

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056722.D
 Acq On : 15 Jul 2019 19:09
 Operator : JC/SP
 Sample : K3817-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Quant Time: Jul 16 04:25:04 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	333983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	516961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	472710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	193654	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	7.59	113	171461	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
50) Toluene-d8	10.09	98	662876	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.40	95	231649	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	148091	47.222	ug/l	100
3) Chloromethane	2.06	50	194674	46.172	ug/l	100
4) Vinyl Chloride	2.18	62	193307	47.610	ug/l	99
5) Bromomethane	2.56	94	118275	49.536	ug/l	95
6) Chloroethane	2.70	64	109365	46.224	ug/l	99
7) Trichlorofluoromethane	3.01	101	250914	48.161	ug/l	99
8) Diethyl Ether	3.41	74	98627	48.556	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153486	49.036	ug/l	100
10) Methyl Iodide	3.95	142	208090	49.703	ug/l	100
11) Tert butyl alcohol	4.79	59	135061	219.641	ug/l	100
12) 1,1-Dichloroethene	3.74	96	155072	49.392	ug/l	98
13) Acrolein	3.61	56	52415	249.583	ug/l	100
14) Allyl chloride	4.32	41	262908	48.421	ug/l	98
15) Acrylonitrile	4.99	53	438500	246.932	ug/l	99
16) Acetone	3.82	43	338529	198.850	ug/l	99
17) Carbon Disulfide	4.05	76	404541	48.759	ug/l	100
18) Methyl Acetate	4.33	43	171123	44.651	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	494491	49.431	ug/l	100
20) Methylene Chloride	4.55	84	181763	48.856	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	166959	50.308	ug/l	98
22) Diisopropyl ether	5.95	45	538902	50.284	ug/l	97
23) Vinyl Acetate	5.90	43	2142521	246.701	ug/l	99
24) 1,1-Dichloroethane	5.85	63	309968	49.885	ug/l	99
25) 2-Butanone	6.84	43	571969	229.802	ug/l	99
26) 2,2-Dichloropropane	6.83	77	207135	46.233	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	195454	51.182	ug/l	99
28) Bromochloromethane	7.19	49	147469	50.477	ug/l	100
29) Tetrahydrofuran	7.21	42	400052	246.432	ug/l	98
30) Chloroform	7.37	83	302440	48.640	ug/l	98
31) Cyclohexane	7.65	56	289217	48.972	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	249395	50.717	ug/l	100
36) 1,1-Dichloropropene	7.79	75	232198	48.539	ug/l	99
37) Ethyl Acetate	6.93	43	227083	48.163	ug/l	100
38) Carbon Tetrachloride	7.78	117	218726	48.755	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	287544	48.680	ug/l	99
40) Benzene	8.04	78	718635	49.028	ug/l	99
41) Methacrylonitrile	7.21	41	341233	164.764	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	226585	48.912	ug/l	99
43) Isopropyl Acetate	8.17	43	358750	48.400	ug/l	100
44) Trichloroethene	8.84	130	193924	48.720	ug/l	98
45) 1,2-Dichloropropane	9.12	63	192872	49.520	ug/l	100
46) Dibromomethane	9.21	93	122508	50.757	ug/l	98
47) Bromodichloromethane	9.40	83	233325	50.872	ug/l	98
48) Methyl methacrylate	9.20	41	180155	50.258	ug/l	99
49) 1,4-Dioxane	9.20	88	55479	754.279	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1191037	248.095	ug/l	100
52) Toluene	10.16	92	439720	50.514	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	244001	50.991	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	278594	50.172	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	176824	48.430	ug/l	99
56) Ethyl methacrylate	10.43	69	274352	52.223	ug/l	99
57) 1,3-Dichloropropane	10.71	76	298076	49.986	ug/l	99
59) 2-Hexanone	10.75	43	854164	247.965	ug/l	99
60) Dibromochloromethane	10.90	129	186998	52.077	ug/l	99
61) 1,2-Dibromoethane	11.00	107	185640	51.162	ug/l	98
64) Tetrachloroethene	10.63	164	187693	46.024	ug/l	98
65) Chlorobenzene	11.43	112	469342	48.558	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	171742	48.258	ug/l	99
67) Ethyl Benzene	11.51	91	832677	49.020	ug/l	100
68) m/p-Xylenes	11.62	106	623693	98.246	ug/l	100
69) o-Xylene	11.95	106	302449	48.461	ug/l	99
70) Styrene	11.96	104	513375	50.879	ug/l	99
71) Bromoform	12.13	173	139154	51.390	ug/l #	99
73) Isopropylbenzene	12.25	105	801201	44.739	ug/l	100
74) N-amyl acetate	12.07	43	285798	42.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	254842	49.108	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	310101	63.836	ug/l #	100
77) Bromobenzene	12.53	156	211446	45.141	ug/l	98
78) n-propylbenzene	12.59	91	905230	45.531	ug/l	100
79) 2-Chlorotoluene	12.67	91	534750	48.628	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	673334	44.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72096	45.835	ug/l	99
82) 4-Chlorotoluene	12.77	91	533781	45.749	ug/l	99
83) tert-Butylbenzene	12.99	119	573479	48.423	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	675375	45.548	ug/l	99
85) sec-Butylbenzene	13.17	105	765462	45.386	ug/l	100
86) p-Isopropyltoluene	13.29	119	695054	45.492	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	351331	45.767	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	342797	45.908	ug/l	99
89) n-Butylbenzene	13.61	91	591943	48.098	ug/l	100
90) Hexachloroethane	13.87	117	111443	45.105	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	350291	44.616	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44806	46.658	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	189047	44.059	ug/l	100

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:25:25 2019
Response via : Initial Calibration

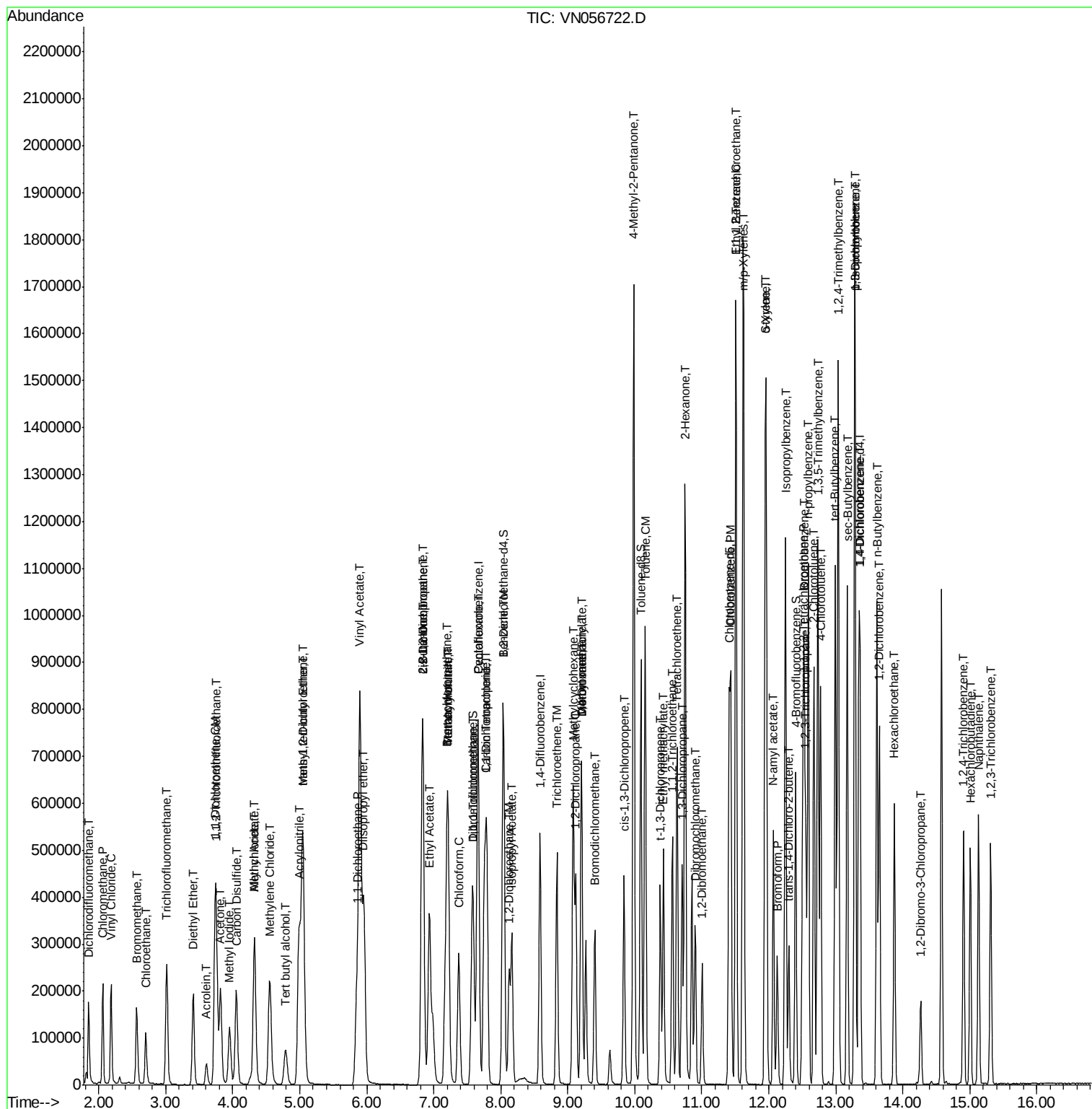
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	111249	44.971	ug/l	100
95) Naphthalene	15.13	128	502293	42.915	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	192372	45.025	ug/l	98

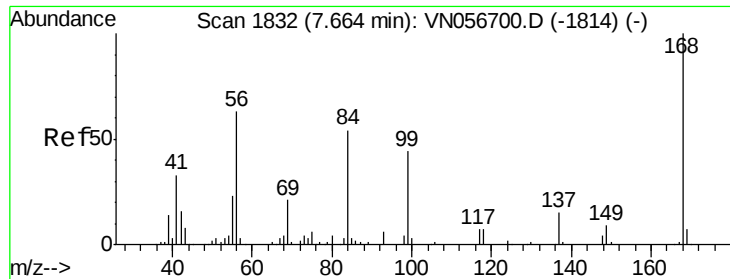
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

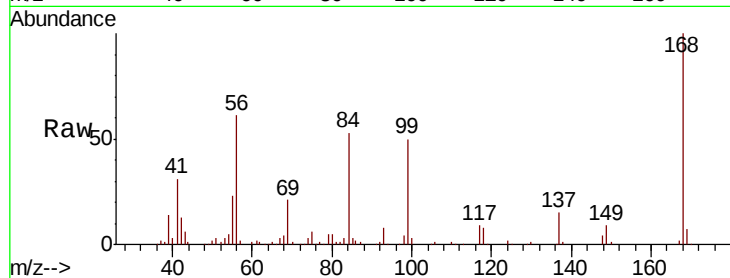
SA-TW532-2126MS

Tot Ion:168 Resp: 333983

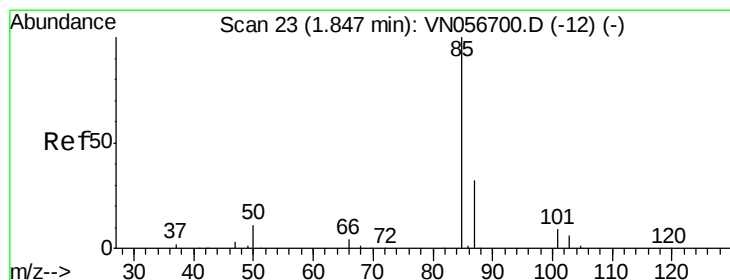
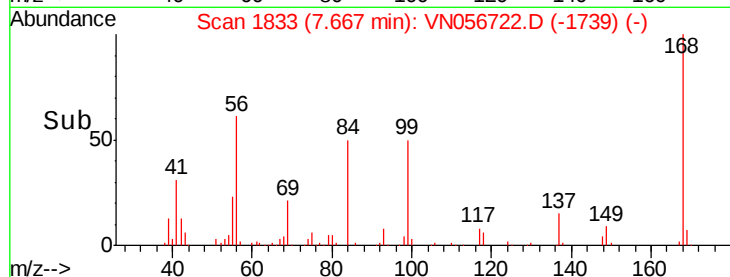
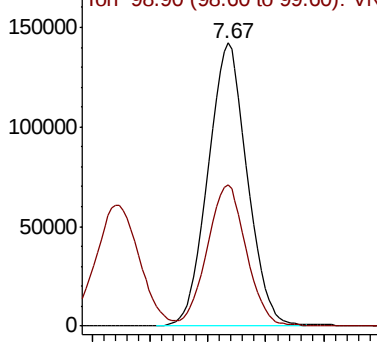
Ion Ratio Lower Upper

168 100

99 49.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056722.D (-1739) (-)



#2

Dichlorodifluoromethane

Concen: 47.222 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056722.D

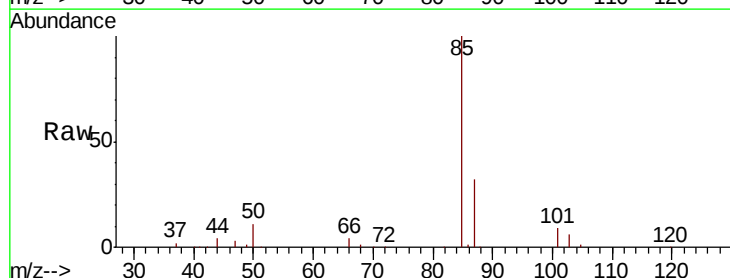
Acq: 15 Jul 2019 19:09

Tgt Ion: 85 Resp: 148091

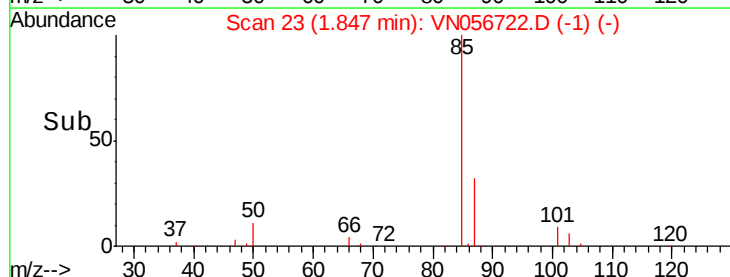
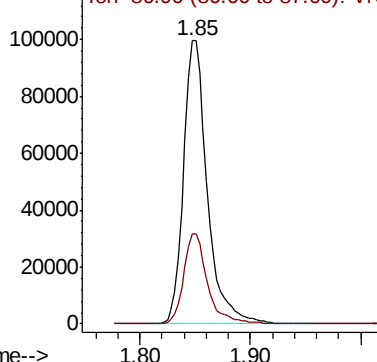
Ion Ratio Lower Upper

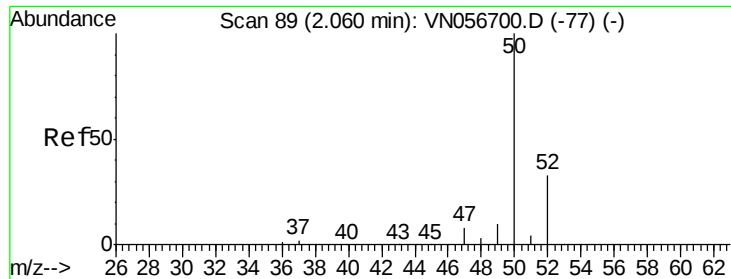
85 100

87 31.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN056722.D (-1) (-)





#3

Chloromethane

Concen: 46.172 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

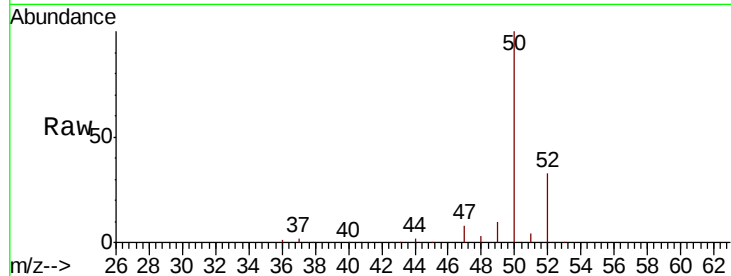
SA-TW532-2126MS

Tot Ion: 50 Resp: 194674

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

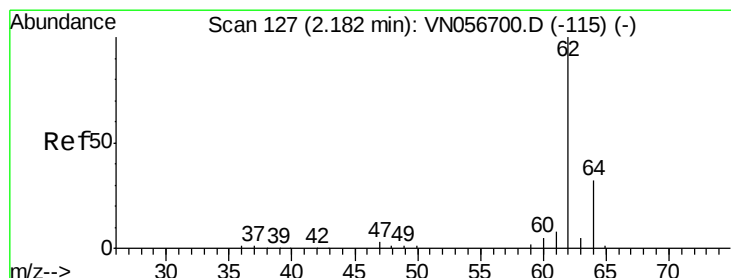
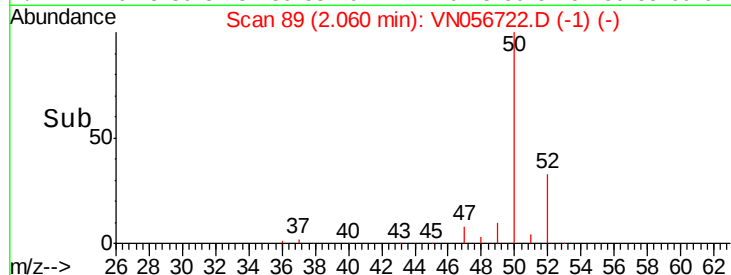
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.610 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056722.D

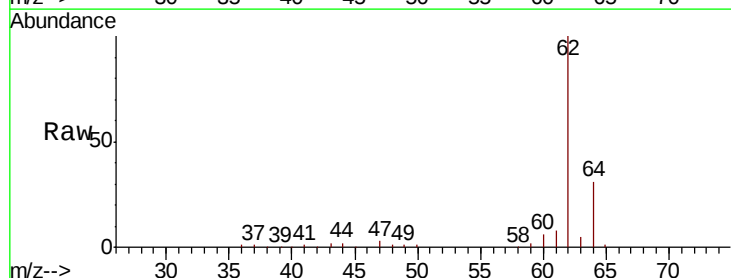
Acq: 15 Jul 2019 19:09

Tgt Ion: 62 Resp: 193307

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

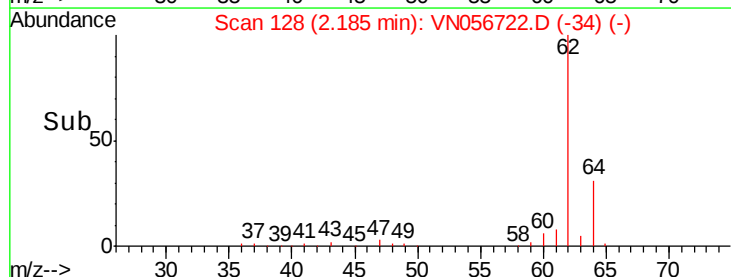
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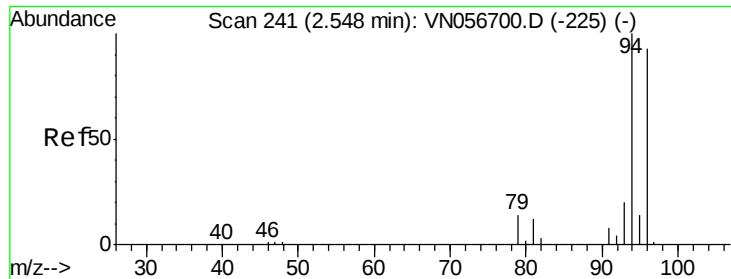
100000

50000

0

Time-->





#5

Bromomethane

Concen: 49.536 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.02 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

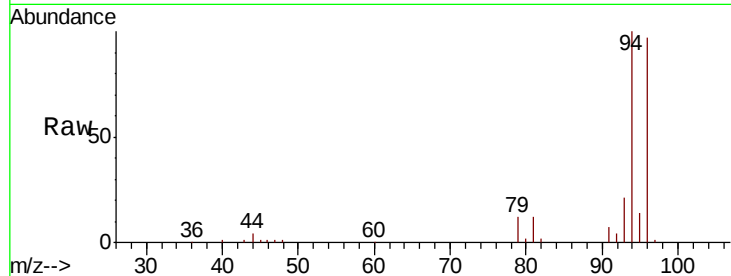
SA-TW532-2126MS

Tot Ion: 94 Resp: 118275

Ion Ratio Lower Upper

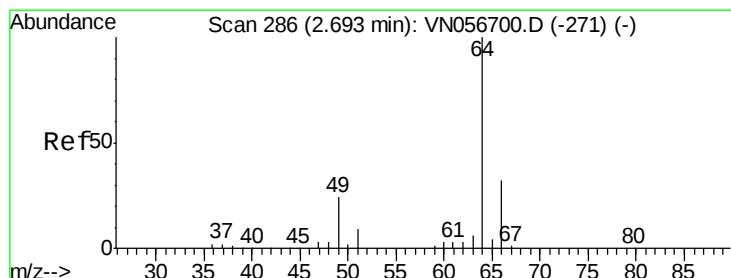
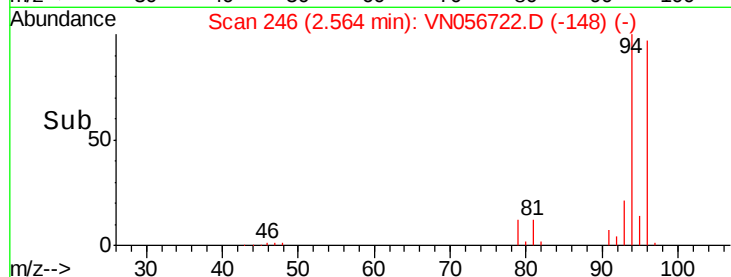
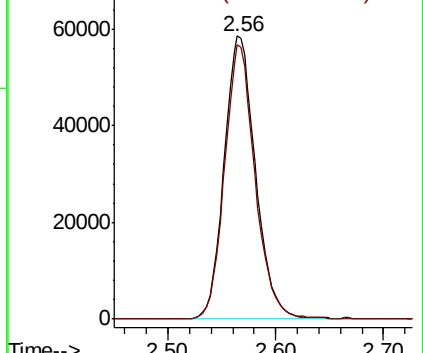
94 100

96 96.9 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.224 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.01 min

Lab File: VN056722.D

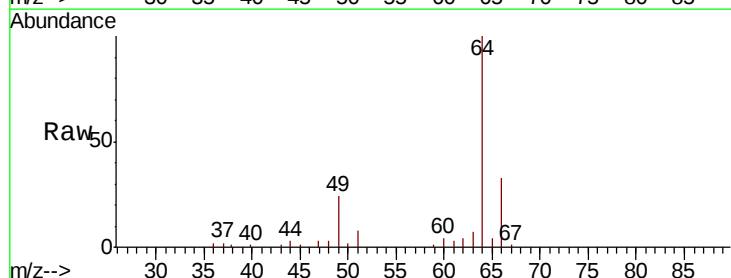
Acq: 15 Jul 2019 19:09

Tgt Ion: 64 Resp: 109365

Ion Ratio Lower Upper

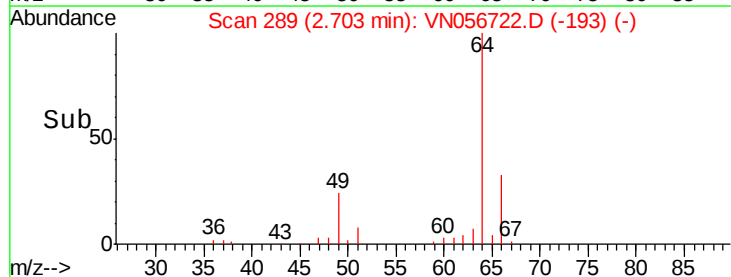
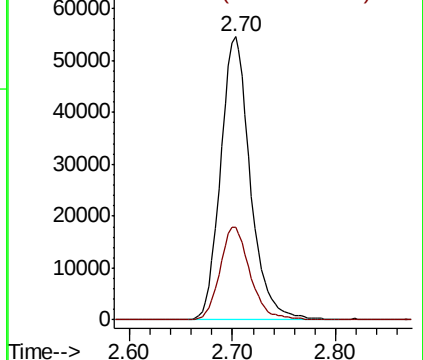
64 100

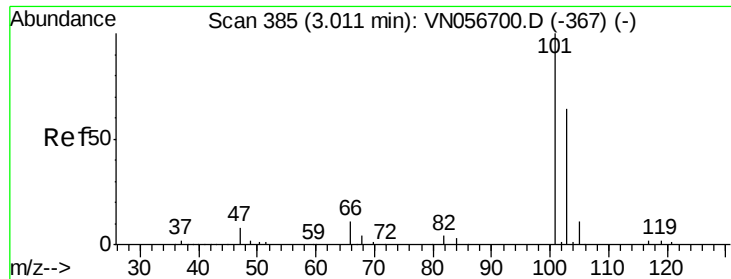
66 32.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



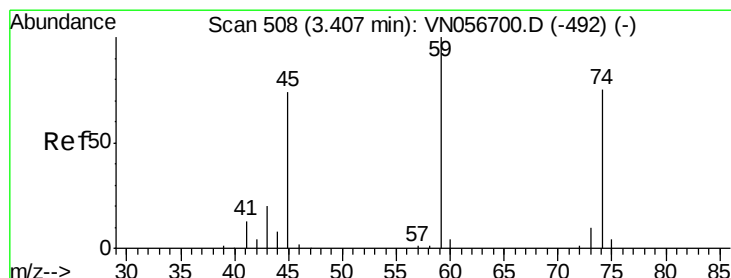
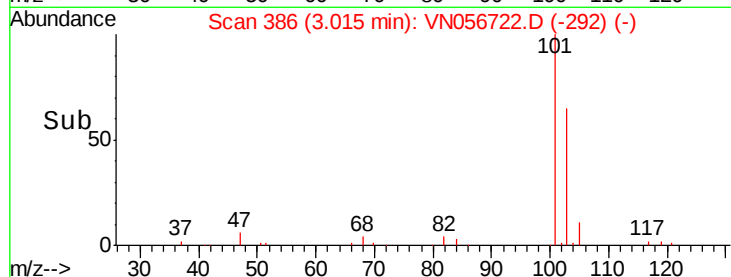
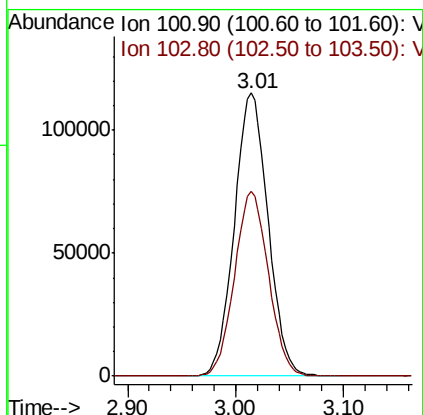
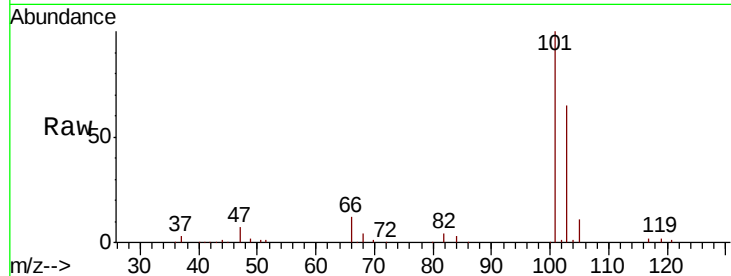


#7

Trichlorofluoromethane
Concen: 48.161 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

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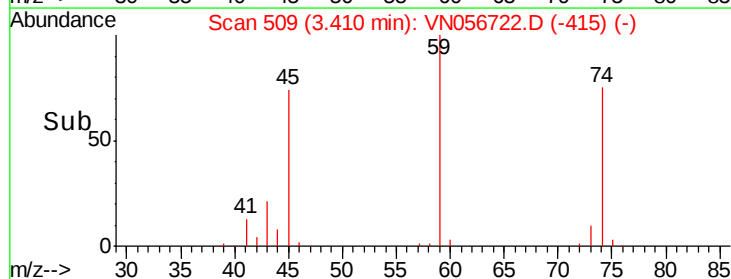
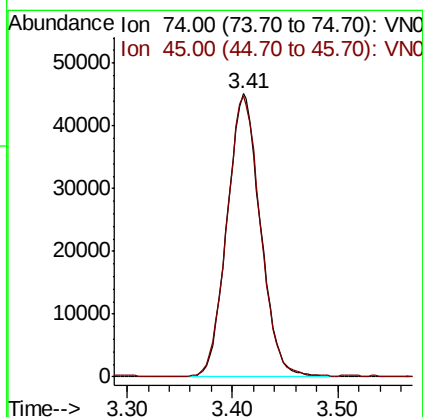
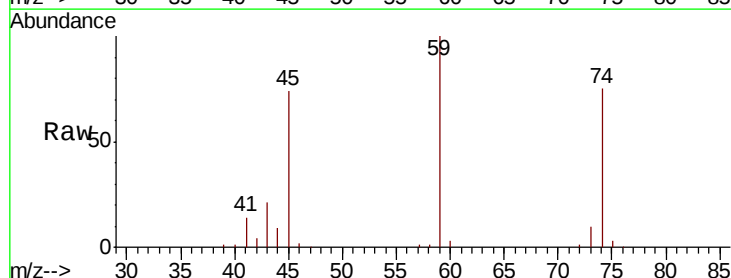
Tot Ion:101 Resp: 250914
Ion Ratio Lower Upper
101 100
103 65.3 51.5 77.3

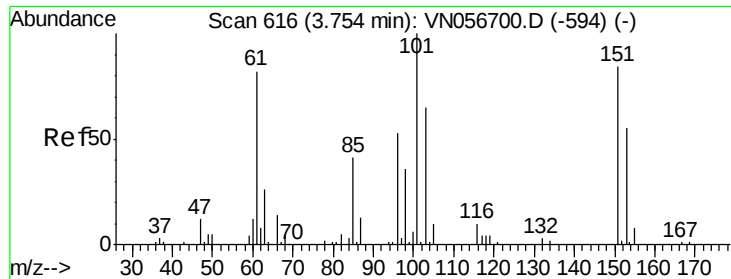


#8

Diethyl Ether
Concen: 48.556 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 74 Resp: 98627
Ion Ratio Lower Upper
74 100
45 100.0 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.036 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

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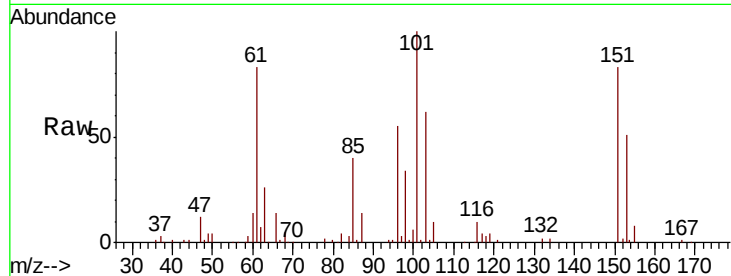
Tot Ion:101 Resp: 153486

Ion Ratio Lower Upper

101 100

85 40.9 33.3 49.9

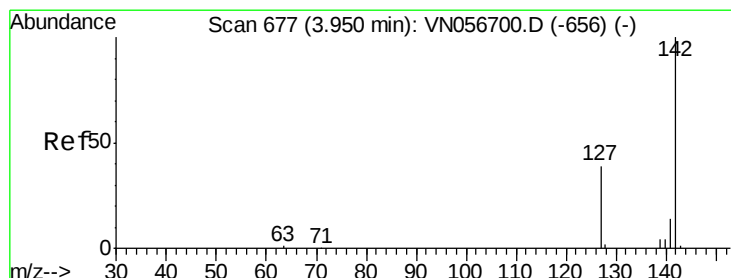
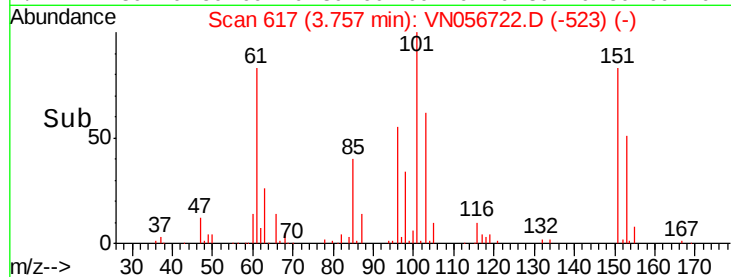
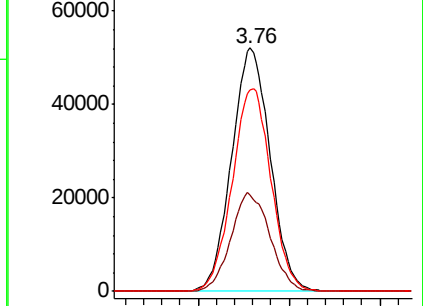
151 83.8 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.703 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

