

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055532.D
 Acq On : 10 May 2019 6:39
 Operator : JC/SP
 Sample : K2758-25MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 09:22:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	652511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1137089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1001087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	426797	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	494132	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	380565	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
50) Toluene-d8	10.09	98	1489677	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.40	95	503171	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	300008	45.159	ug/l	99
3) Chloromethane	2.06	50	491416	45.532	ug/l	99
4) Vinyl Chloride	2.19	62	483518	47.460	ug/l	99
5) Bromomethane	2.54	94	259664	46.518	ug/l	99
6) Chloroethane	2.69	64	294598	49.643	ug/l	99
7) Trichlorofluoromethane	3.01	101	556671	49.807	ug/l	100
8) Diethyl Ether	3.41	74	252627	50.329	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	331532	46.623	ug/l	98
10) Methyl Iodide	3.95	142	463495	48.225	ug/l	99
11) Tert butyl alcohol	4.81	59	327539	225.793	ug/l	99
12) 1,1-Dichloroethene	3.73	96	348542	48.873	ug/l	99
13) Acrolein	3.61	56	194936	201.633	ug/l	98
14) Allyl chloride	4.32	41	677540	46.379	ug/l	98
15) Acrylonitrile	4.99	53	1057659	235.464	ug/l	99
16) Acetone	3.82	43	862698	189.641	ug/l	97
17) Carbon Disulfide	4.05	76	933450	47.957	ug/l	100
18) Methyl Acetate	4.33	43	355943	36.999	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1160089	48.955	ug/l	100
20) Methylene Chloride	4.55	84	443989	47.730	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	385616	49.872	ug/l	95
22) Diisopropyl ether	5.96	45	1468345	49.461	ug/l	99
23) Vinyl Acetate	5.90	43	4427038	192.829	ug/l	100
24) 1,1-Dichloroethane	5.85	63	784817	48.973	ug/l	100
25) 2-Butanone	6.84	43	1382985	220.079	ug/l	97
26) 2,2-Dichloropropane	6.83	77	354273	35.463	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	446773	49.997	ug/l	97
28) Bromochloromethane	7.20	49	423581	50.897	ug/l	96
29) Tetrahydrofuran	7.22	42	953292	229.473	ug/l	99
30) Chloroform	7.37	83	734158	49.556	ug/l	98
31) Cyclohexane	7.65	56	720853	45.463	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	565568	50.132	ug/l	99
36) 1,1-Dichloropropene	7.79	75	563150	50.271	ug/l	99
37) Ethyl Acetate	6.93	43	462535	37.851	ug/l	99
38) Carbon Tetrachloride	7.77	117	459628	48.727	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	623859	45.675	ug/l	98
40) Benzene	8.04	78	1755087	50.481	ug/l	100
41) Methacrylonitrile	7.18	41	295623	52.123	ug/l	97
42) 1,2-Dichloroethane	8.12	62	590143	48.314	ug/l	100
43) Isopropyl Acetate	8.17	43	779507	41.988	ug/l #	87
44) Trichloroethene	8.83	130	415607	50.239	ug/l	93
45) 1,2-Dichloropropane	9.12	63	487236	48.979	ug/l	99
46) Dibromomethane	9.21	93	285425	49.501	ug/l	98
47) Bromodichloromethane	9.40	83	548561	49.729	ug/l	98
48) Methyl methacrylate	9.20	41	434811	48.611	ug/l	99
49) 1,4-Dioxane	9.20	88	169766	973.791	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2815609	230.601	ug/l	99
52) Toluene	10.16	92	1011477	50.889	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	517020	48.801	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	611548	48.307	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	401535	49.860	ug/l	99
56) Ethyl methacrylate	10.43	69	589553	49.217	ug/l	98
57) 1,3-Dichloropropane	10.71	76	720708	50.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.72	63	470	12.622	ug/l #	52
59) 2-Hexanone	10.75	43	1925452	224.863	ug/l	100
60) Dibromochloromethane	10.90	129	384402	52.500	ug/l	100
61) 1,2-Dibromoethane	11.00	107	393447	50.849	ug/l	99
64) Tetrachloroethene	10.63	164	396823	48.376	ug/l	99
65) Chlorobenzene	11.43	112	1034930	50.249	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	362902	51.182	ug/l	99
67) Ethyl Benzene	11.51	91	1901359	49.153	ug/l	99
68) m/p-Xylenes	11.62	106	1405612	101.255	ug/l	99
69) o-Xylene	11.95	106	682612	50.029	ug/l	99
70) Styrene	11.96	104	1148597	52.544	ug/l	100
71) Bromoform	12.13	173	251257	52.513	ug/l	99
73) Isopropylbenzene	12.25	105	1804501	51.343	ug/l	99
74) N-amyl acetate	12.07	43	566666	34.972	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	563678	49.224	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	662602	57.028	ug/l #	100
77) Bromobenzene	12.53	156	420280	44.683	ug/l	96
78) n-propylbenzene	12.59	91	2057666	44.950	ug/l	99
79) 2-Chlorotoluene	12.67	91	1244685	43.630	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1535597	44.988	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	124871	39.656	ug/l	99
82) 4-Chlorotoluene	12.77	91	1228253	45.564	ug/l	98
83) tert-Butylbenzene	12.99	119	1273481	43.527	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1474495	47.102	ug/l	99
85) sec-Butylbenzene	13.17	105	1696977	43.643	ug/l	99
86) p-Isopropyltoluene	13.29	119	1440669	45.526	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	702222	48.316	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	679630	47.383	ug/l	100
89) n-Butylbenzene	13.61	91	1103790	45.000	ug/l	100
90) Hexachloroethane	13.87	117	229989	44.554	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	705980	48.602	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86711	44.182	ug/l	98

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QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

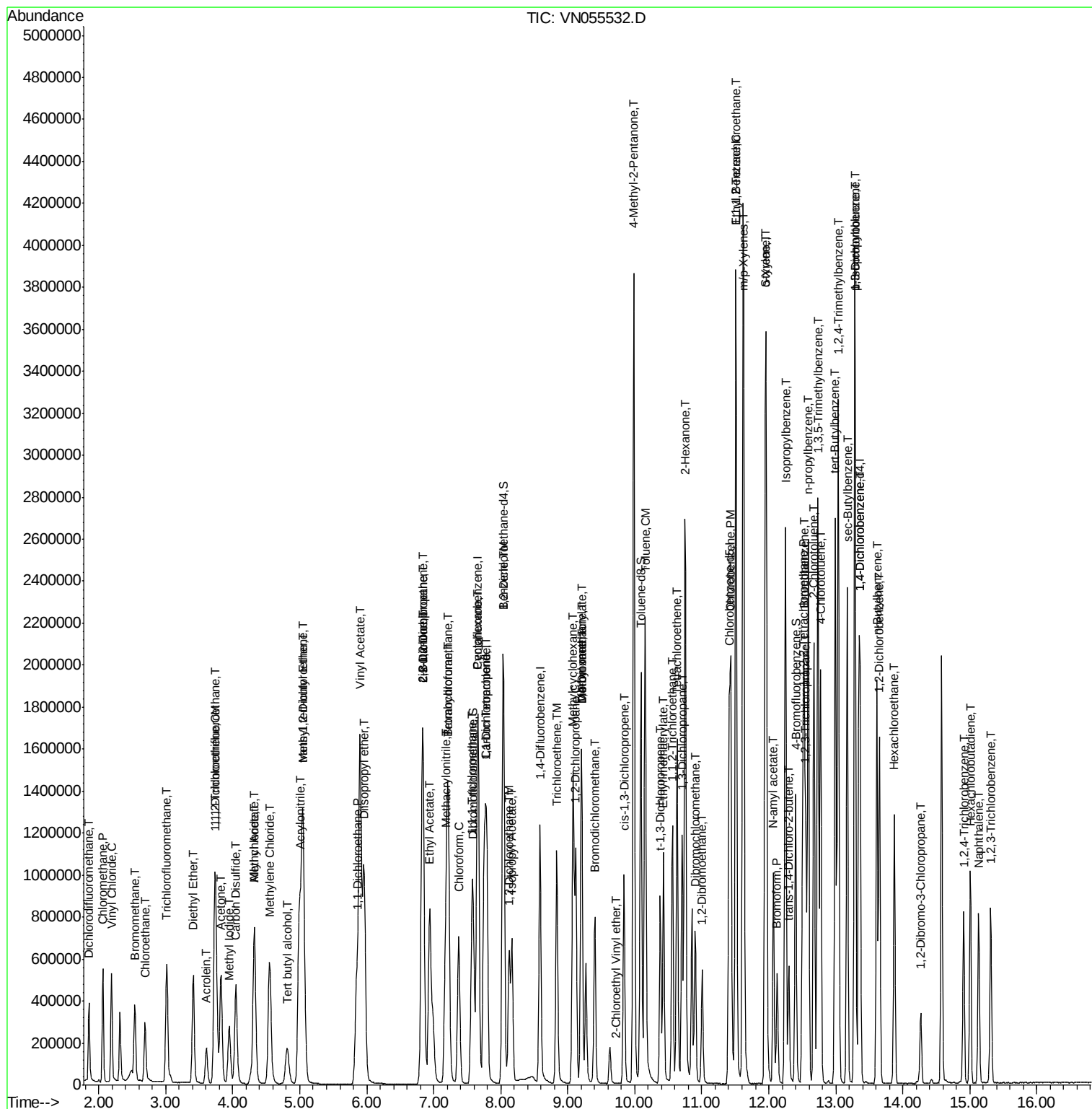
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	260253	41.716	ug/l	98
94) Hexachlorobutadiene	15.01	225	200730	46.535	ug/l	99
95) Naphthalene	15.13	128	690942	39.484	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	287860	42.417	ug/l	99

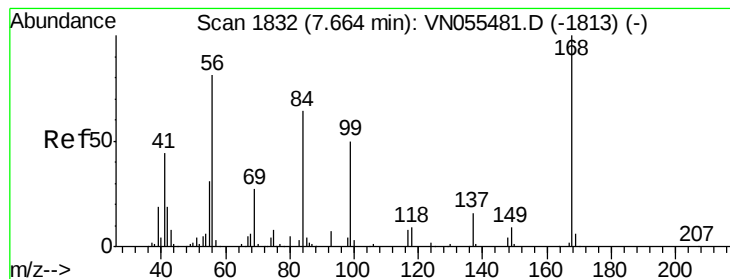
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

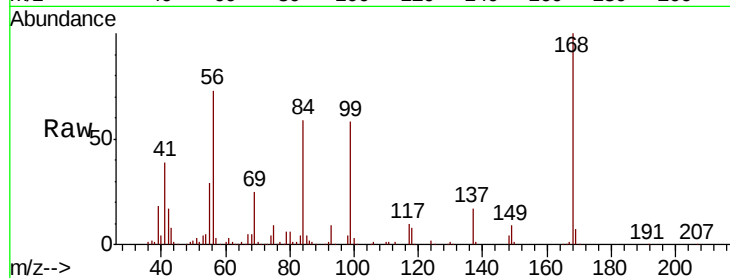
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 652511

Ion Ratio Lower Upper

168 100

99 56.9 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

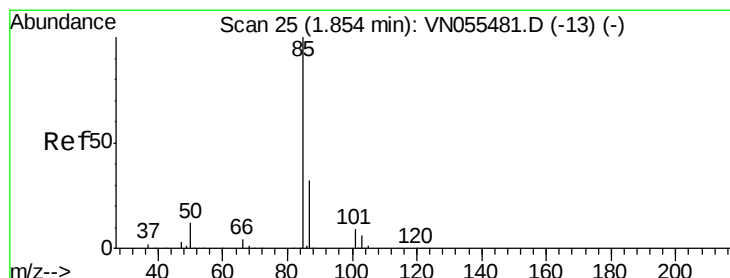
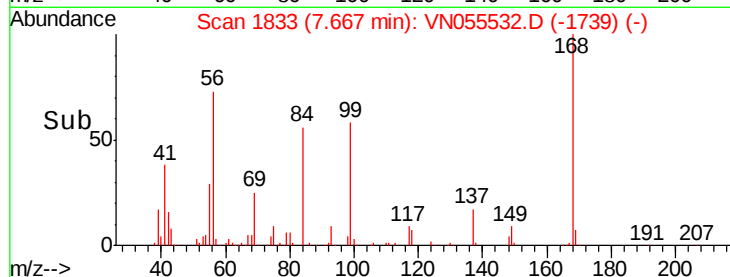
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 45.159 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055532.D

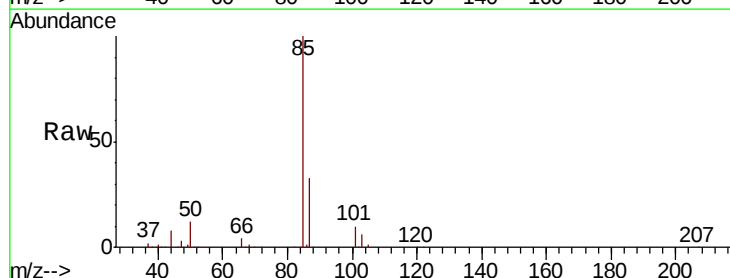
Acq: 10 May 2019 6:39

Tgt Ion: 85 Resp: 300008

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

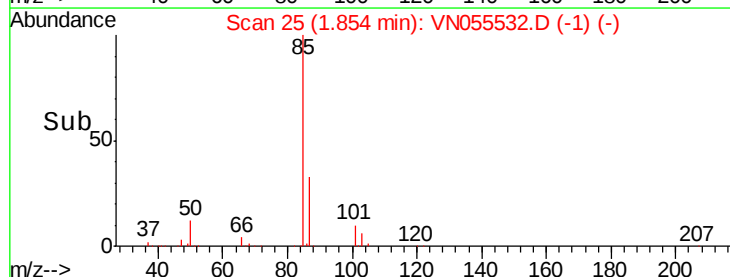
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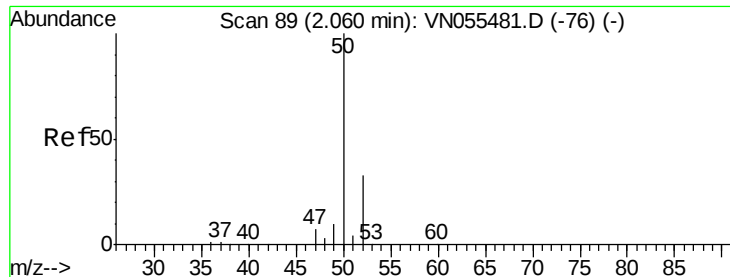
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.532 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

