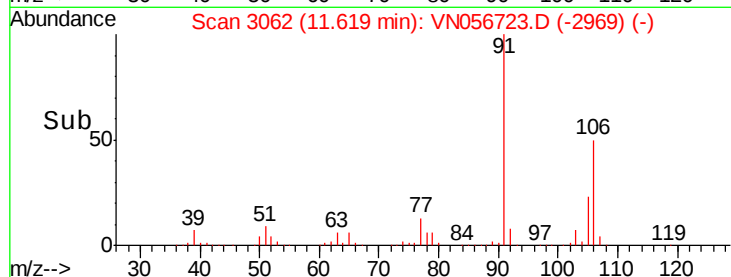
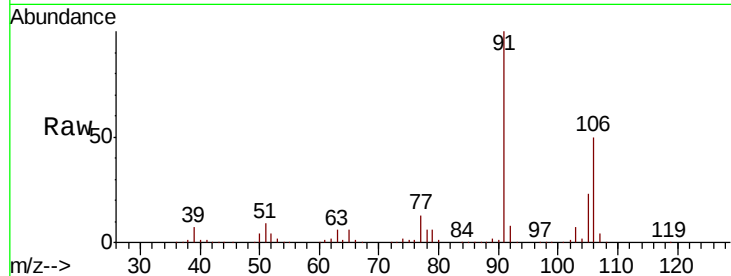




#68
m/p-Xylenes
Concen: 96.516 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

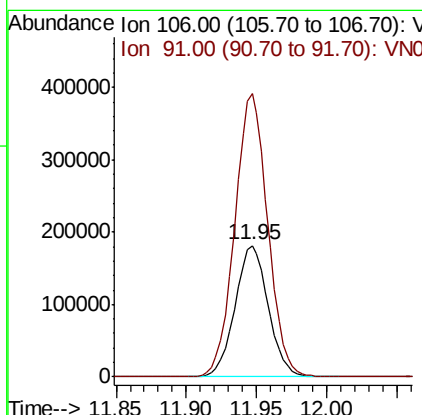
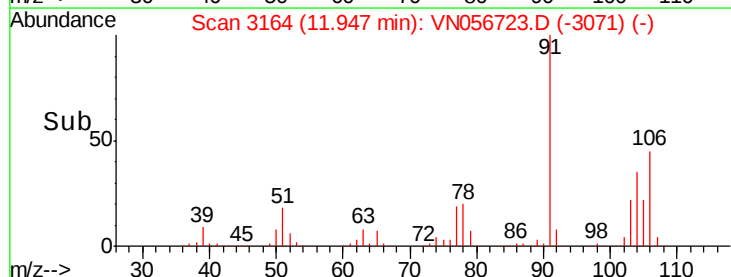
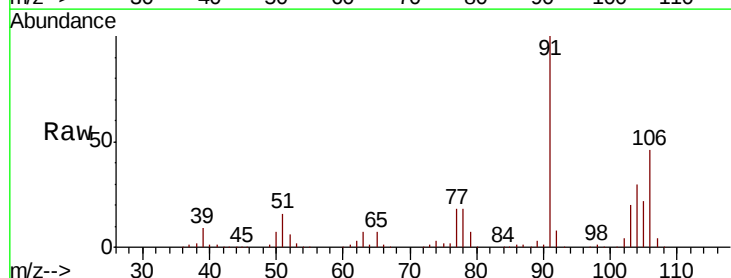
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

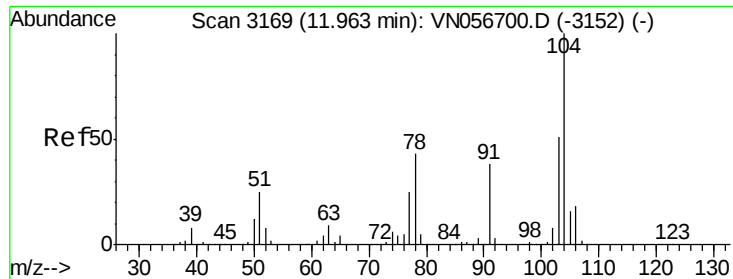
Tot Ion:106 Resp: 626466
Ion Ratio Lower Upper
106 100
91 200.9 160.5 240.7



#69
o-Xylene
Concen: 46.882 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion:106 Resp: 299165
Ion Ratio Lower Upper
106 100
91 214.1 105.6 316.8

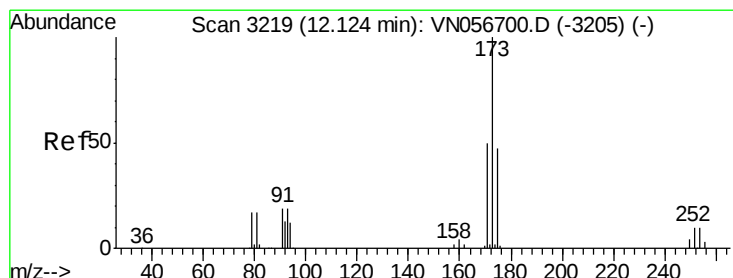
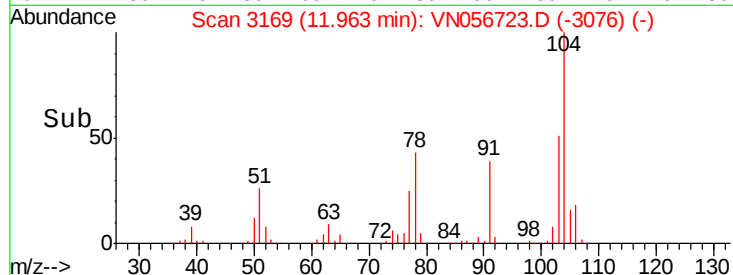
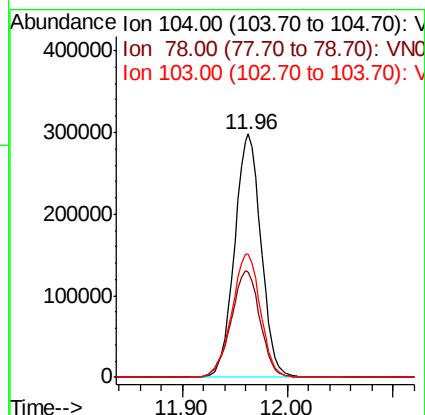
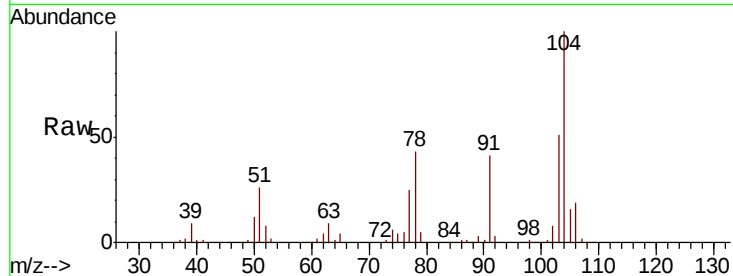




#70
Stvrene
Concen: 50.105 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

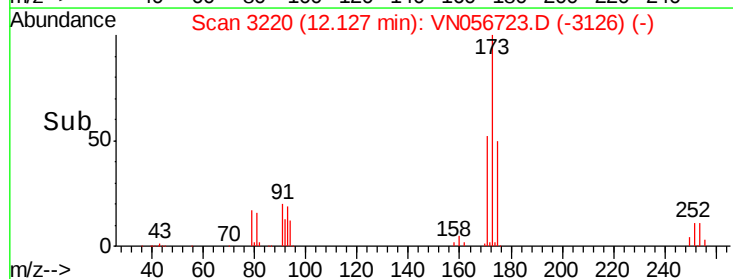
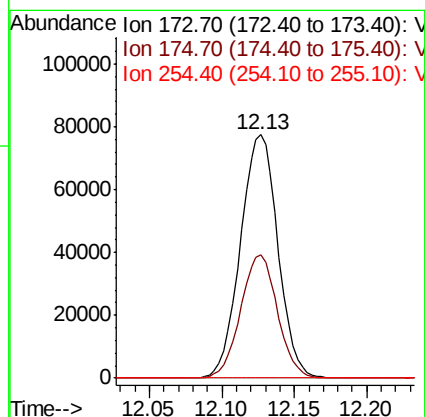
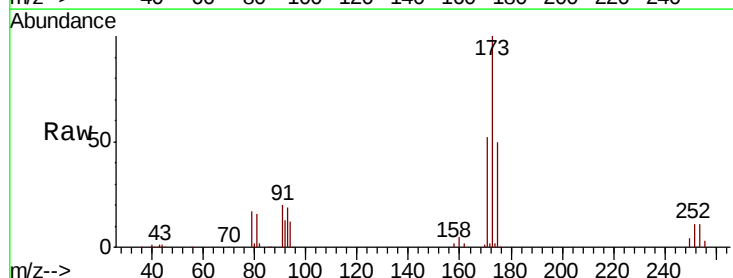
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

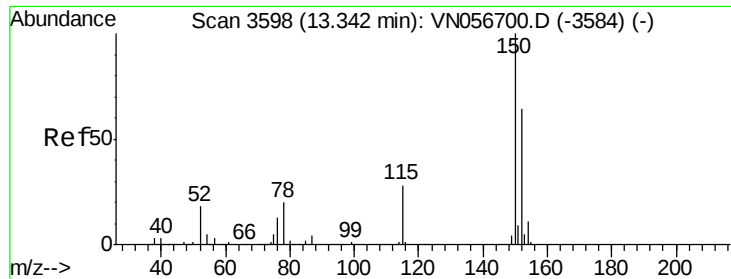
Tot Ion:104 Resp: 516911
Ion Ratio Lower Upper
104 100
78 47.8 38.6 57.8
103 54.6 44.2 66.4