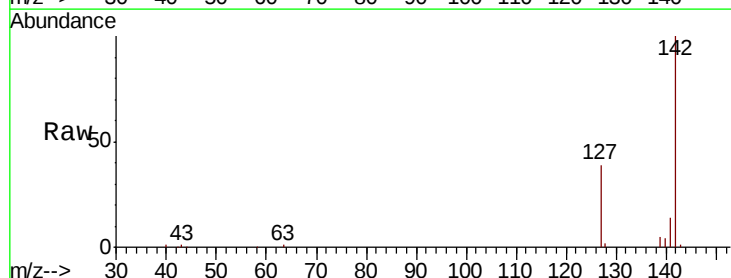
Tgt Ion:142 Resp: 208090

Ion Ratio Lower Upper

142 100

127 38.7 30.7 46.1

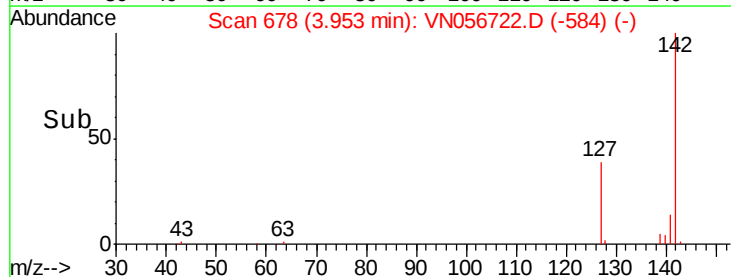
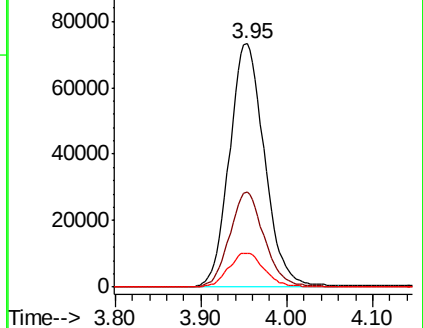
141 14.1 11.3 16.9

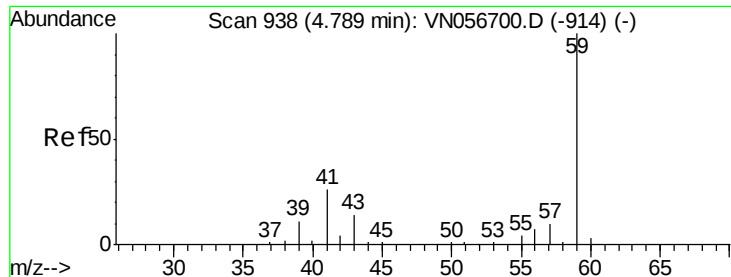


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

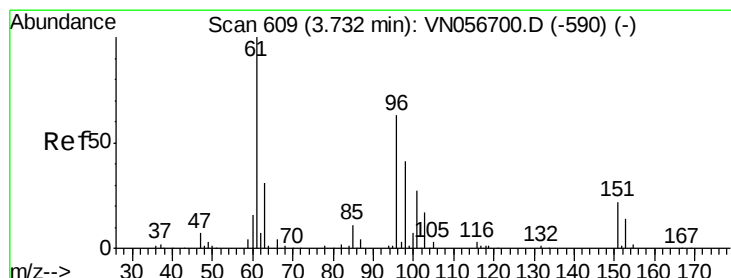
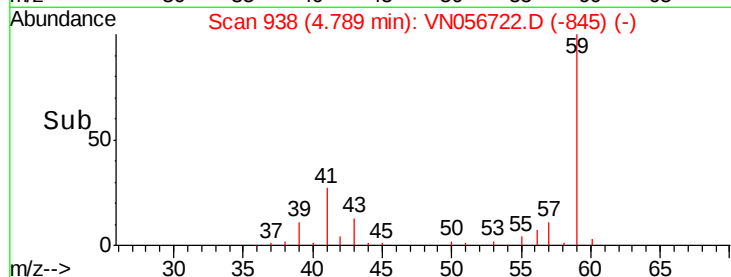
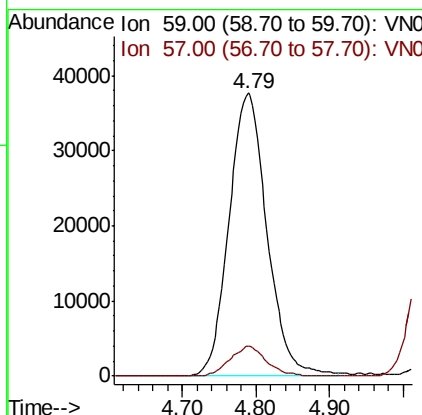
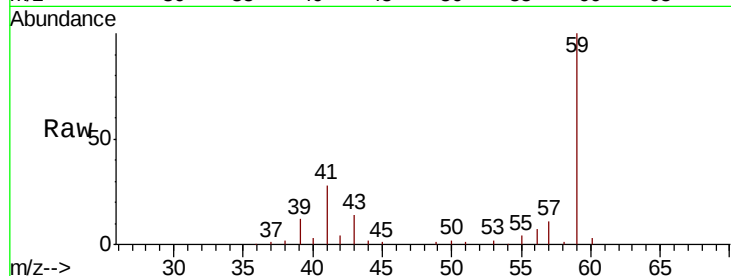




#11
Tert butyl alcohol
Concen: 219.641 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

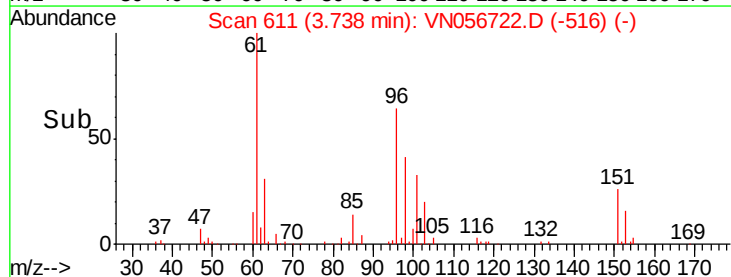
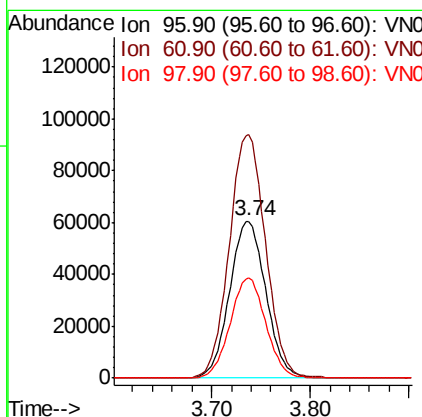
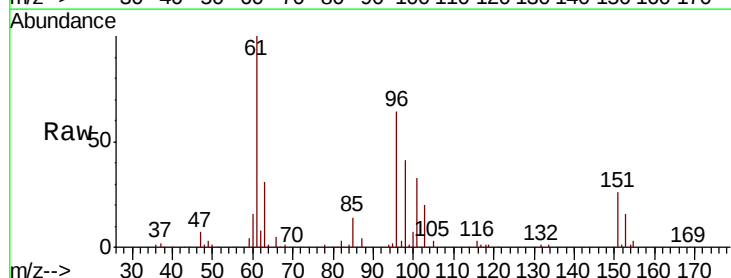
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

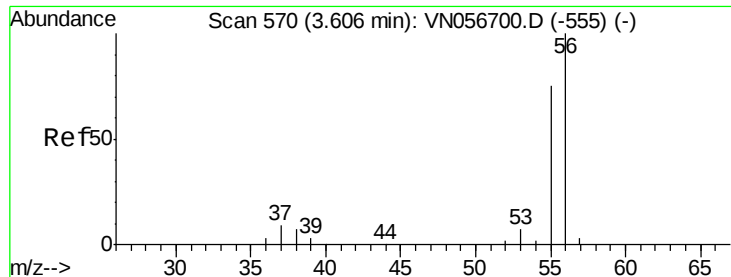
Tot Ion: 59 Resp: 135061
Ion Ratio Lower Upper
59 100
57 10.1 8.0 12.0



#12
1,1-Dichloroethene
Concen: 49.392 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 96 Resp: 155072
Ion Ratio Lower Upper
96 100
61 155.4 126.6 189.8
98 64.1 51.4 77.2





#13

Acrolein

Concen: 249.583 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

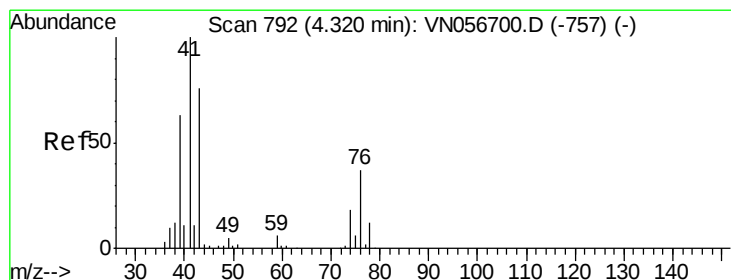
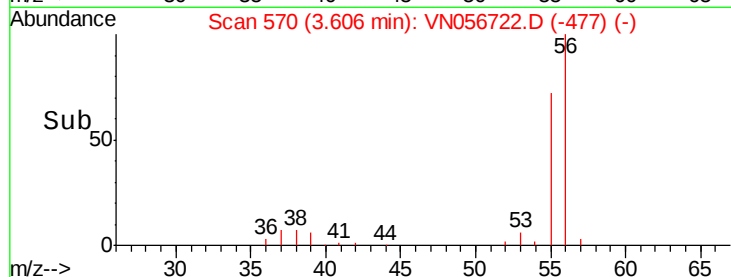
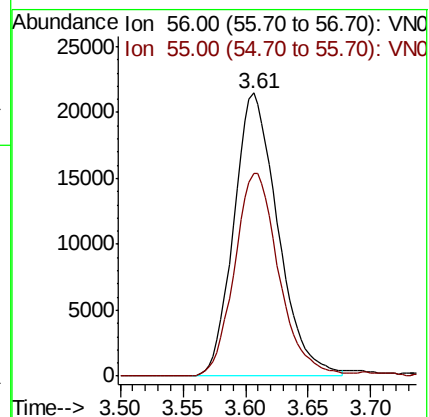
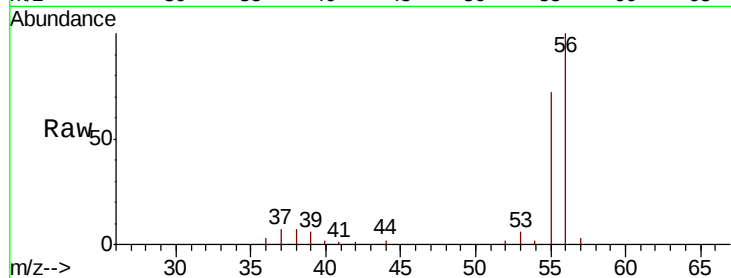
SA-TW532-2126MS

Tot Ion: 56 Resp: 52415

Ion Ratio Lower Upper

56 100

55 72.1 58.0 87.0



#14

Allyl chloride

Concen: 48.421 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

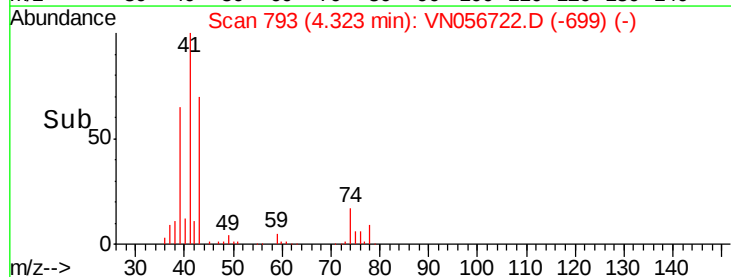
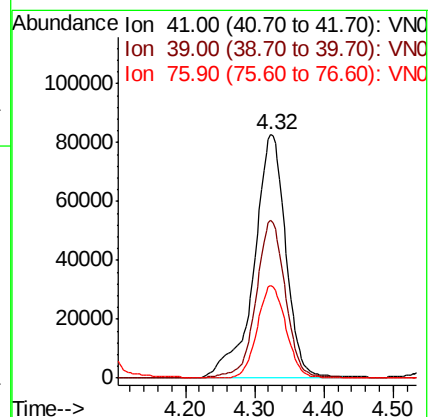
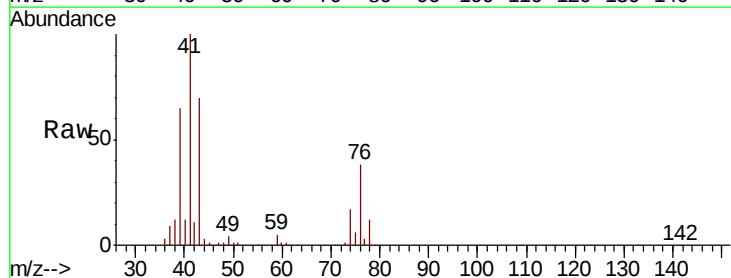
Tgt Ion: 41 Resp: 262908

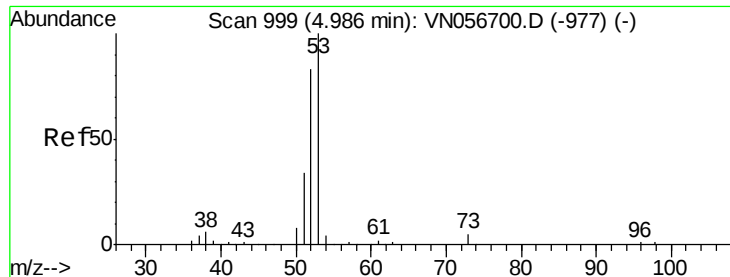
Ion Ratio Lower Upper

41 100

39 59.8 46.9 70.3

76 34.3 26.5 39.7





#15

Acrylonitrile

Concen: 246.932 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

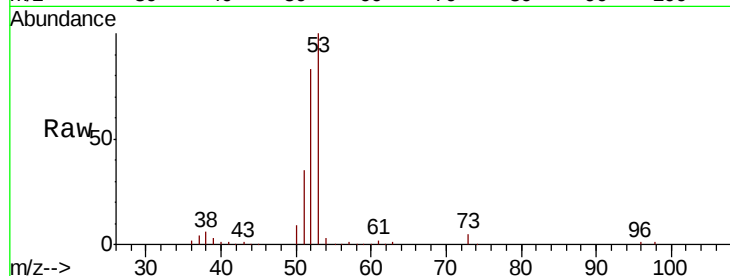
Tot Ion: 53 Resp: 438500

Ion Ratio Lower Upper

53 100

52 81.6 66.6 99.8

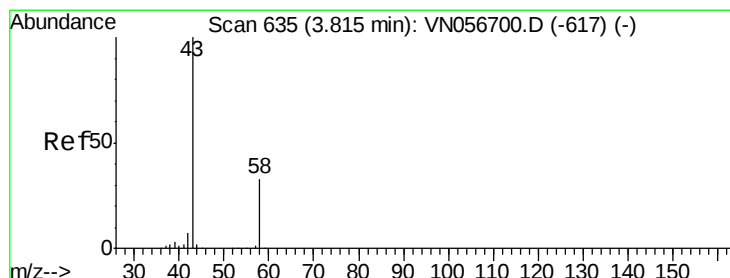
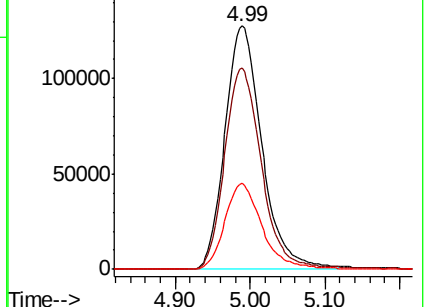
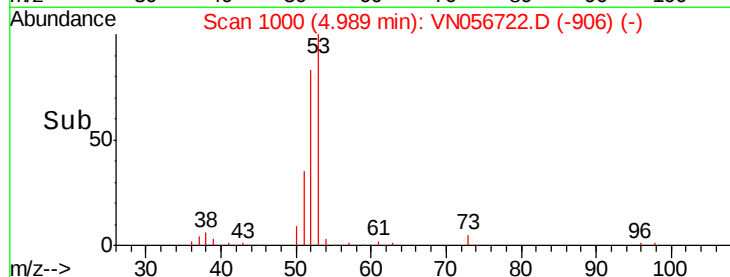
51 35.5 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056722.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN056722.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN056722.D (-906) (-)



#16

Acetone

Concen: 198.850 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056722.D

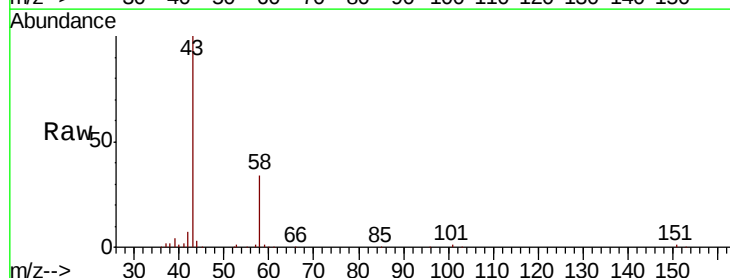
Acq: 15 Jul 2019 19:09

Tgt Ion: 43 Resp: 338529

Ion Ratio Lower Upper

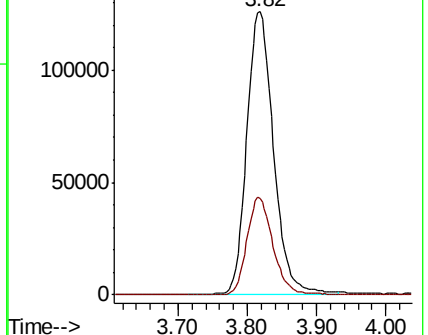
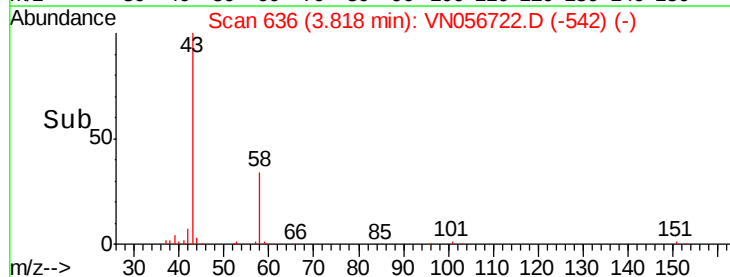
43 100

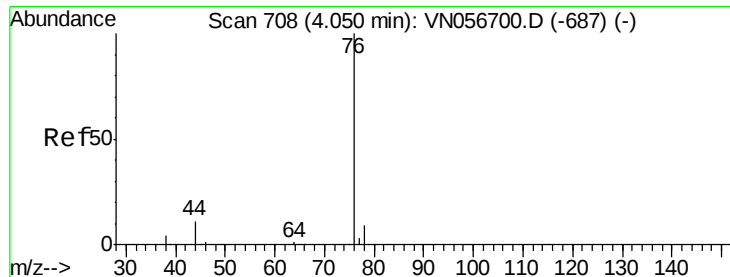
58 34.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056722.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056722.D (-542) (-)

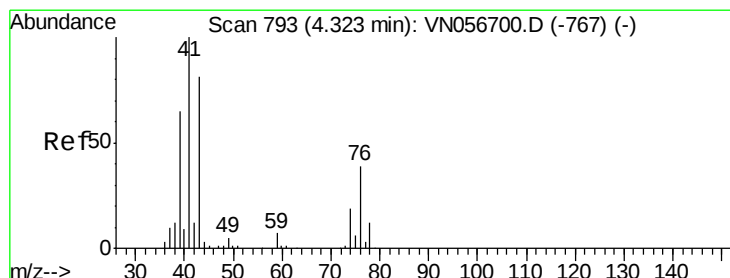
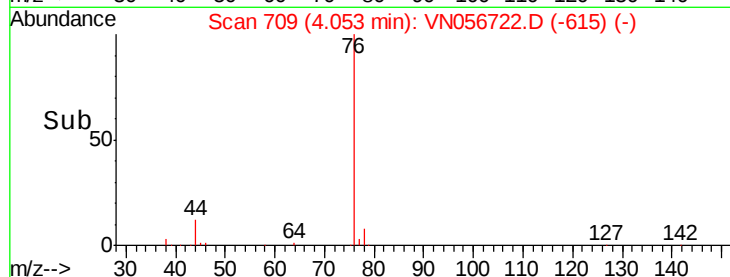
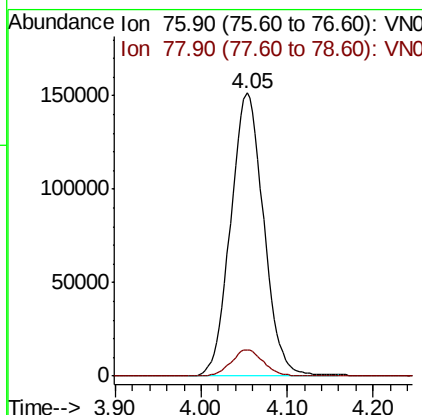
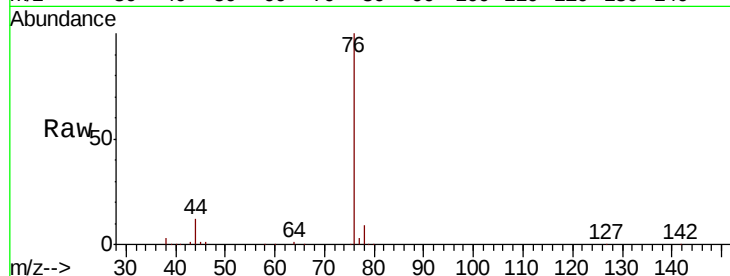




#17
Carbon Disulfide
Concen: 48.759 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

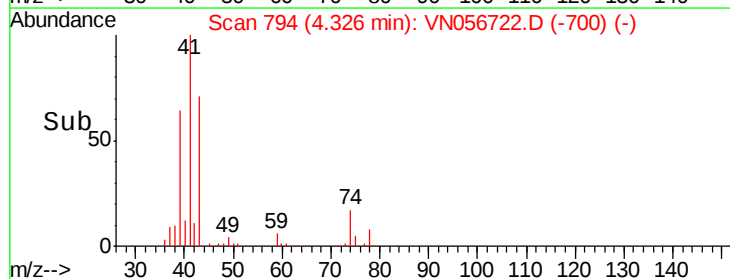
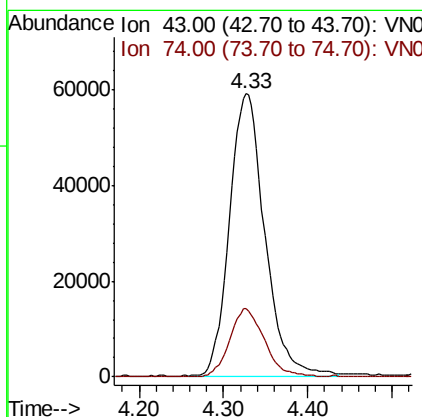
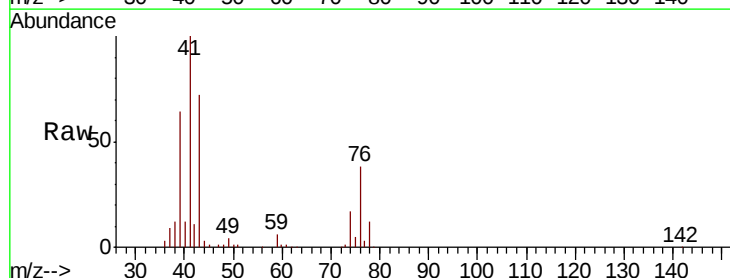
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

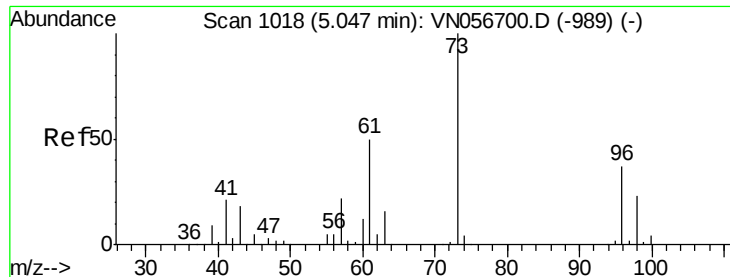
Tot Ion: 76 Resp: 404541
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 44.651 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 43 Resp: 171123
Ion Ratio Lower Upper
43 100
74 24.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 49.431 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

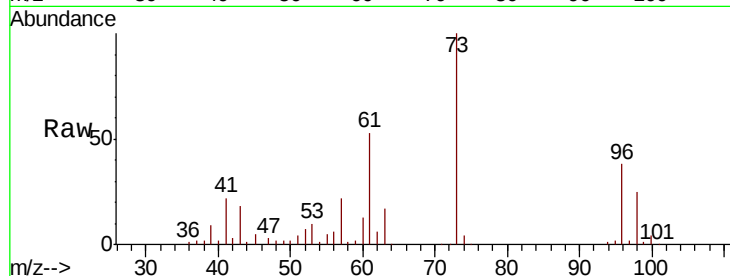
SA-TW532-2126MS

Tot Ion: 73 Resp: 494491

Ion Ratio Lower Upper

73 100

57 22.4 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN056722.D (-925) (-)

Ion 57.00 (56.70 to 57.70): VN056722.D (-925) (-)

5.05

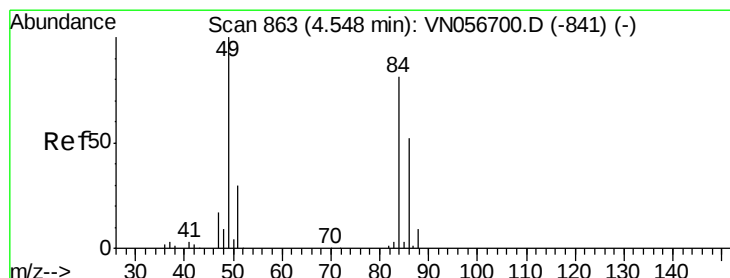
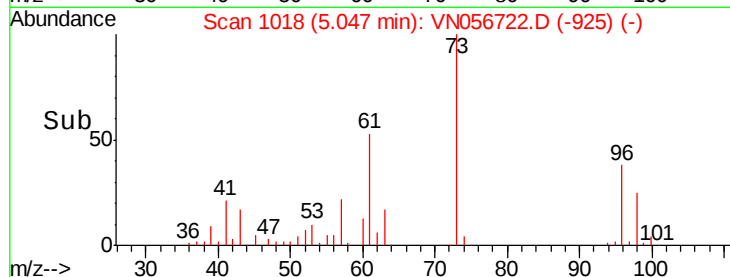
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 48.856 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion: 84 Resp: 181763

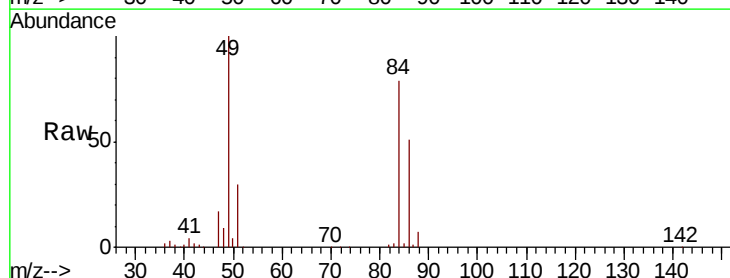
Ion Ratio Lower Upper

84 100

49 126.6 98.2 147.4

51 37.4 29.6 44.4

86 64.4 51.0 76.4



Abundance Ion 83.90 (83.60 to 84.60): VN056722.D (-770) (-)

Ion 48.90 (48.60 to 49.60): VN056722.D (-770) (-)

Ion 50.90 (50.60 to 51.60): VN056722.D (-770) (-)

Ion 85.90 (85.60 to 86.60): VN056722.D (-770) (-)

100000

80000

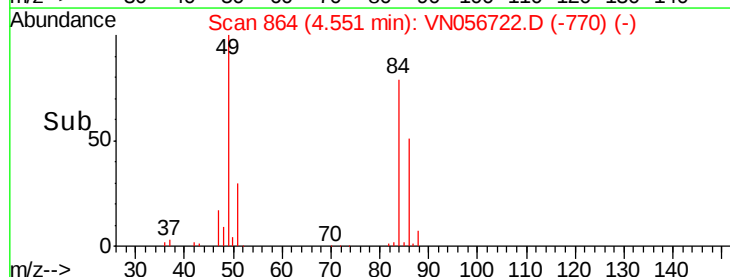
60000

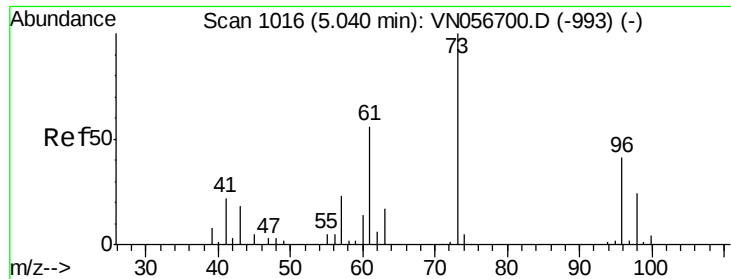
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 50.308 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

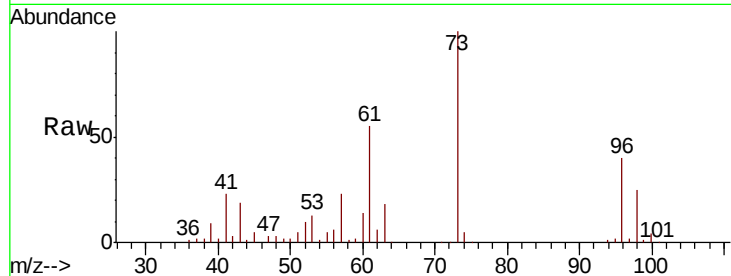
Tot Ion: 96 Resp: 166959

Ion Ratio Lower Upper

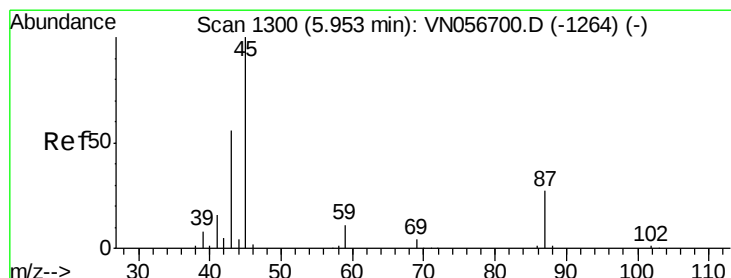
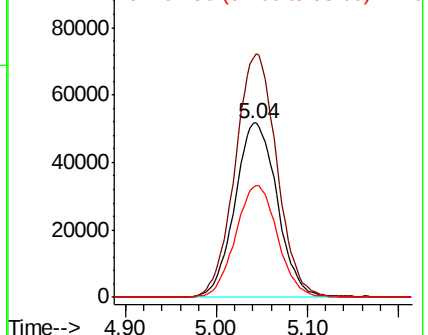
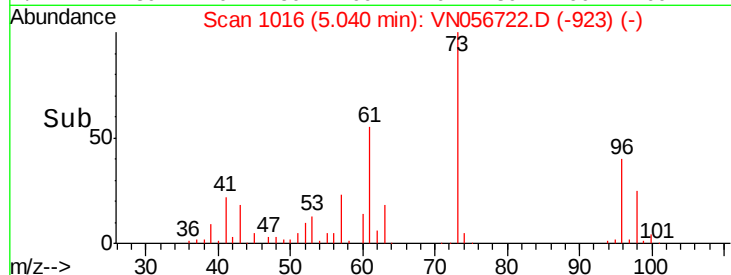
96 100