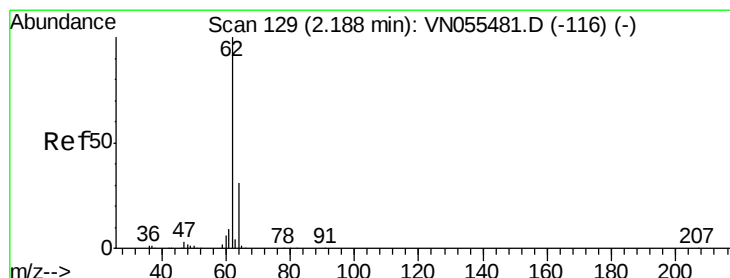
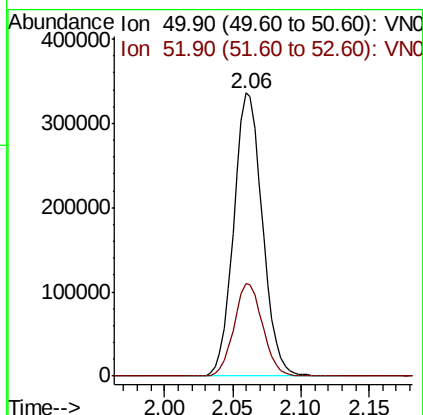
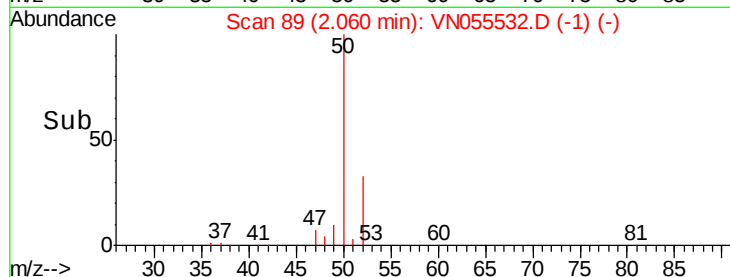
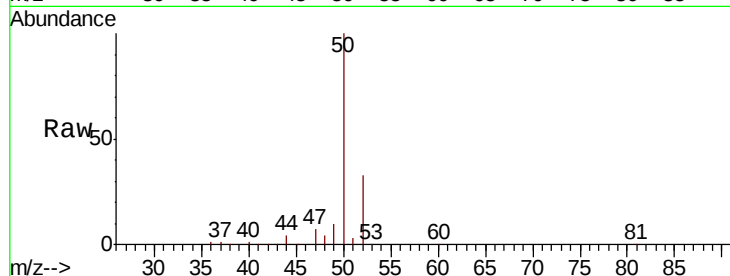
ClientSampled :

Tot Ion: 50 Resp: 491416

Ion Ratio Lower Upper

50 100

52 32.5 26.6 39.8



#4

Vinyl Chloride

Concen: 47.460 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055532.D

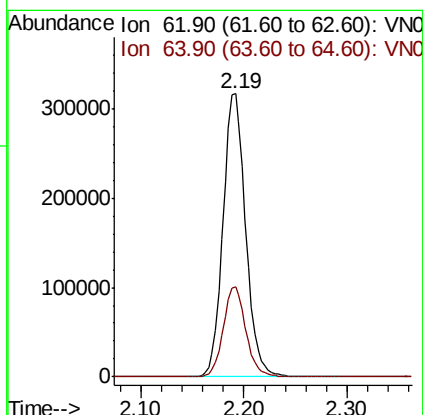
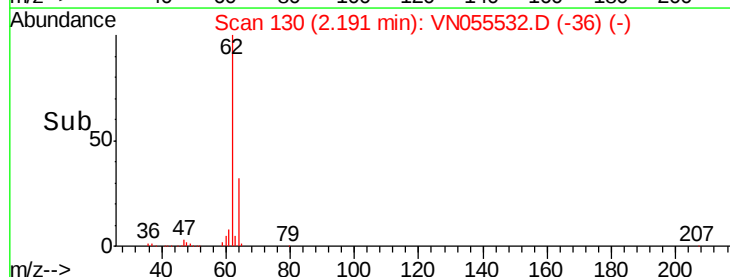
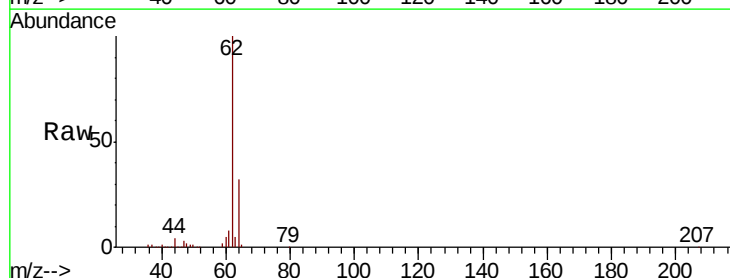
Acq: 10 May 2019 6:39

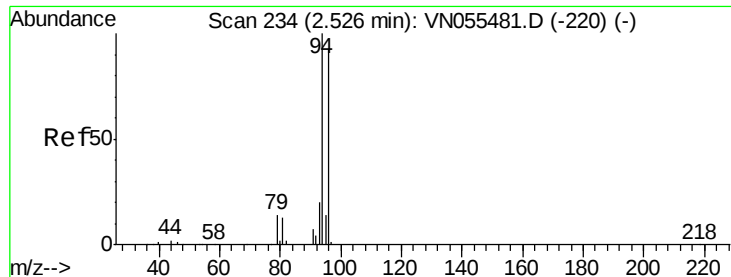
Tgt Ion: 62 Resp: 483518

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6





#5

Bromomethane

Concen: 46.518 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

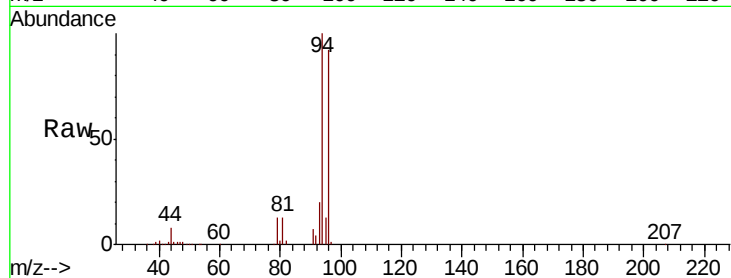
ClientSampled :

Tot Ion: 94 Resp: 259664

Ion Ratio Lower Upper

94 100

96 92.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

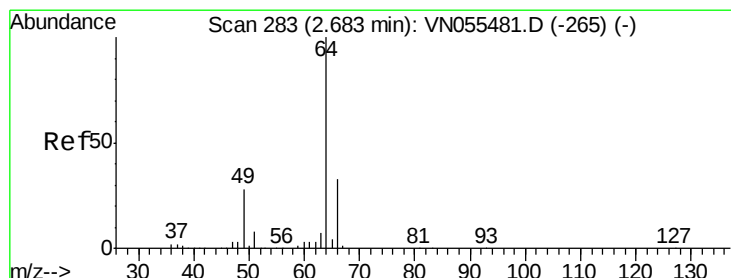
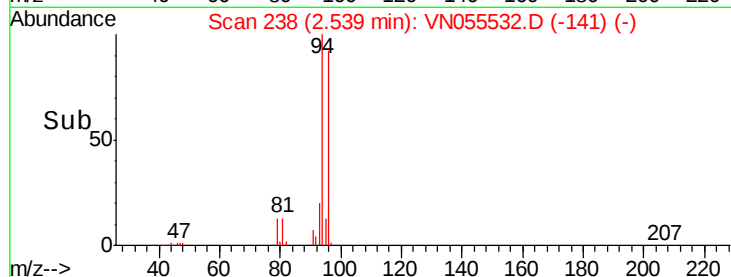
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 49.643 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055532.D

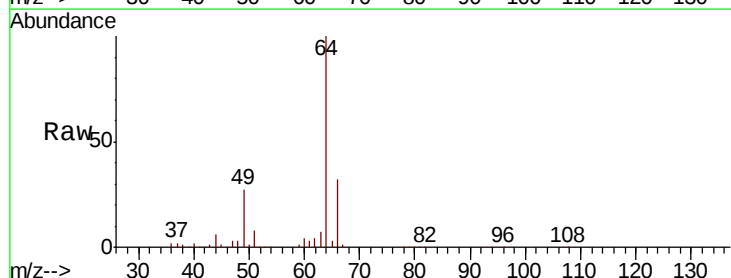
Acq: 10 May 2019 6:39

Tgt Ion: 64 Resp: 294598

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

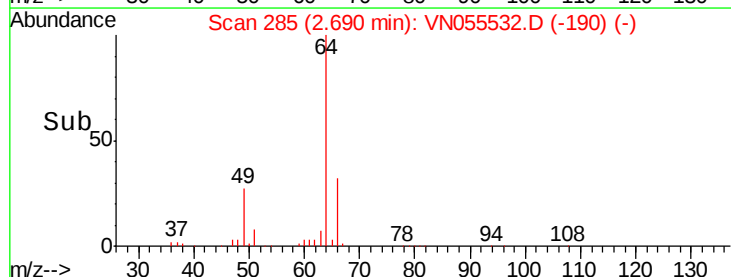
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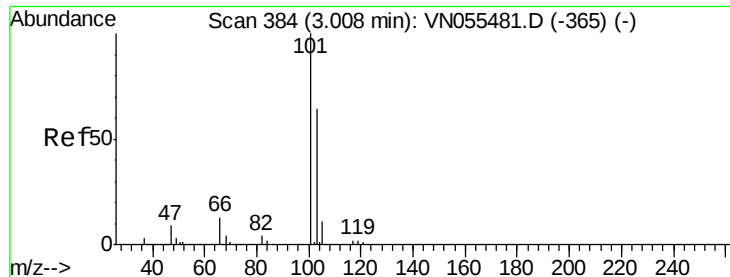
100000

50000

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Time-->



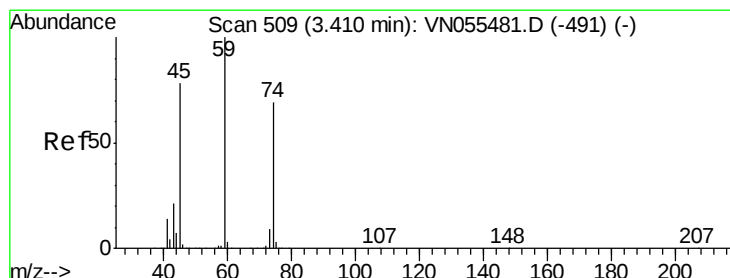
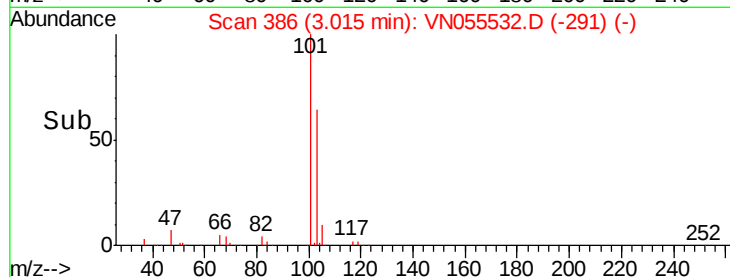
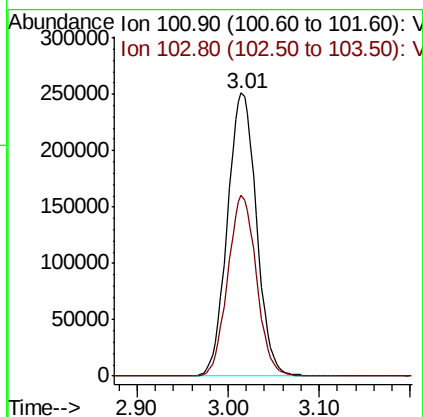
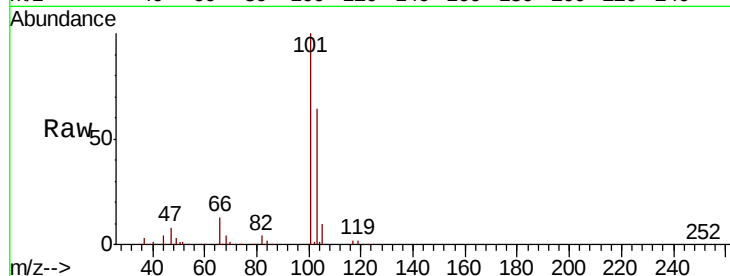


#7

Trichlorofluoromethane
Concen: 49.807 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Instrument :
MSVOA_N
ClientSampleId :