#71
Bromoform
Concen: 50.148 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Tgt Ion:173 Resp: 138838
Ion Ratio Lower Upper
173 100
175 49.9 23.8 71.4
254 0.0 0.0 0.0



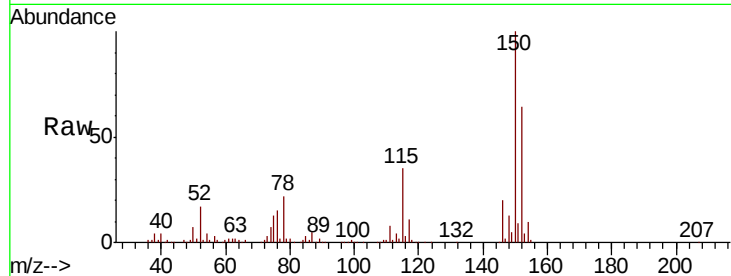


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.2	84.7
150	171.8	0.0	345.8

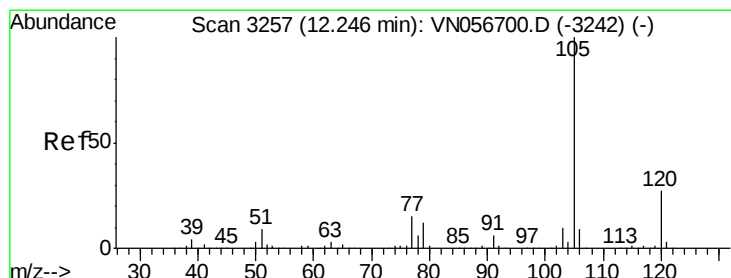
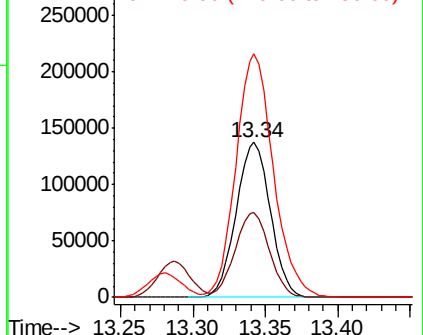
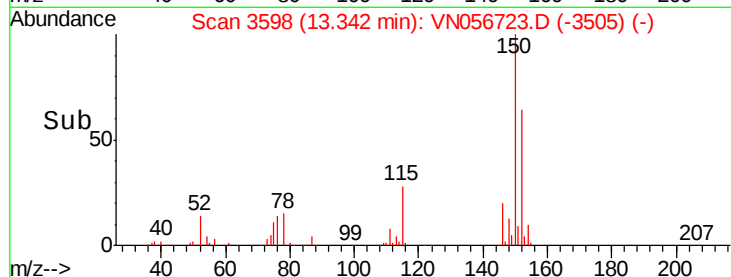


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

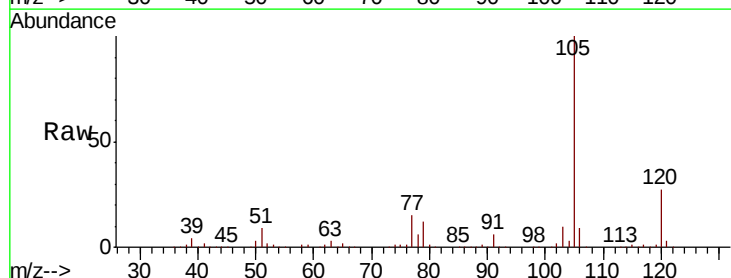
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 43.847 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056723.D
Acq: 15 Jul 2019 19:32

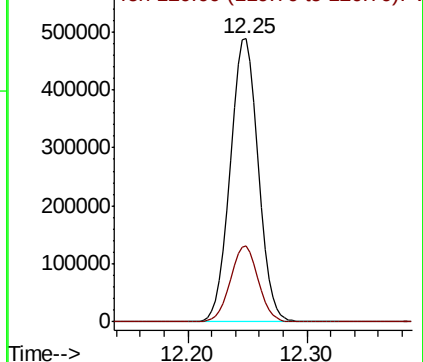
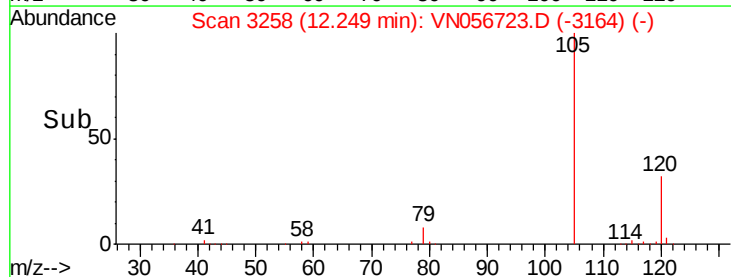
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

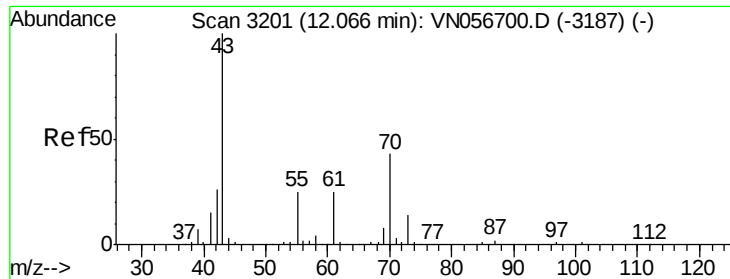


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 42.037 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

Tot Ion: 43 Resp: 284501

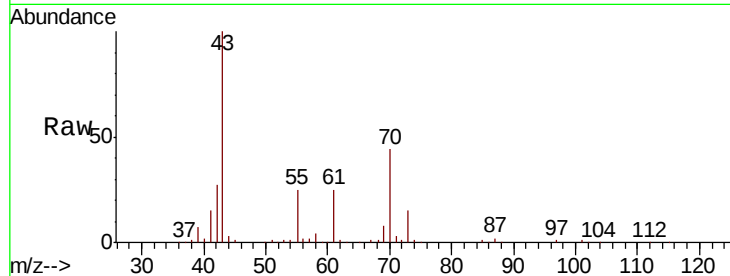
Ion Ratio Lower Upper

43 100

70 44.5 34.5 51.7

55 25.8 20.2 30.2

61 24.8 19.9 29.9

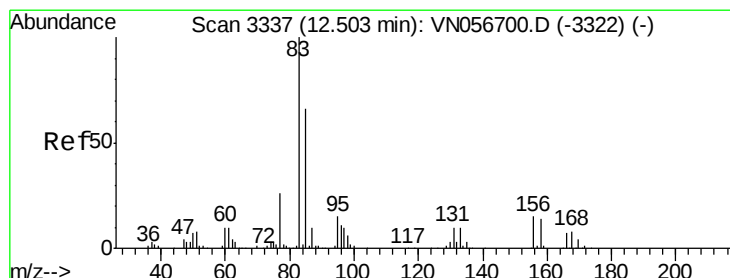
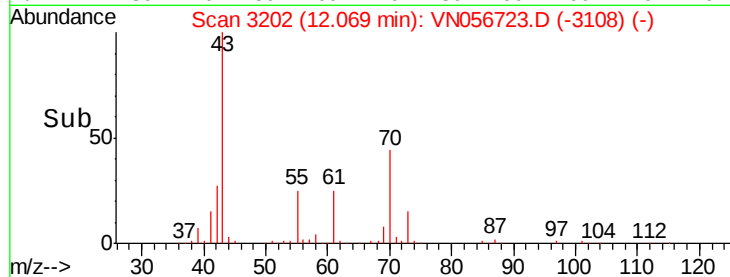
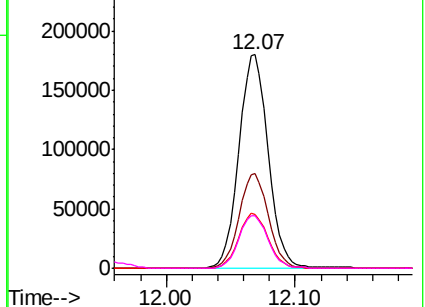


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 48.895 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

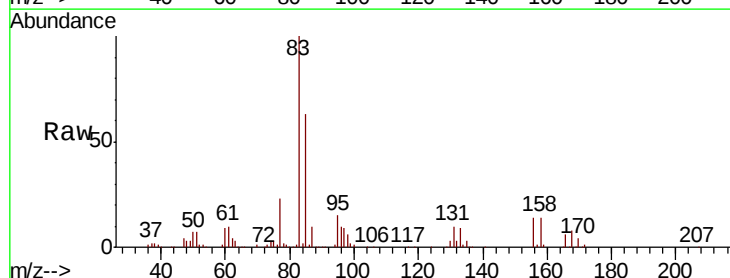
Tgt Ion: 83 Resp: 257522

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

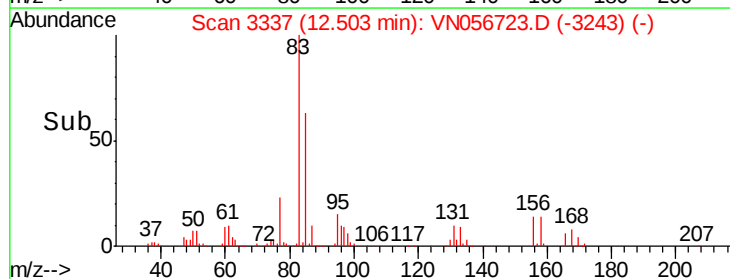
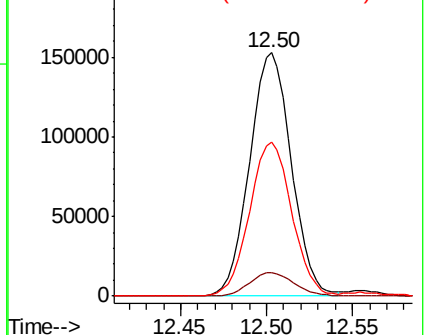
85 64.1 32.6 97.8