61 137.8 109.4 164.2

98 63.2 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VN056722.D (-923) (-)



#22

Diisopropyl ether

Concen: 50.284 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Tgt Ion: 45 Resp: 538902

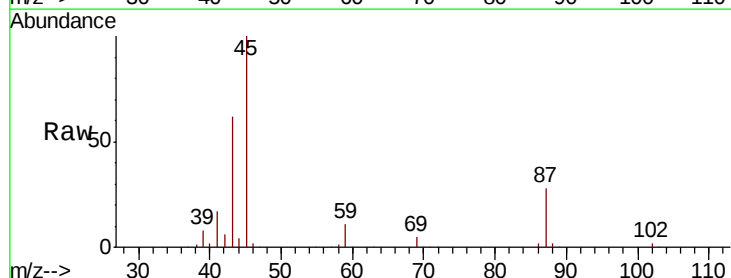
Ion Ratio Lower Upper

45 100

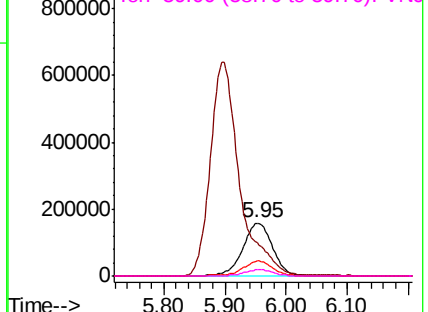
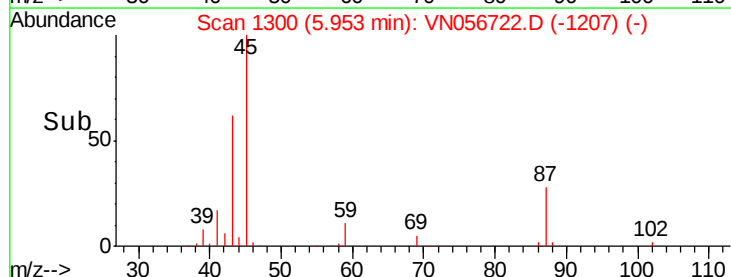
43 60.5 45.6 68.4

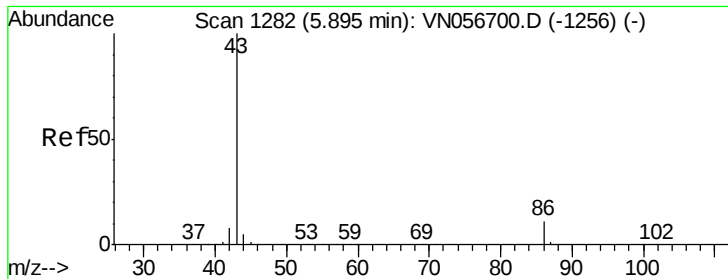
87 27.9 22.0 33.0

59 11.4 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN056722.D (-1207) (-)





#23

Vinyl Acetate

Concen: 246.701 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

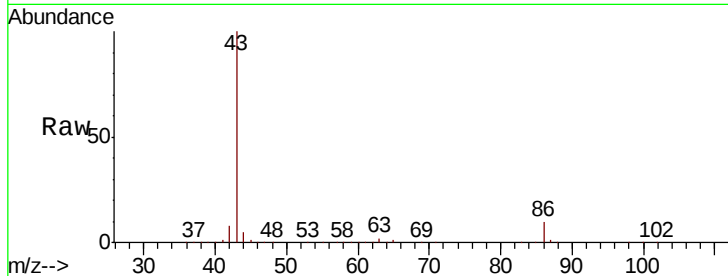
SA-TW532-2126MS

Tot Ion: 43 Resp: 2142521

Ion Ratio Lower Upper

43 100

86 10.4 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

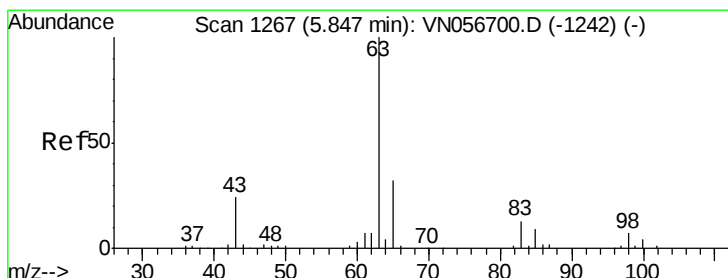
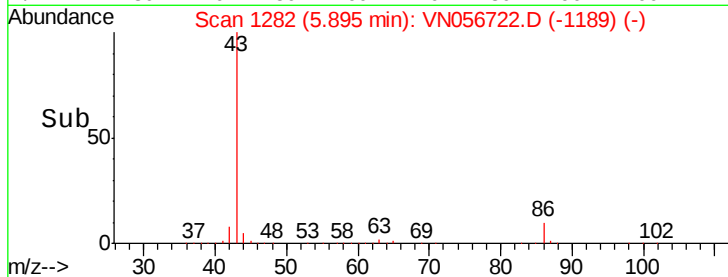
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.885 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

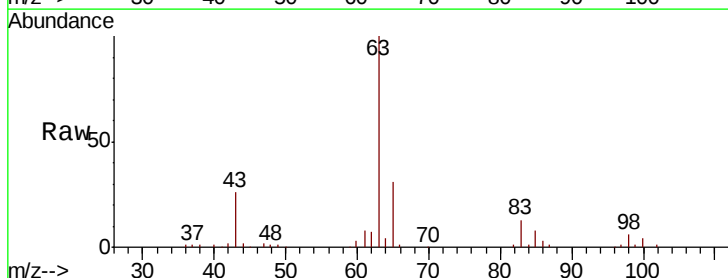
Tgt Ion: 63 Resp: 309968

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

100 4.0 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

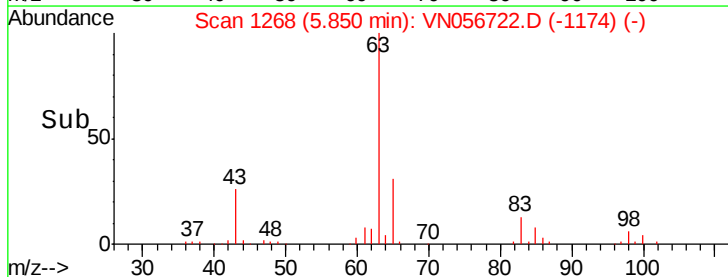
5.85

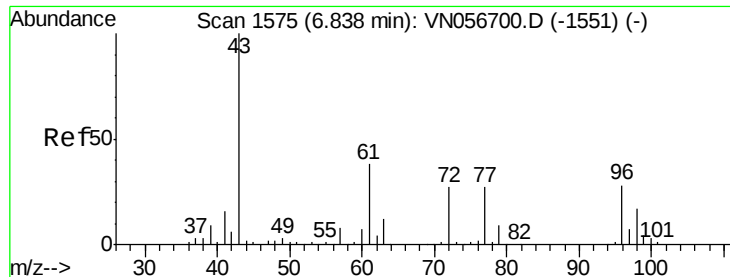
100000

50000

0

Time-->

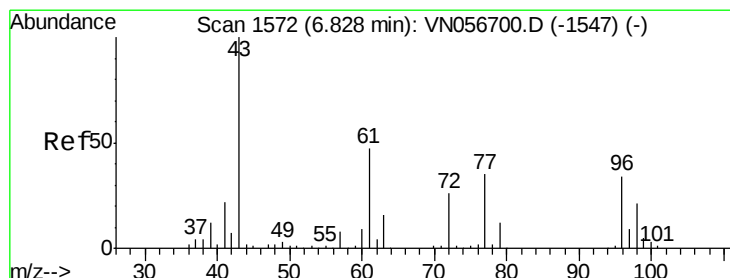
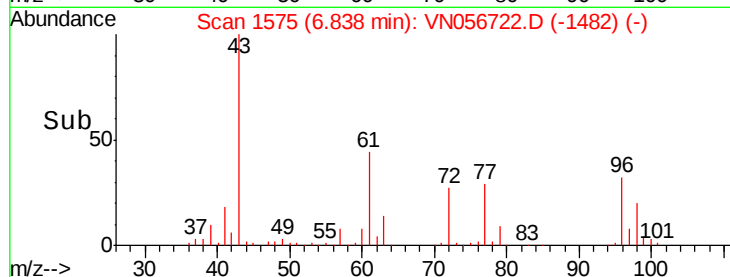
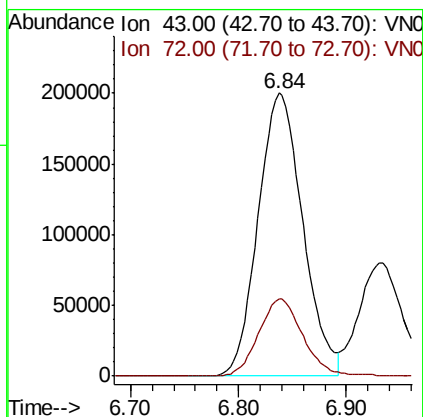
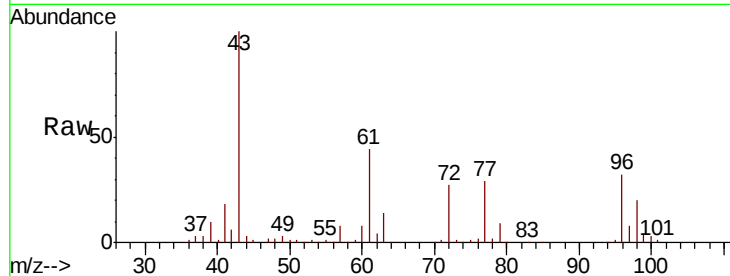




#25
2-Butanone
Concen: 229.802 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

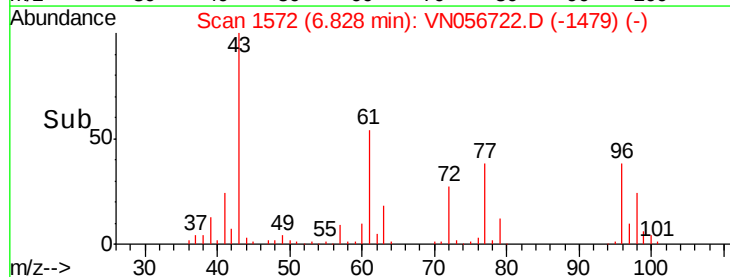
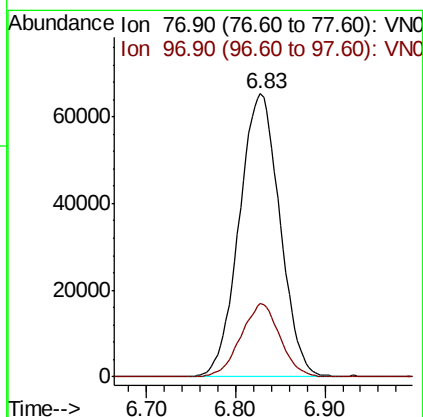
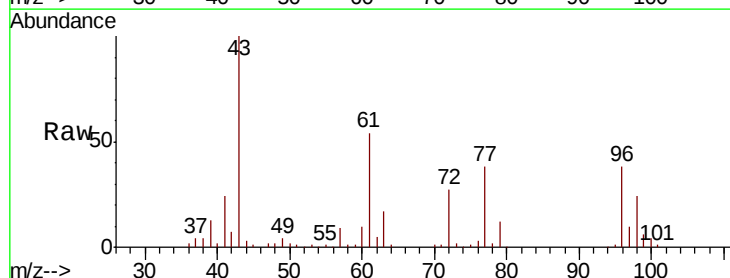
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

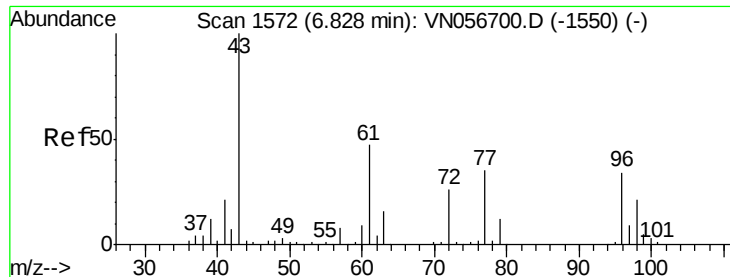
Tot Ion: 43 Resp: 571969
Ion Ratio Lower Upper
43 100
72 27.2 21.2 31.8



#26
2,2-Dichloropropane
Concen: 46.233 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 77 Resp: 207135
Ion Ratio Lower Upper
77 100
97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.182 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

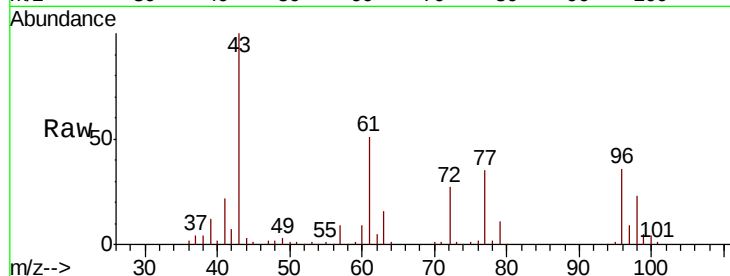
Tot Ion: 96 Resp: 195454

Ion Ratio Lower Upper

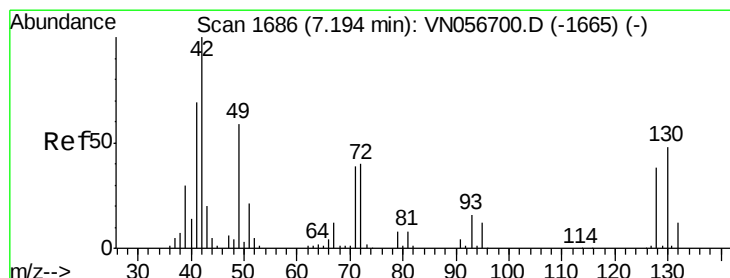
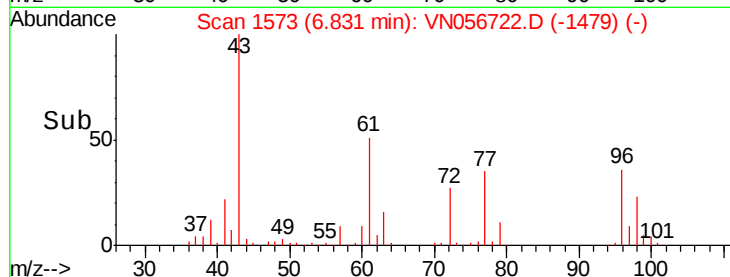
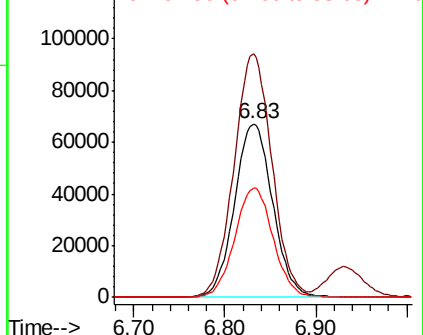
96 100

61 139.8 0.0 281.4

98 63.5 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: 50.477 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

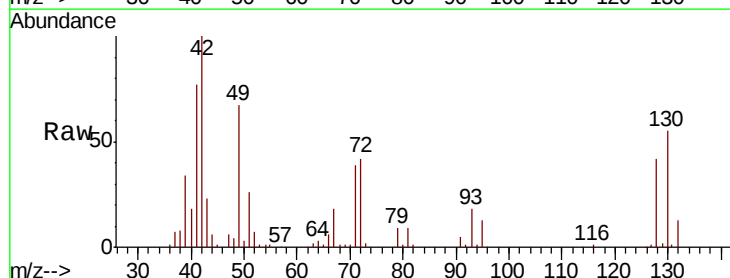
Tgt Ion: 49 Resp: 147469

Ion Ratio Lower Upper

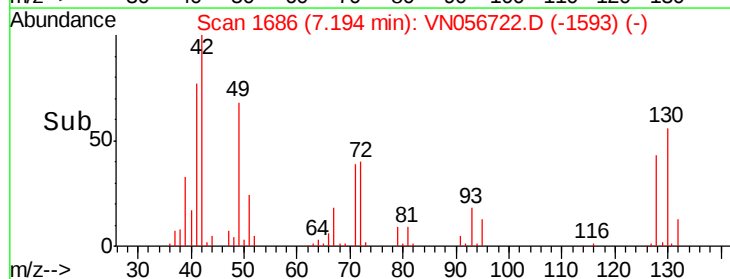
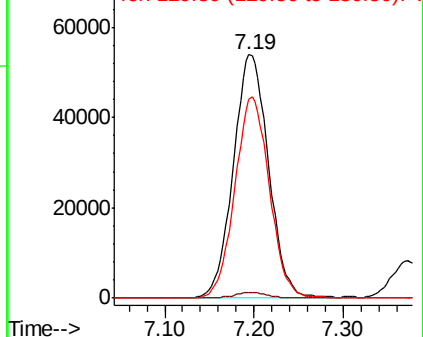
49 100

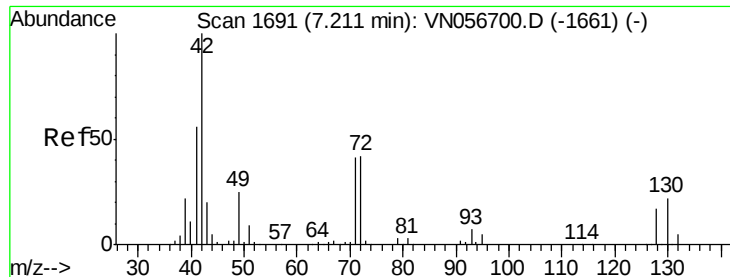
129 2.1 0.0 4.0

130 80.8 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

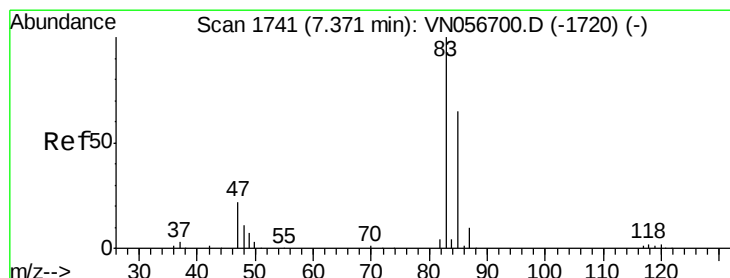
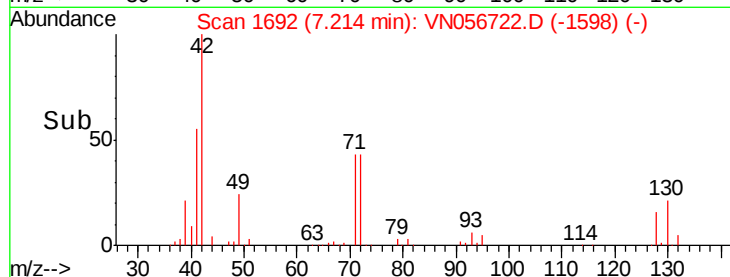
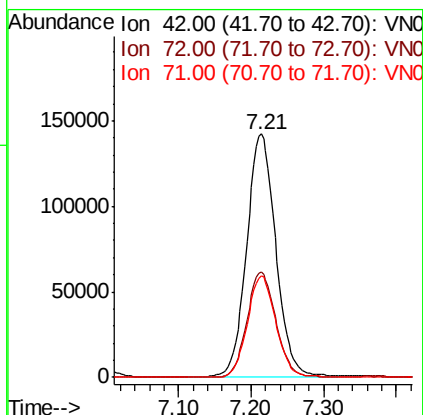
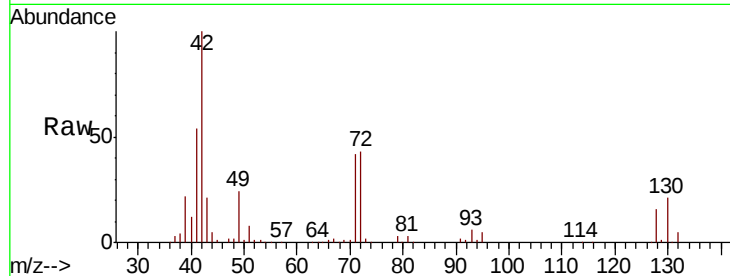




#29
Tetrahydrofuran
Concen: 246.432 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

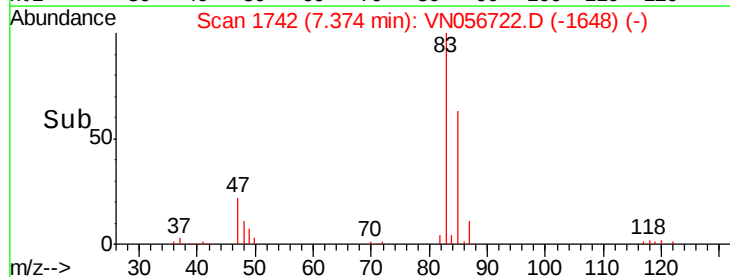
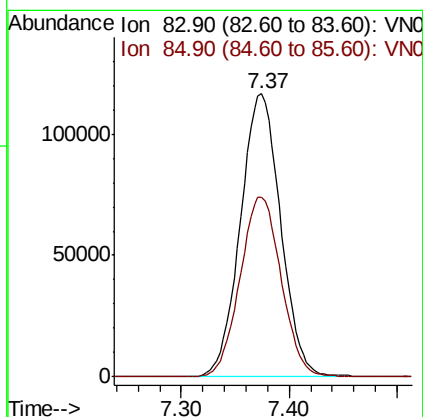
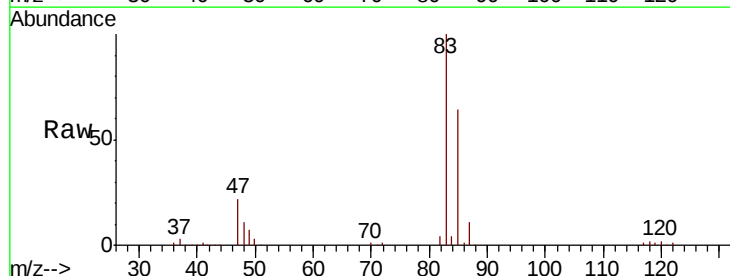
Instrument :
MSVOA_N
ClientSampled :
SA-TW532-2126MS

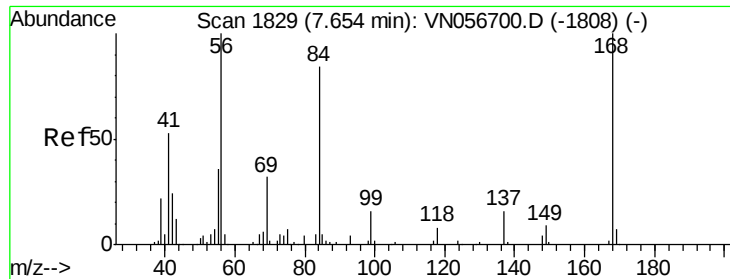
Tot Ion: 42 Resp: 400052
Ion Ratio Lower Upper
42 100
72 42.7 33.5 50.3
71 40.9 31.8 47.8



#30
Chloroform
Concen: 48.640 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 83 Resp: 302440
Ion Ratio Lower Upper
83 100
85 63.7 51.9 77.9

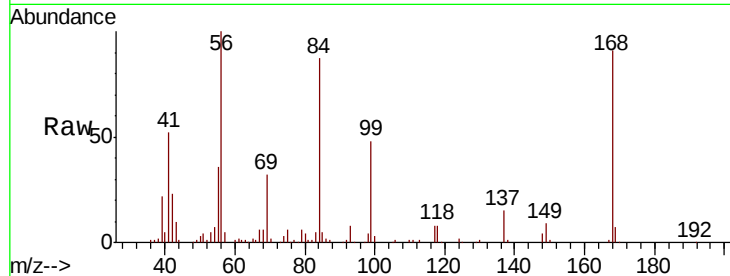




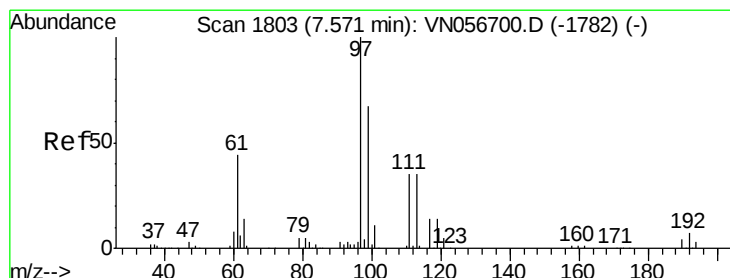
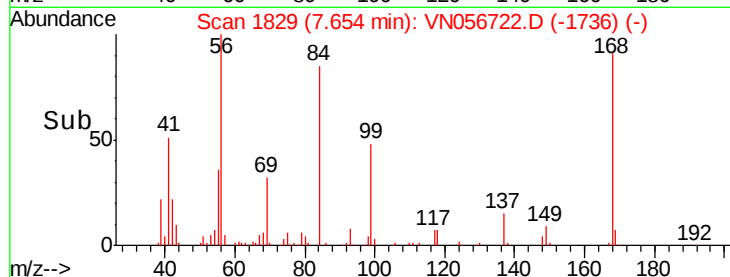
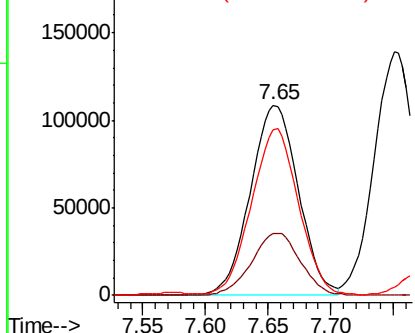
#31
Cyclohexane
Concen: 48.972 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion: 56 Resp: 289217
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.8
84 86.4 67.4 101.0

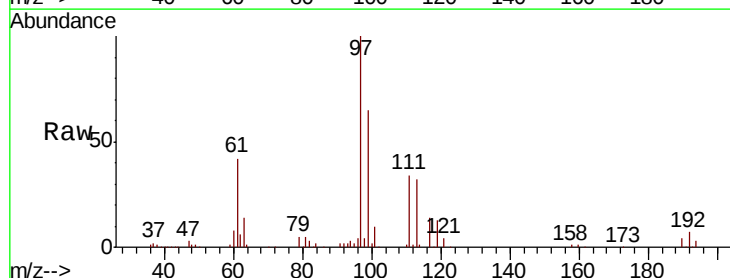


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

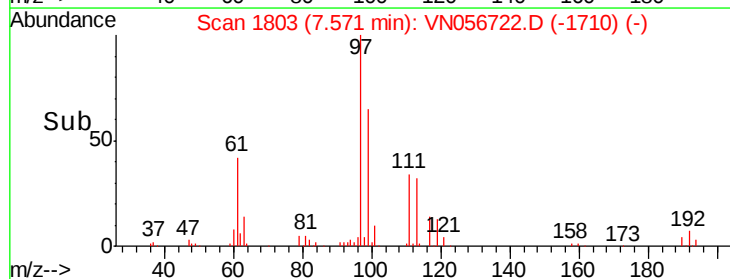
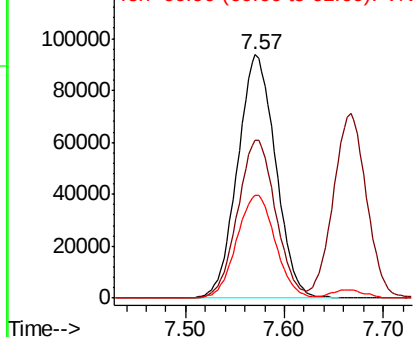


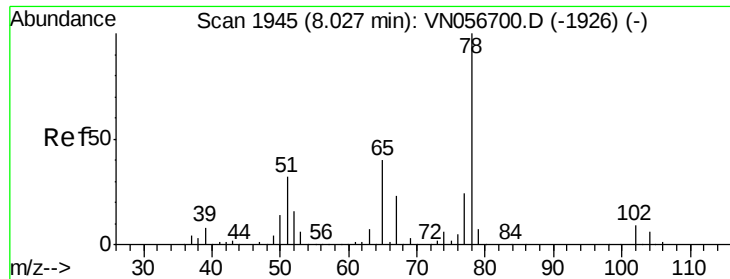
#32
1,1,1-Trichloroethane
Concen: 50.717 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 97 Resp: 249395
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 43.0 34.3 51.5



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

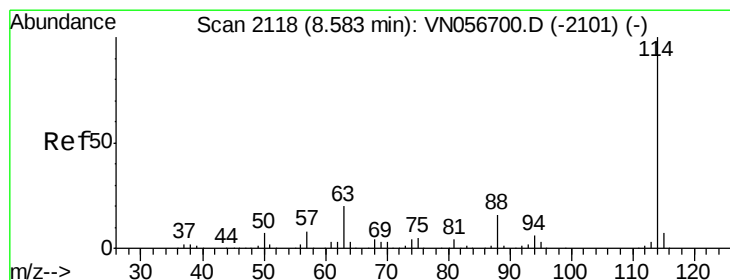
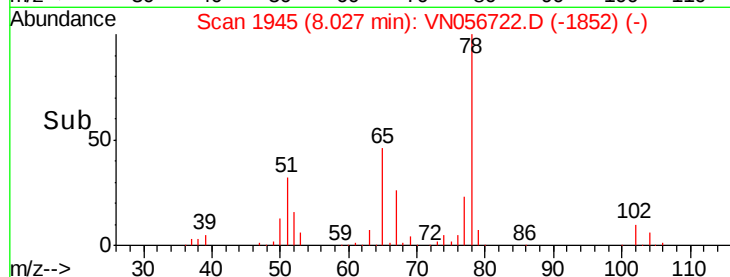
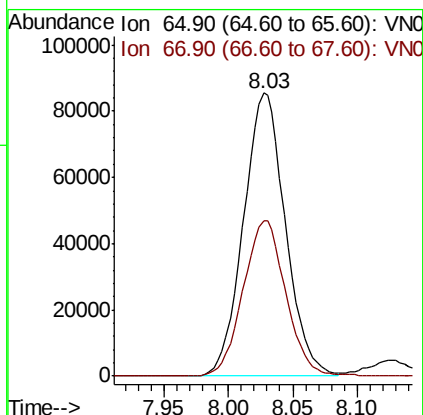
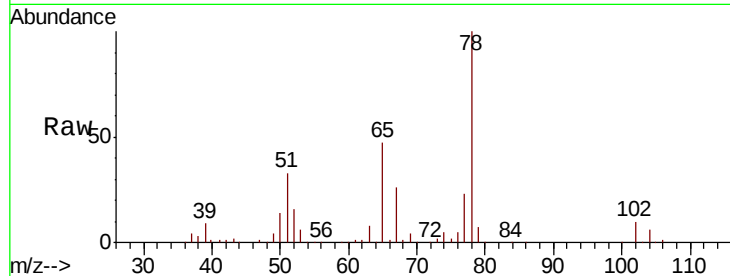




#33
 1,2-Dichloroethane-d4
 Concen: 52.420 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

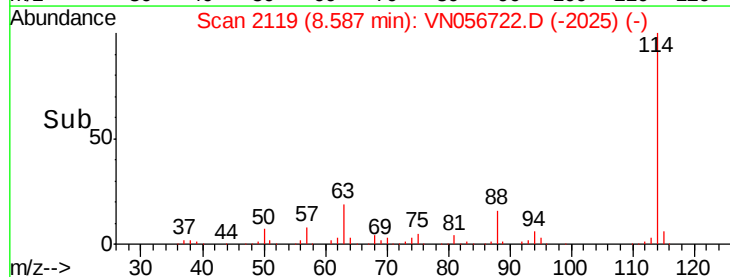
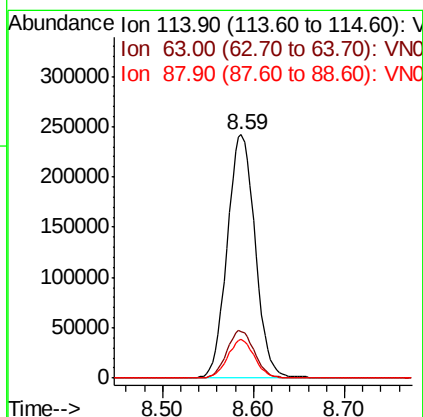
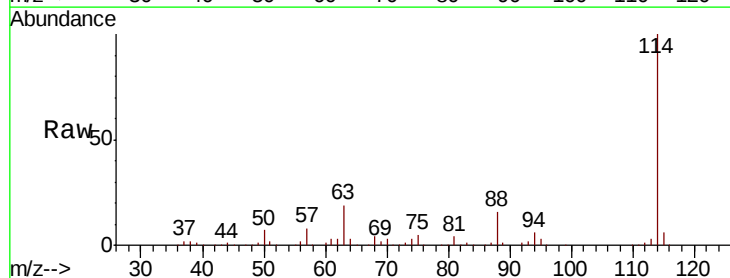
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