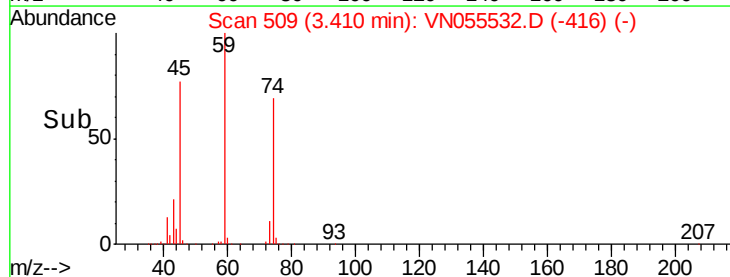
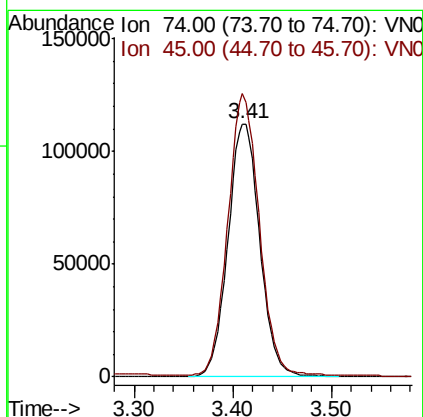
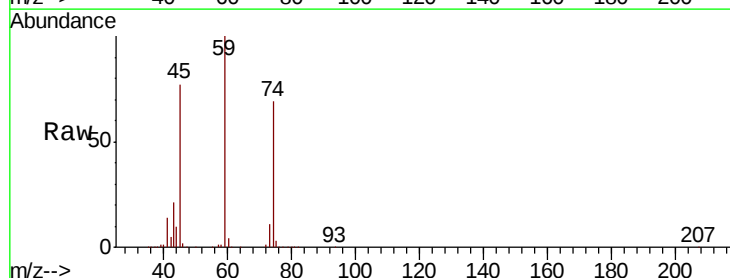
Tot Ion:101 Resp: 556671
Ion Ratio Lower Upper
101 100
103 63.8 51.2 76.8

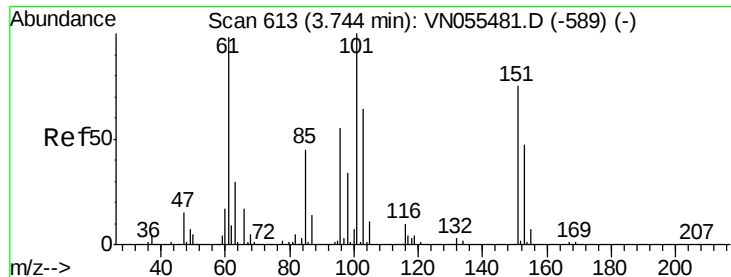


#8

Diethyl Ether
Concen: 50.329 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion: 74 Resp: 252627
Ion Ratio Lower Upper
74 100
45 108.8 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.623 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampled :

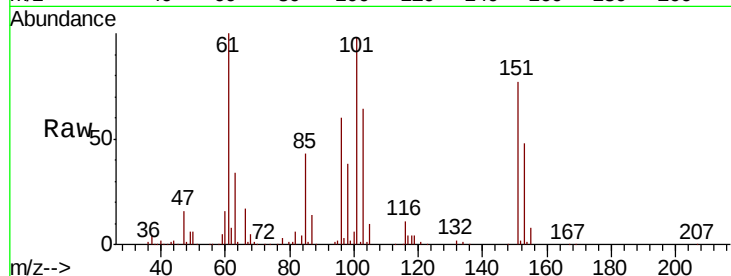
Tot Ion:101 Resp: 331532

Ion Ratio Lower Upper

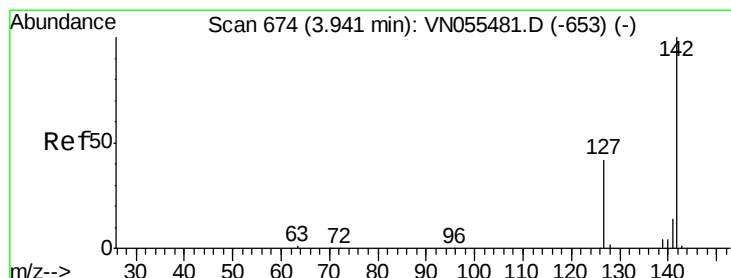
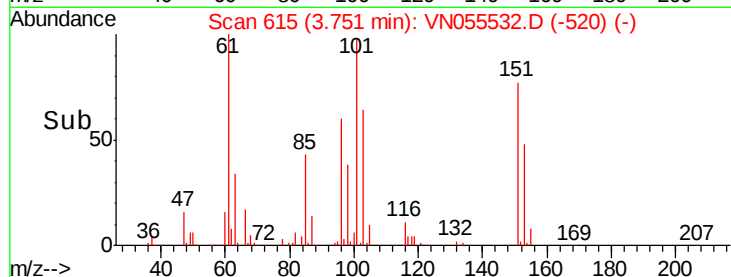
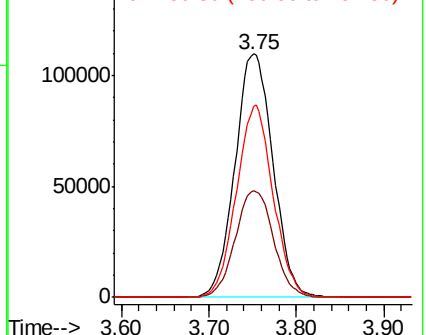
101 100

85 44.1 35.5 53.3

151 76.0 59.2 88.8



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: 48.225 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

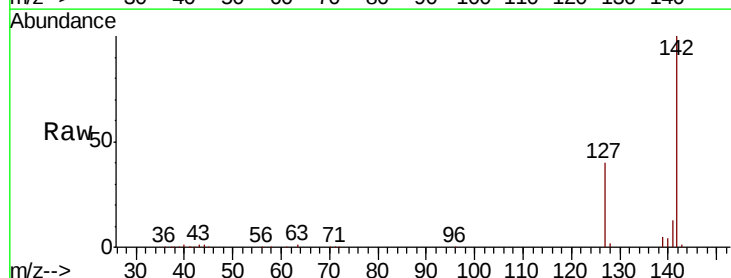
Tgt Ion:142 Resp: 463495

Ion Ratio Lower Upper

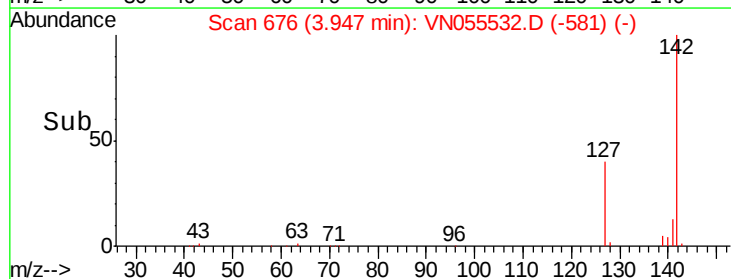
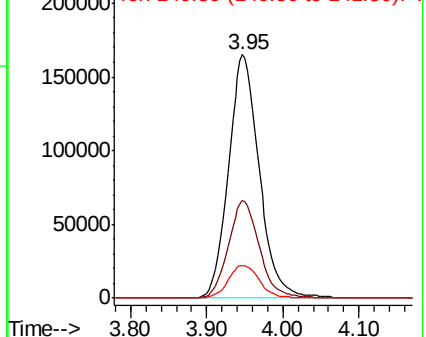
142 100

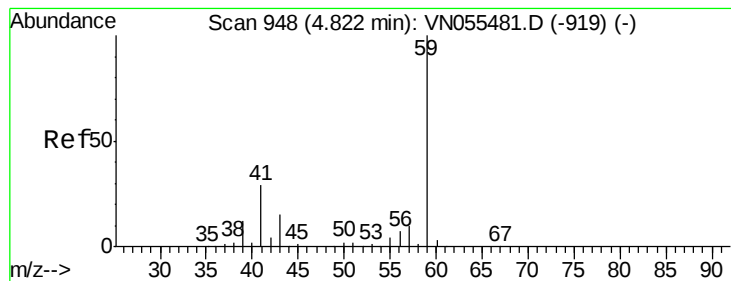
127 40.3 33.0 49.4

141 13.8 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



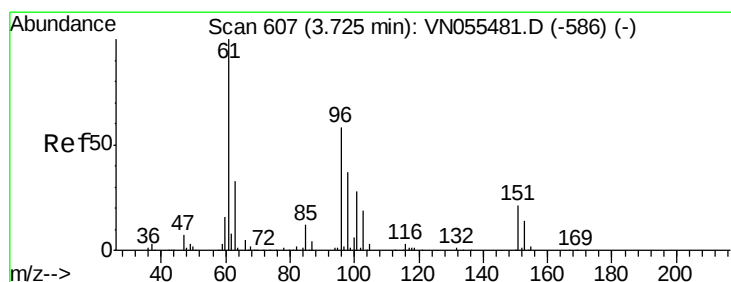
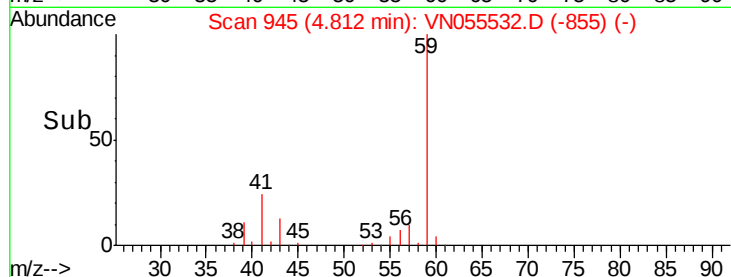
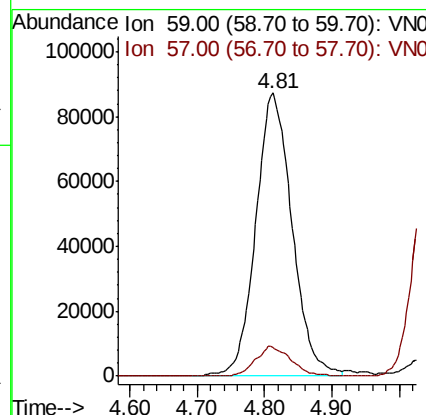
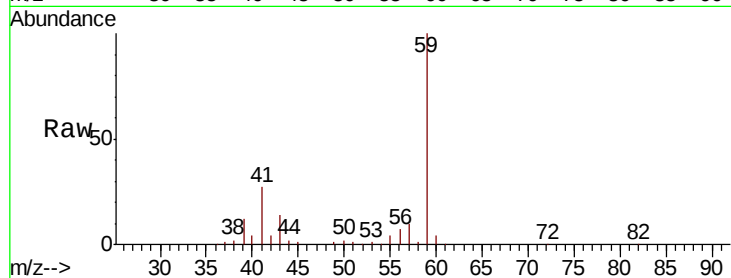


#11

Tert butyl alcohol
 Concen: 225.793 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Instrument :
 MSVOA_N
 ClientSampleId :

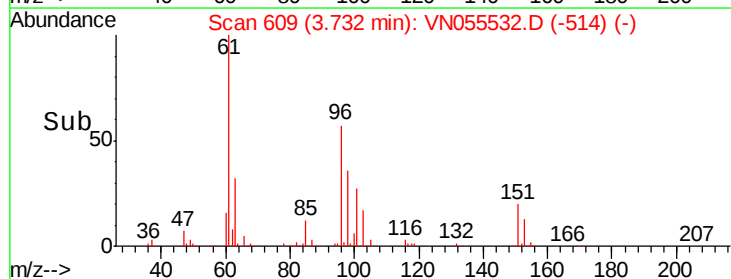
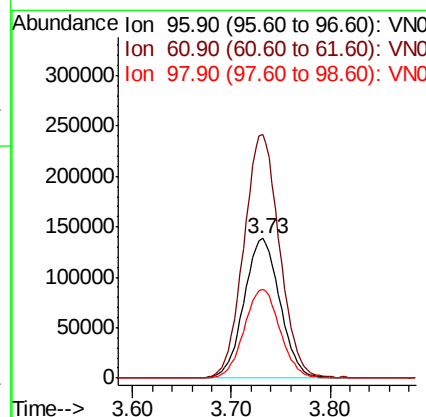
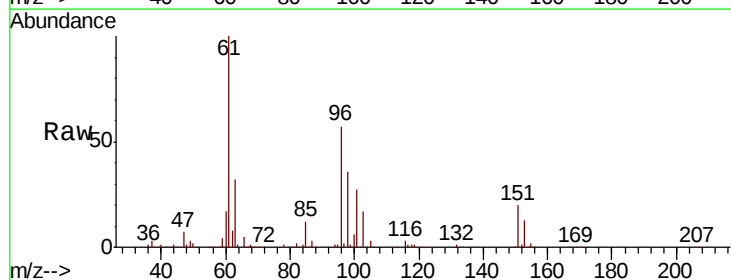
Tot Ion: 59 Resp: 327539
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.0 12.0

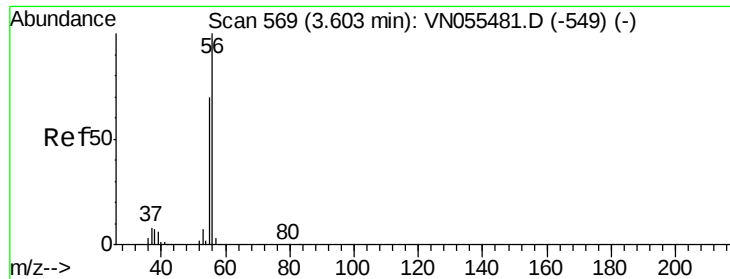


#12

1,1-Dichloroethene
 Concen: 48.873 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Tgt Ion: 96 Resp: 348542
 Ion Ratio Lower Upper
 96 100
 61 174.5 138.7 208.1
 98 63.5 50.6 76.0





#13

Acrolein

Concen: 201.633 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

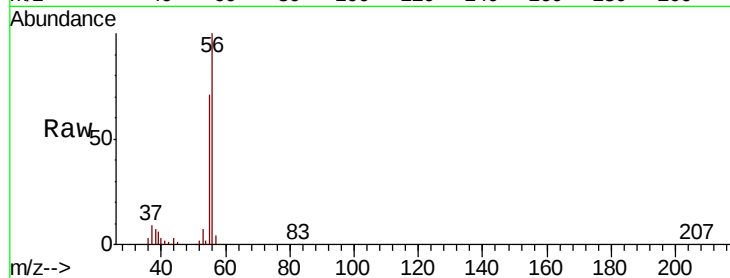
ClientSampled :