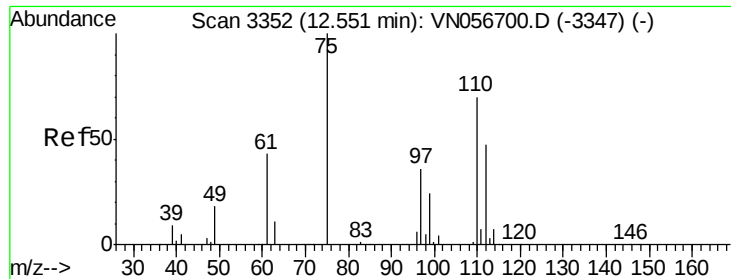


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

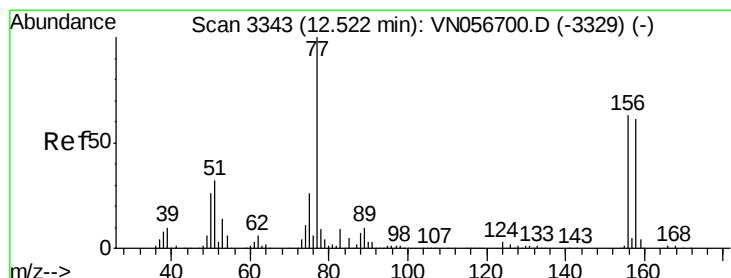
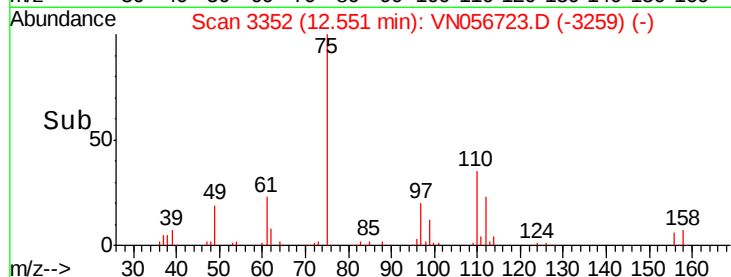
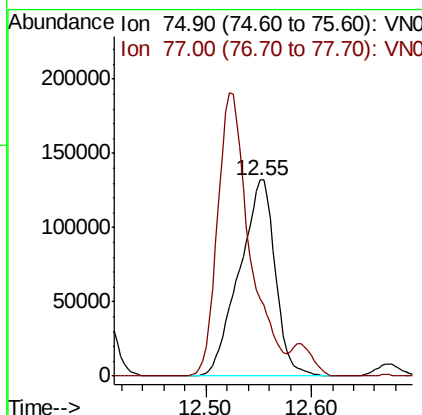
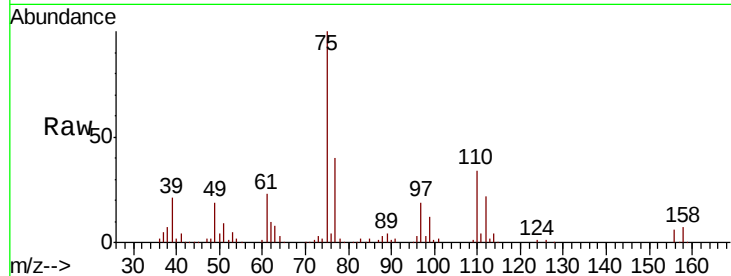




#76
 1,2,3-Trichloropropane
 Concen: 63.561 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

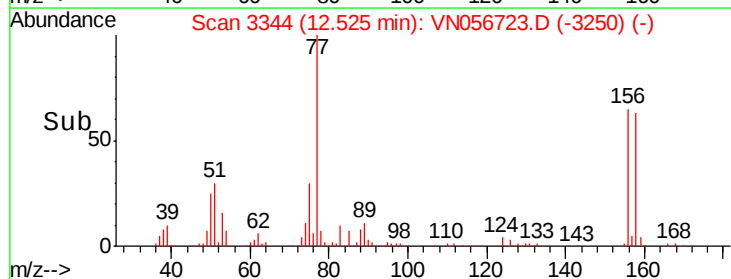
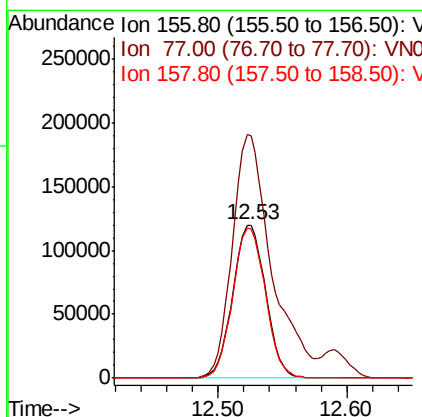
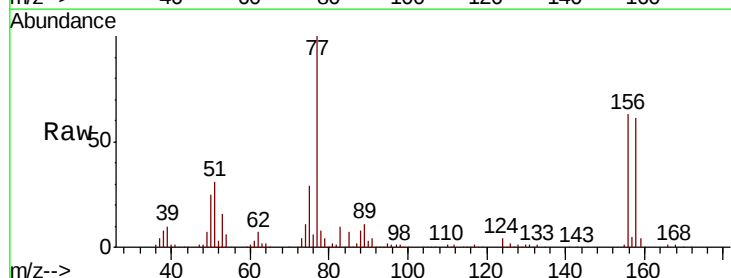
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

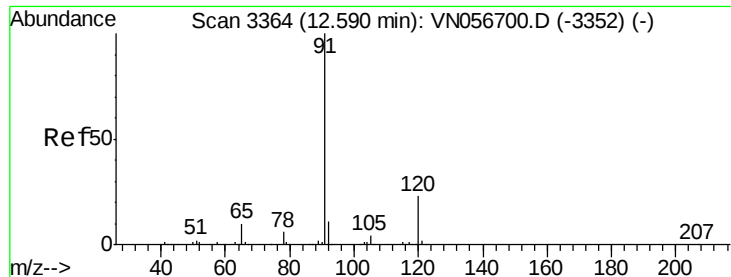
Tot Ion: 75 Resp: 313313
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 44.640 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion: 156 Resp: 212179
 Ion Ratio Lower Upper
 156 100
 77 191.0 97.2 291.6
 158 97.4 48.9 146.8





#78

n-propylbenzene

Concen: 44.916 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

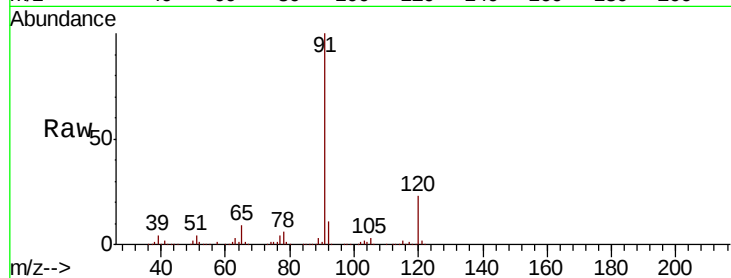
SA-TW532-2126MSD

Tot Ion: 91 Resp: 906162

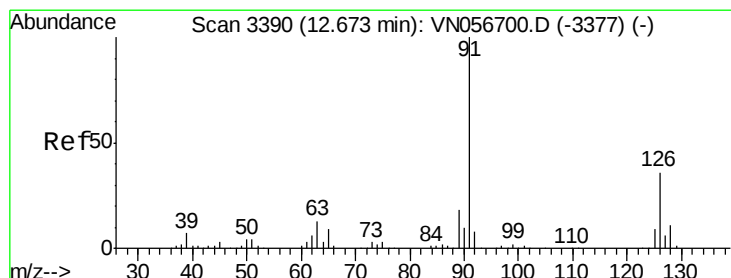
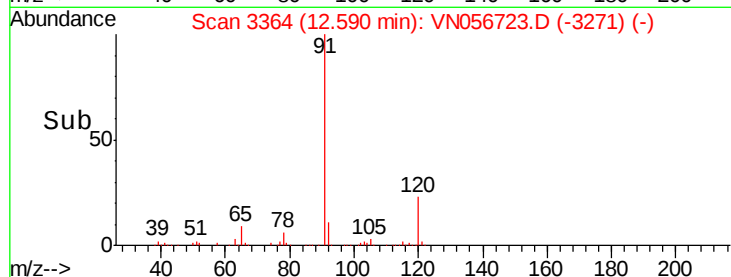
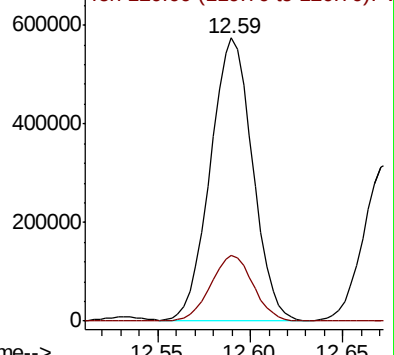
Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN056723.D (-3271) (-)