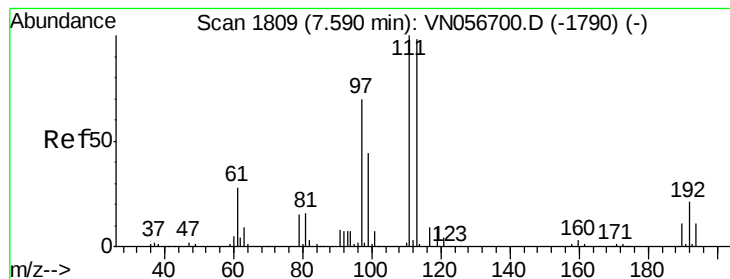
Tot Ion: 65 Resp: 193654
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion: 114 Resp: 516961
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.296 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

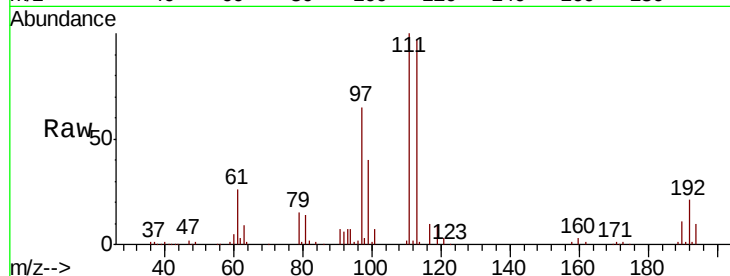
Tot Ion:113 Resp: 171461

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.6

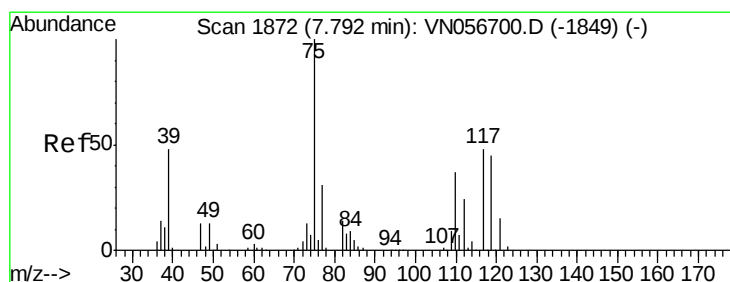
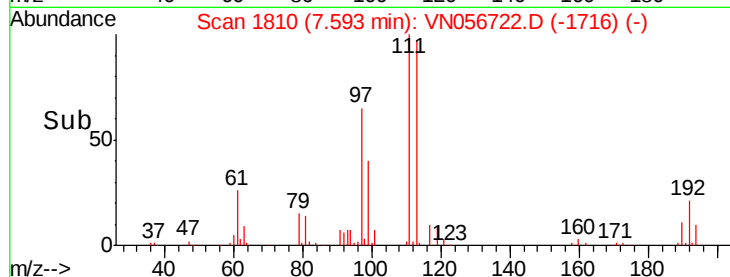
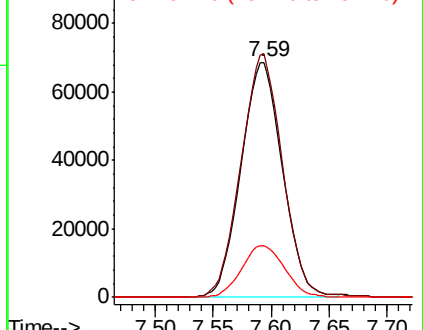
192 22.9 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.539 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

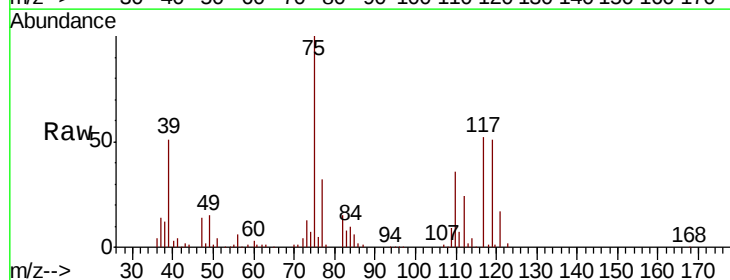
Tgt Ion: 75 Resp: 232198

Ion Ratio Lower Upper

75 100

110 36.2 18.4 55.4

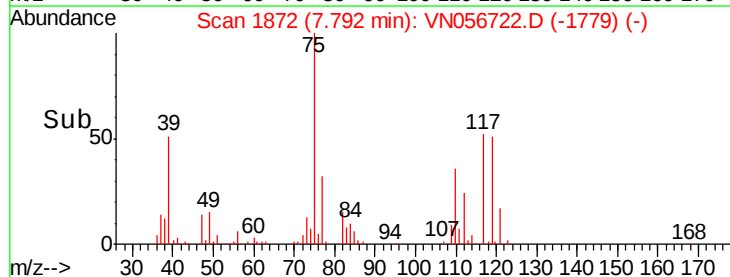
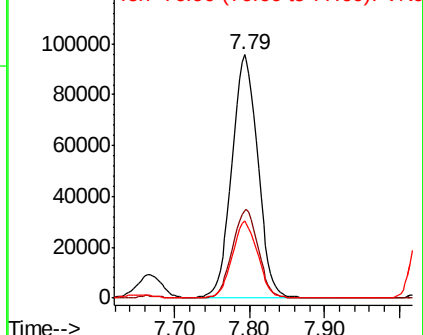
77 31.0 24.6 36.8

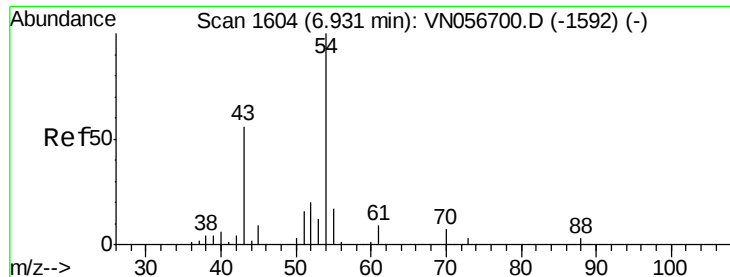


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

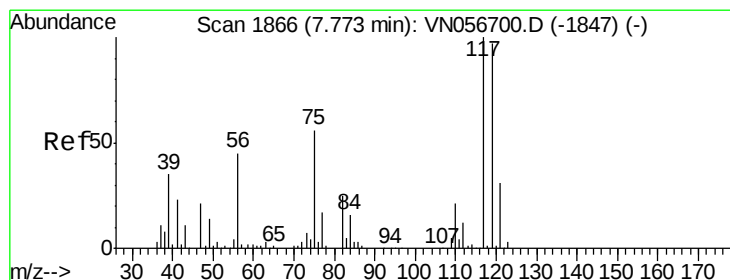
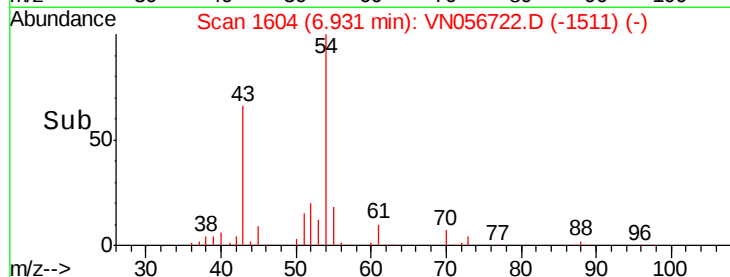
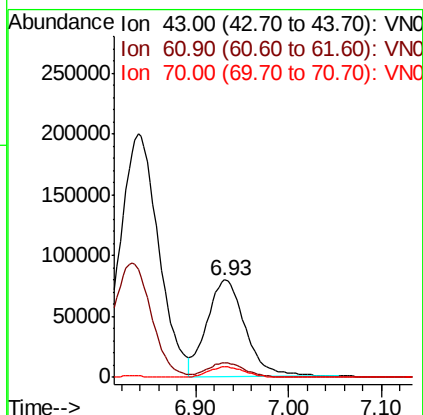
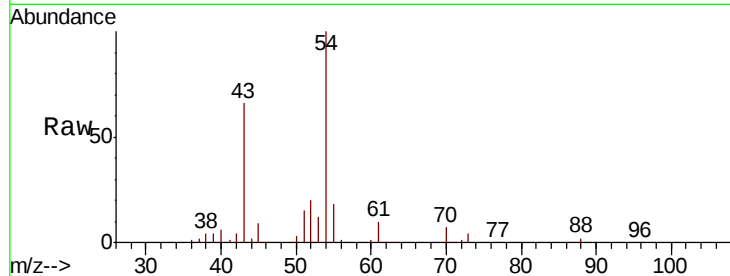




#37
Ethyl Acetate
Concen: 48.163 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

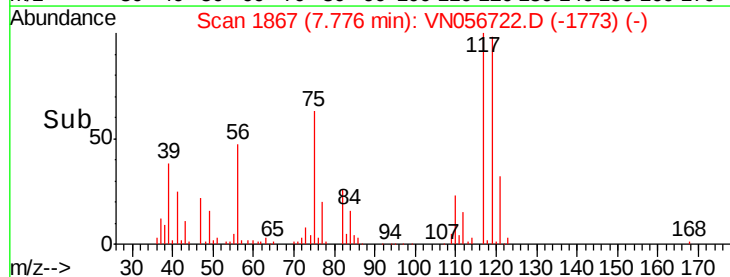
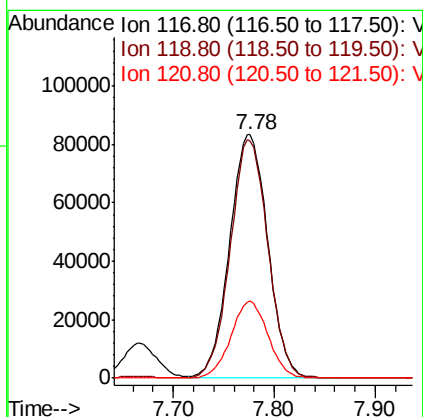
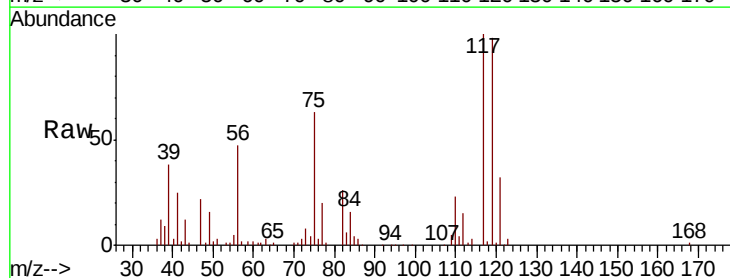
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

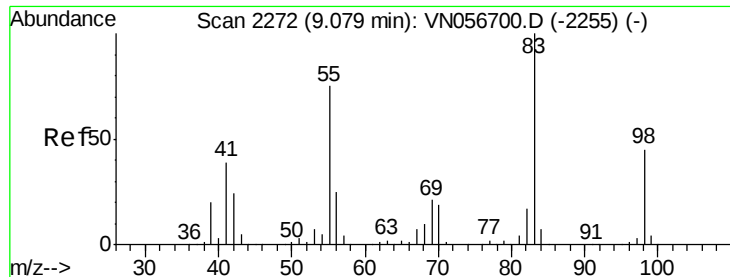
Tot Ion: 43 Resp: 227083
Ion Ratio Lower Upper
43 100
61 14.3 11.3 16.9
70 10.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 48.755 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 117 Resp: 218726
Ion Ratio Lower Upper
117 100
119 97.6 77.5 116.3
121 31.6 24.7 37.1

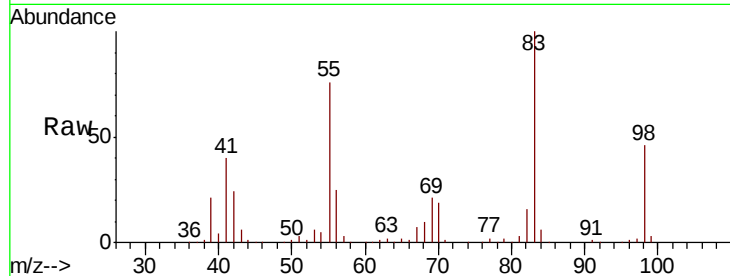




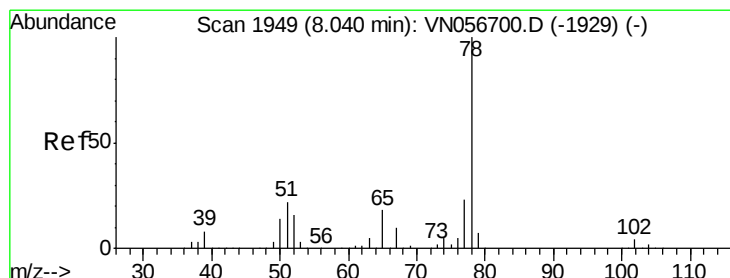
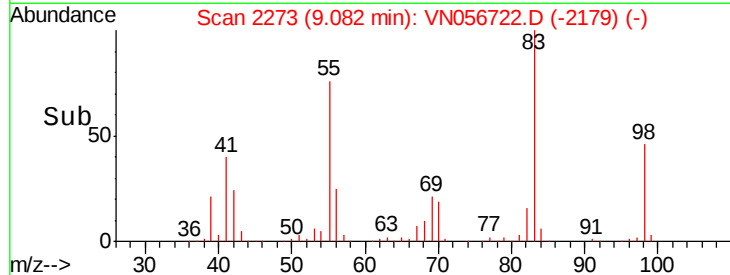
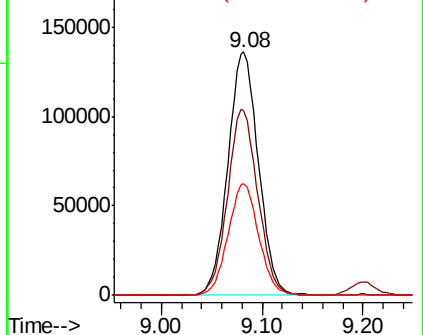
#39
Methvlcvclohexane
Concen: 48.680 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion: 83 Resp: 287544
Ion Ratio Lower Upper
83 100
55 75.9 60.4 90.6
98 45.9 35.8 53.8

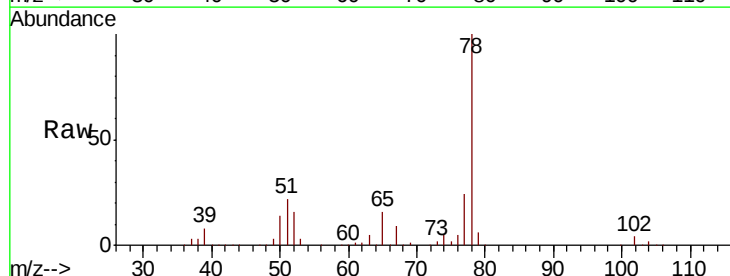


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

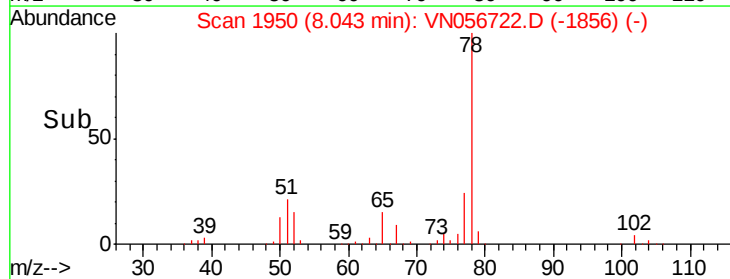
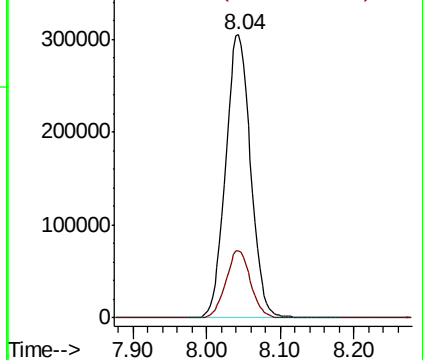


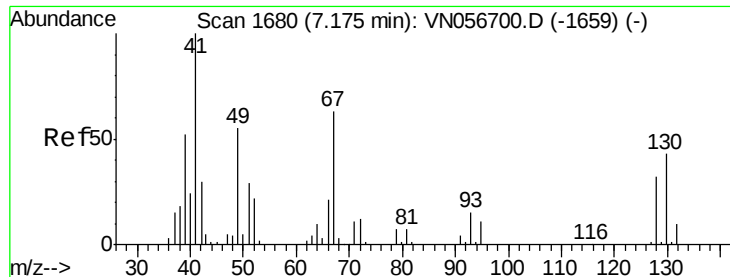
#40
Benzene
Concen: 49.028 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 78 Resp: 718635
Ion Ratio Lower Upper
78 100
77 23.9 18.6 27.8



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

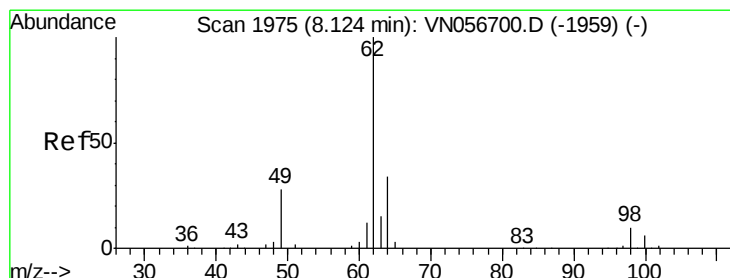
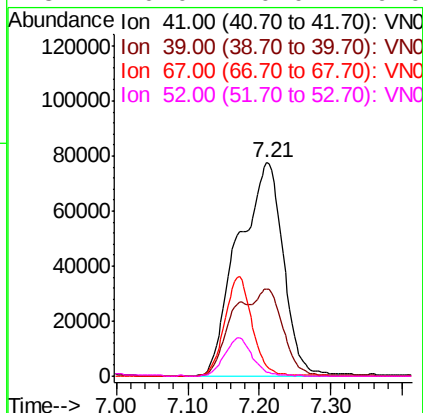
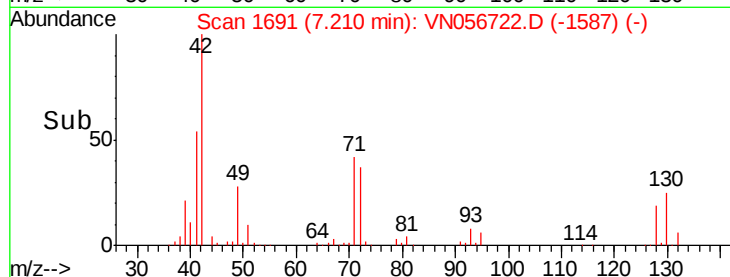
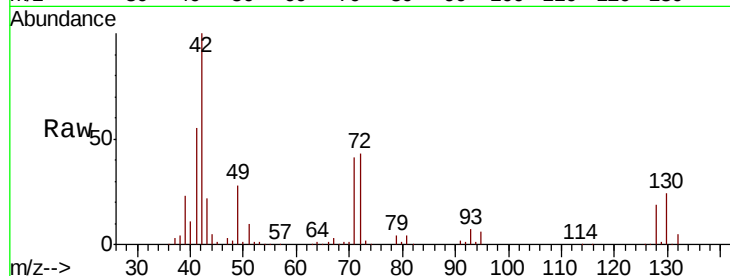




#41
Methacrylonitrile
Concen: 164.764 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

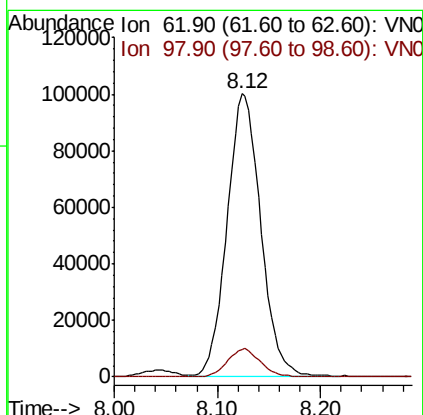
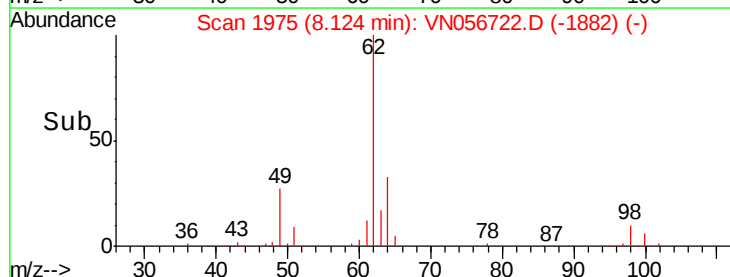
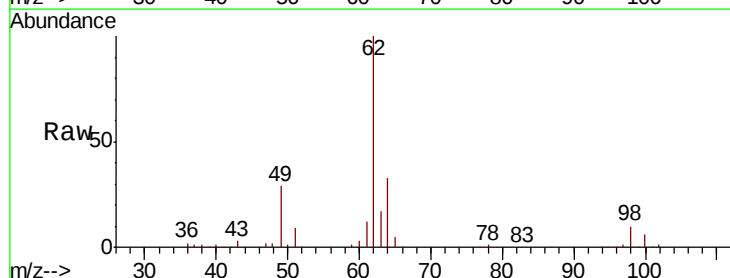
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

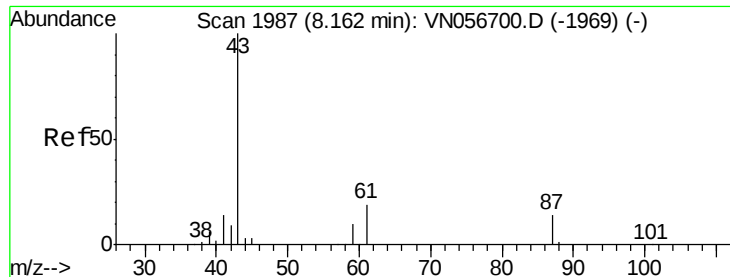
Tot Ion:	41	Resp:	341233
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 48.912 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion:	62	Resp:	226585
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8





#43

Isopropyl Acetate

Concen: 48.400 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

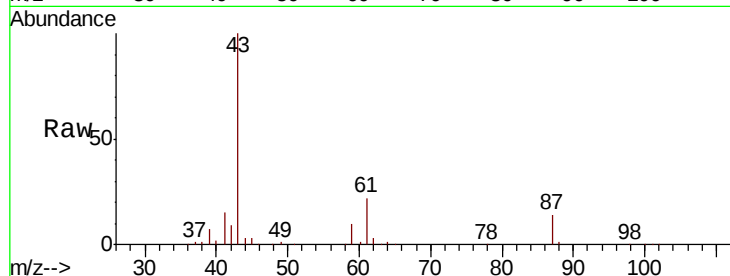
Tot Ion: 43 Resp: 358750

Ion Ratio Lower Upper

43 100

61 28.1 22.3 33.5

87 14.1 11.1 16.7

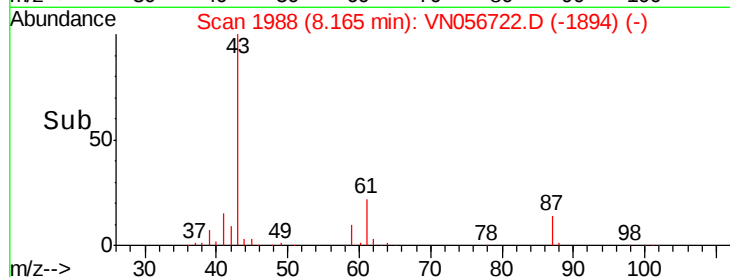


Abundance Ion 43.00 (42.70 to 43.70): VN056722.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN056722.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN056722.D (-1988) (-)

Time-->



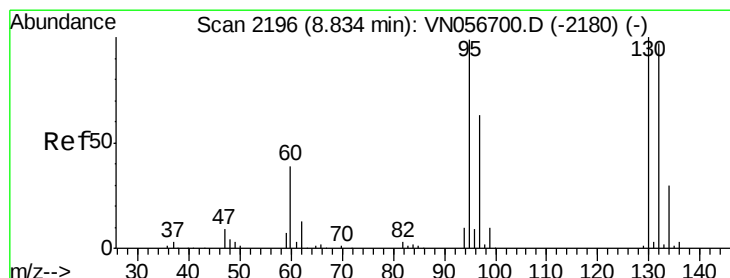
Abundance

Ion 43.00 (42.70 to 43.70): VN056722.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN056722.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN056722.D (-1988) (-)

Time-->



#44

Trichloroethene

Concen: 48.720 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056722.D

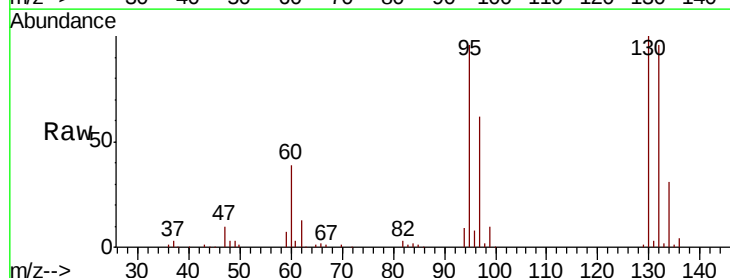
Acq: 15 Jul 2019 19:09

Tgt Ion:130 Resp: 193924

Ion Ratio Lower Upper

130 100

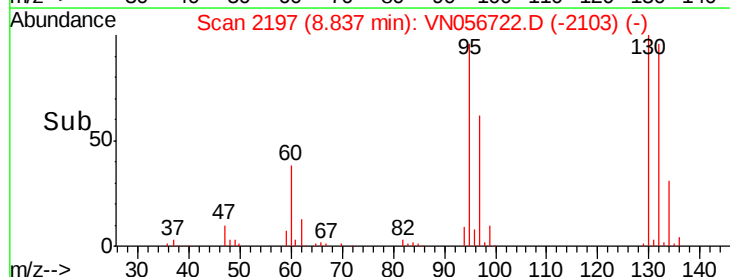
95 96.1 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056722.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN056722.D (-2197) (-)

Time-->

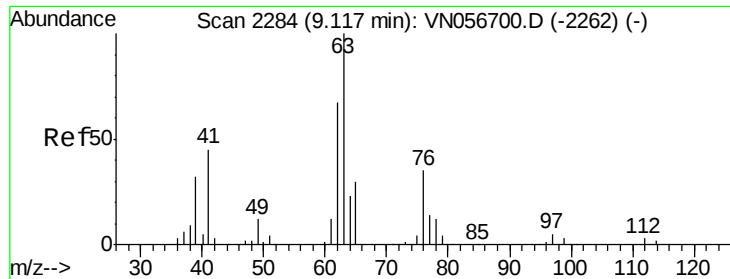


Abundance

Ion 129.80 (129.50 to 130.50): VN056722.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN056722.D (-2197) (-)

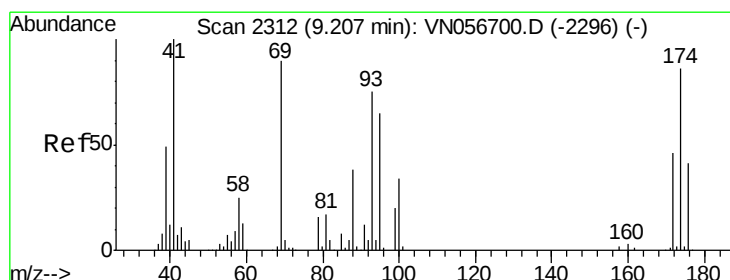
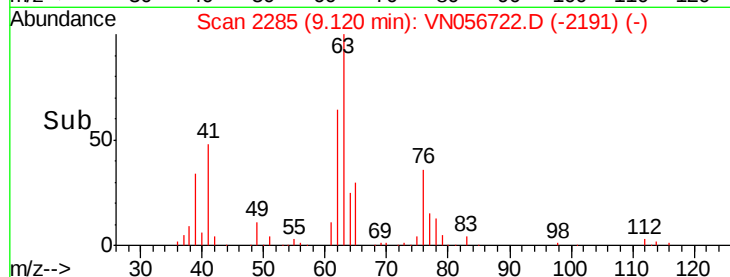
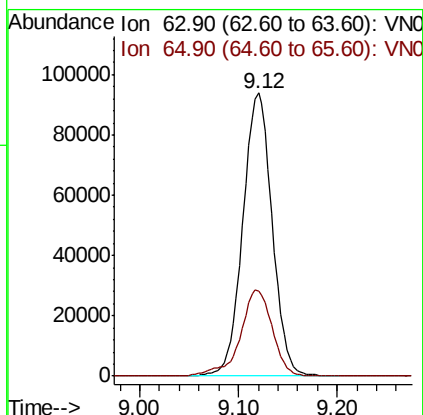
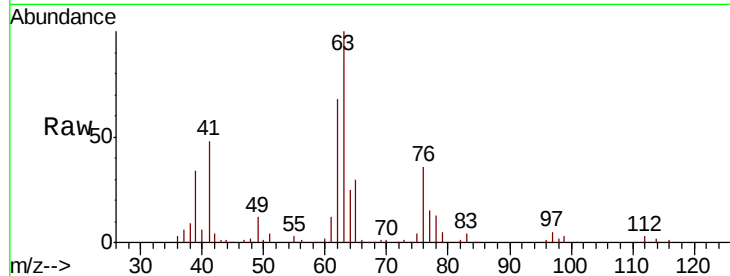
Time-->



#45
 1,2-Dichloropropane
 Concen: 49.520 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

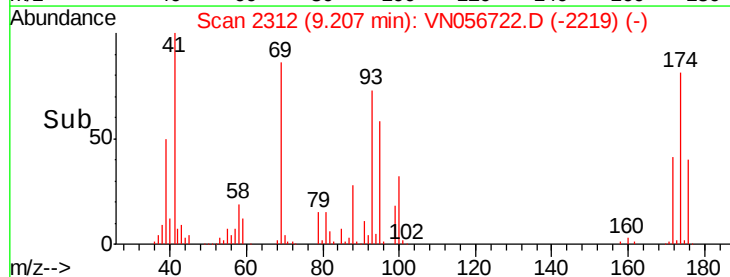
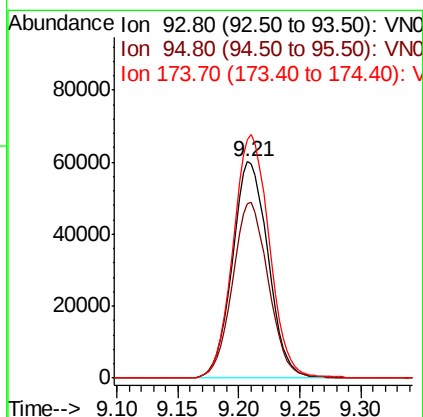
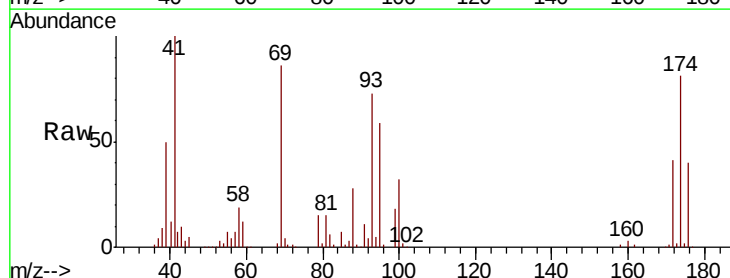
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