Tot Ion: 56 Resp: 194936

Ion Ratio Lower Upper

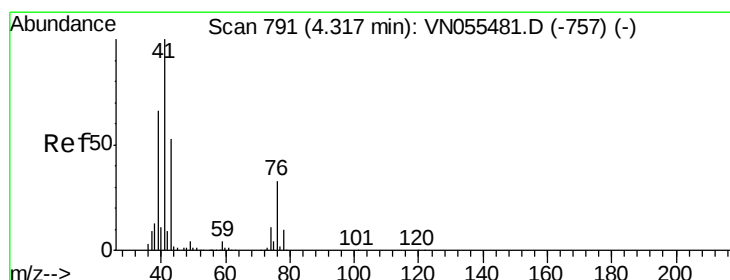
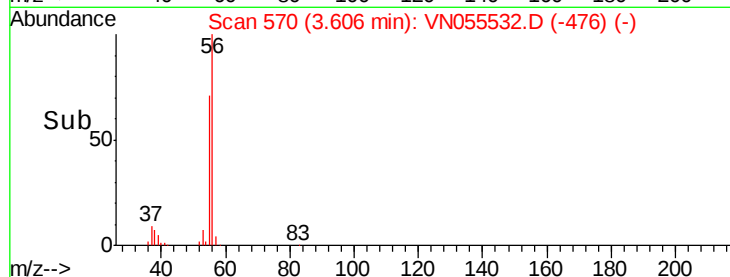
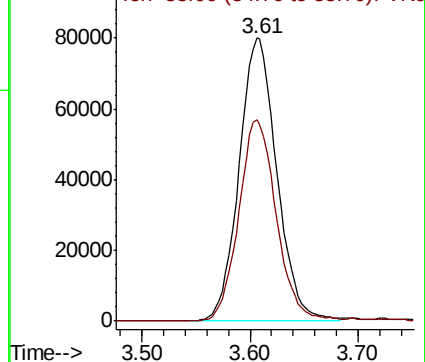
56 100

55 70.8 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 46.379 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

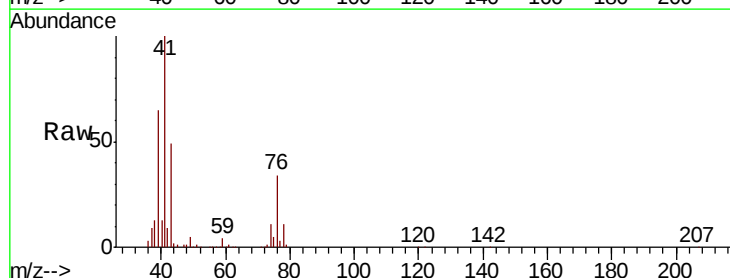
Tgt Ion: 41 Resp: 677540

Ion Ratio Lower Upper

41 100

39 60.9 49.8 74.8

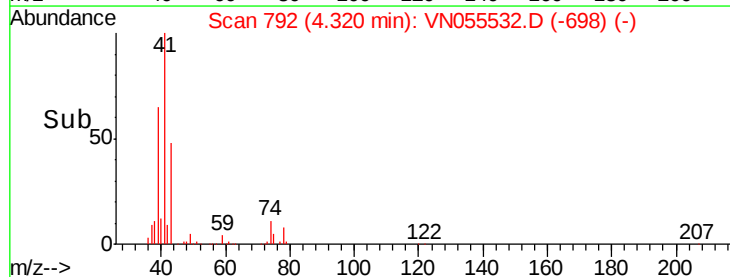
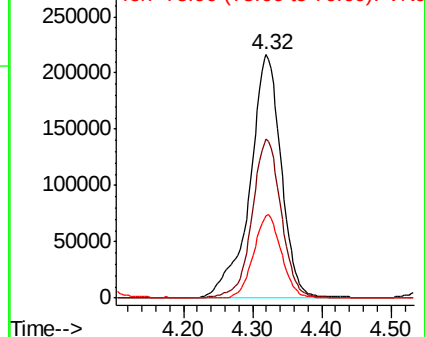
76 29.9 23.5 35.3

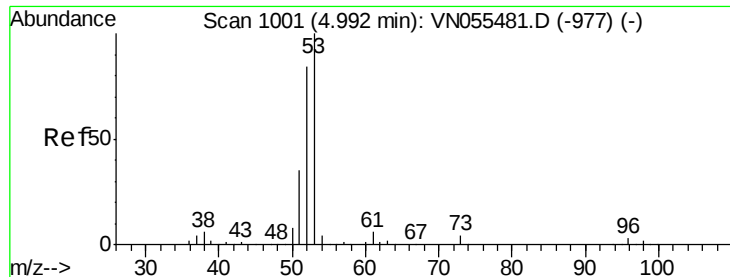


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 235.464 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

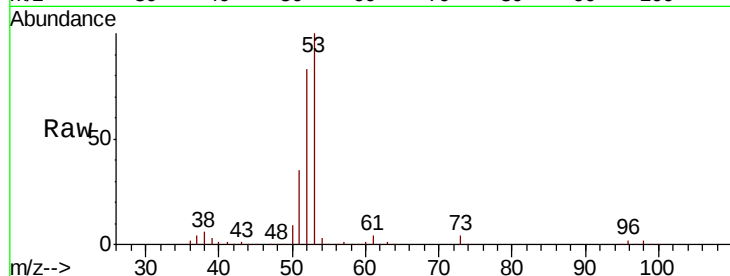
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 1057659

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.1	99.1
51	36.1	28.3	42.5

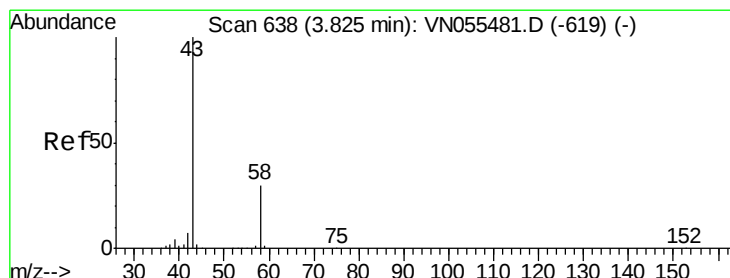
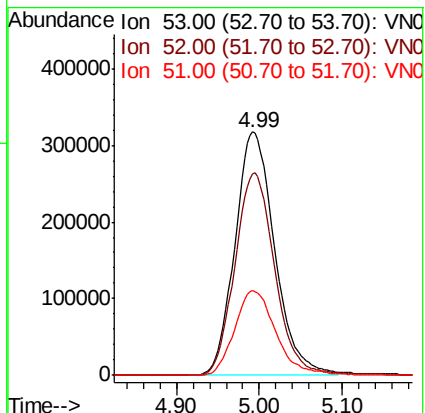
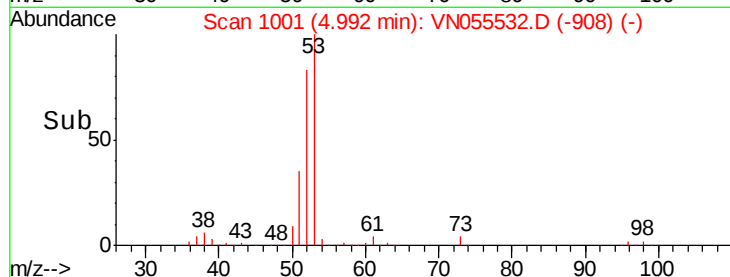


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 189.641 ug/l

RT: 3.82 min Scan# 638

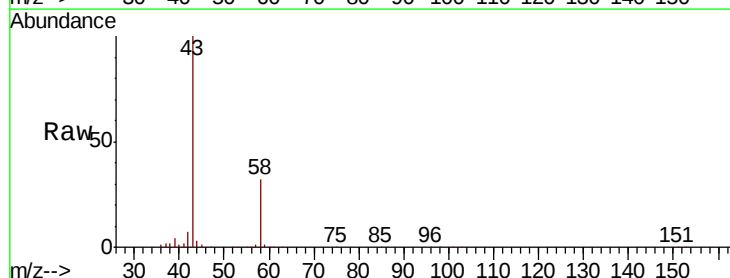
Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Tgt Ion: 43 Resp: 862698

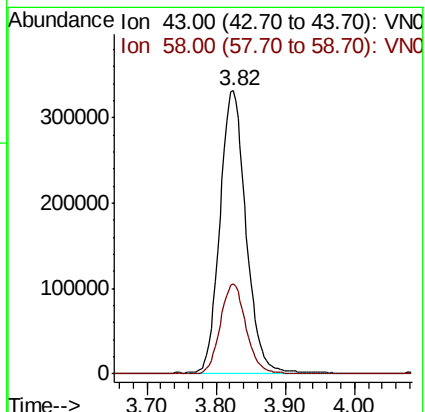
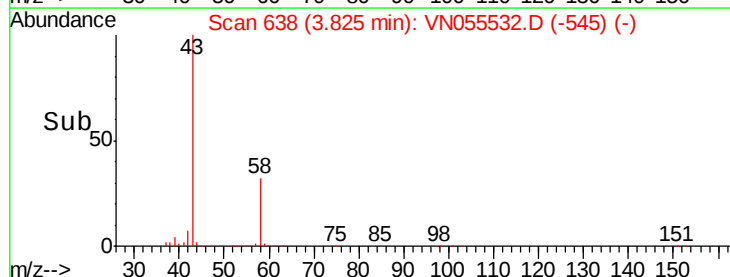
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.2	36.2

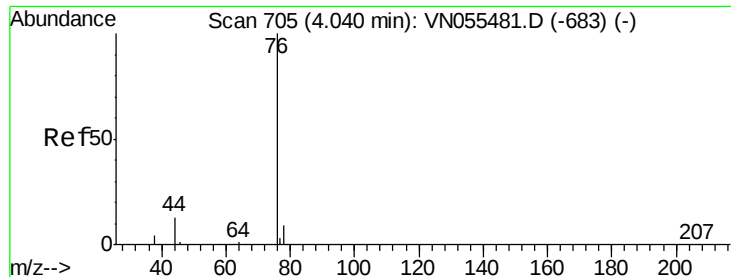


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 47.957 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

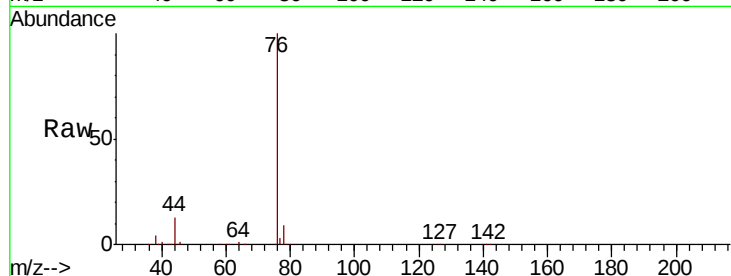
ClientSampled :

Tot Ion: 76 Resp: 933450

Ion Ratio Lower Upper

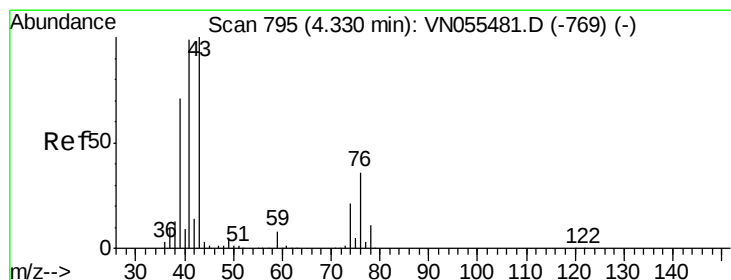
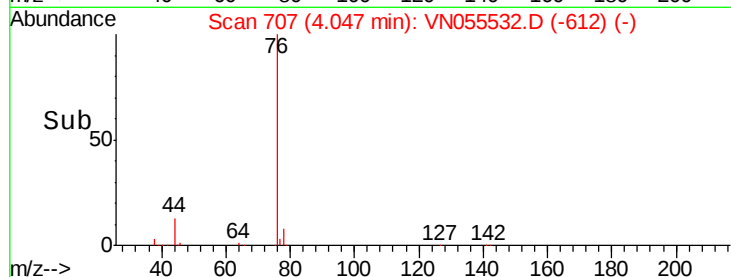
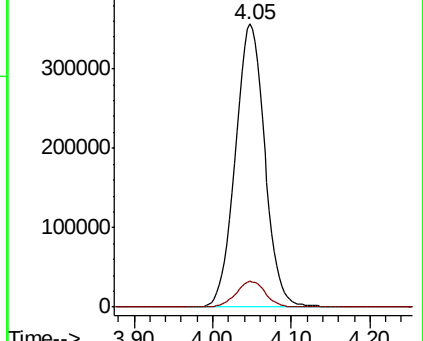
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 36.999 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055532.D