#79

2-Chlorotoluene

Concen: 47.969 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056723.D

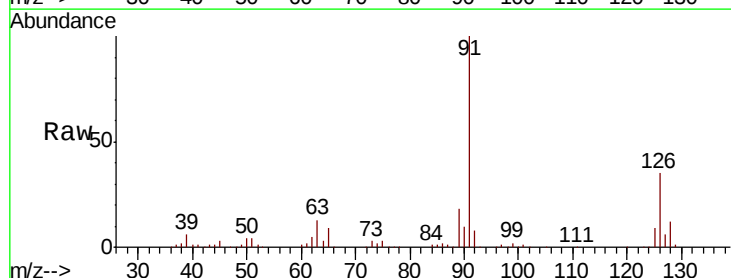
Acq: 15 Jul 2019 19:32

Tgt Ion: 91 Resp: 535522

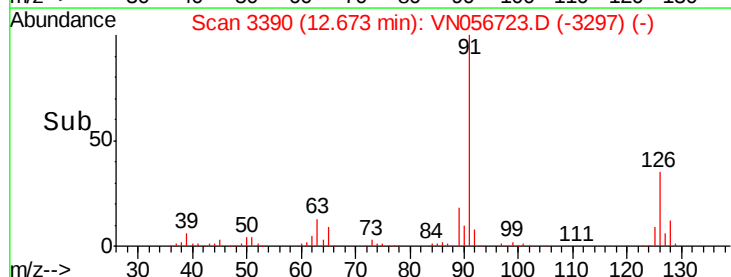
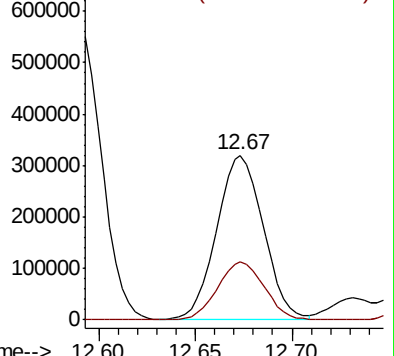
Ion Ratio Lower Upper

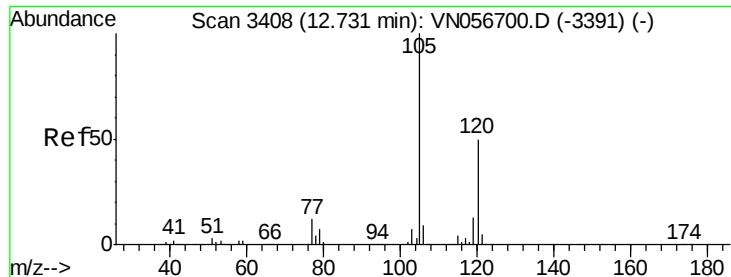
91 100

126 35.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN056723.D (-3297) (-)

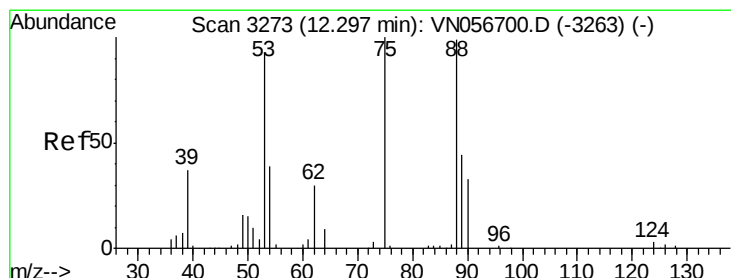
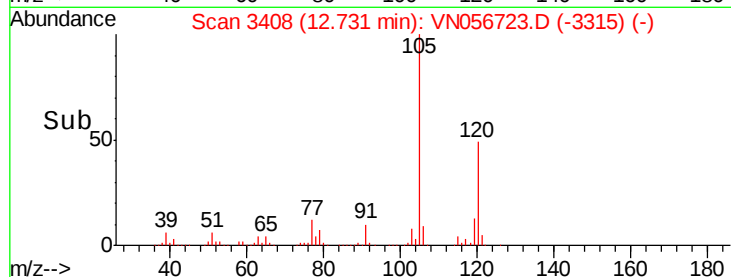
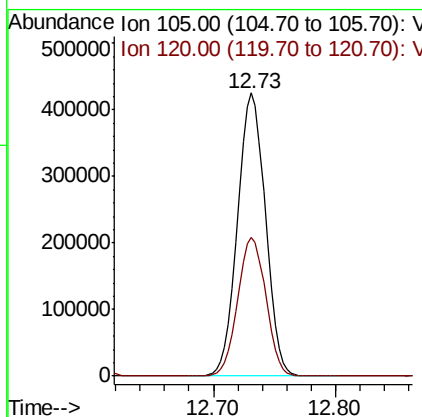
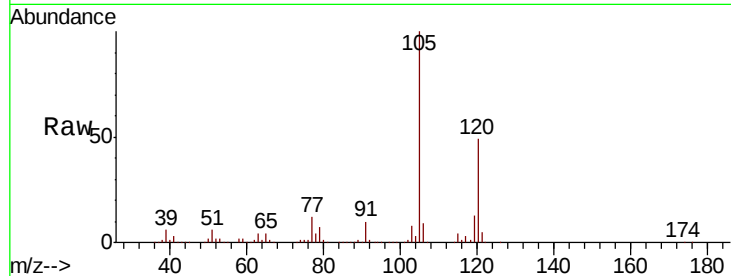




#80
 1,3,5-Trimethylbenzene
 Concen: 43.524 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

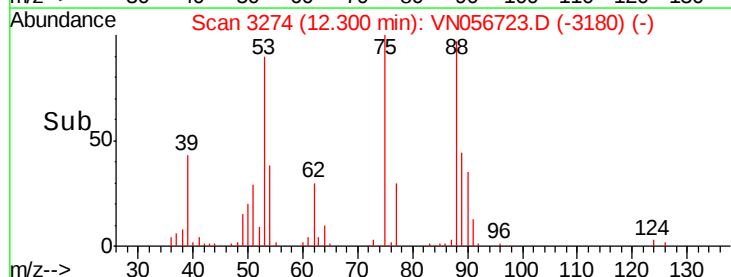
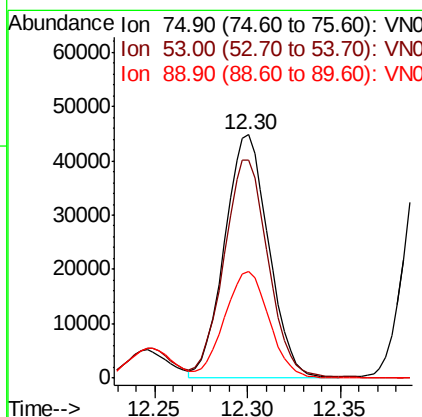
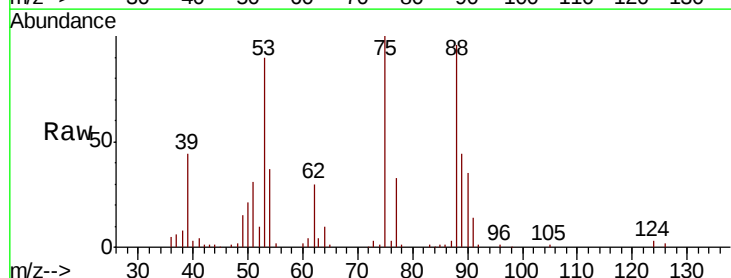
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

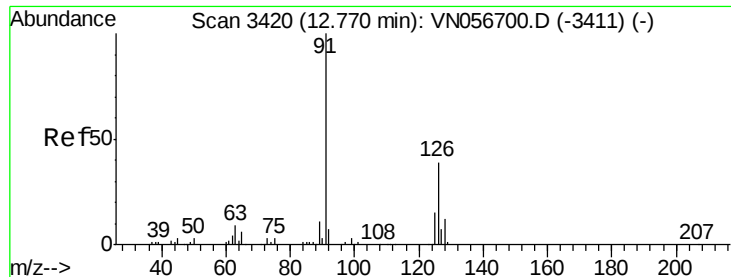
Tot Ion:105 Resp: 670340
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.8 74.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.444 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion: 75 Resp: 74130
 Ion Ratio Lower Upper
 75 100
 53 90.2 73.7 110.5
 89 44.0 36.2 54.2