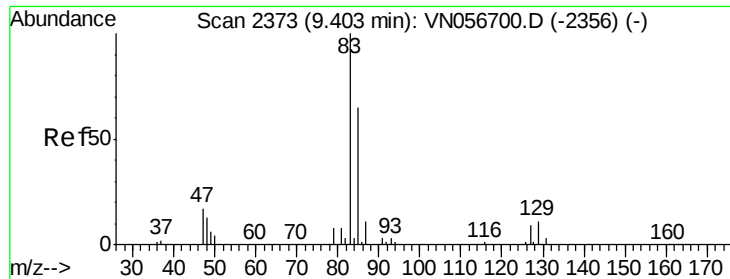
Tot Ion: 63 Resp: 192872
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.0 36.0



#46
 Dibromomethane
 Concen: 50.757 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion: 93 Resp: 122508
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.4 101.0
 174 113.8 90.3 135.5





#47

Bromodichloromethane

Concen: 50.872 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

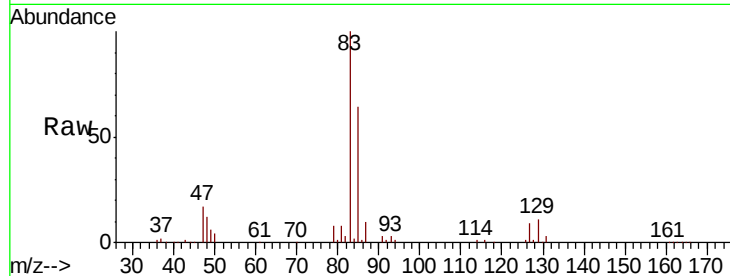
Tot Ion: 83 Resp: 233325

Ion Ratio Lower Upper

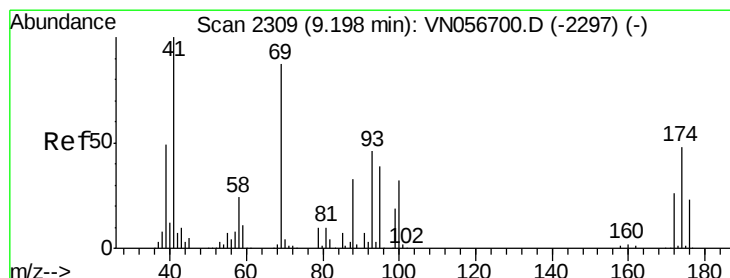
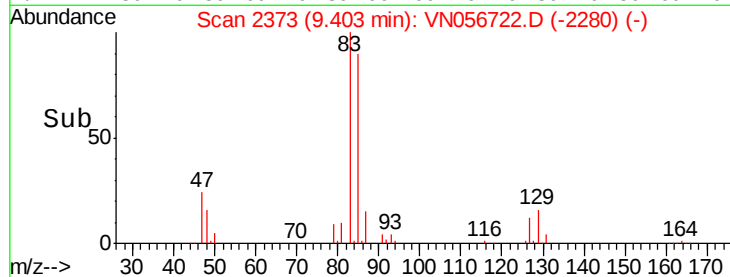
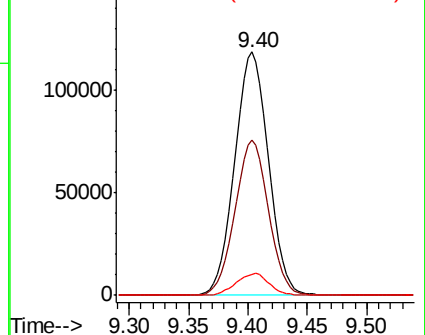
83 100

85 63.9 52.3 78.5

127 8.8 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 50.258 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

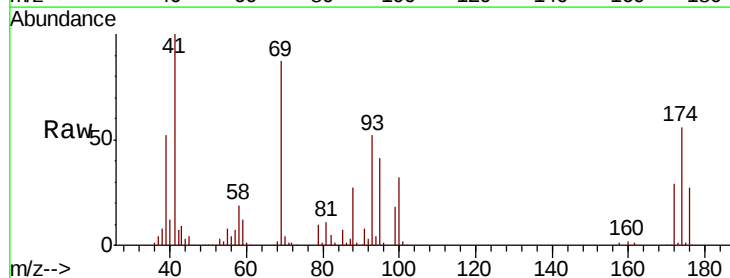
Tgt Ion: 41 Resp: 180155

Ion Ratio Lower Upper

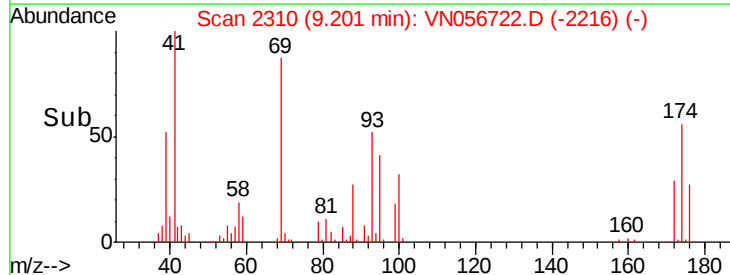
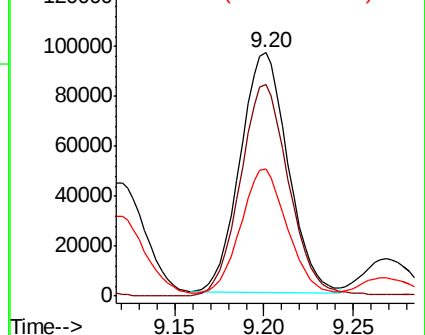
41 100

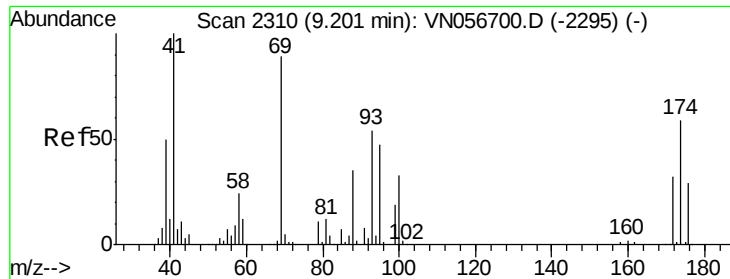
69 90.3 71.4 107.0

39 52.5 41.2 61.8



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

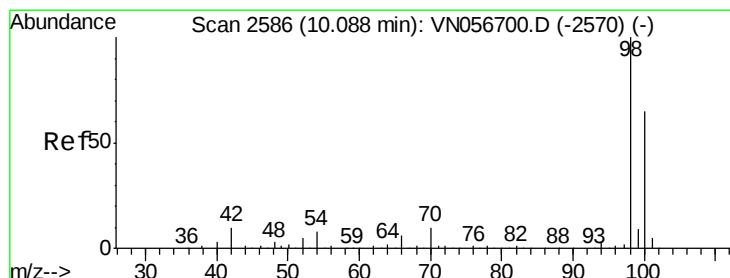
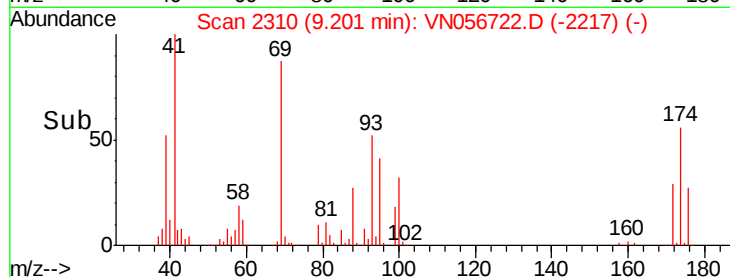
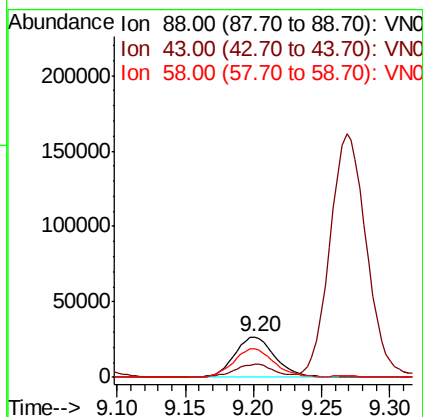
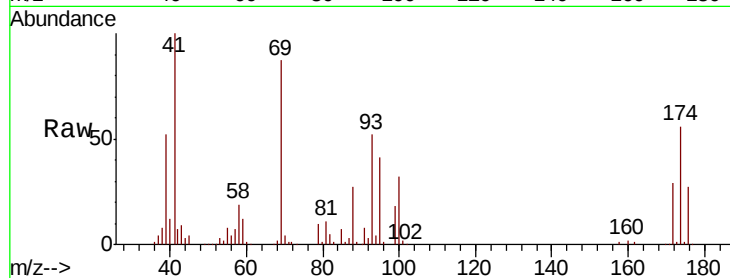




#49
 1,4-Dioxane
 Concen: 754.279 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

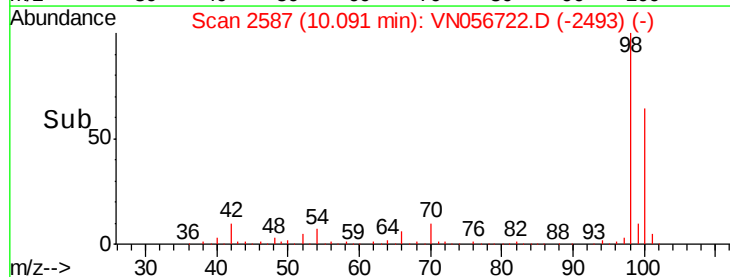
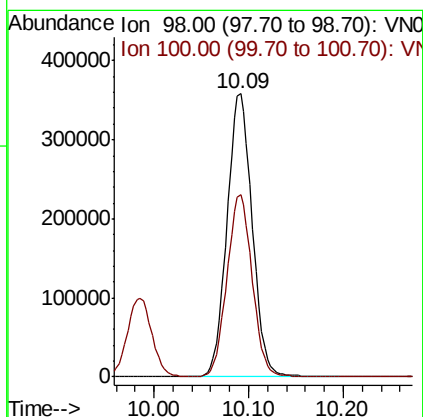
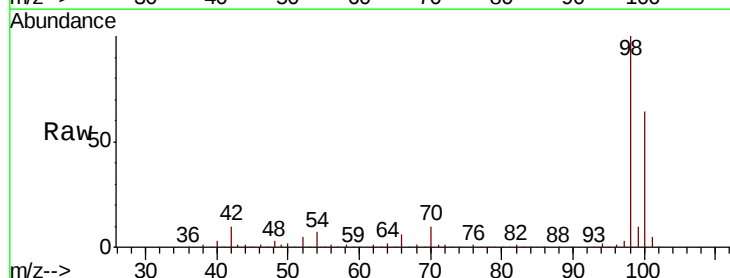
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

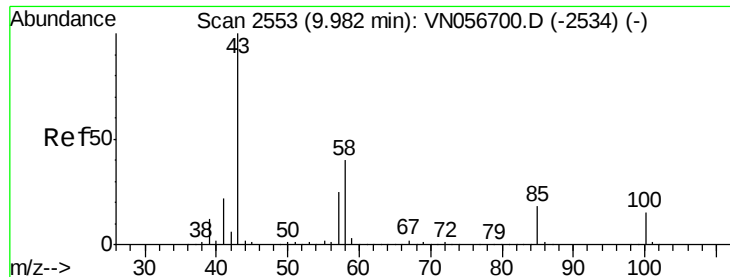
Tot Ion: 88 Resp: 55479
 Ion Ratio Lower Upper
 88 100
 43 30.3 23.7 35.5
 58 70.6 55.6 83.4



#50
 Toluene-d8
 Concen: 53.348 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion: 98 Resp: 662876
 Ion Ratio Lower Upper
 98 100
 100 64.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 248.095 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

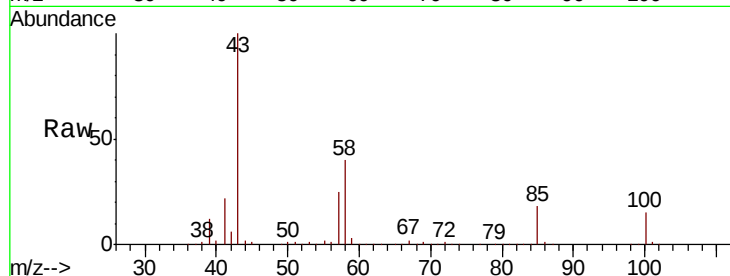
SA-TW532-2126MS

Tot Ion: 43 Resp: 1191037

Ion Ratio Lower Upper

43 100

58 39.9 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN056722.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN056722.D (-2534) (-)

9.99

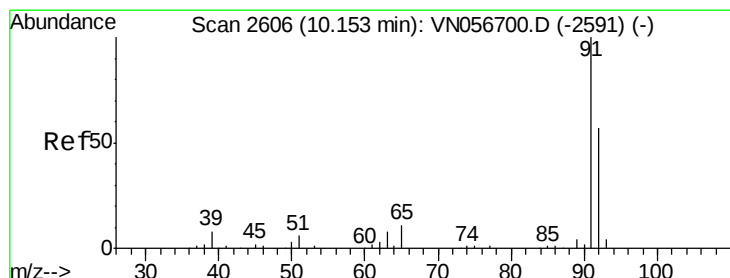
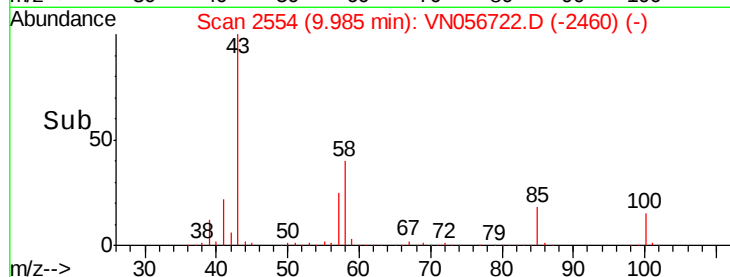
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.514 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056722.D

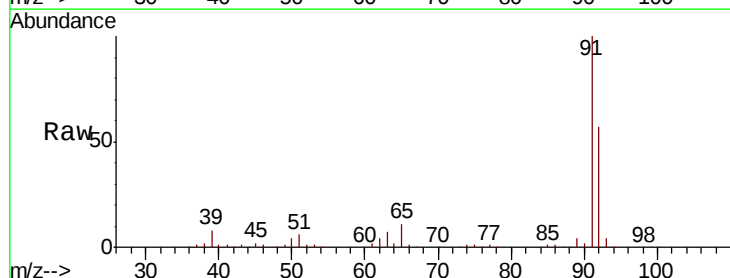
Acq: 15 Jul 2019 19:09

Tgt Ion: 92 Resp: 439720

Ion Ratio Lower Upper

92 100

91 174.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN056722.D (-2513) (-)

Ion 91.00 (90.70 to 91.70): VN056722.D (-2513) (-)

500000

400000

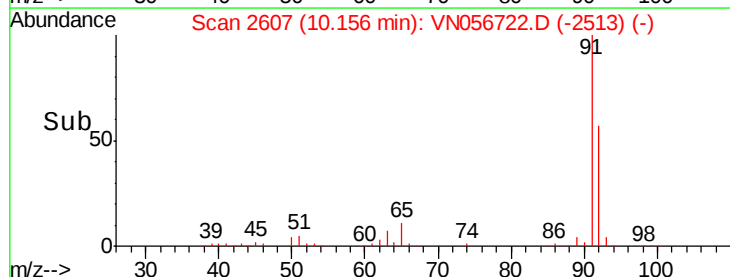
300000

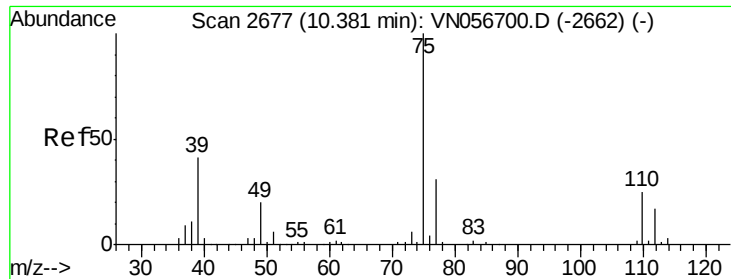
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.991 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

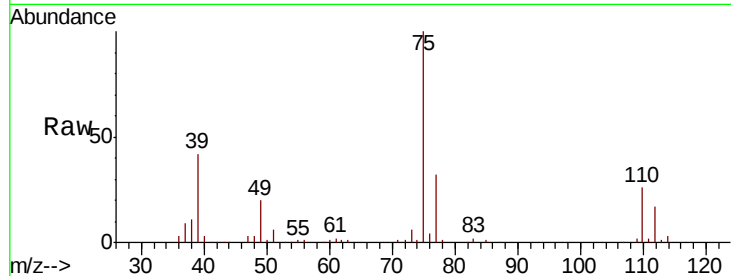
SA-TW532-2126MS

Tot Ion: 75 Resp: 244001

Ion Ratio Lower Upper

75 100

77 31.9 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

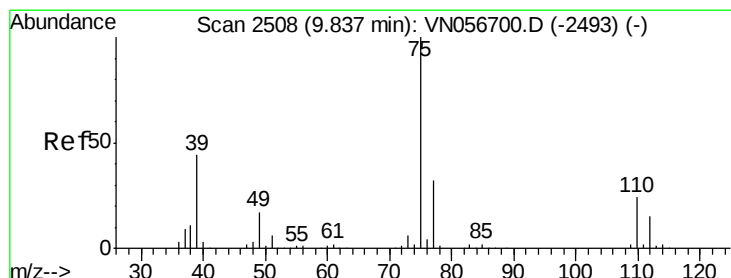
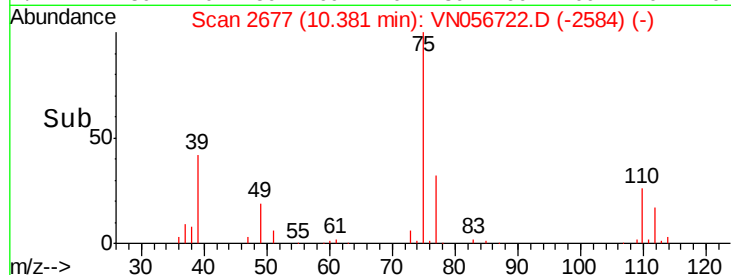
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.172 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

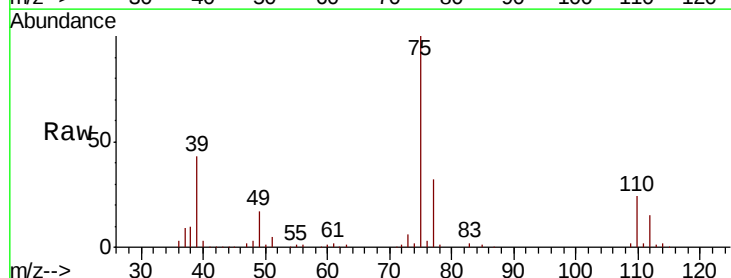
Tgt Ion: 75 Resp: 278594

Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0

39 42.5 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

9.84

200000

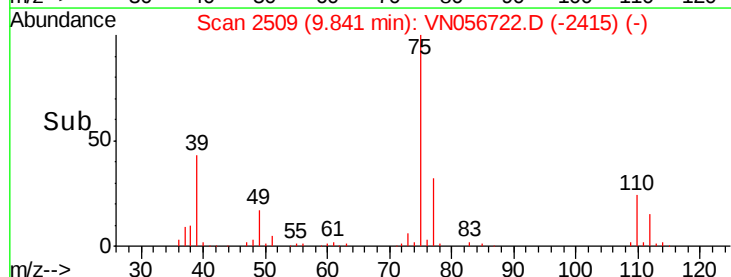
150000

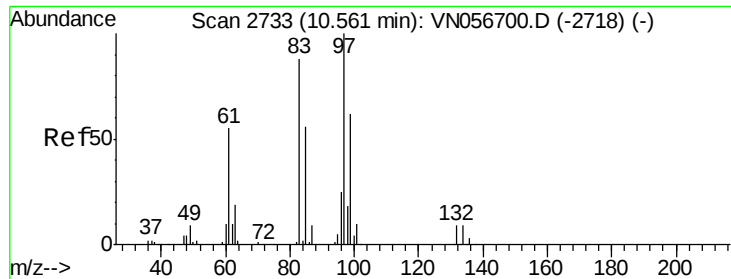
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.430 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 97 Resp: 176824

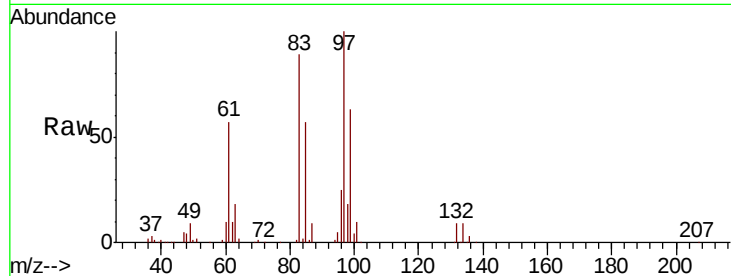
Ion Ratio Lower Upper

97 100

83 88.6 70.3 105.5

85 56.5 44.8 67.2

99 63.4 49.6 74.4

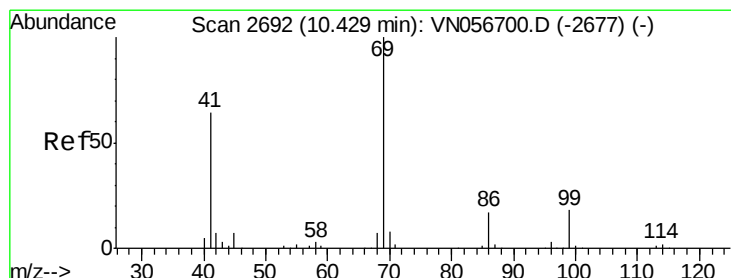
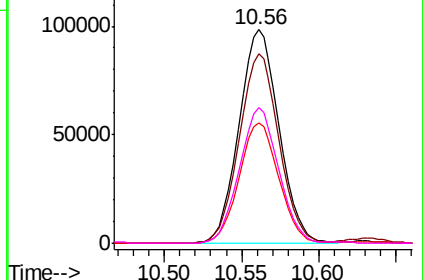
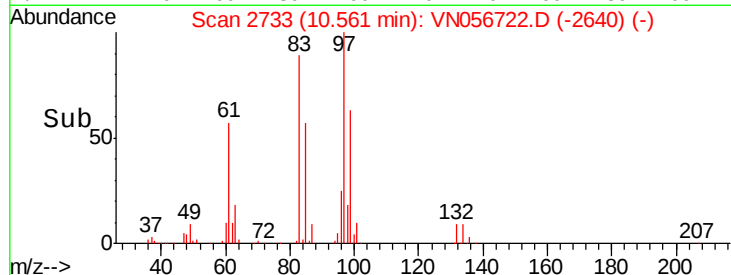


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.223 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

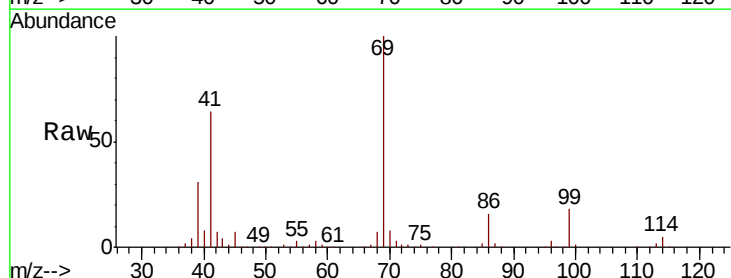
Tgt Ion: 69 Resp: 274352

Ion Ratio Lower Upper

69 100

41 63.4 51.0 76.4

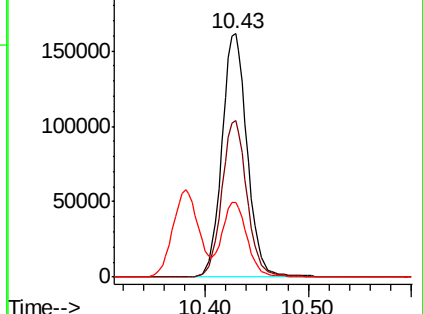
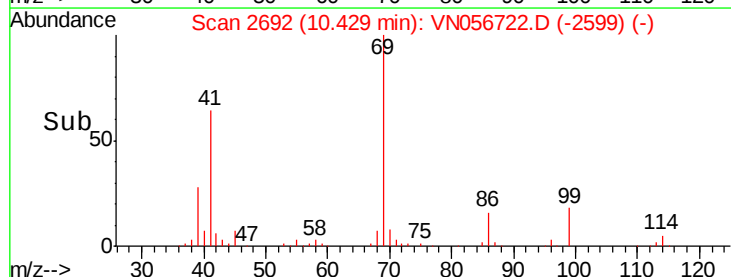
39 30.1 24.6 36.8

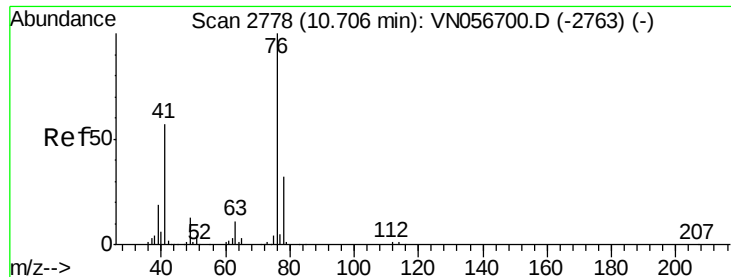


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.986 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

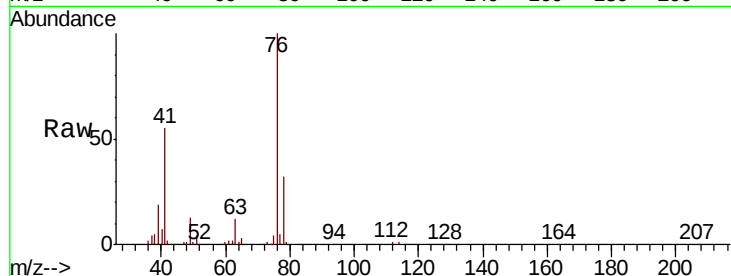
SA-TW532-2126MS

Tot Ion: 76 Resp: 298076

Ion Ratio Lower Upper

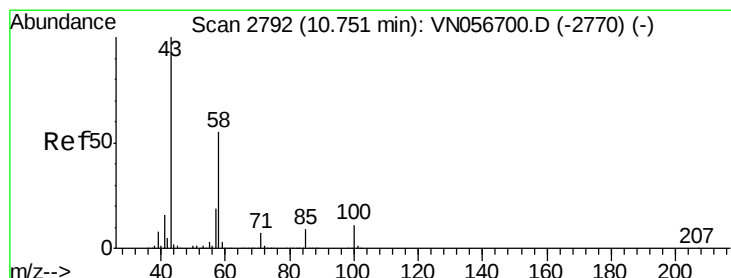
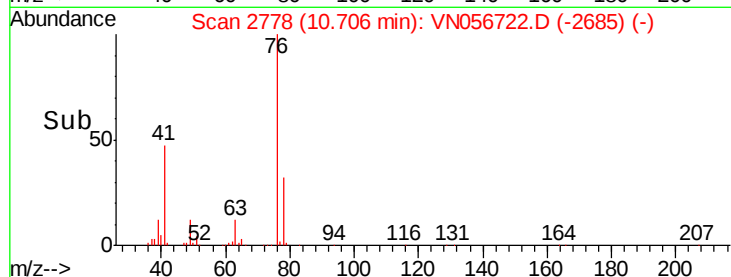
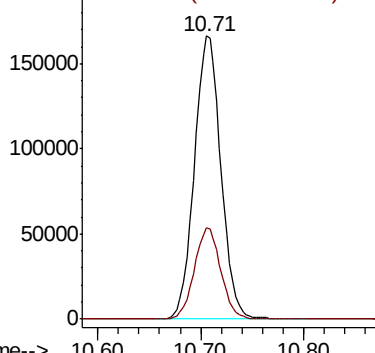
76 100

78 32.2 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 247.965 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN056722.D

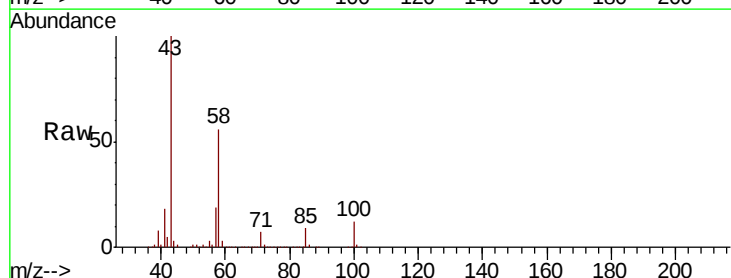
Acq: 15 Jul 2019 19:09

Tgt Ion: 43 Resp: 854164

Ion Ratio Lower Upper

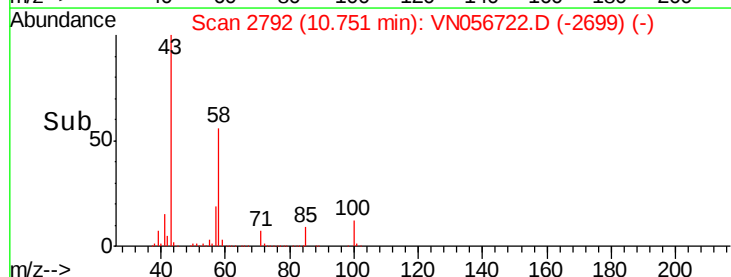
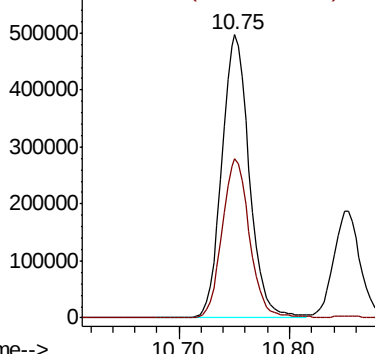
43 100

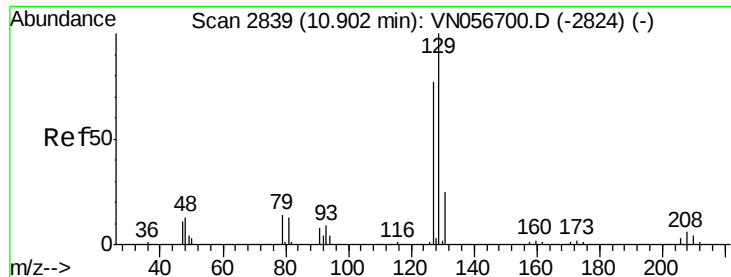
58 56.3 27.9 83.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

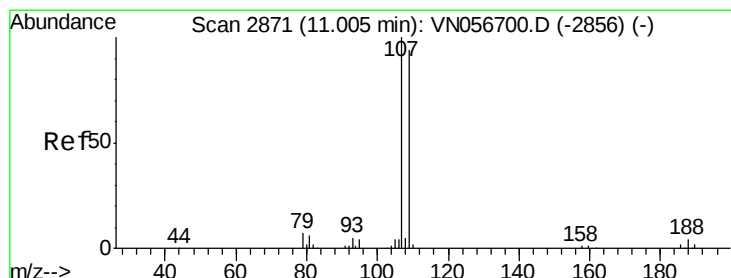
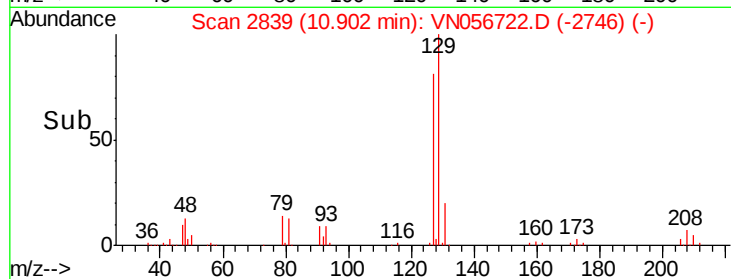
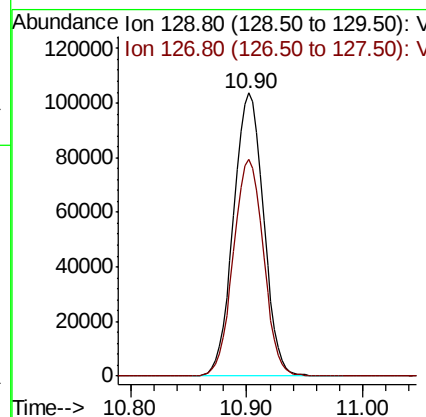
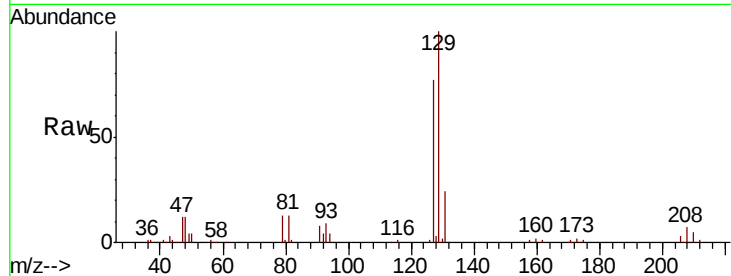