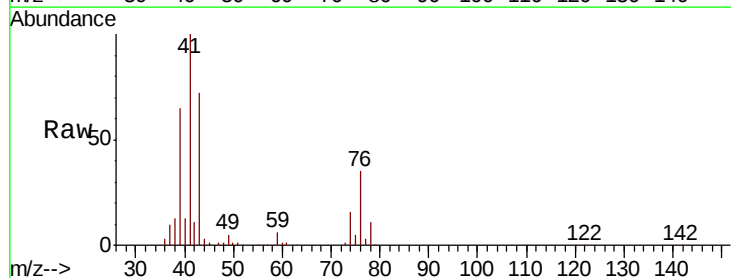
Acq: 10 May 2019 6:39

Tgt Ion: 43 Resp: 355943

Ion Ratio Lower Upper

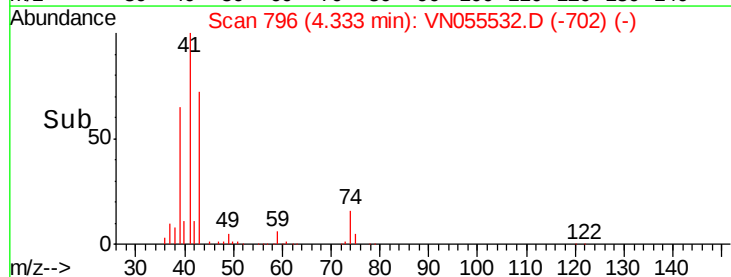
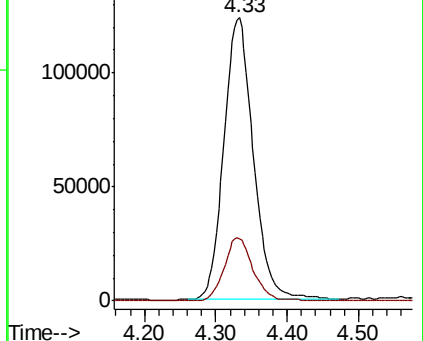
43 100

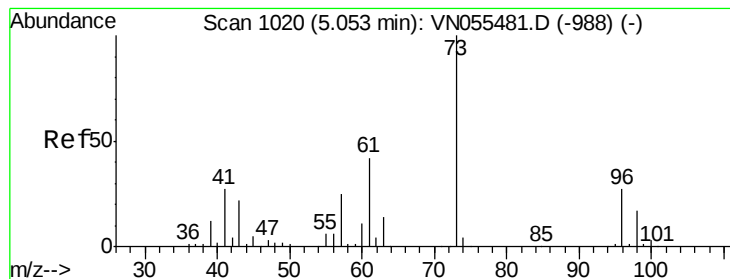
74 21.5 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



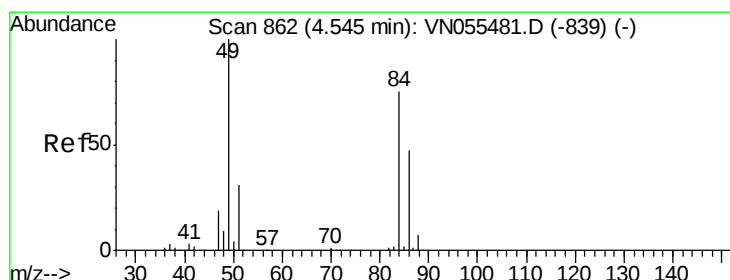
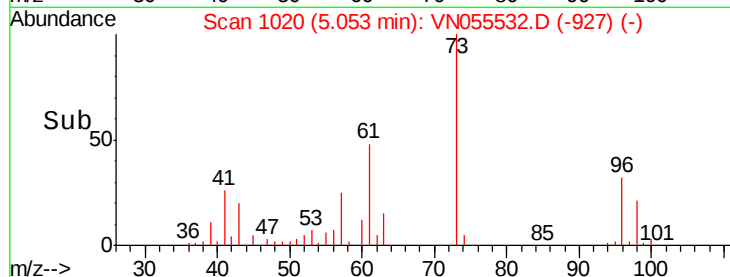
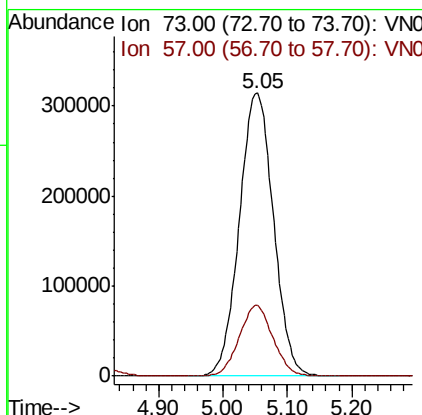
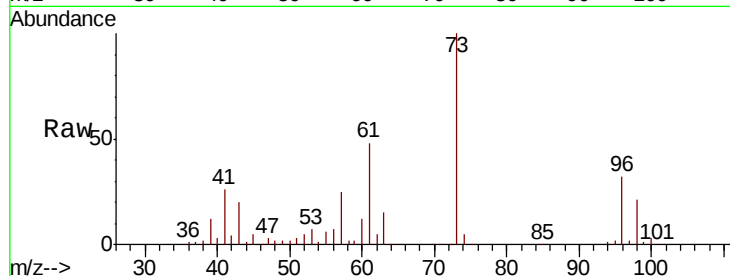


#19

Methyl tert-butyl Ether
 Concen: 48.955 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Instrument :
 MSVOA_N
 ClientSampled :

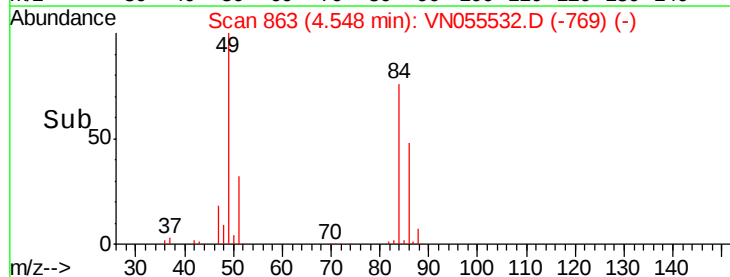
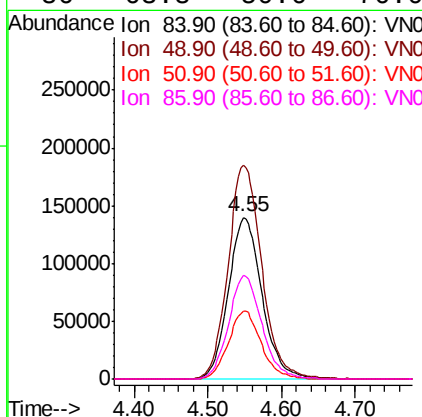
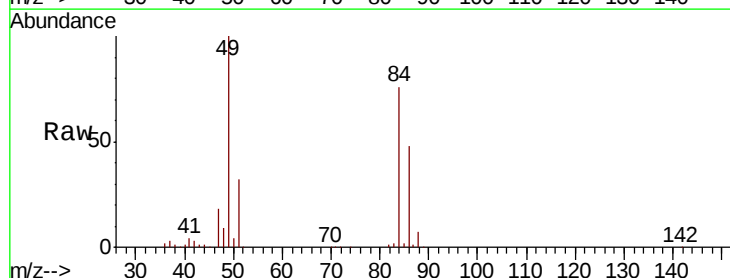
Tot Ion: 73 Resp: 1160089
 Ion Ratio Lower Upper
 73 100
 57 25.0 20.0 30.0

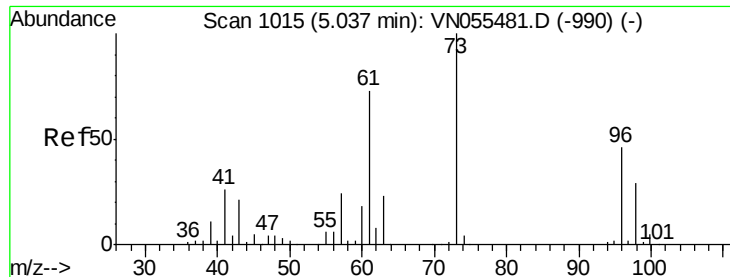


#20

Methylene Chloride
 Concen: 47.730 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Tgt Ion: 84 Resp: 443989
 Ion Ratio Lower Upper
 84 100
 49 132.1 107.0 160.6
 51 41.7 33.0 49.4
 86 63.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 49.872 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :
MSVOA_N
ClientSampled :

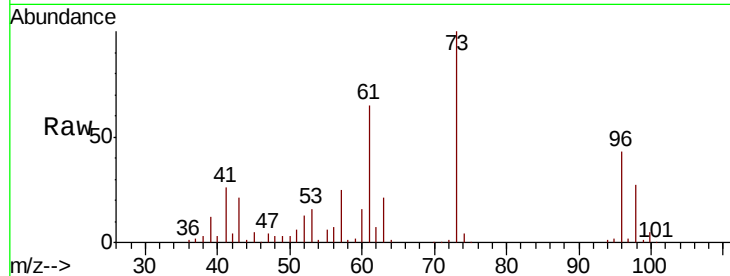
Tot Ion: 96 Resp: 385616

Ion Ratio Lower Upper

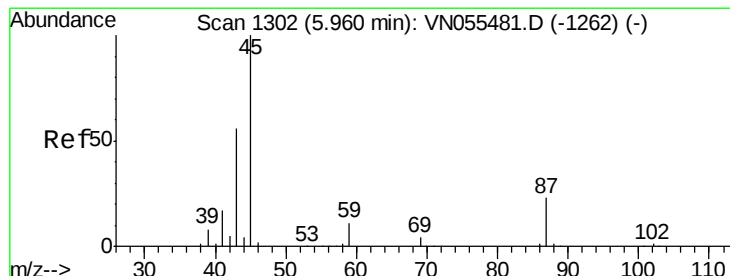
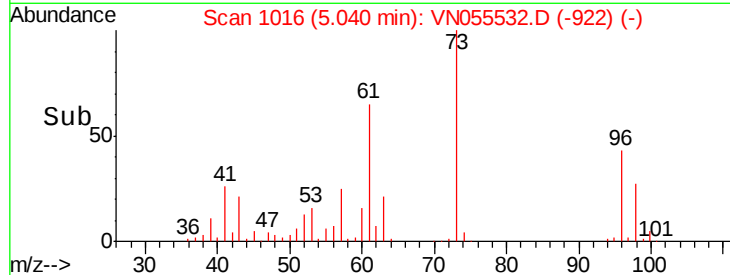
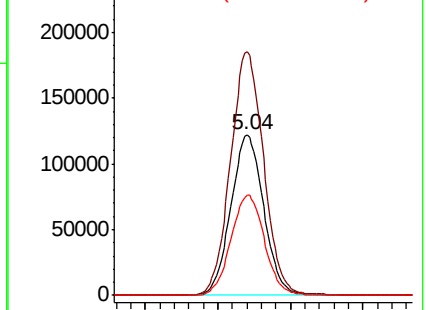
96 100

61 151.4 127.4 191.0

98 62.2 51.6 77.4



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



#22

Diisopropyl ether

Concen: 49.461 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Tgt Ion: 45 Resp: 1468345

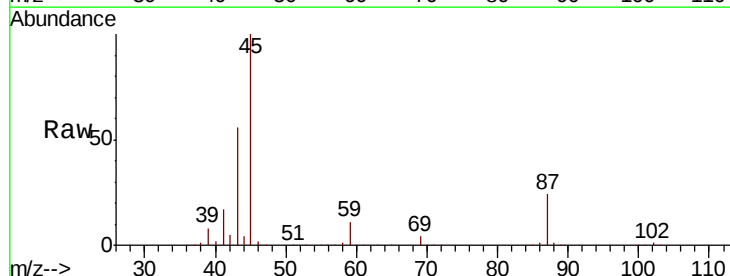
Ion Ratio Lower Upper

45 100

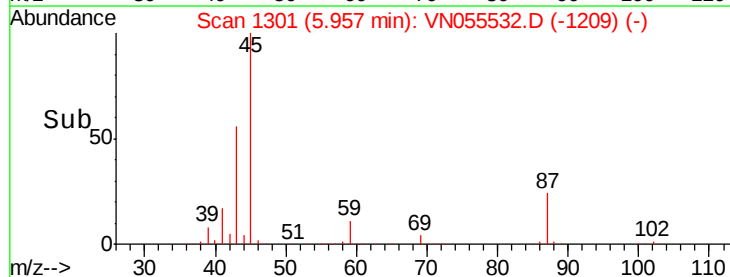
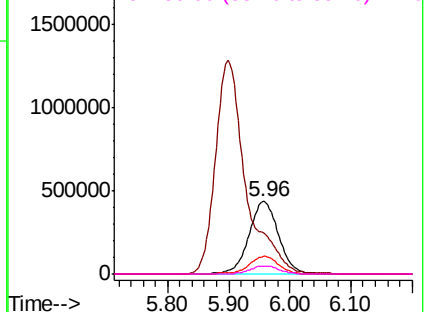
43 55.9 44.6 66.8