#82

4-Chlorotoluene

Concen: 45.245 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

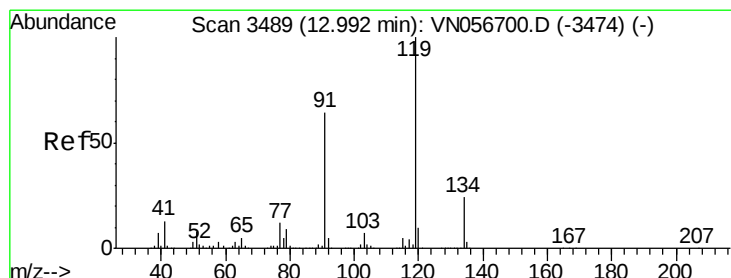
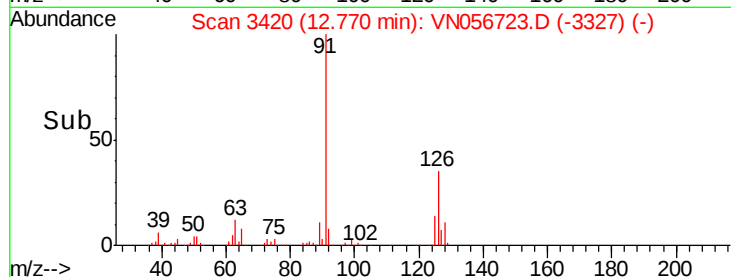
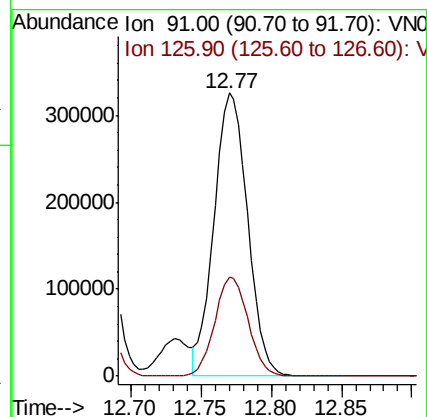
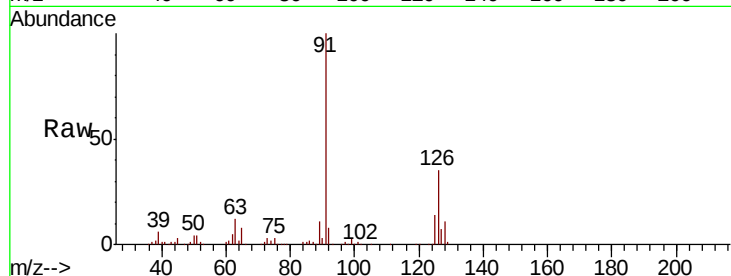
SA-TW532-2126MSD

Tot Ion: 91 Resp: 535673

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.8



#83

tert-Butylbenzene

Concen: 47.953 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

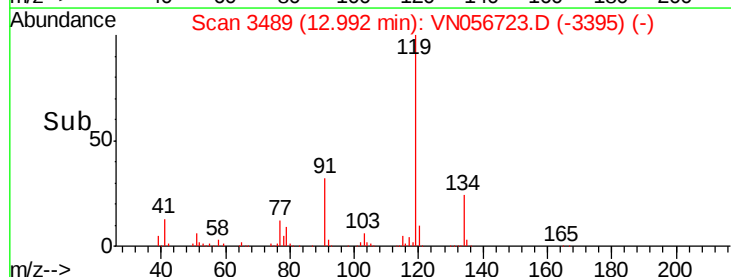
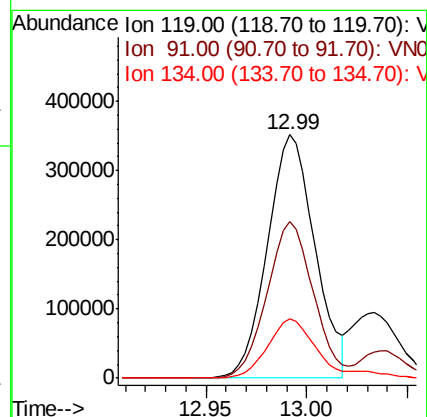
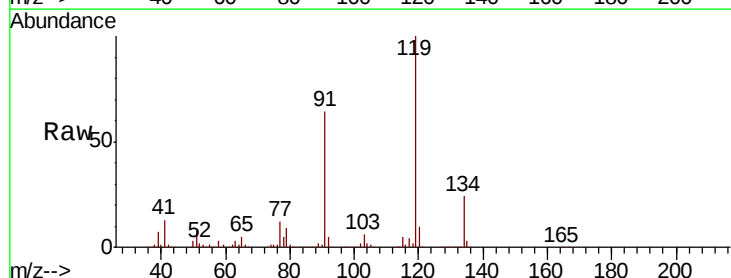
Tgt Ion: 119 Resp: 576438

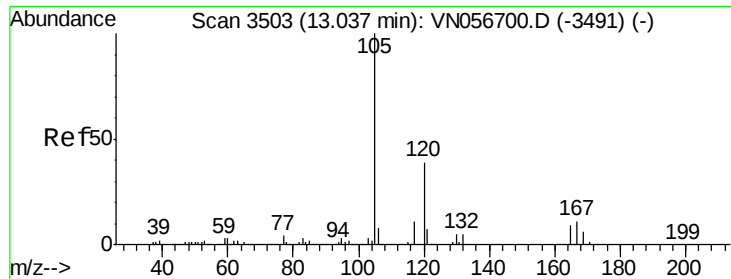
Ion Ratio Lower Upper

119 100

91 62.6 31.8 95.4

134 26.0 13.0 38.9

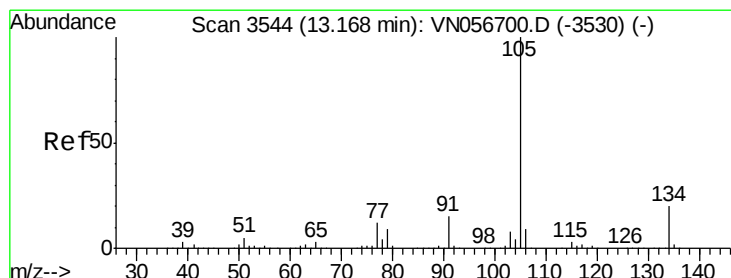
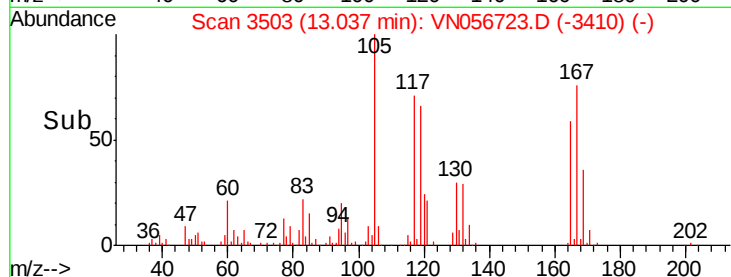
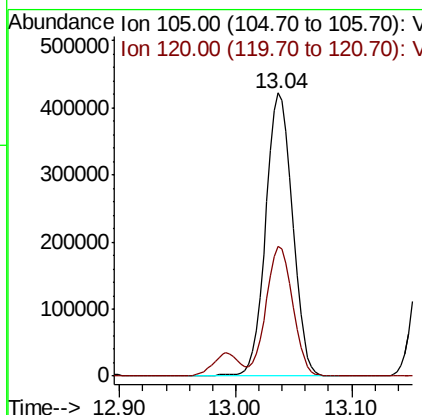
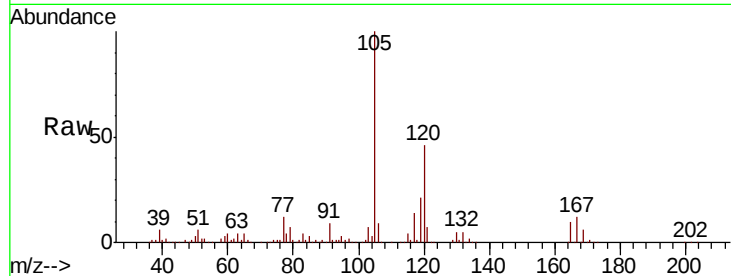




#84
 1,2,4-Trimethylbenzene
 Concen: 45.045 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

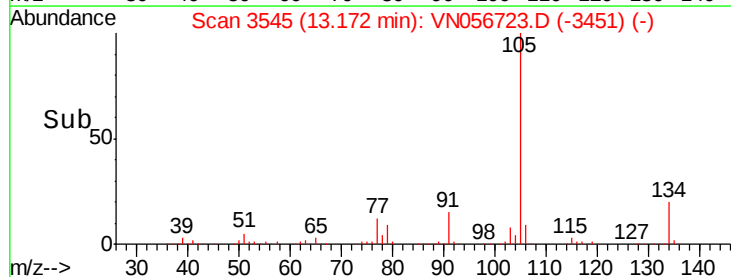
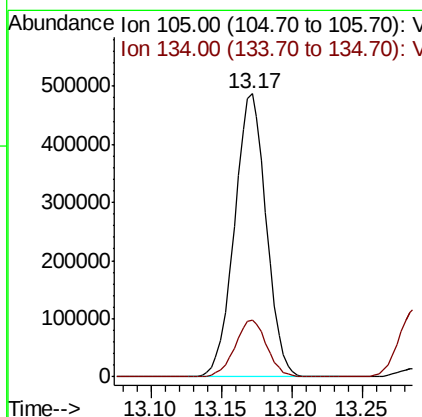
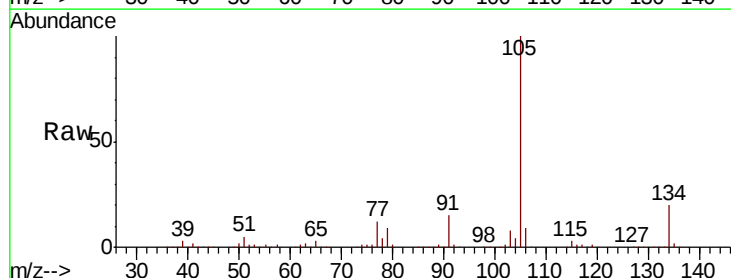
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

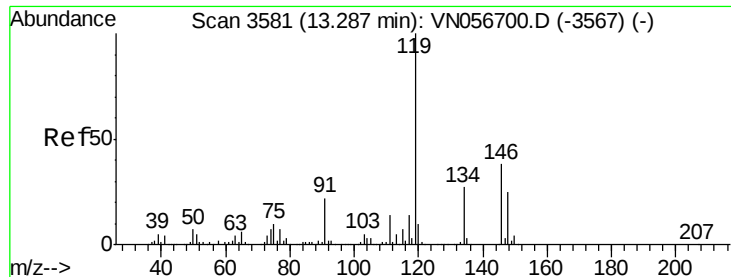
Tot Ion:105 Resp: 677765
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 44.669 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion:105 Resp: 764467
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1