#60
 Dibromochloromethane
 Concen: 52.077 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

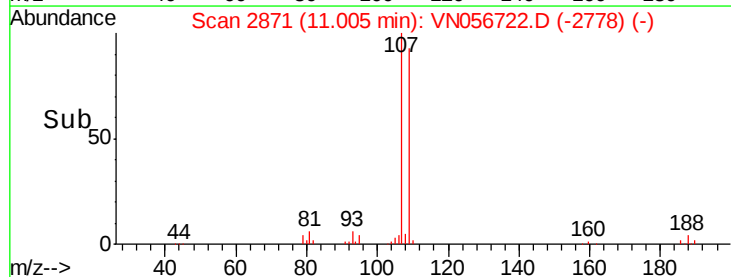
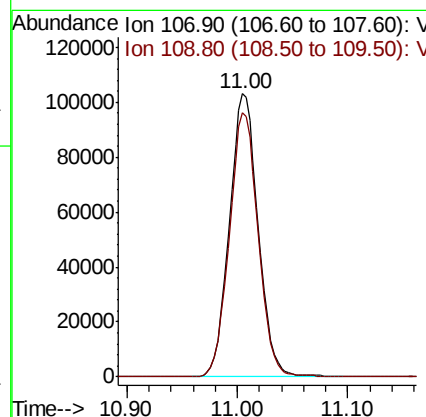
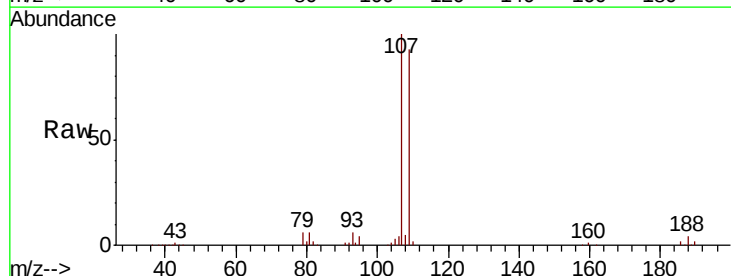
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

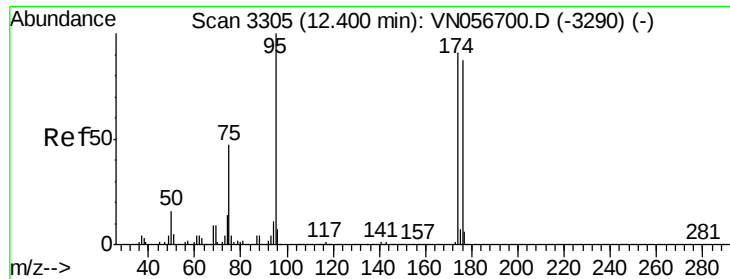
Tot Ion:129 Resp: 186998
 Ion Ratio Lower Upper
 129 100
 127 76.9 38.2 114.6



#61
 1,2-Dibromoethane
 Concen: 51.162 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion:107 Resp: 185640
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.2 114.4

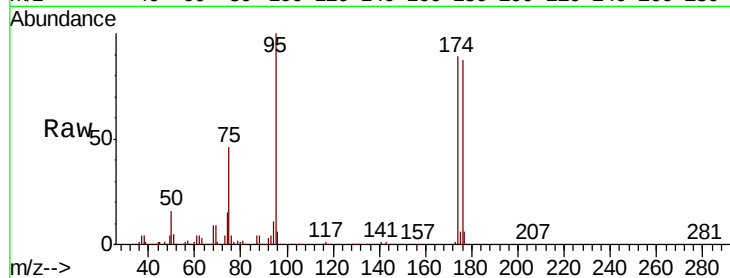




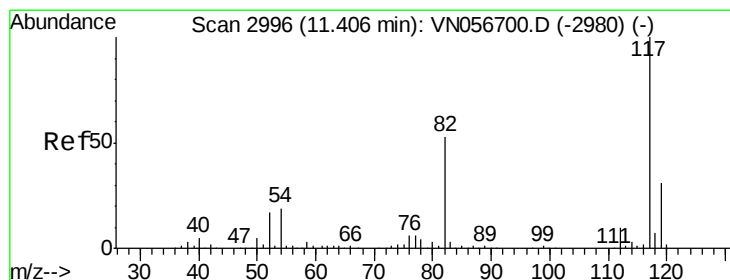
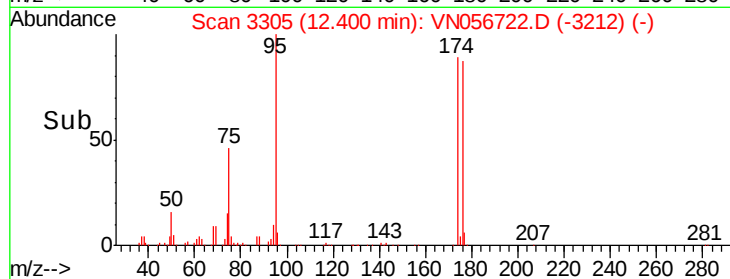
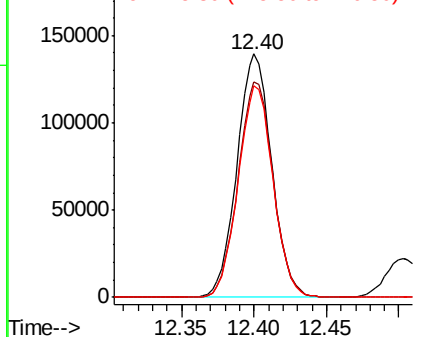
#62
4-Bromofluorobenzene
Concen: 55.283 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion: 95 Resp: 231649
Ion Ratio Lower Upper
95 100
174 89.6 0.0 180.0
176 87.5 0.0 173.2

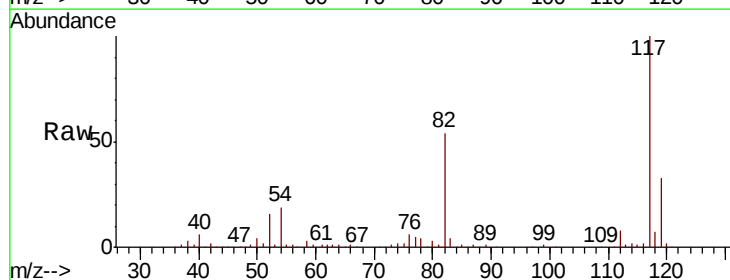


Abundance Ion 94.90 (94.60 to 95.60): VN056722.D (-3212) (-)
Ion 173.80 (173.50 to 174.50): VN056722.D (-3212) (-)
Ion 175.80 (175.50 to 176.50): VN056722.D (-3212) (-)

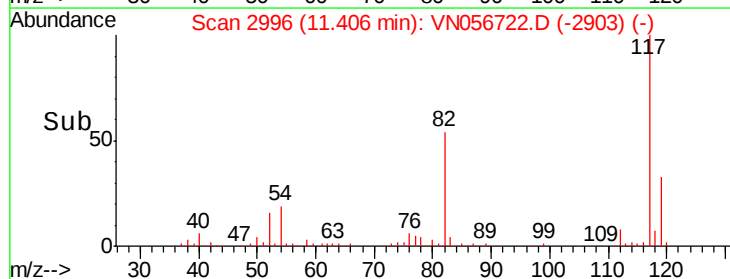
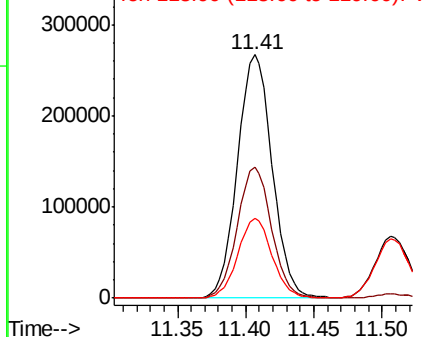


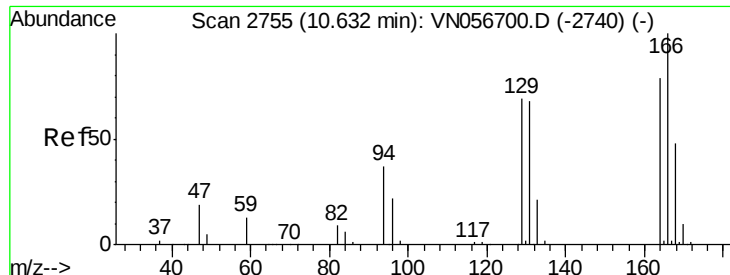
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion: 117 Resp: 472710
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.2
119 32.9 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN056722.D (-2903) (-)
Ion 82.00 (81.70 to 82.70): VN056722.D (-2903) (-)
Ion 118.90 (118.60 to 119.60): VN056722.D (-2903) (-)





#64

Tetrachloroethene

Concen: 46.024 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion:164 Resp: 187693

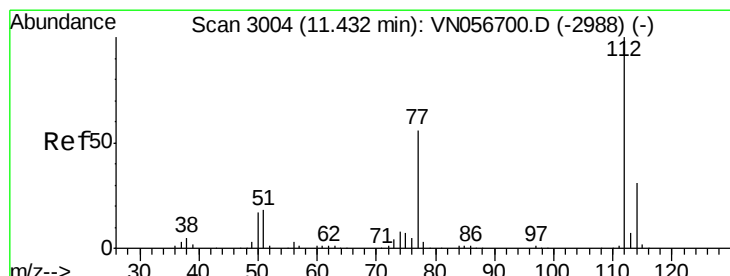
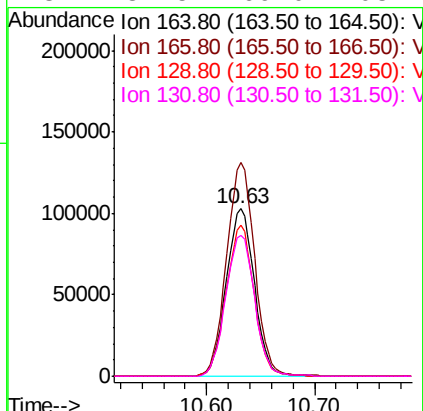
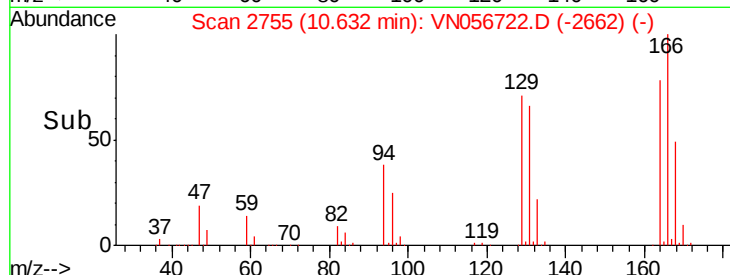
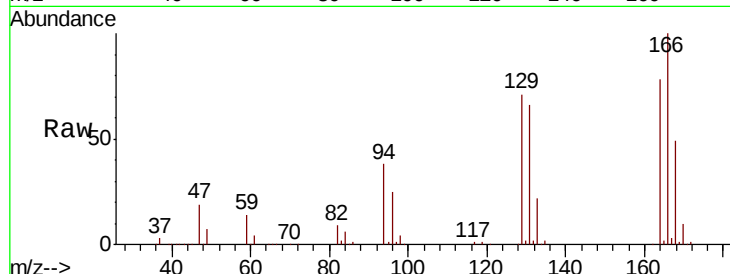
Ion Ratio Lower Upper

164 100

166 127.6 101.4 152.2

129 90.3 69.6 104.4

131 84.5 69.0 103.4



#65

Chlorobenzene

Concen: 48.558 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056722.D

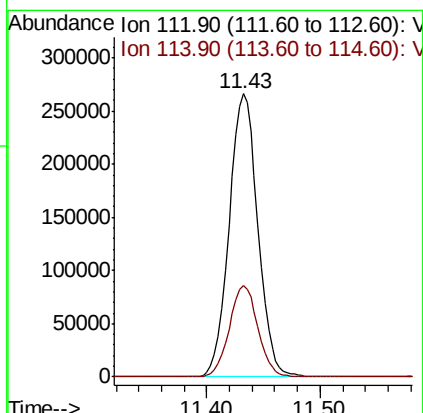
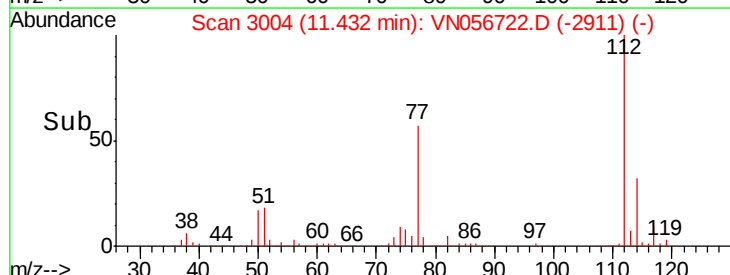
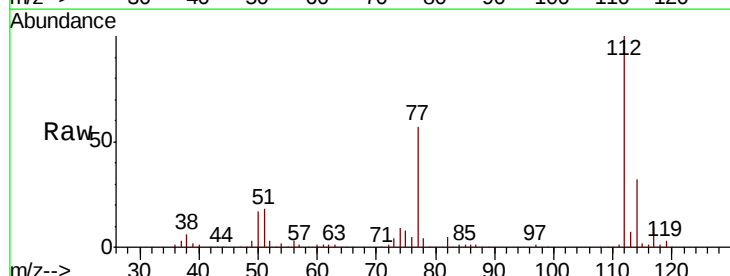
Acq: 15 Jul 2019 19:09

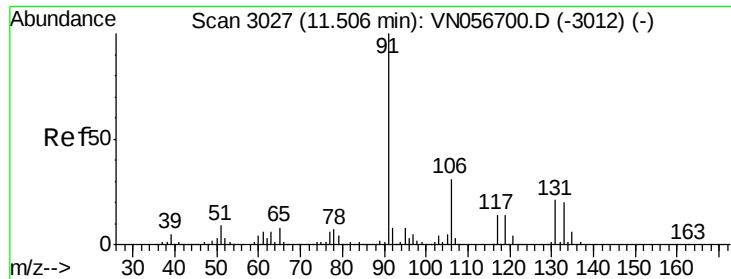
Tgt Ion:112 Resp: 469342

Ion Ratio Lower Upper

112 100

114 32.1 25.2 37.8

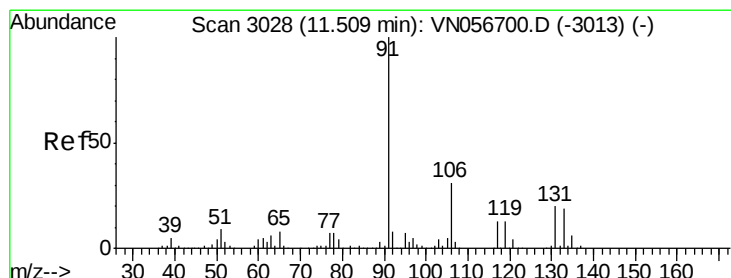
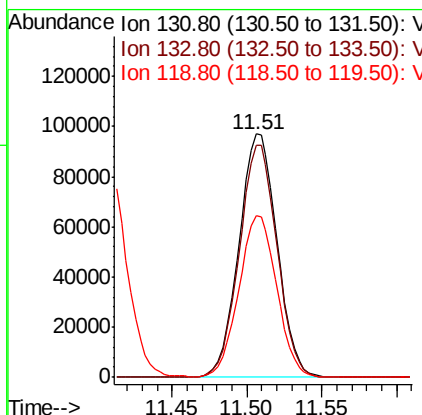
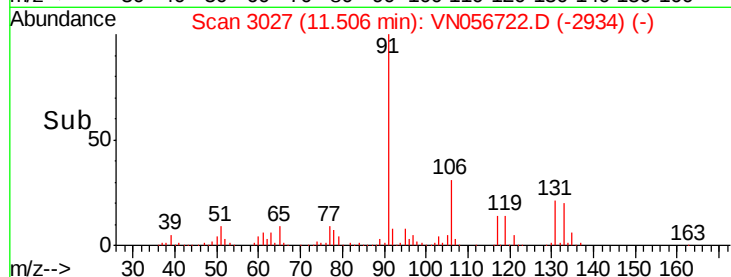
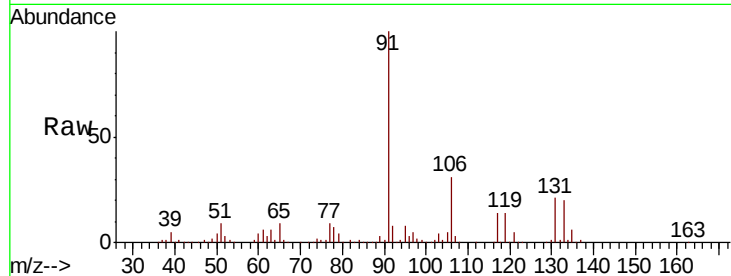




#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.258 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

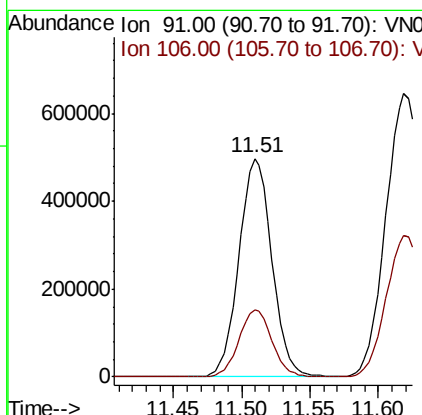
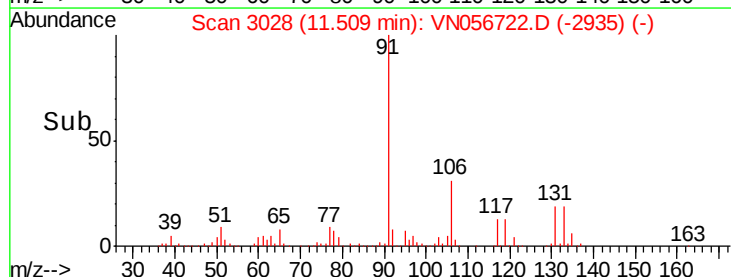
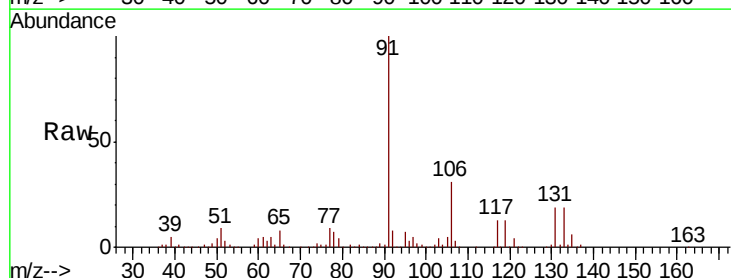
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

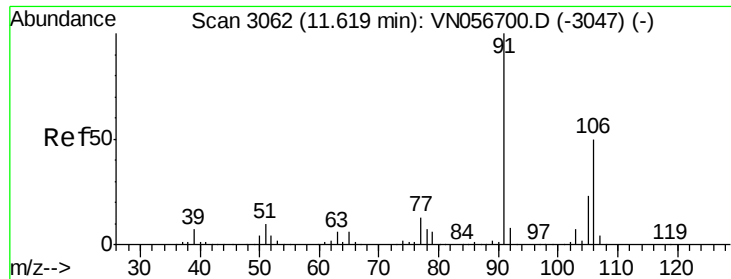
Tot Ion:131 Resp: 171742
 Ion Ratio Lower Upper
 131 100
 133 94.9 46.9 140.7
 119 66.3 32.8 98.3



#67
 Ethyl Benzene
 Concen: 49.020 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion: 91 Resp: 832677
 Ion Ratio Lower Upper
 91 100
 106 30.9 24.8 37.2

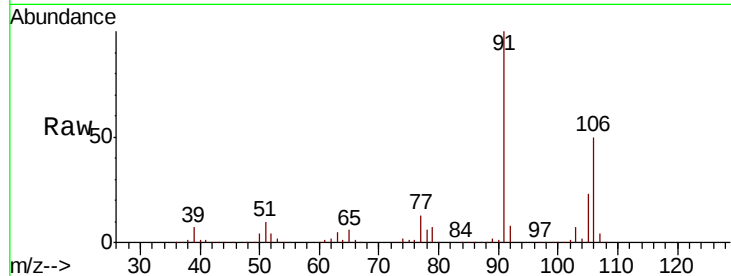




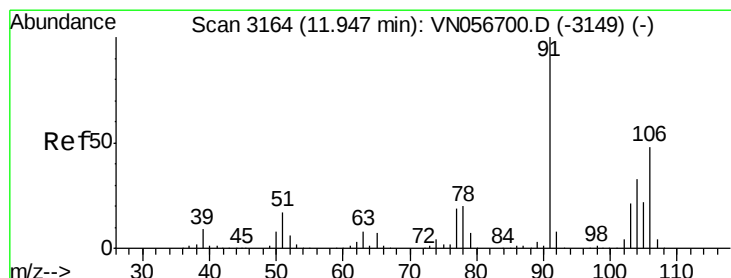
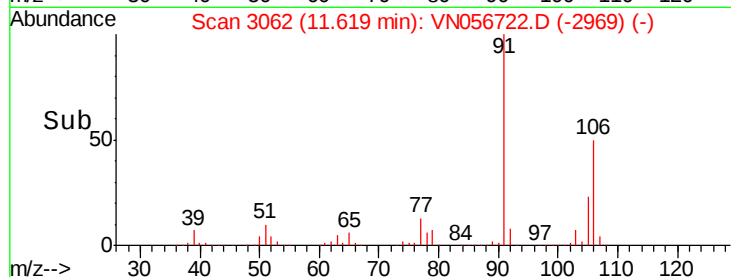
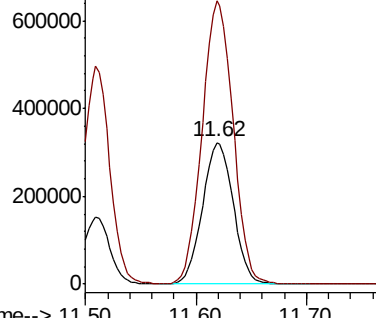
#68
m/p-Xylenes
Concen: 98.246 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

Tot Ion:106 Resp: 623693
Ion Ratio Lower Upper
106 100
91 200.9 160.5 240.7

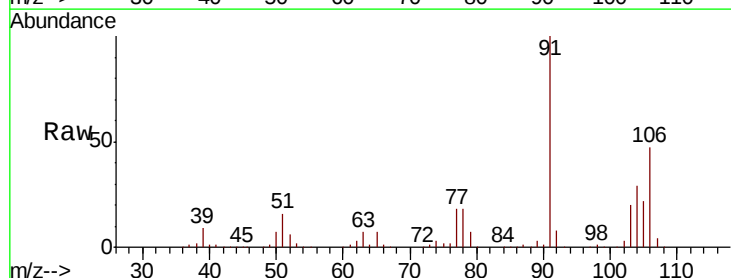


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

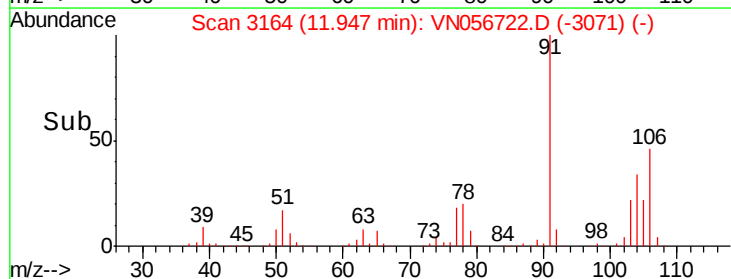
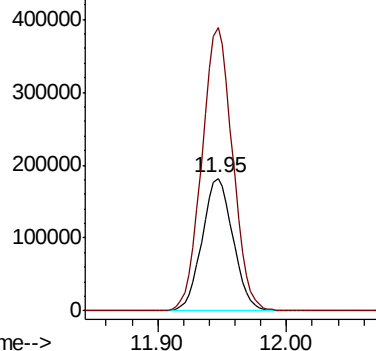


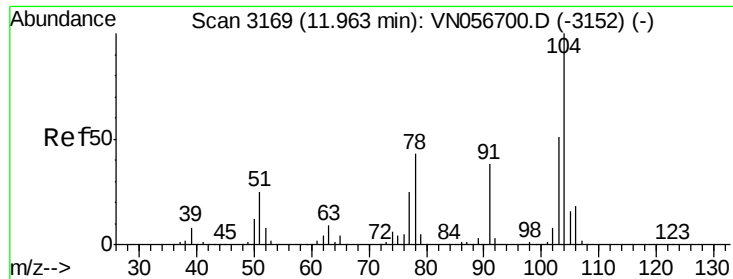
#69
o-Xylene
Concen: 48.461 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion:106 Resp: 302449
Ion Ratio Lower Upper
106 100
91 212.5 105.6 316.8



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

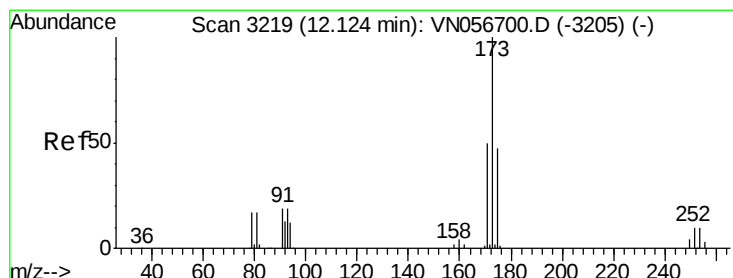
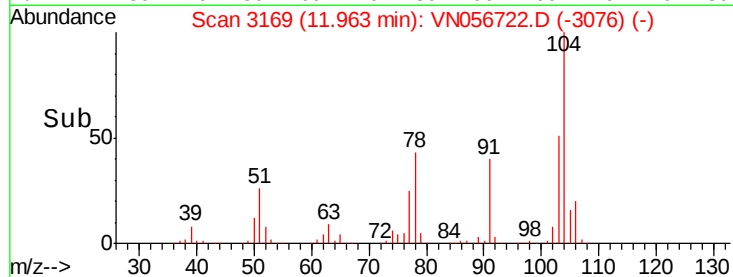
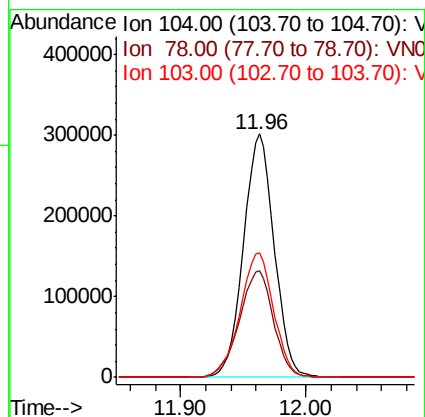
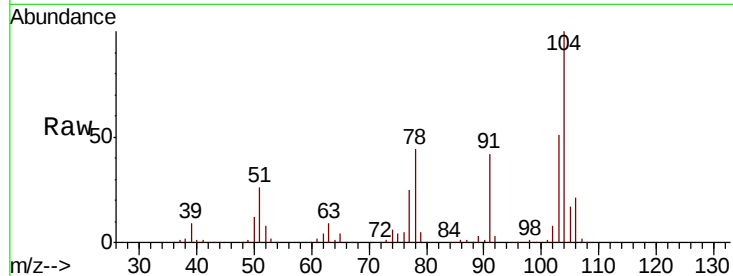




#70
Stvrene
Concen: 50.879 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

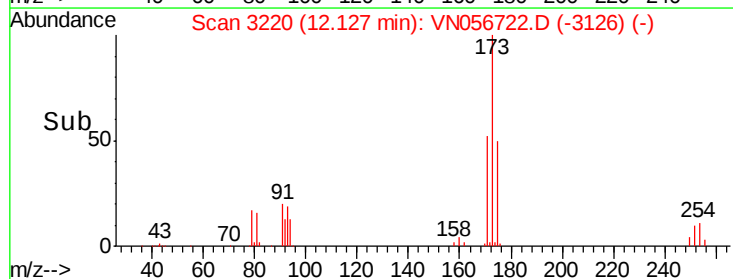
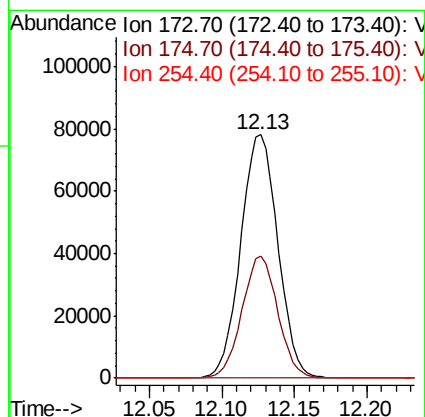
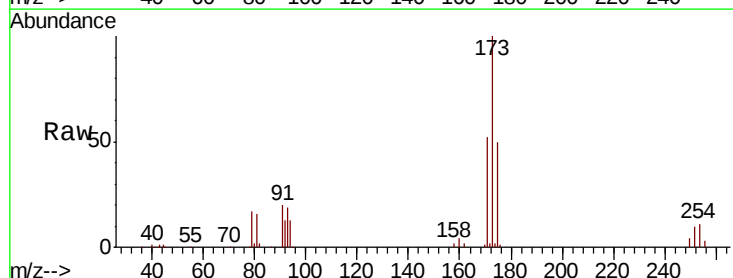
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

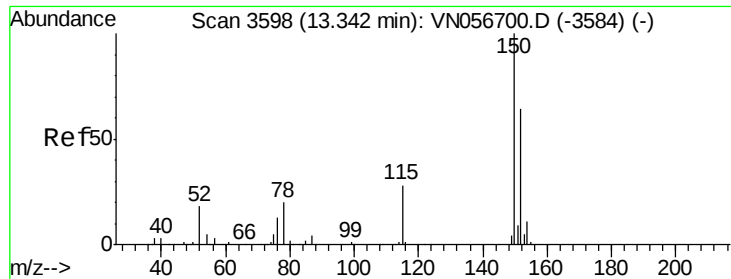
Tot Ion:104 Resp: 513375
Ion Ratio Lower Upper
104 100
78 48.4 38.6 57.8
103 55.9 44.2 66.4



#71
Bromoform
Concen: 51.390 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion:173 Resp: 139154
Ion Ratio Lower Upper
173 100
175 48.2 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: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