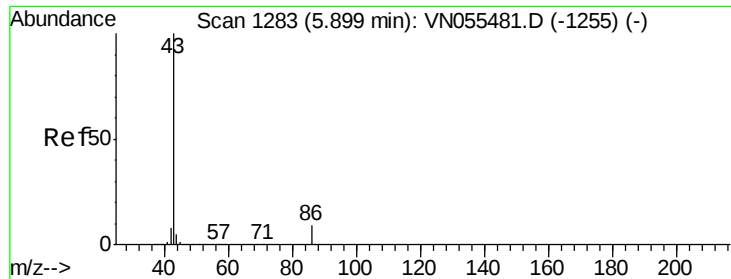
87 24.1 18.6 28.0

59 10.7 8.6 12.8



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

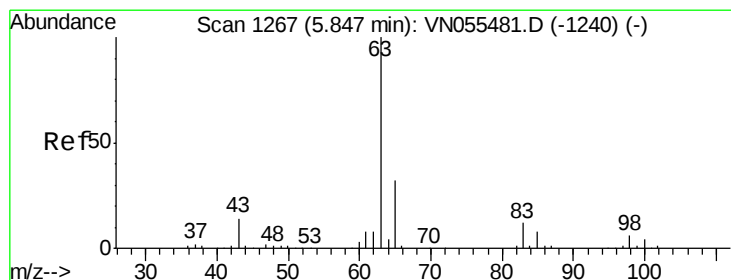
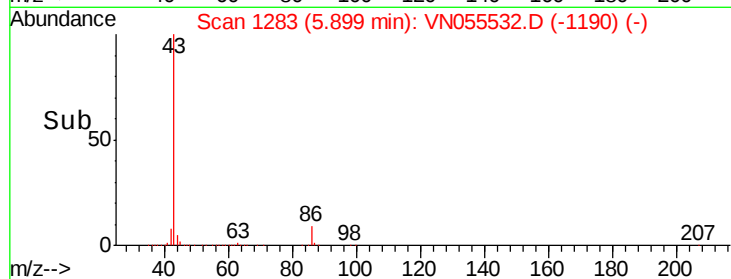
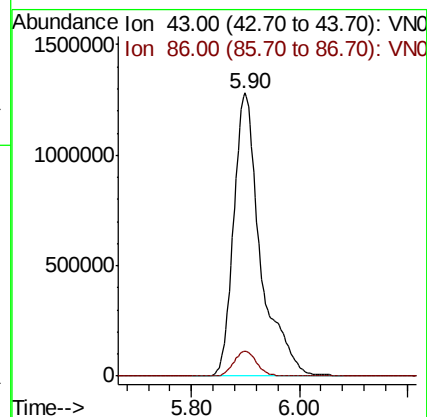
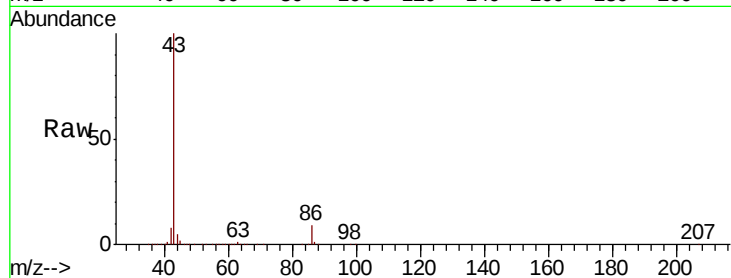




#23
 Vinyl Acetate
 Concen: 192.829 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

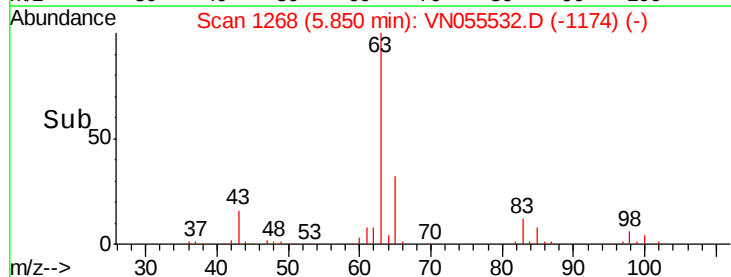
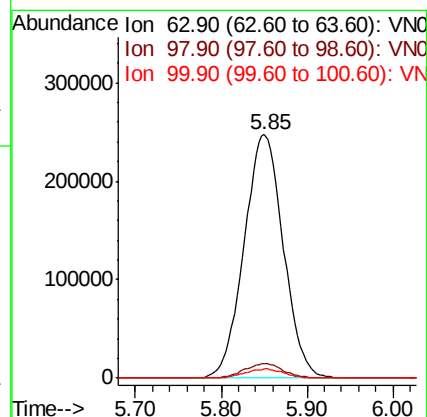
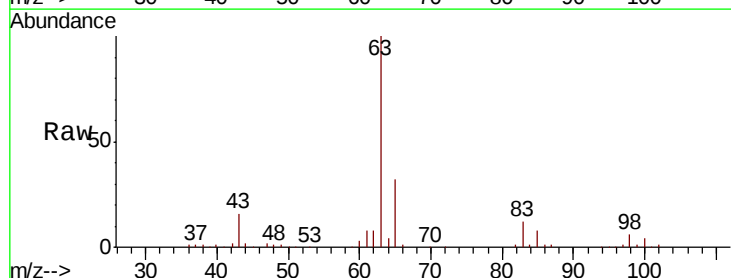
Instrument :
 MSVOA_N
 ClientSampled :

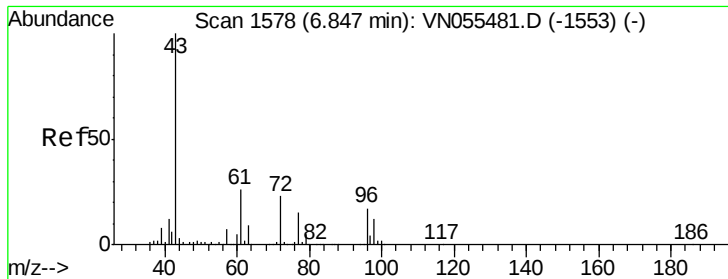
Tot Ion: 43 Resp: 4427038
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 48.973 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Tgt Ion: 63 Resp: 784817
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 220.079 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

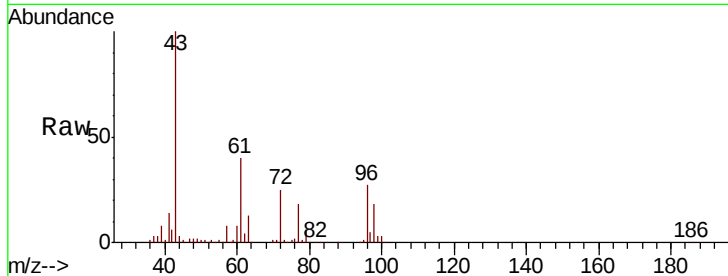
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1382985

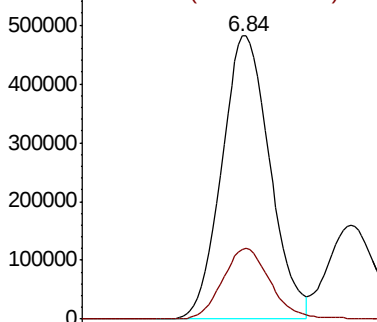
Ion Ratio Lower Upper

43 100

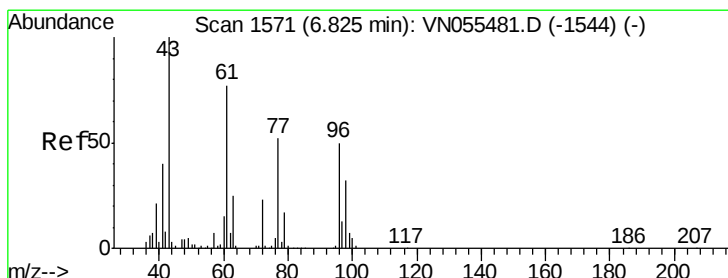
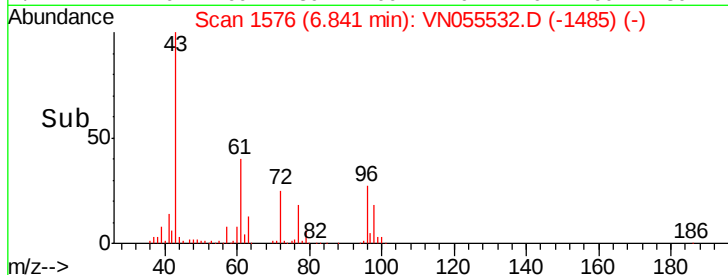
72 24.8 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 35.463 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055532.D

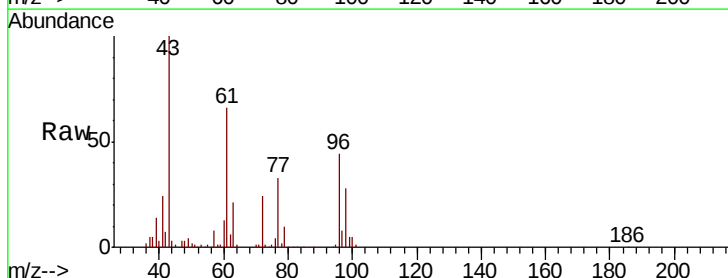
Acq: 10 May 2019 6:39

Tgt Ion: 77 Resp: 354273

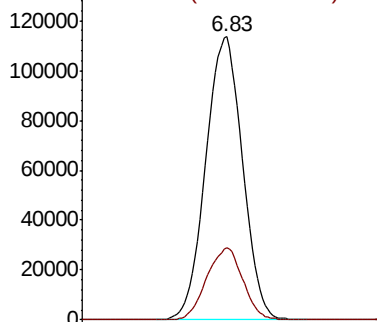
Ion Ratio Lower Upper

77 100

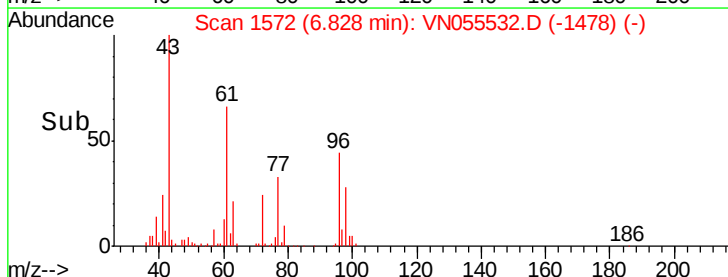
97 25.0 11.5 34.5

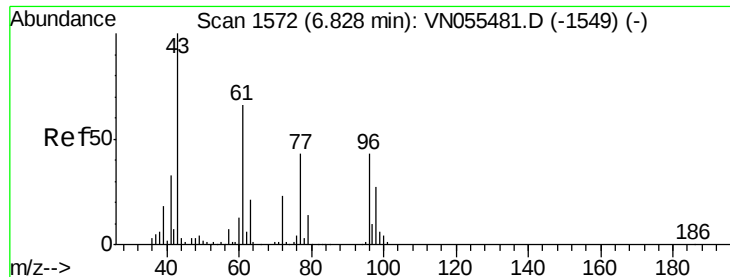


Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.997 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :
MSVOA_N
ClientSampleId :

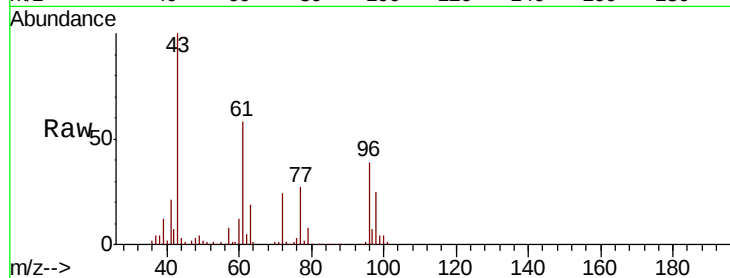
Tot Ion: 96 Resp: 446773

Ion Ratio Lower Upper

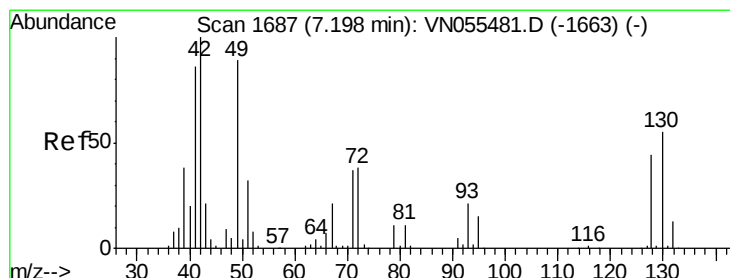
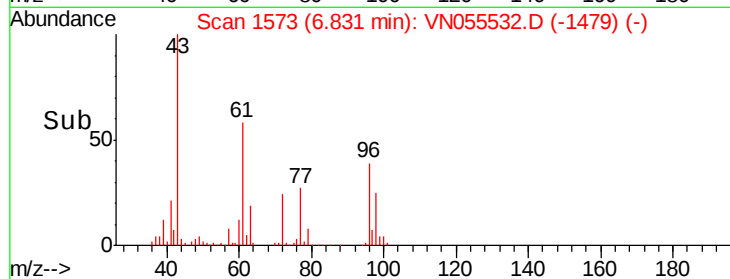
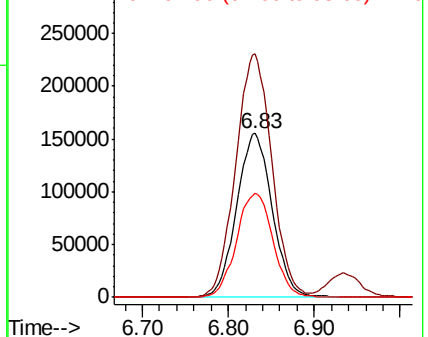
96 100

61 150.7 0.0 310.8

98 65.1 0.0 129.4



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: 50.897 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

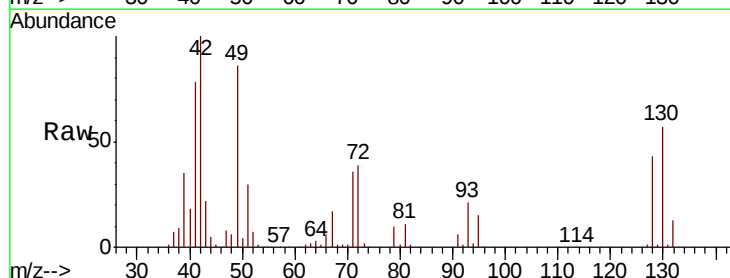
Tgt Ion: 49 Resp: 423581

Ion Ratio Lower Upper

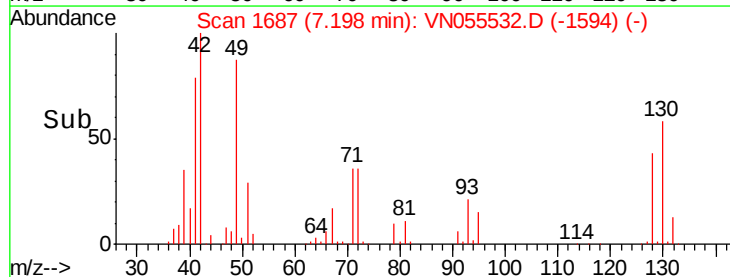
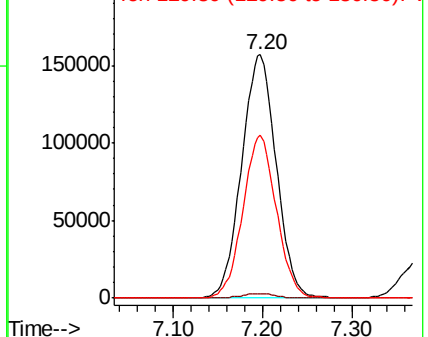
49 100