#86

p-Isopropyltoluene

Concen: 44.727 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

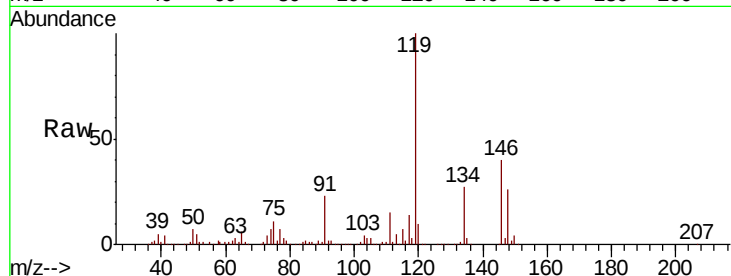
Tot Ion:119 Resp: 693427

Ion Ratio Lower Upper

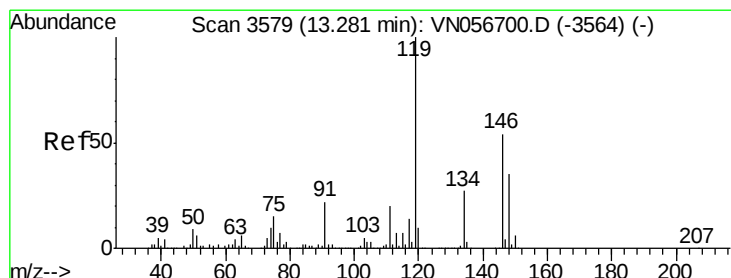
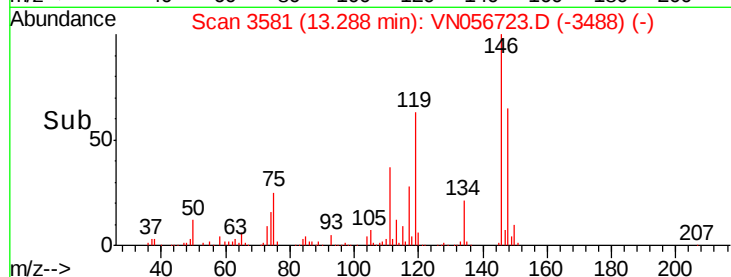
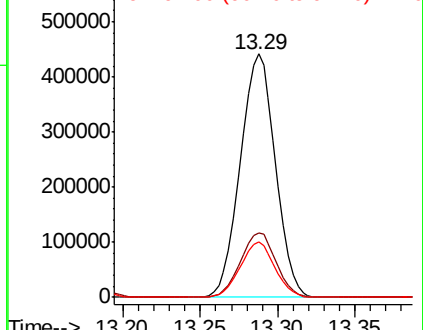
119 100

134 26.9 13.6 40.7

91 22.4 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 45.365 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

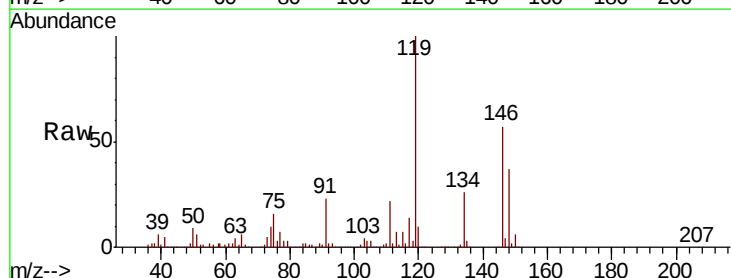
Tgt Ion:146 Resp: 353373

Ion Ratio Lower Upper

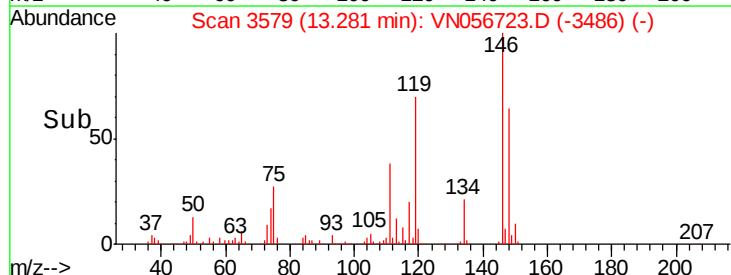
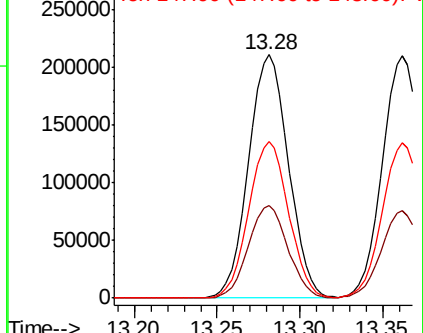
146 100

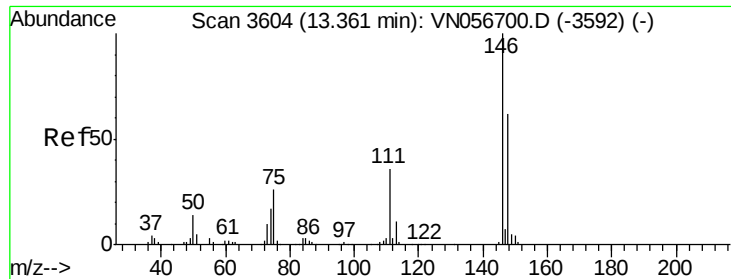
111 37.6 18.8 56.3

148 64.4 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

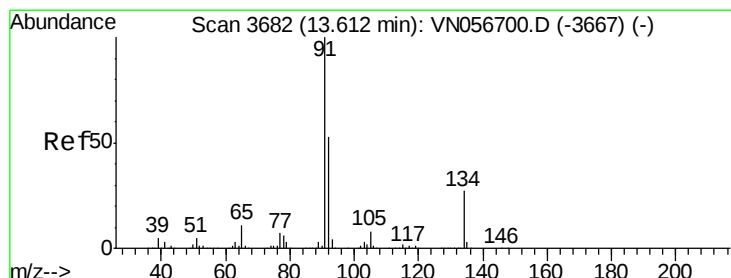
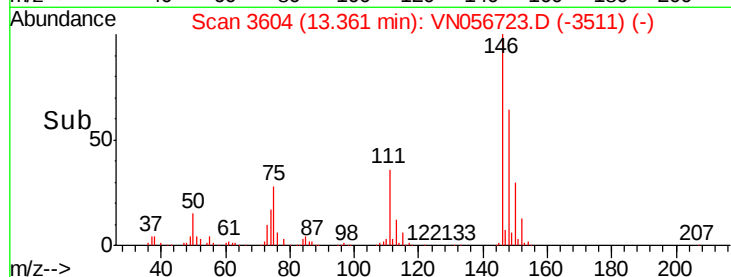
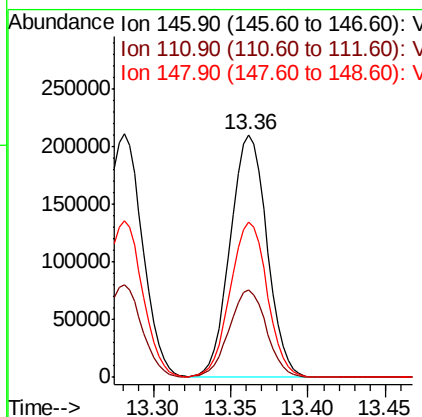
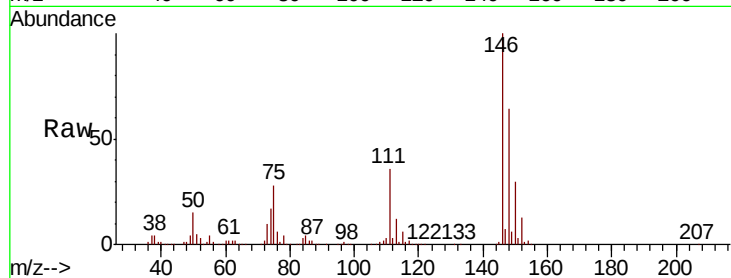




#88
 1,4-Dichlorobenzene
 Concen: 45.825 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

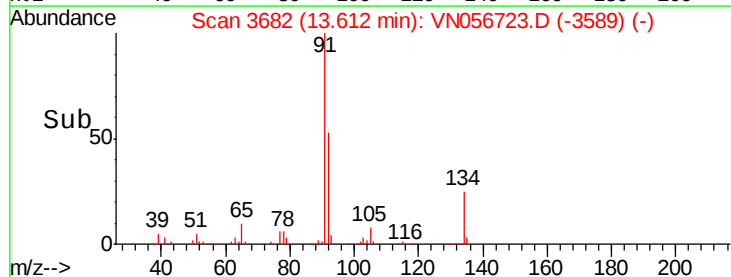
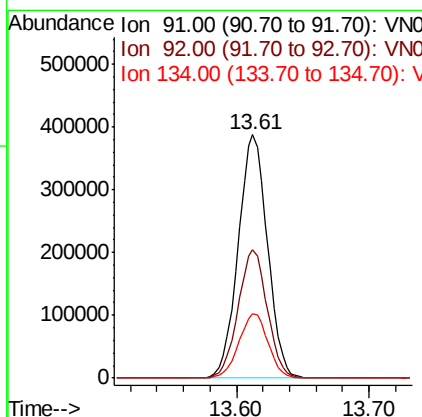
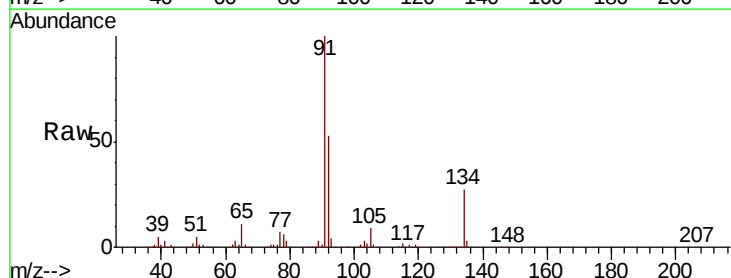
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