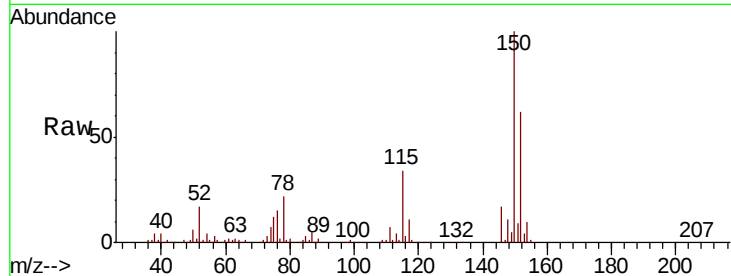
Tot Ion:152 Resp: 222104

Ion Ratio Lower Upper

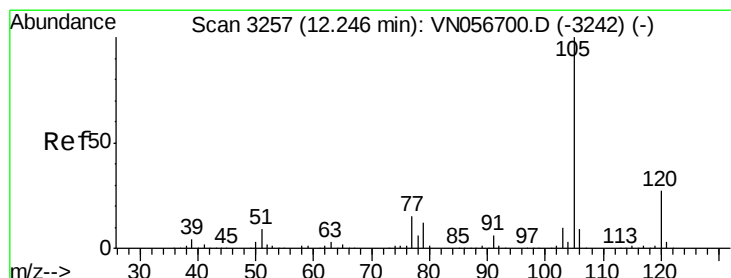
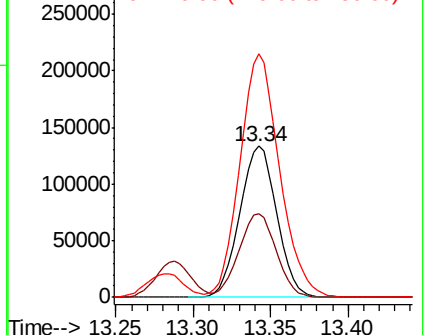
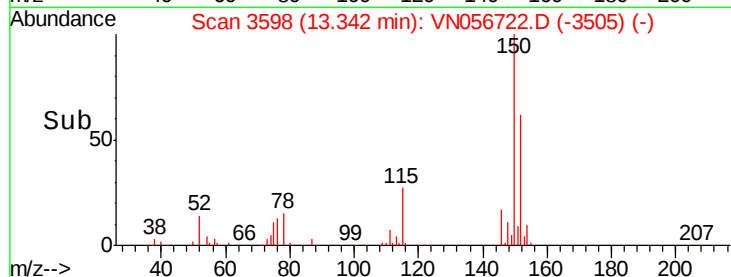
152 100

115 55.6 28.2 84.7

150 172.8 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: 44.739 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056722.D

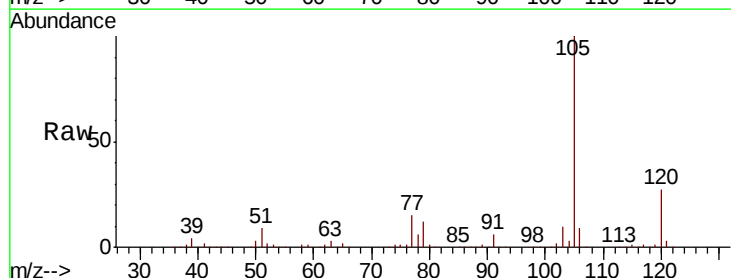
Acq: 15 Jul 2019 19:09

Tgt Ion:105 Resp: 801201

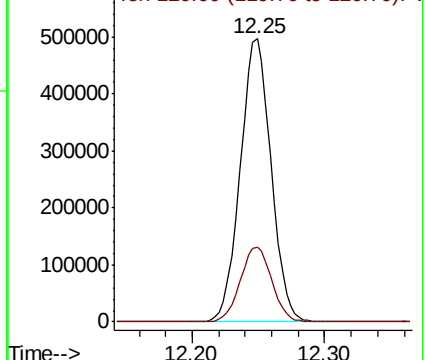
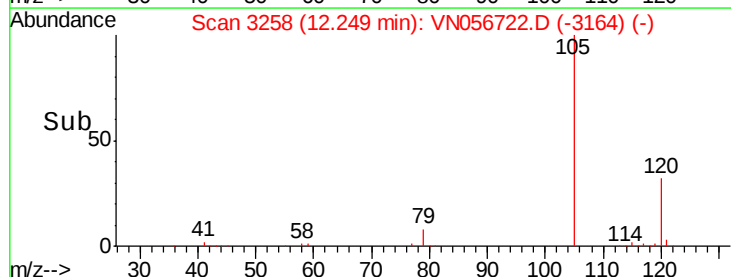
Ion Ratio Lower Upper

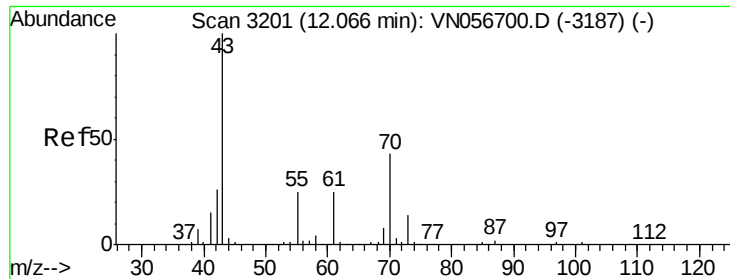
105 100

120 27.0 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-amvl acetate

Concen: 42.851 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

Tot Ion: 43 Resp: 285798

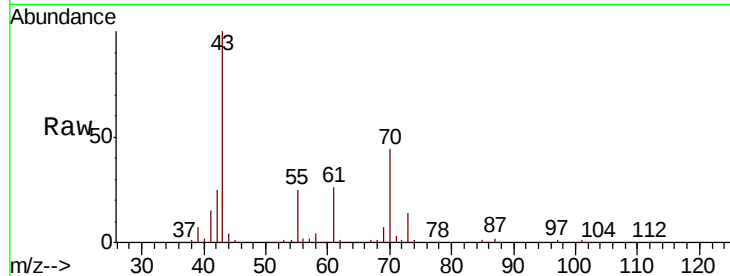
Ion Ratio Lower Upper

43 100

70 43.8 34.5 51.7

55 25.5 20.2 30.2

61 25.5 19.9 29.9

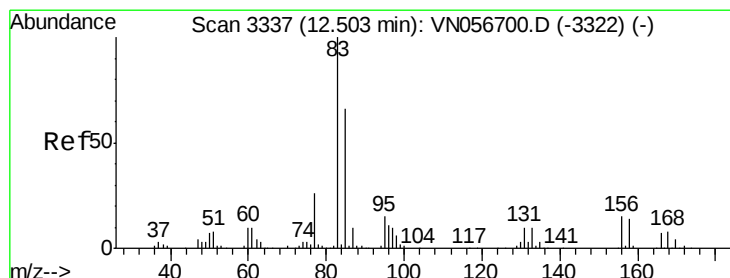
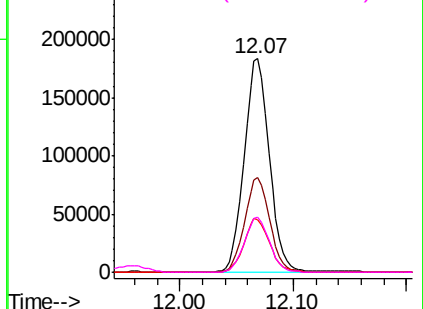
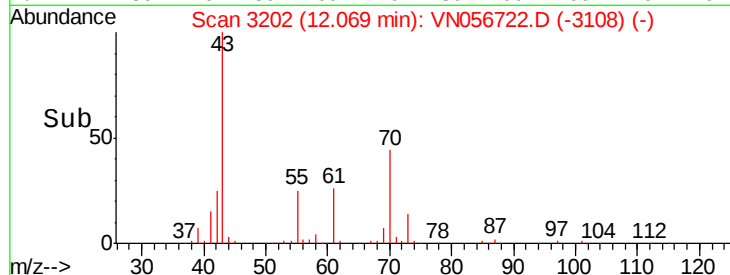


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 49.108 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

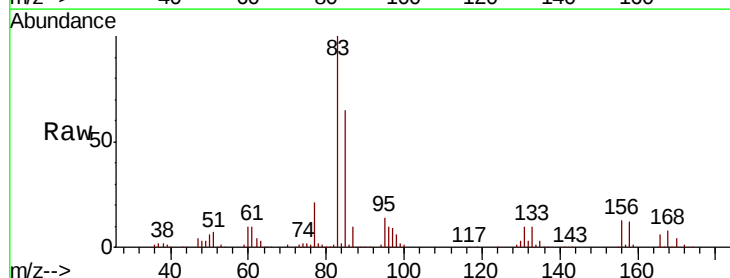
Tgt Ion: 83 Resp: 254842

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

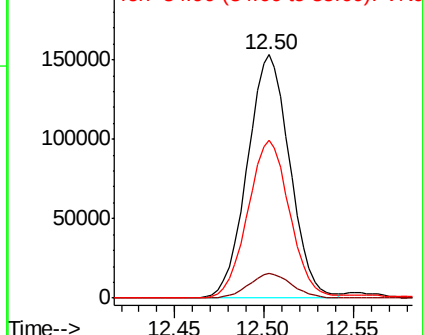
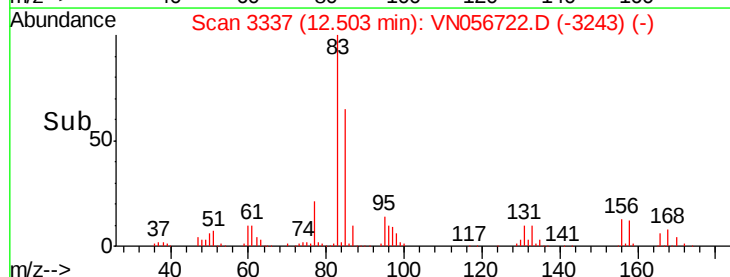
85 64.2 32.6 97.8

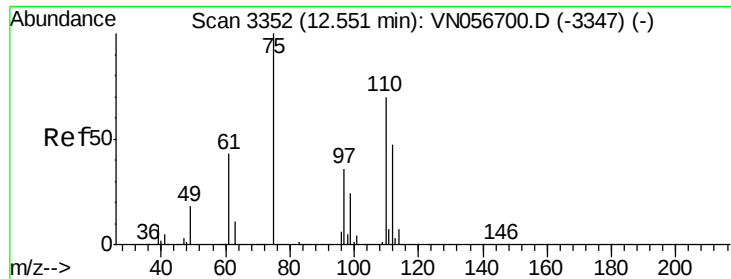


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

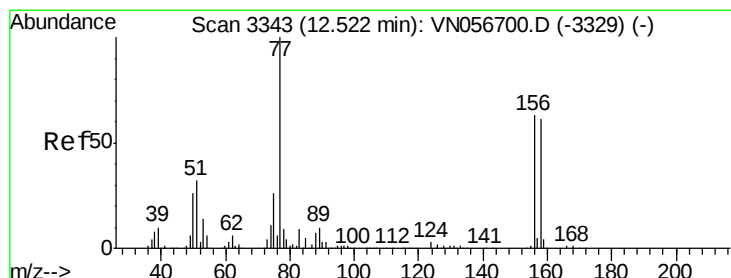
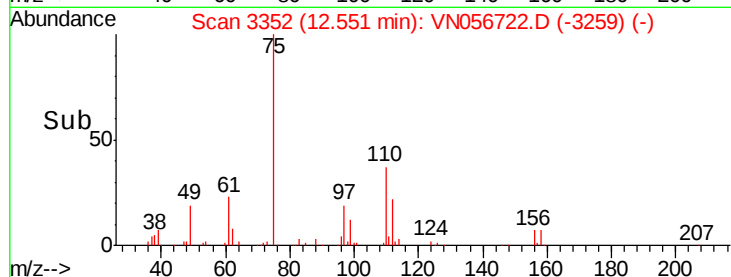
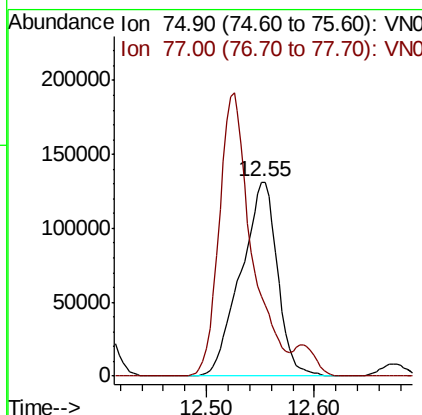
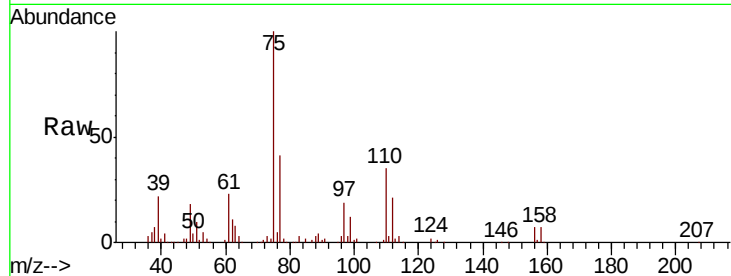




#76
 1,2,3-Trichloropropane
 Concen: 63.836 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

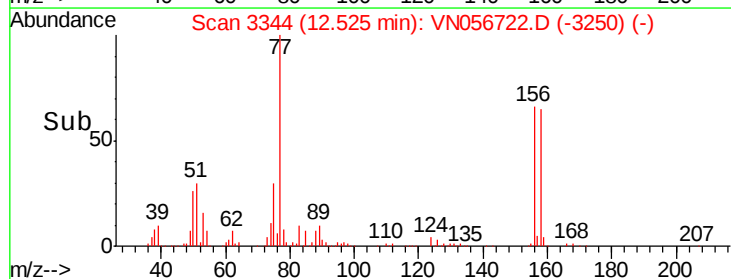
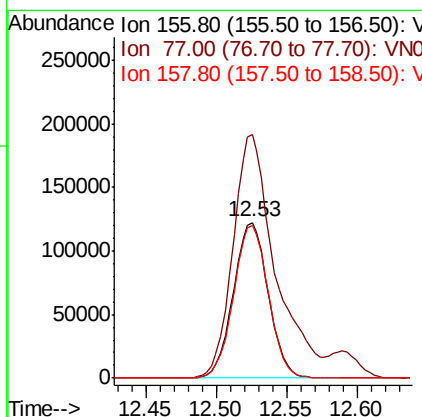
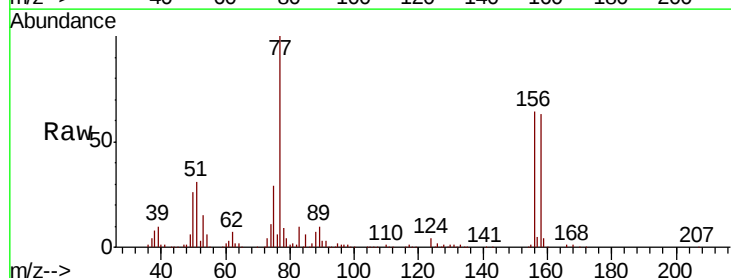
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

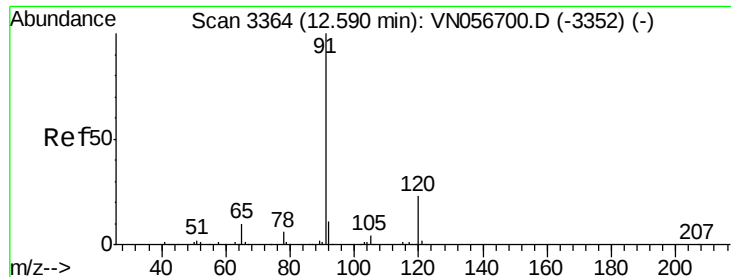
Tot Ion: 75 Resp: 310101
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 45.141 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion: 156 Resp: 211446
 Ion Ratio Lower Upper
 156 100
 77 190.1 97.2 291.6
 158 97.9 48.9 146.8





#78

n-propylbenzene

Concen: 45.531 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

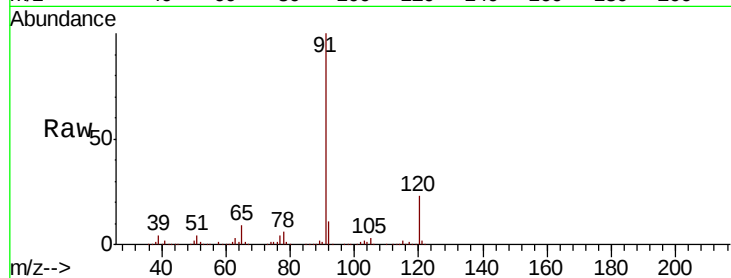
SA-TW532-2126MS

Tot Ion: 91 Resp: 905230

Ion Ratio Lower Upper

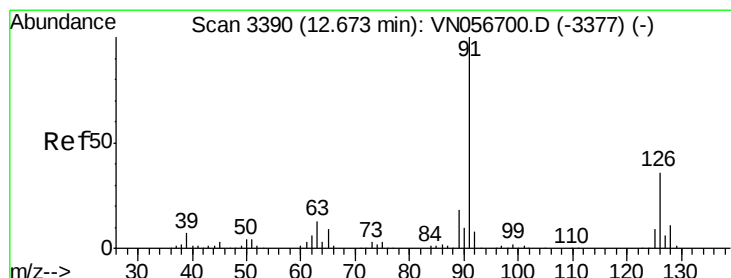
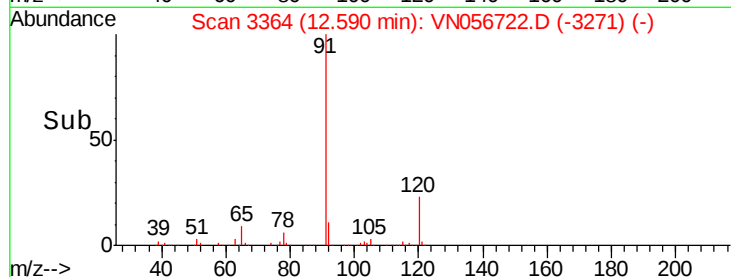
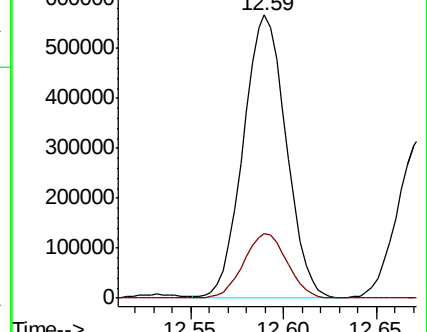
91 100

120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 48.628 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056722.D

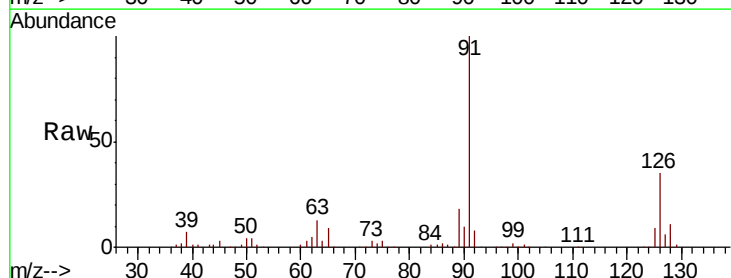
Acq: 15 Jul 2019 19:09

Tgt Ion: 91 Resp: 534750

Ion Ratio Lower Upper

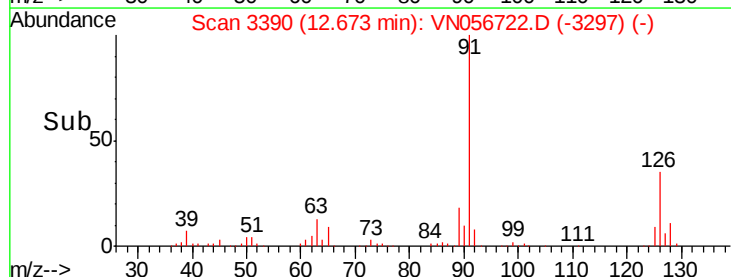
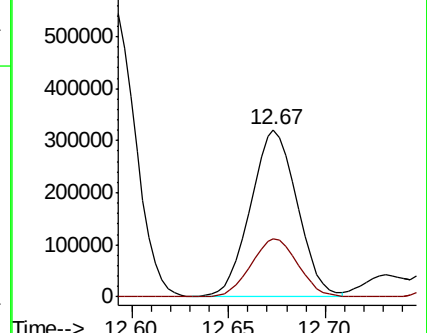
91 100

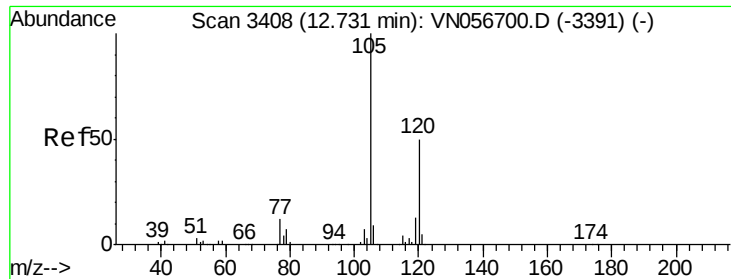
126 35.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

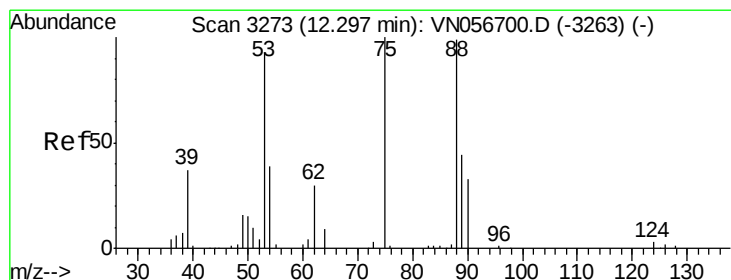
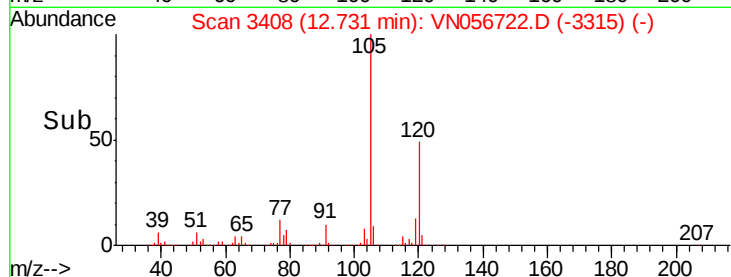
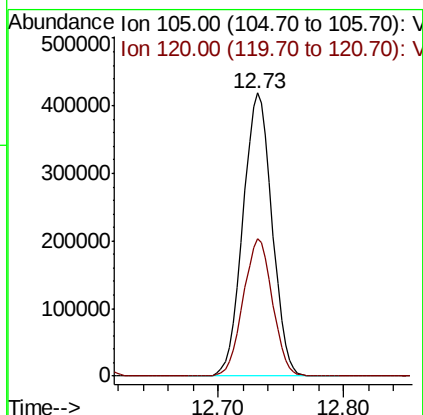
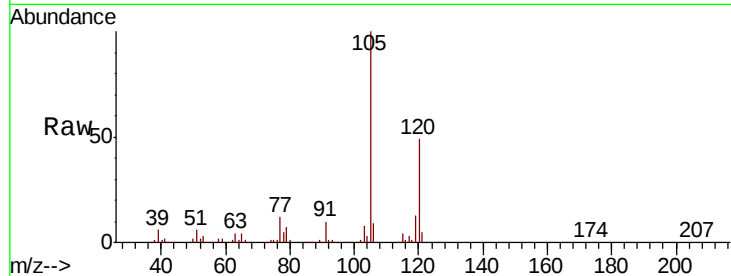




#80
 1,3,5-Trimethylbenzene
 Concen: 44.362 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

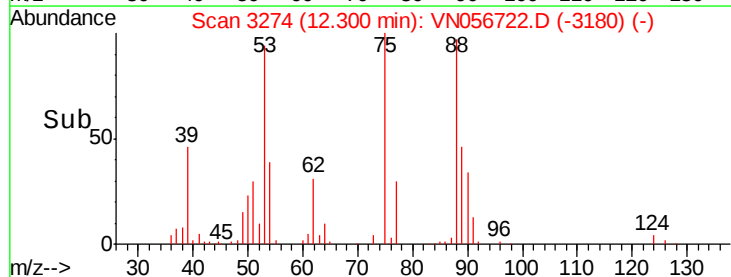
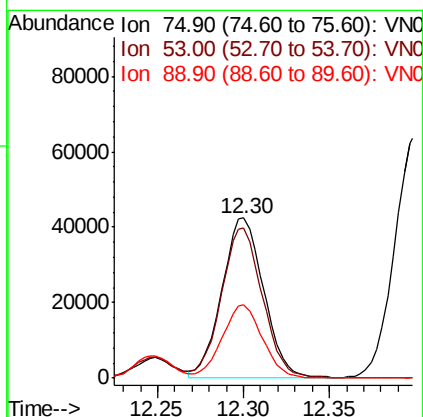
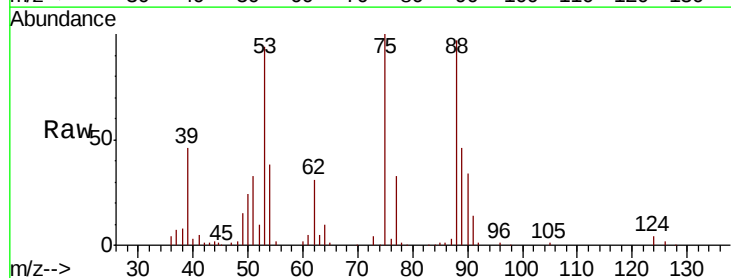
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

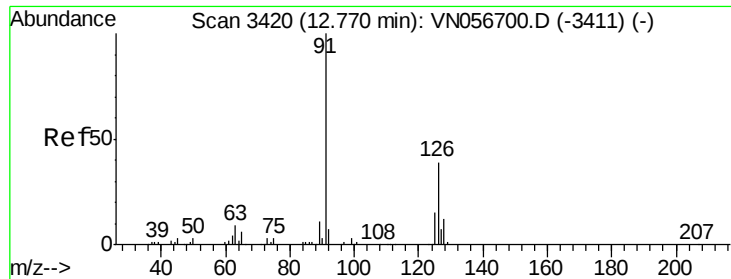
Tot Ion:105 Resp: 673334
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.8 74.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.835 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion: 75 Resp: 72096
 Ion Ratio Lower Upper
 75 100
 53 92.7 73.7 110.5
 89 44.4 36.2 54.2





#82

4-Chlorotoluene

Concen: 45.749 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

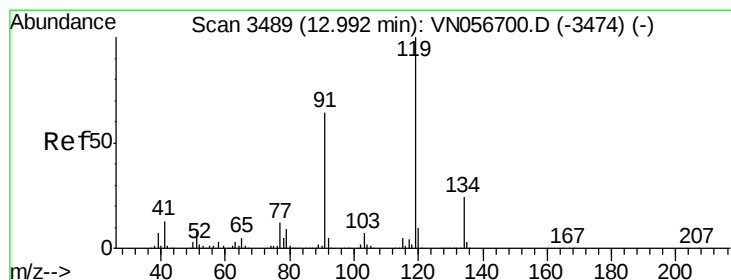
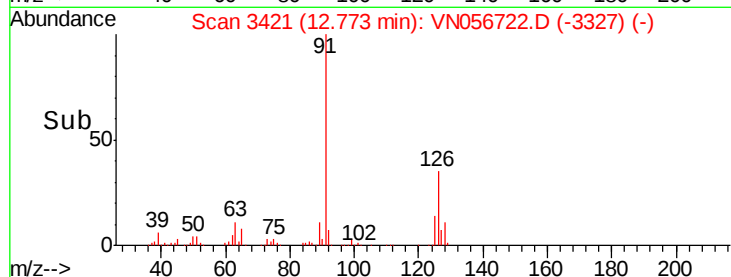
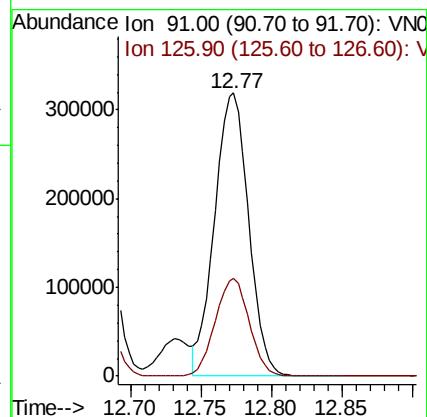
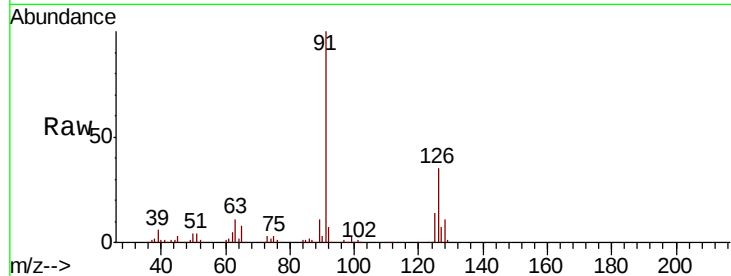
SA-TW532-2126MS

Tot Ion: 91 Resp: 533781

Ion Ratio Lower Upper

91 100

126 34.5 17.6 52.8



#83

tert-Butylbenzene

Concen: 48.423 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

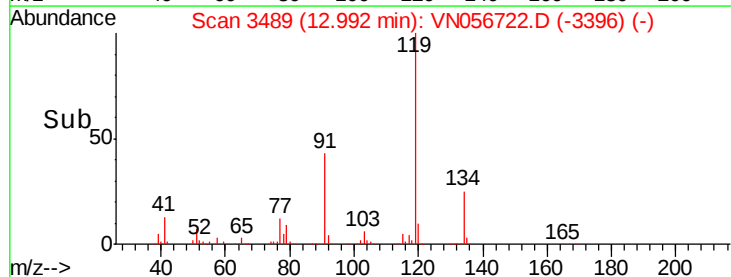
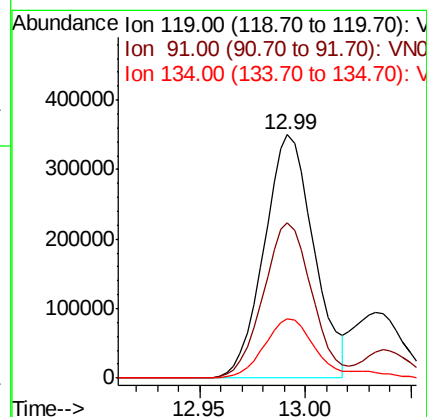
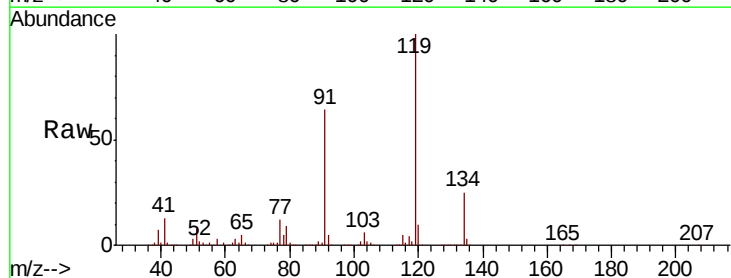
Tgt Ion: 119 Resp: 573479

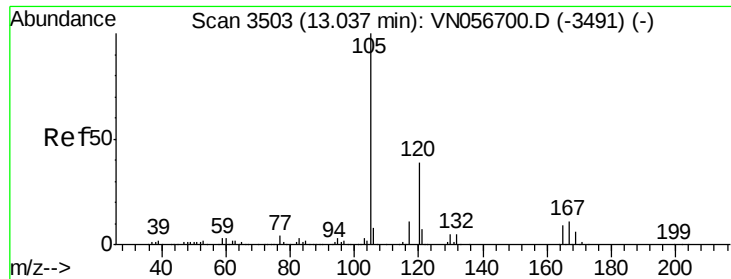
Ion Ratio Lower Upper

119 100

91 62.6 31.8 95.4

134 26.5 13.0 38.9

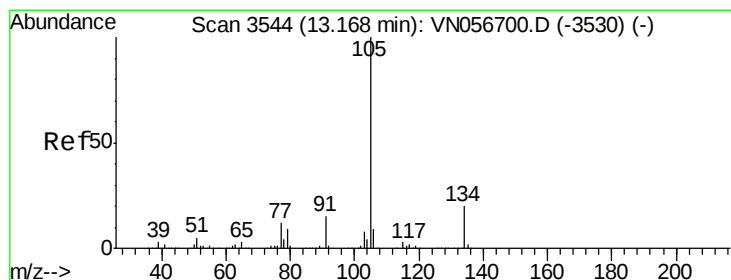
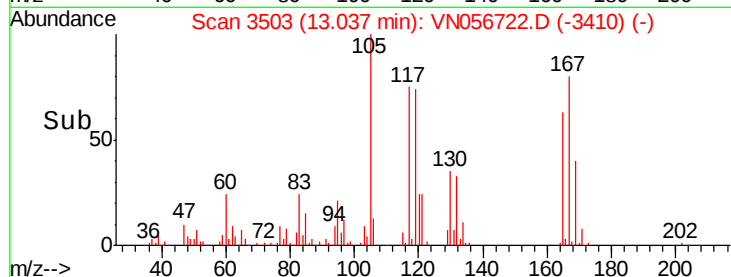
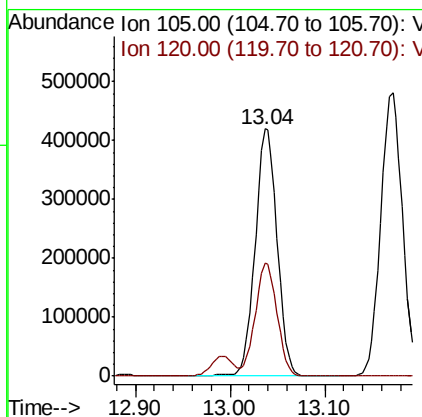
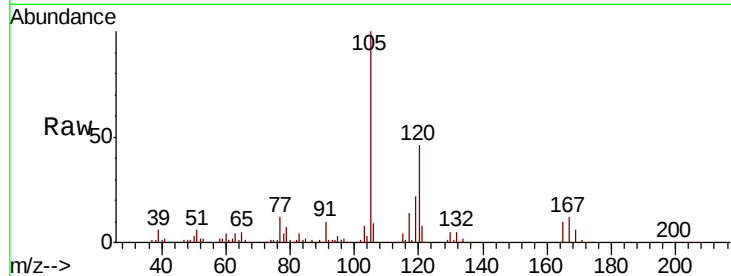