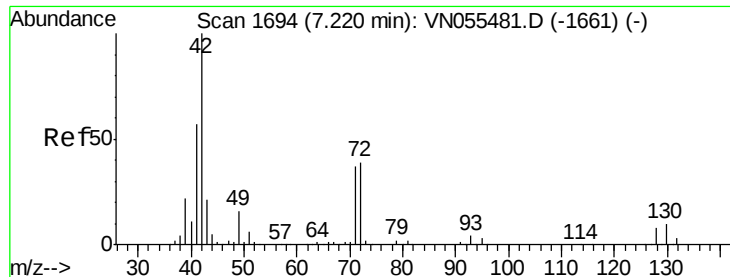
129 1.0 0.0 3.2

130 64.7 49.5 74.3



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

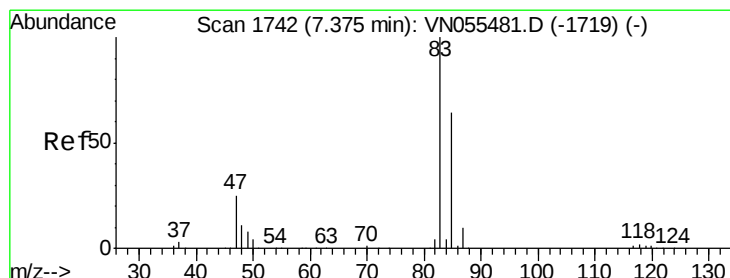
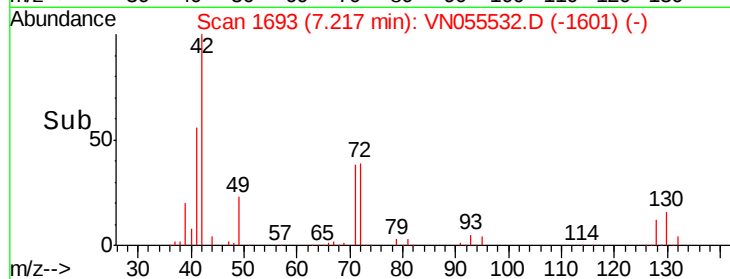
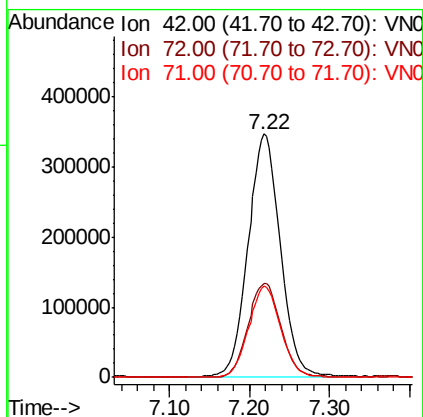
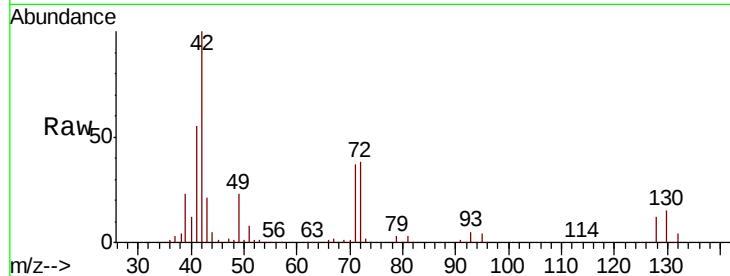




#29
Tetrahydrofuran
Concen: 229.473 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

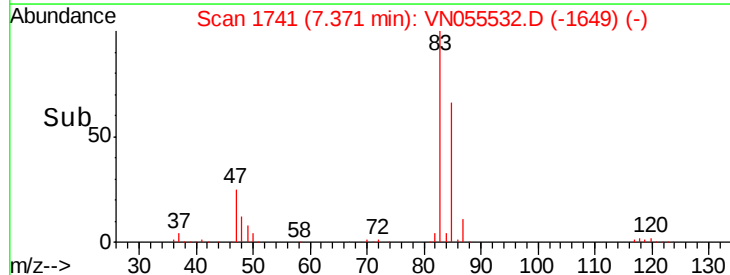
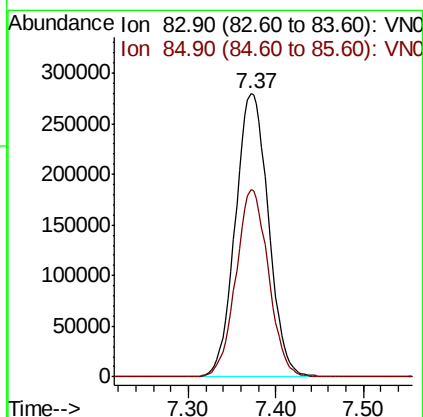
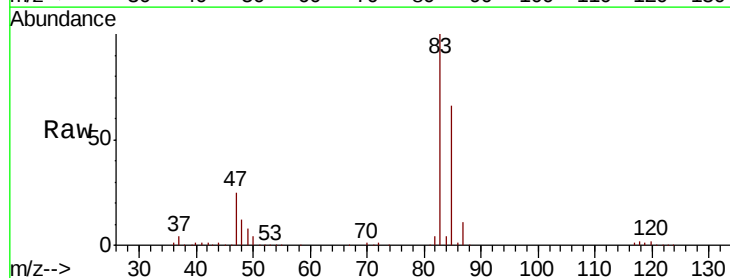
Instrument :
MSVOA_N
ClientSampleId :

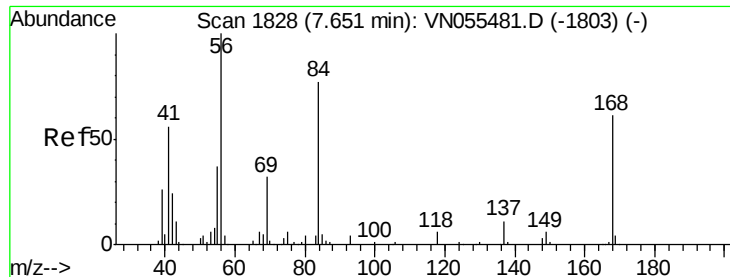
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.0	46.6
71	37.4	29.4	44.2



#30
Chloroform
Concen: 49.556 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.3	76.9





#31

Cyclohexane

Concen: 45.463 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :
MSVOA_N
ClientSampleId :

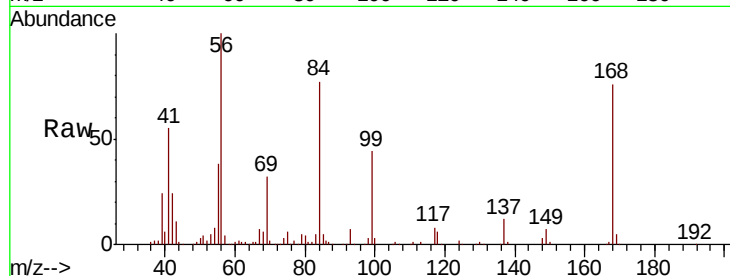
Tot Ion: 56 Resp: 720853

Ion Ratio Lower Upper

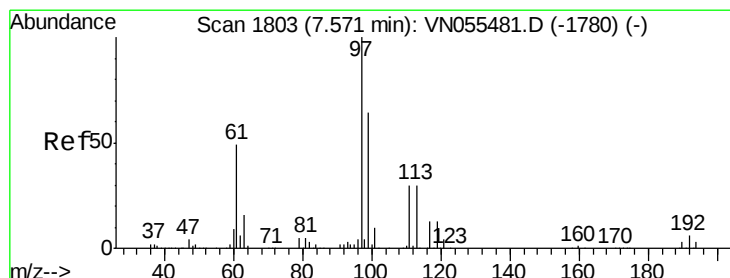
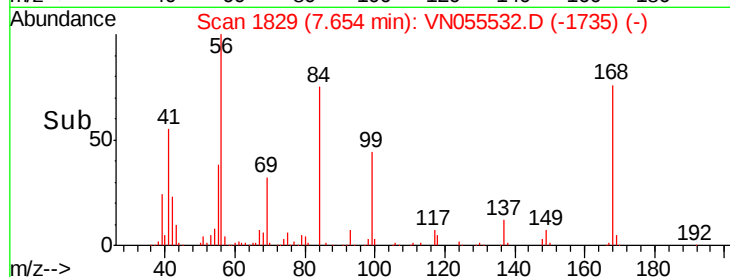
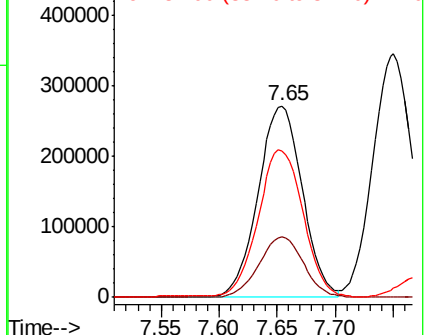
56 100

69 31.7 26.0 39.0

84 75.5 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 50.132 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

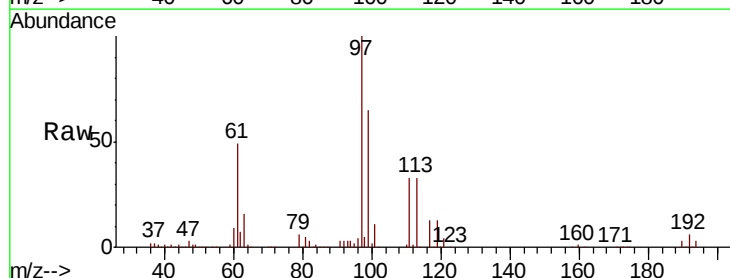
Tgt Ion: 97 Resp: 565568

Ion Ratio Lower Upper

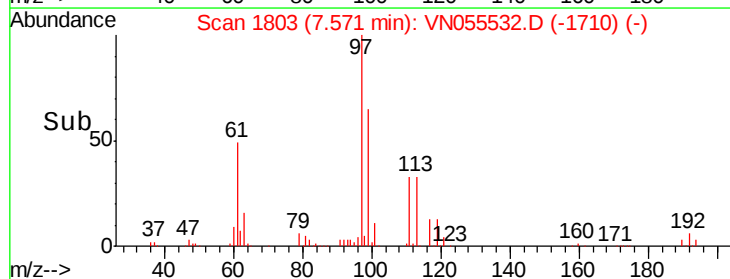
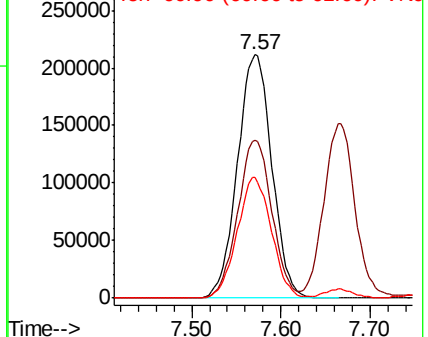
97 100

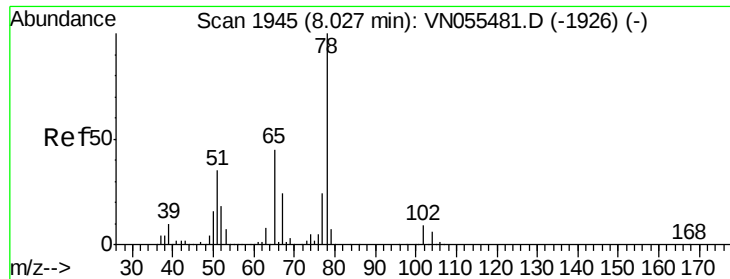
99 64.5 51.2 76.8

61 49.2 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

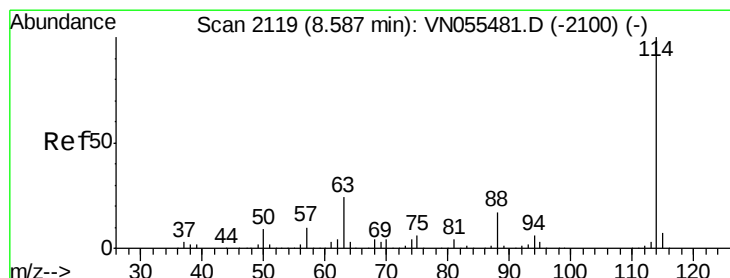
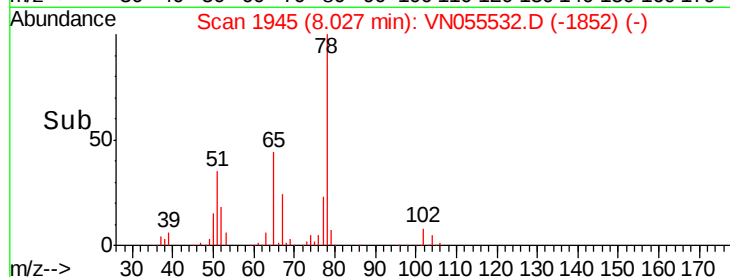
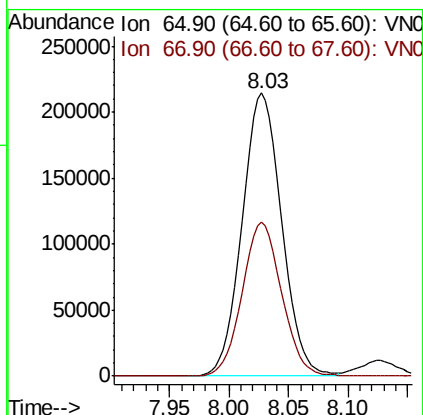
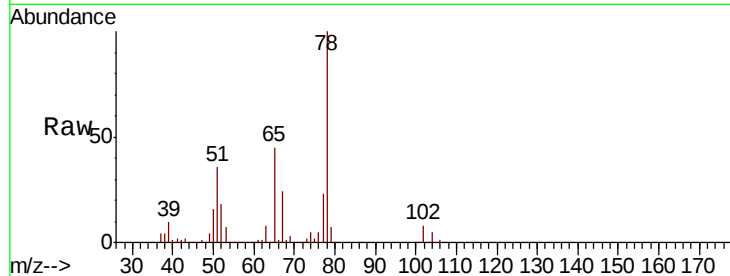