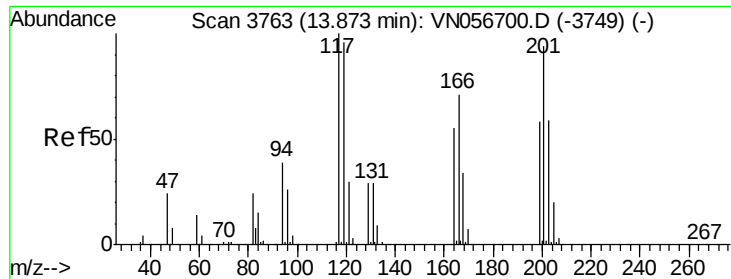
Tot Ion:146 Resp: 347220
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.6 55.8
 148 64.5 31.9 95.7



#89
 n-Butylbenzene
 Concen: 47.410 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Tgt Ion: 91 Resp: 592067
 Ion Ratio Lower Upper
 91 100
 92 52.6 26.0 78.0
 134 26.4 13.4 40.2





#90

Hexachloroethane

Concen: 44.827 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

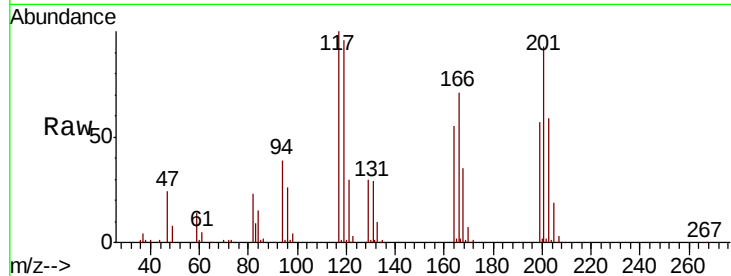
SA-TW532-2126MSD

Tot Ion:117 Resp: 112387

Ion Ratio Lower Upper

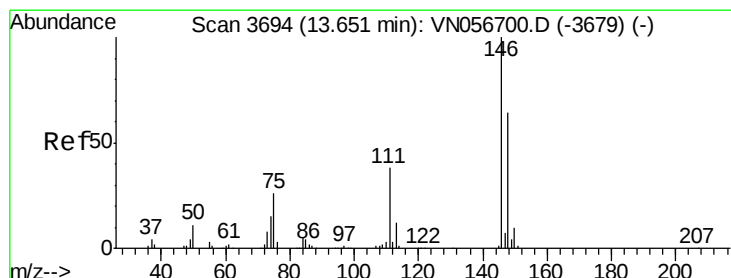
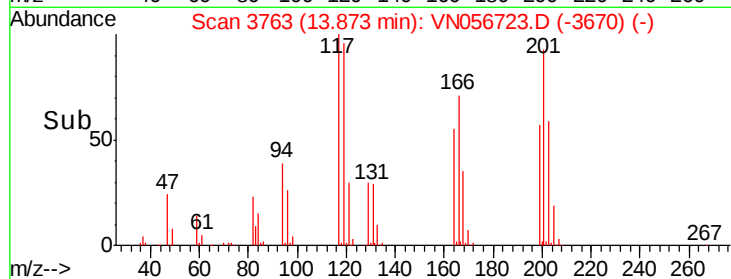
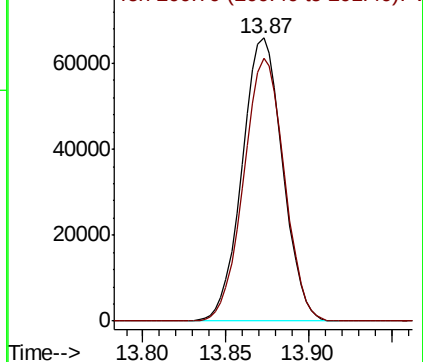
117 100

201 92.7 46.5 139.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 44.265 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

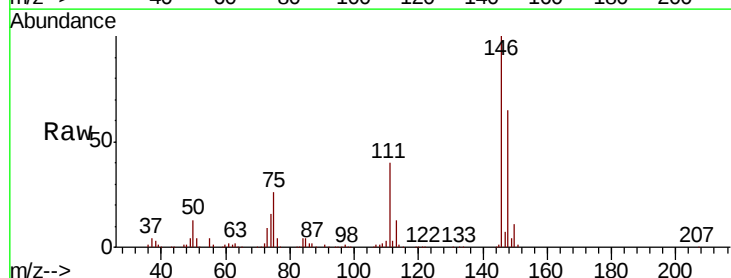
Tgt Ion:146 Resp: 352649

Ion Ratio Lower Upper

146 100

111 39.4 19.1 57.1

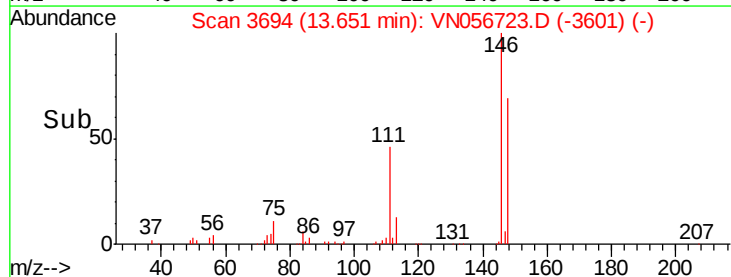
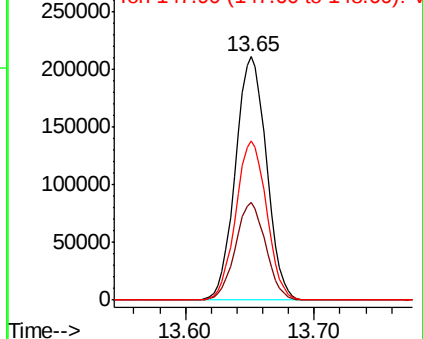
148 65.2 31.7 95.1

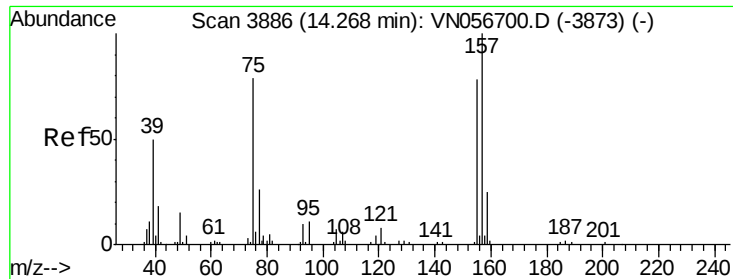


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.088 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

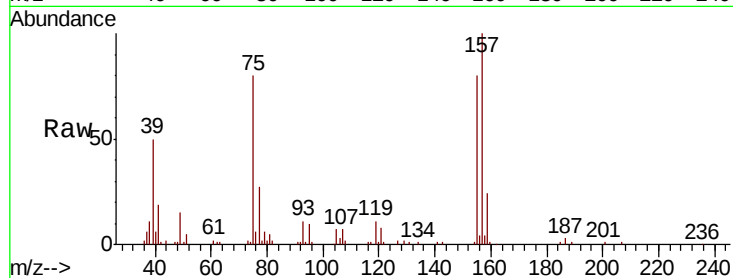
Tot Ion: 75 Resp: 44910

Ion Ratio Lower Upper

75 100

155 98.7 49.3 147.9

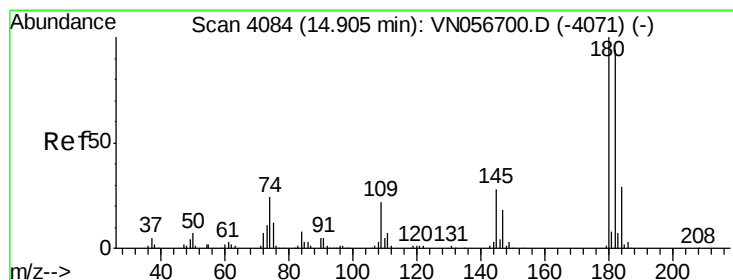
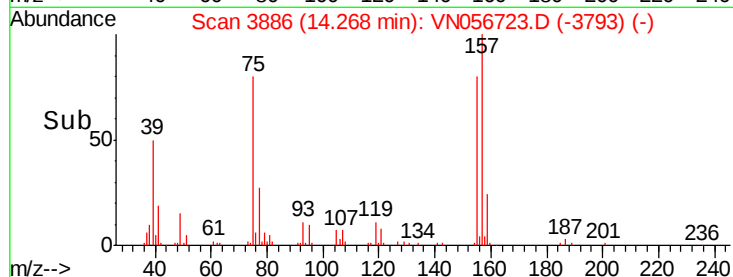
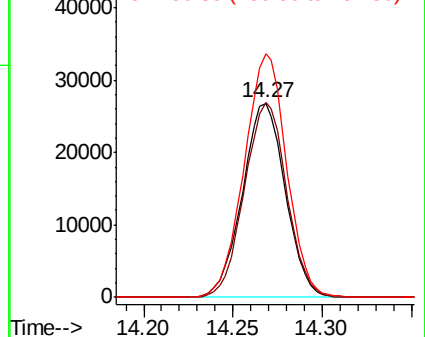
157 124.2 62.4 187.1