#84
 1,2,4-Trimethylbenzene
 Concen: 45.548 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

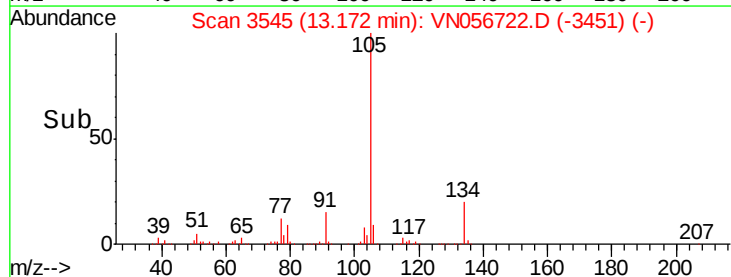
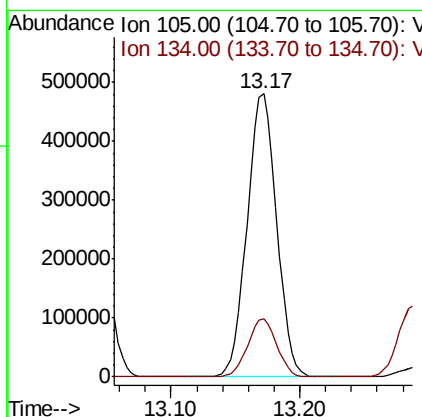
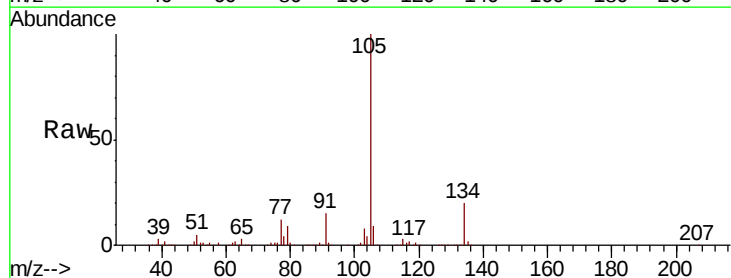
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

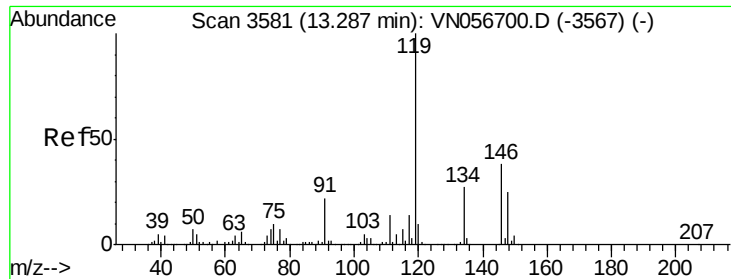
Tot Ion:105 Resp: 675375
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 45.386 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion:105 Resp: 765462
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1

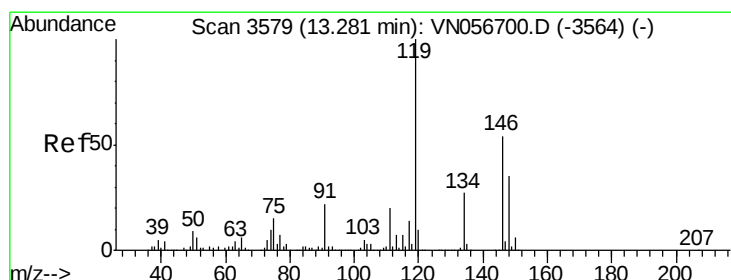
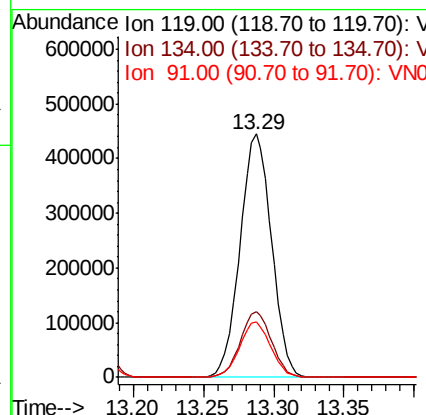
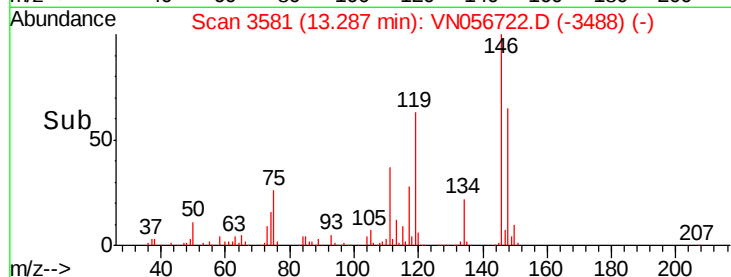
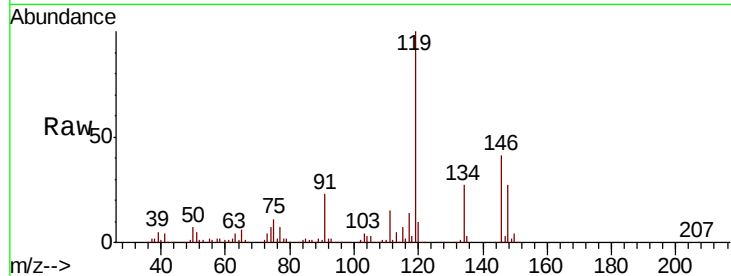




#86
 p-Isopropyltoluene
 Concen: 45.492 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

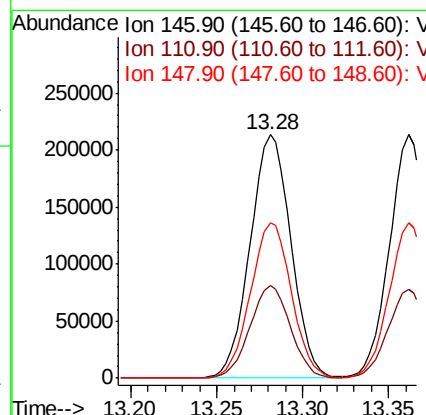
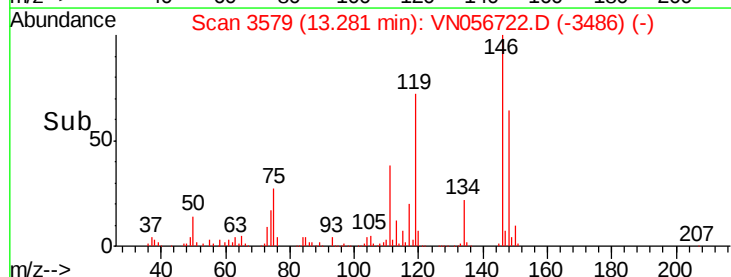
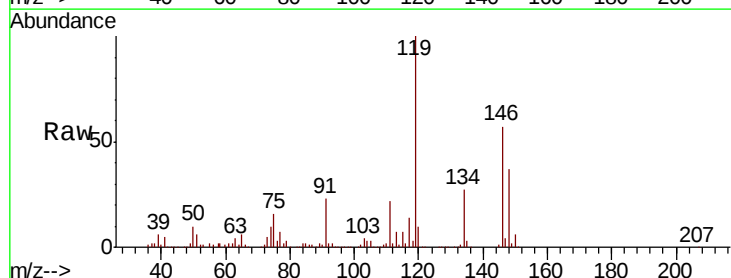
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

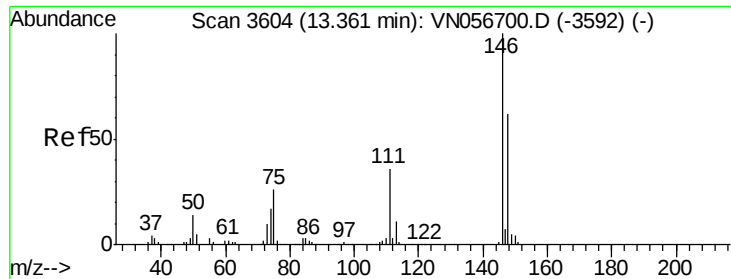
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.5	11.2	33.5



#87
 1,3-Dichlorobenzene
 Concen: 45.767 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	63.9	32.3	96.8

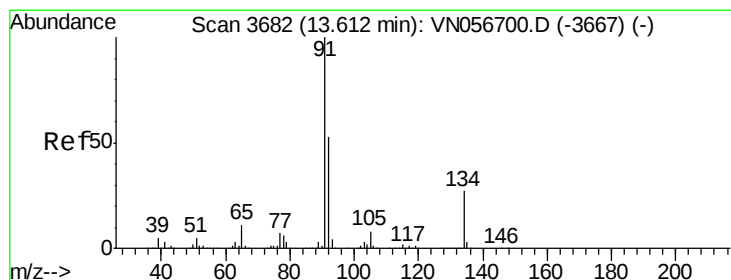
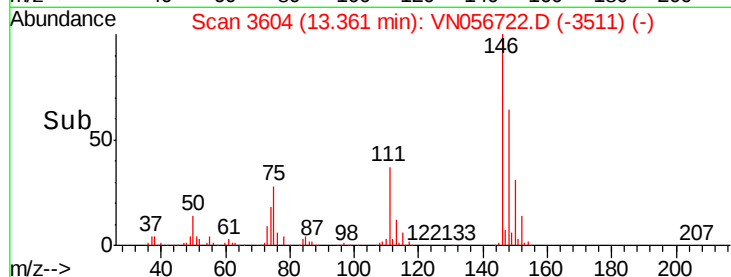
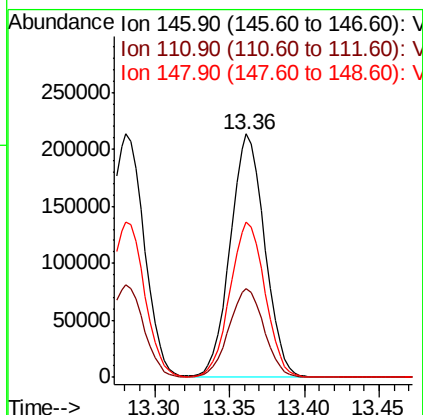
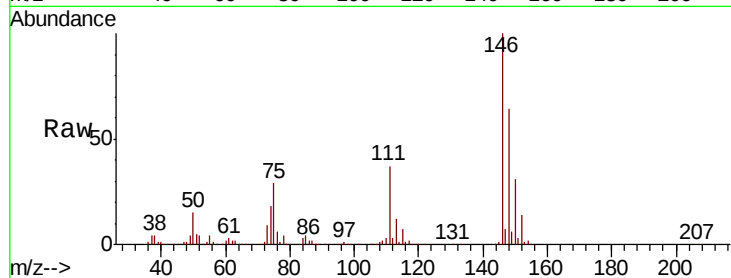




#88
 1,4-Dichlorobenzene
 Concen: 45.908 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

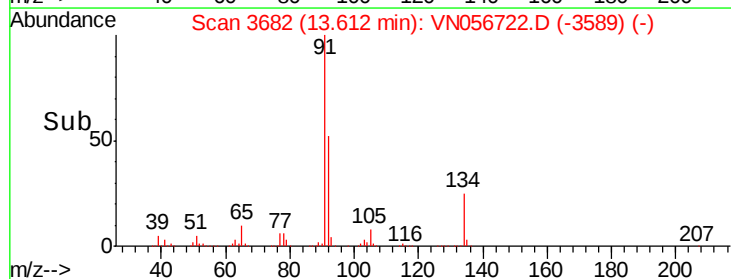
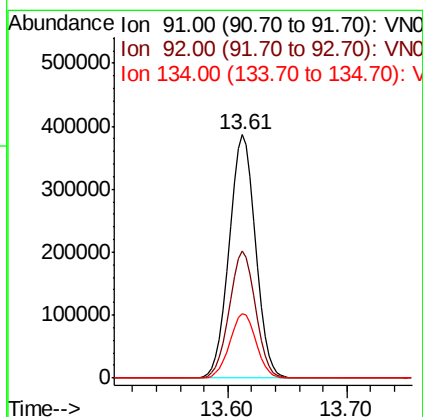
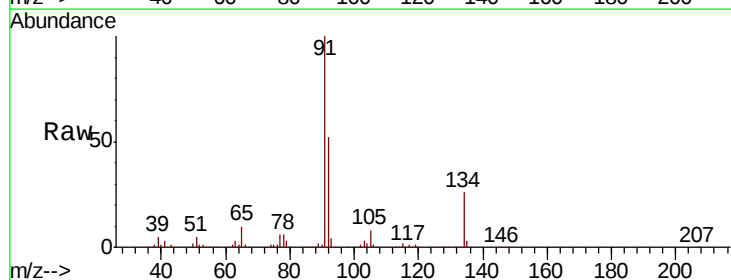
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

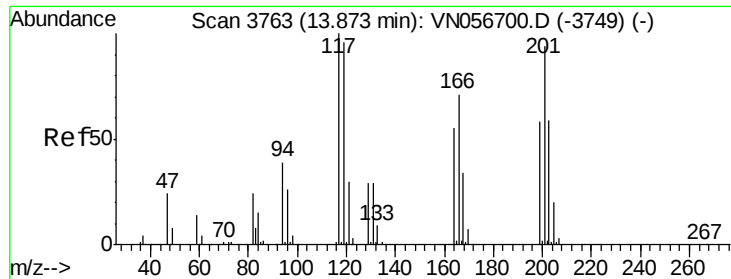
Tot Ion:146 Resp: 342797
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 64.8 31.9 95.7



#89
 n-Butylbenzene
 Concen: 48.098 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion: 91 Resp: 591943
 Ion Ratio Lower Upper
 91 100
 92 52.0 26.0 78.0
 134 26.6 13.4 40.2

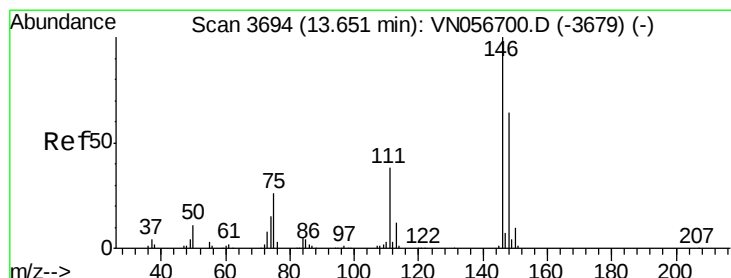
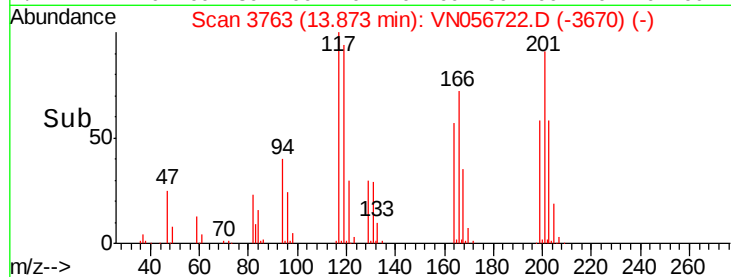
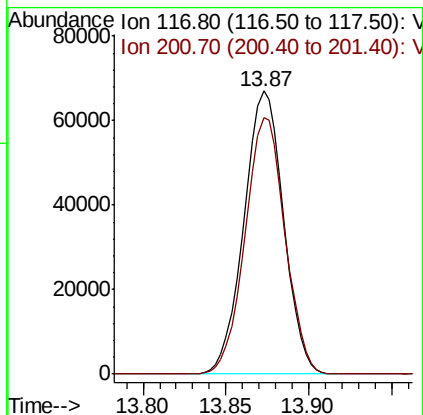
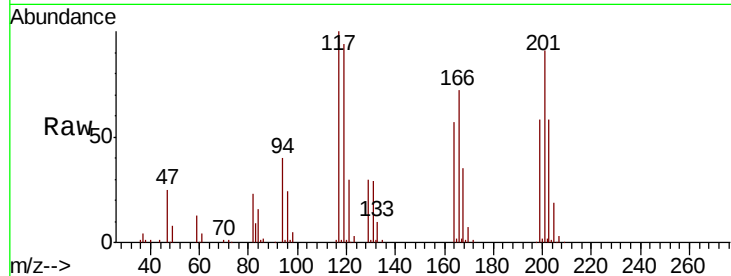




#90
Hexachloroethane
Concen: 45.105 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

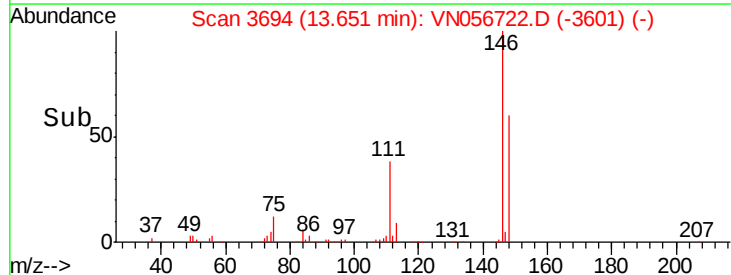
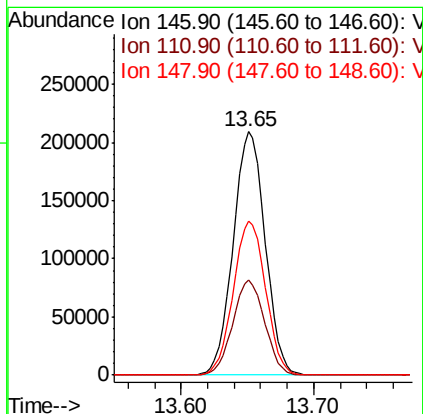
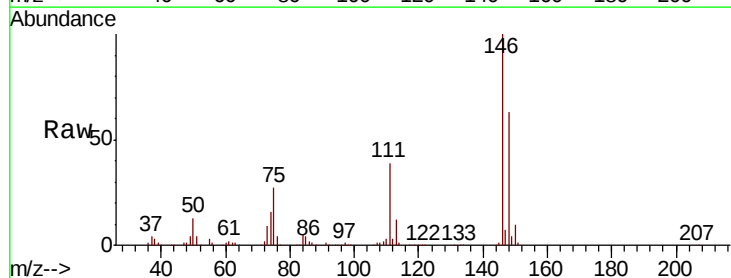
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126MS

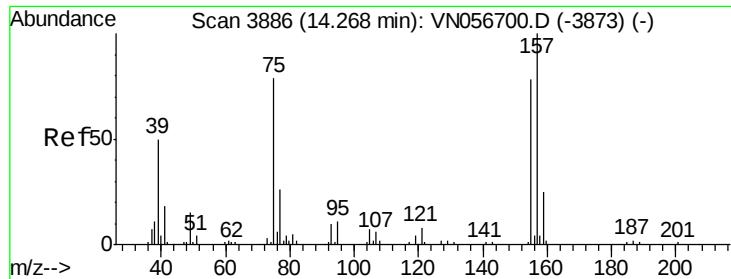
Tot Ion:117 Resp: 111443
Ion Ratio Lower Upper
117 100
201 90.9 46.5 139.5



#91
1,2-Dichlorobenzene
Concen: 44.616 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN056722.D
Acq: 15 Jul 2019 19:09

Tgt Ion:146 Resp: 350291
Ion Ratio Lower Upper
146 100
111 39.0 19.1 57.1
148 64.0 31.7 95.1

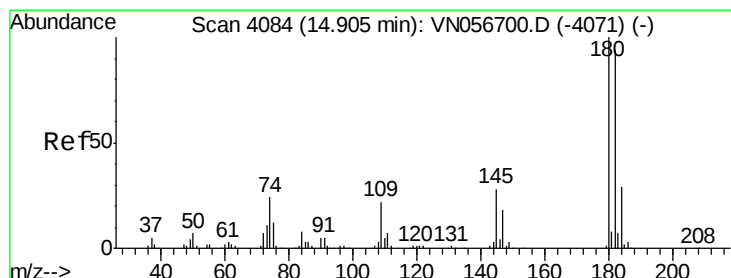
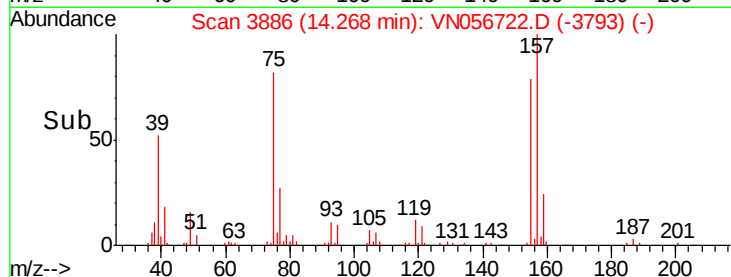
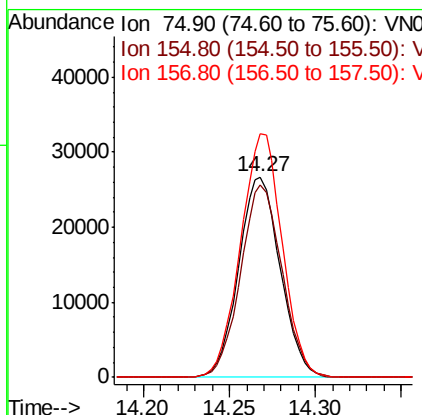
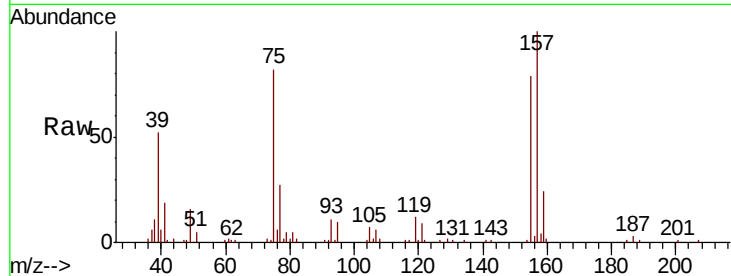




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.658 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

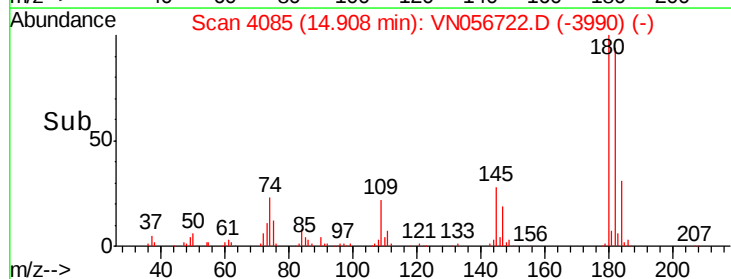
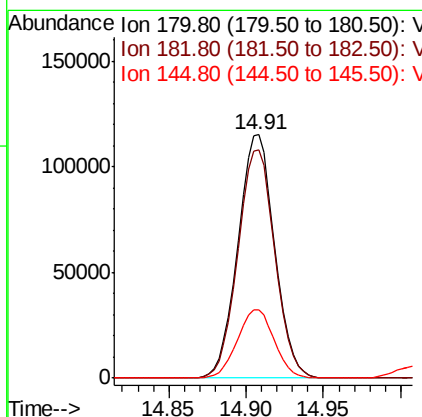
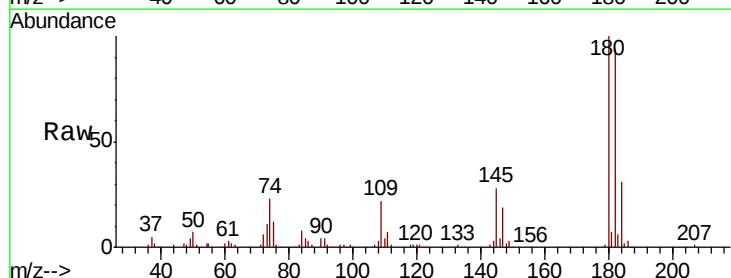
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

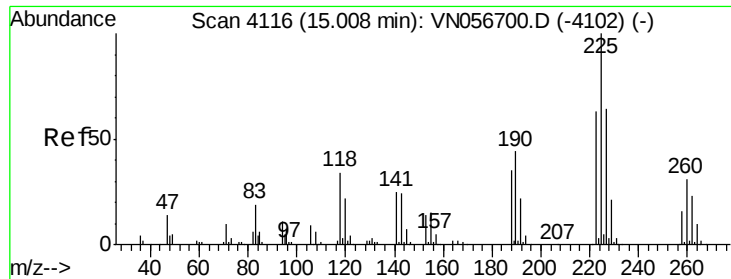
Tot Ion: 75 Resp: 44806
 Ion Ratio Lower Upper
 75 100
 155 95.3 49.3 147.9
 157 121.1 62.4 187.1



#93
 1,2,4-Trichlorobenzene
 Concen: 44.059 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Tgt Ion: 180 Resp: 189047
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.2 141.6
 145 28.4 14.2 42.8





#94

Hexachlorobutadiene

Concen: 44.971 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126MS

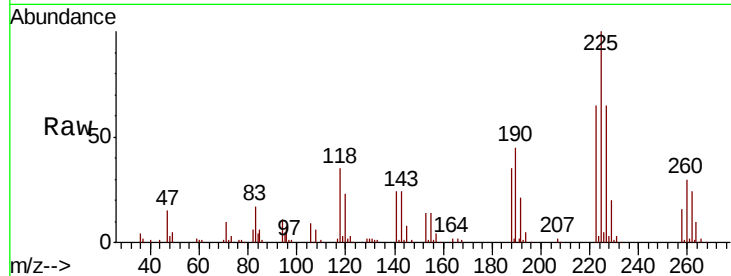
Tot Ion:225 Resp: 111249

Ion Ratio Lower Upper

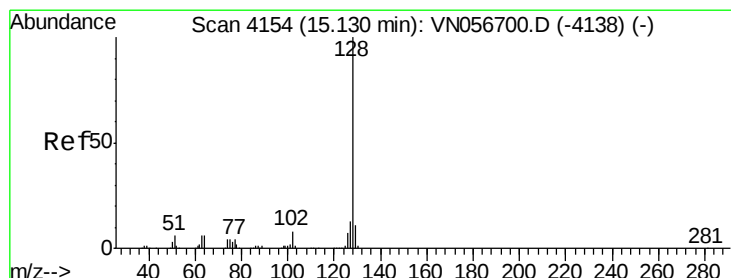
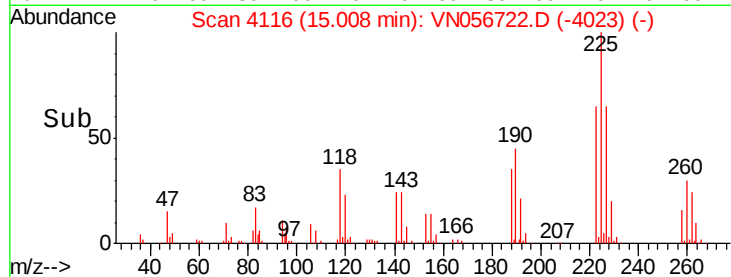
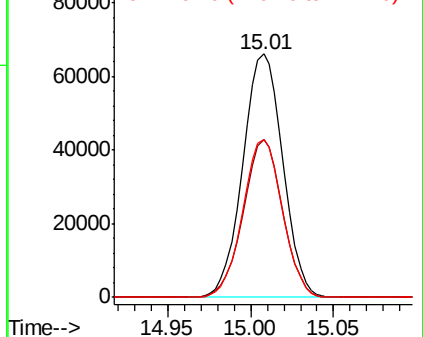
225 100

223 63.5 31.5 94.5

227 64.1 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: 42.915 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056722.D

Acq: 15 Jul 2019 19:09

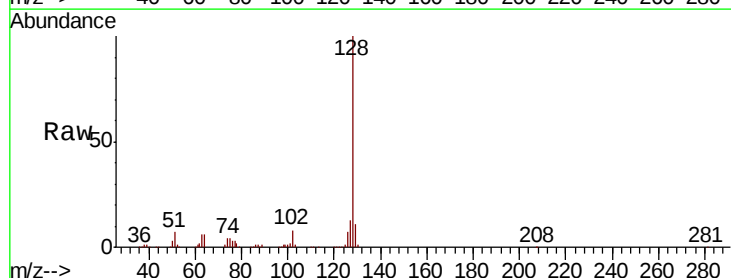
Tgt Ion:128 Resp: 502293

Ion Ratio Lower Upper

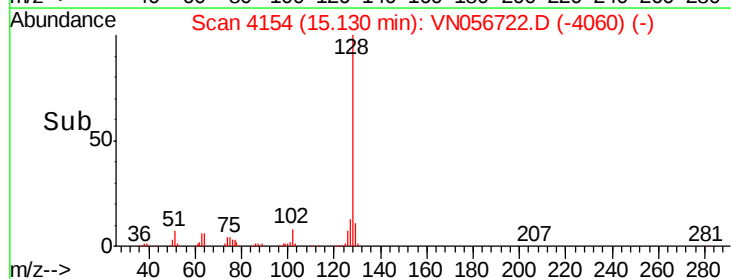
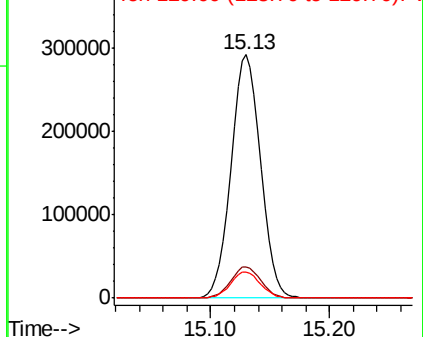
128 100

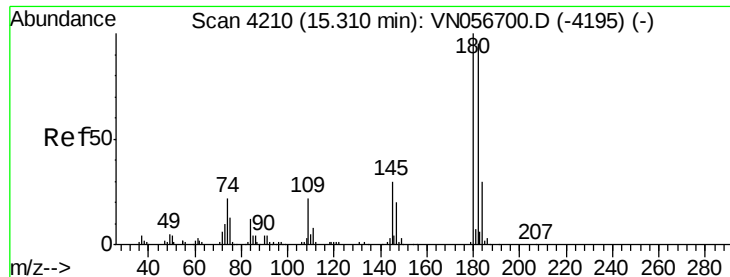
127 13.0 10.3 15.5

129 10.8 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

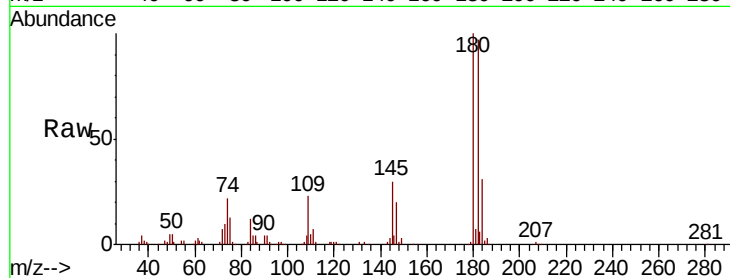




#96
 1,2,3-Trichlorobenzene
 Concen: 45.025 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN056722.D
 Acq: 15 Jul 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.1	141.3
145	30.6	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