Abundance Ion 74.90 (74.60 to 75.60): VN056723.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN056723.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN056723.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 45.413 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

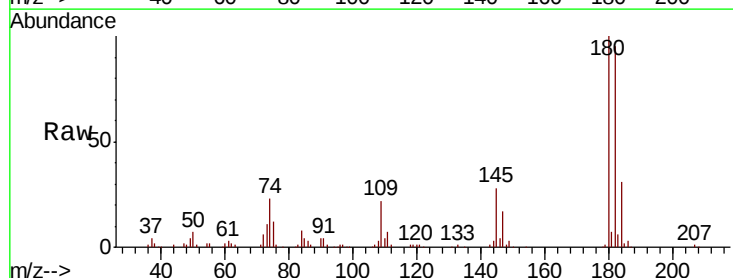
Tgt Ion: 180 Resp: 198268

Ion Ratio Lower Upper

180 100

182 95.5 47.2 141.6

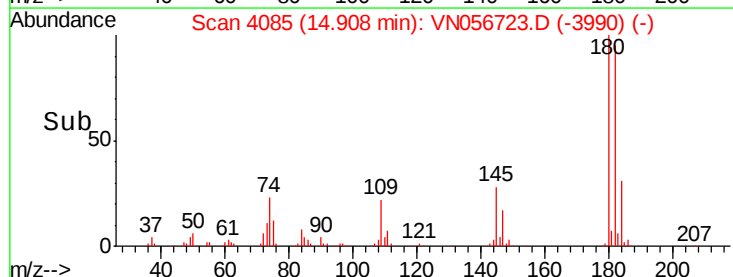
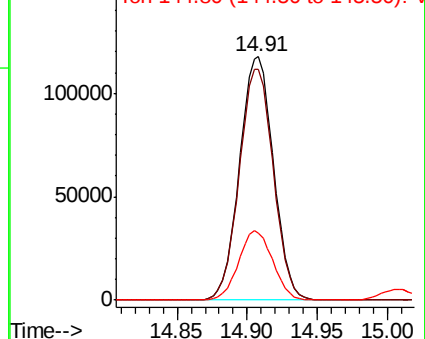
145 28.6 14.2 42.8

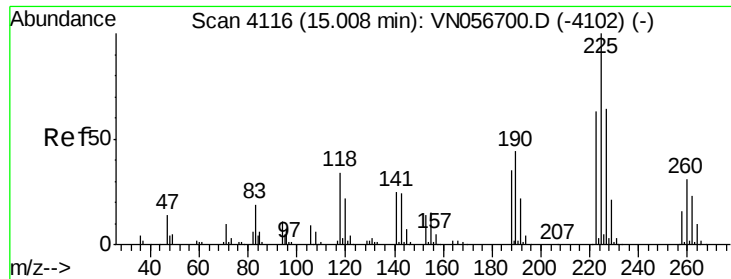


Abundance Ion 179.80 (179.50 to 180.50): VN056723.D (-3990) (-)

Ion 181.80 (181.50 to 182.50): VN056723.D (-3990) (-)

Ion 144.80 (144.50 to 145.50): VN056723.D (-3990) (-)





#94

Hexachlorobutadiene

Concen: 46.095 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MSD

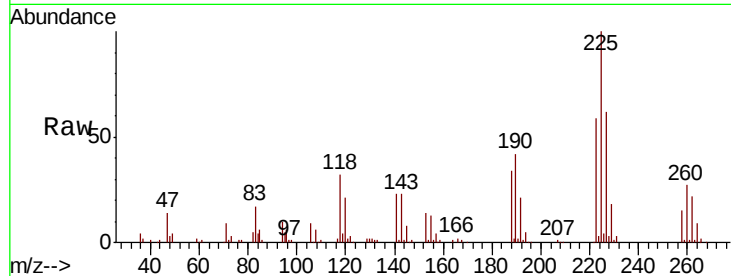
Tot Ion:225 Resp: 115628

Ion Ratio Lower Upper

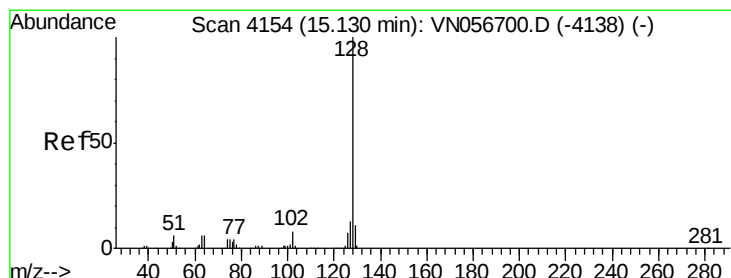
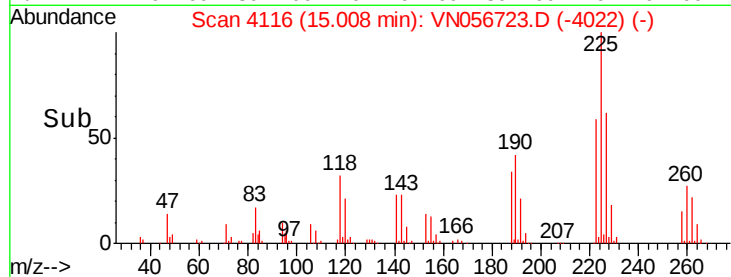
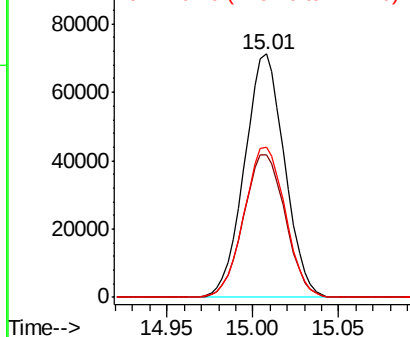
225 100

223 61.0 31.5 94.5

227 63.4 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 45.319 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056723.D

Acq: 15 Jul 2019 19:32

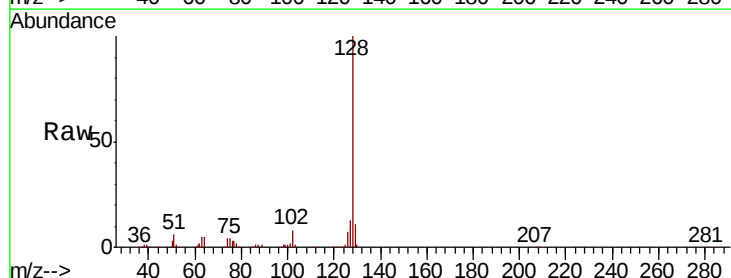
Tgt Ion:128 Resp: 541610

Ion Ratio Lower Upper

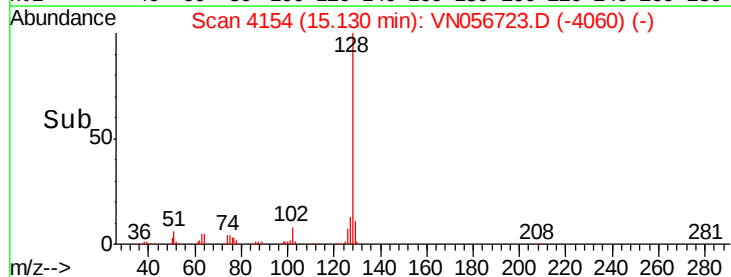
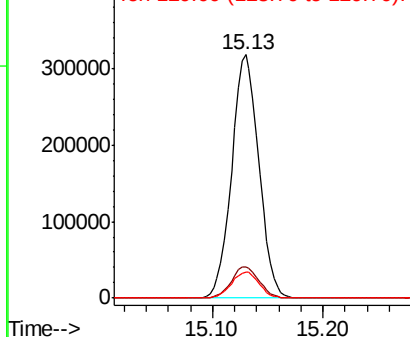
128 100

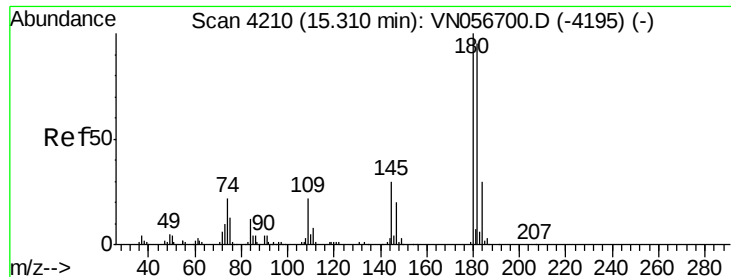
127 13.2 10.3 15.5

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

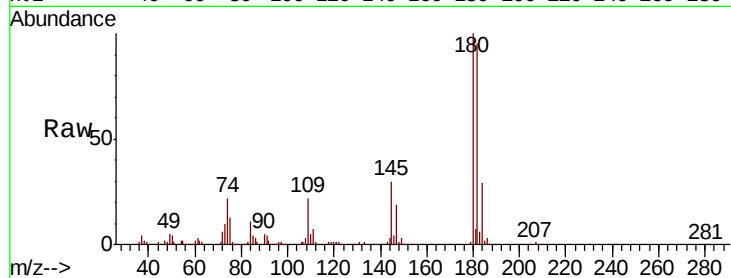




#96
 1,2,3-Trichlorobenzene
 Concen: 47.186 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN056723.D
 Acq: 15 Jul 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.3
145	29.6	15.0	45.1



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