#33
 1,2-Dichloroethane-d4
 Concen: 50.295 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

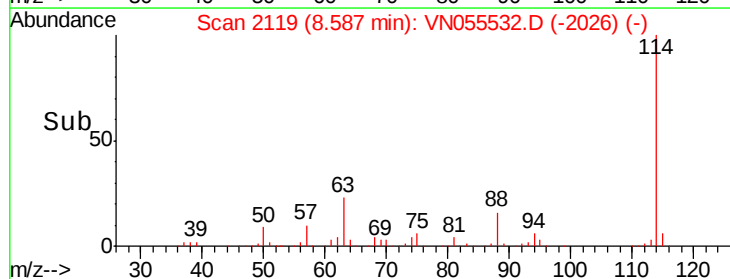
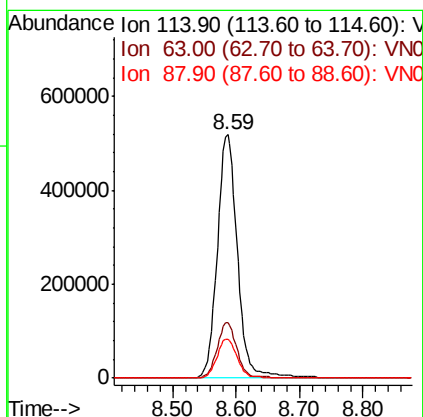
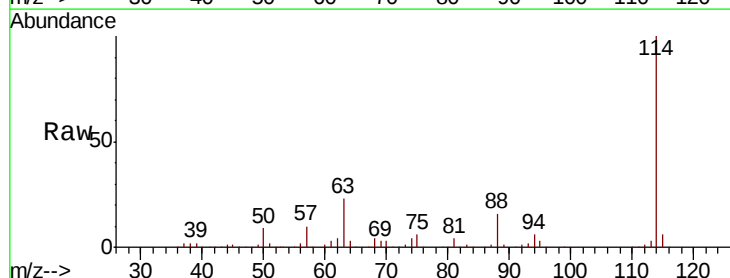
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 494132
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Tgt Ion: 114 Resp: 1137089
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.4
 88 16.1 0.0 34.0

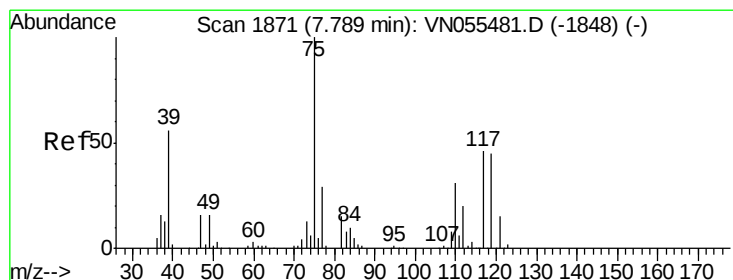
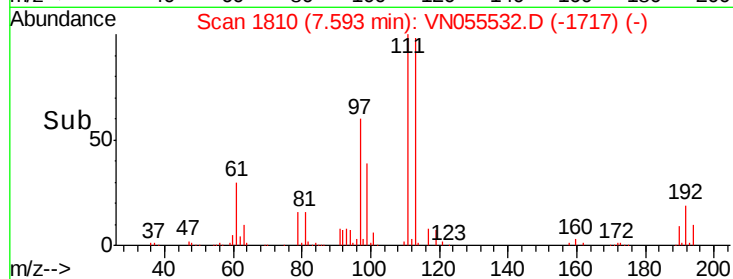
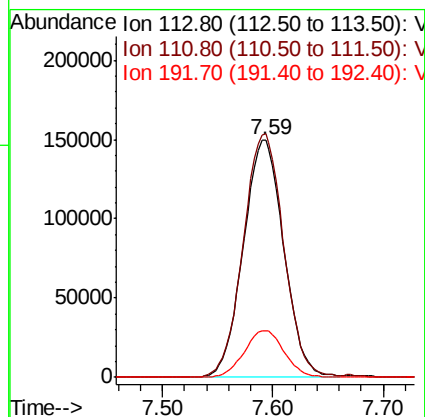
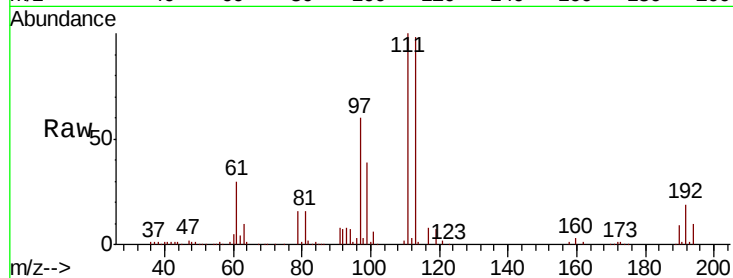




#35
 Dibromofluoromethane
 Concen: 51.883 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

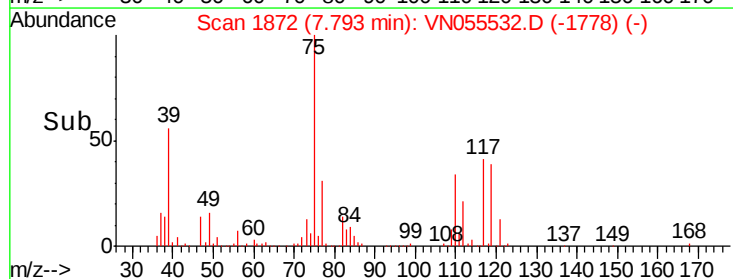
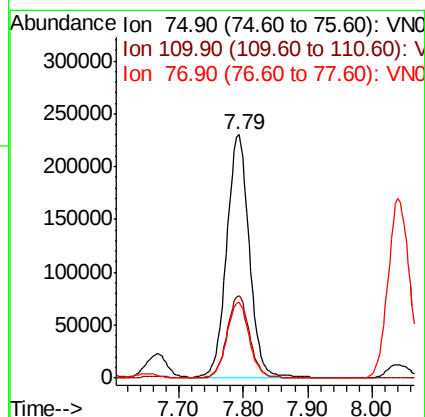
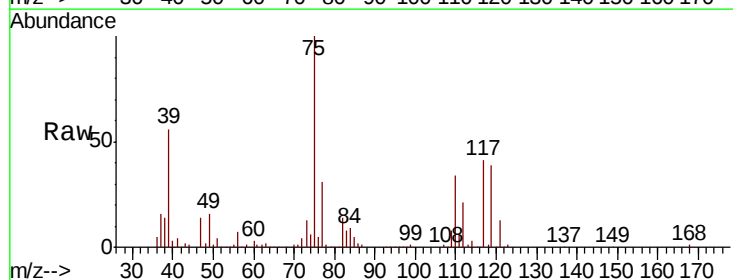
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.6	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 50.271 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.1	48.3
77	31.0	24.6	37.0

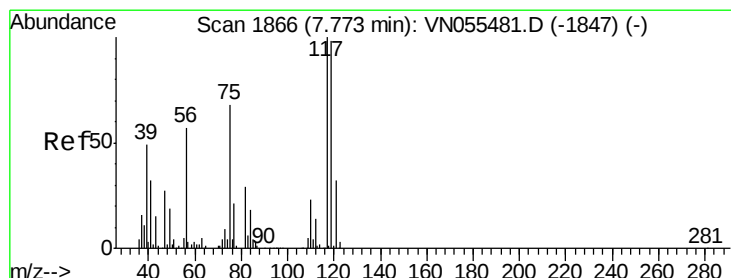
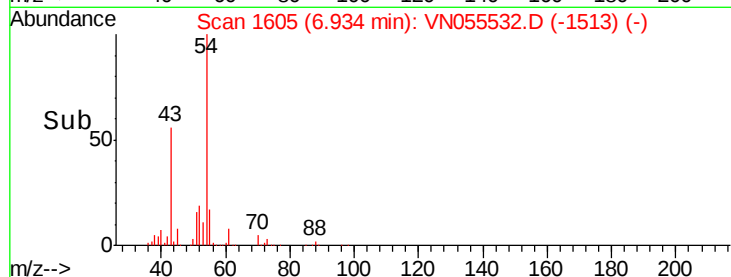
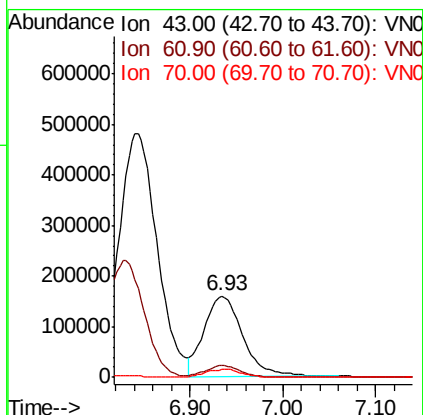
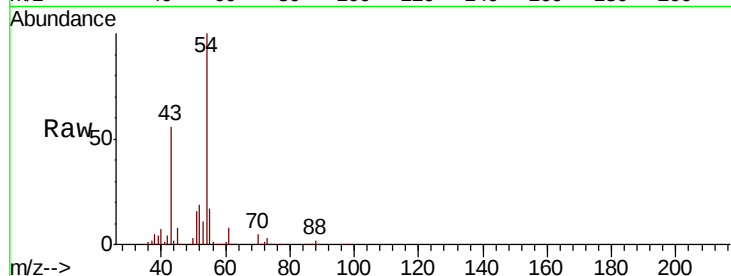




#37
Ethyl Acetate
Concen: 37.851 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

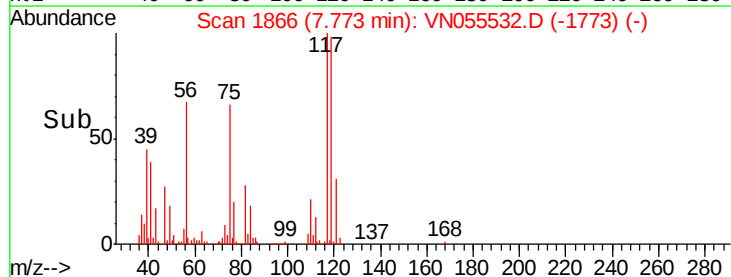
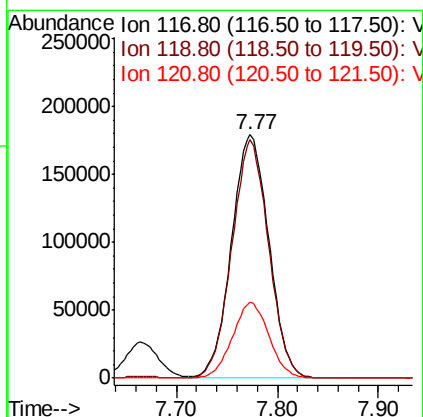
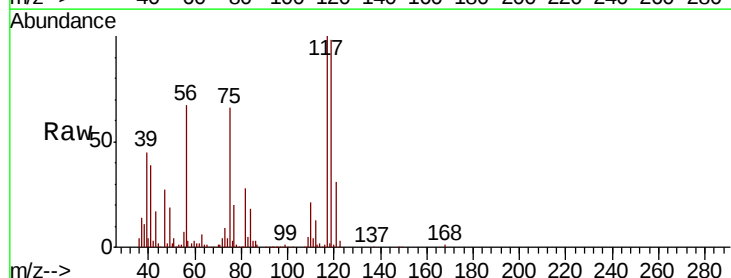
Instrument :
MSVOA_N
ClientSampled :

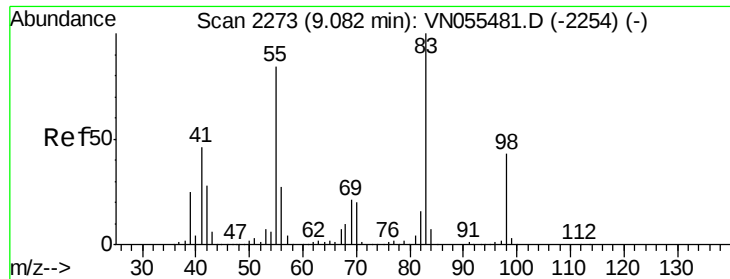
Tot Ion: 43 Resp: 462535
Ion Ratio Lower Upper
43 100
61 13.3 10.9 16.3
70 9.5 7.0 10.6



#38
Carbon Tetrachloride
Concen: 48.727 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion: 117 Resp: 459628
Ion Ratio Lower Upper
117 100
119 97.9 77.8 116.6
121 31.1 25.2 37.8

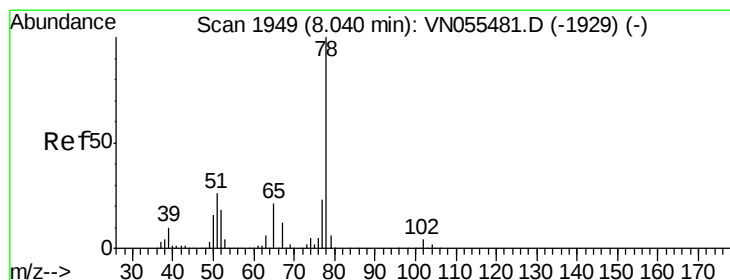
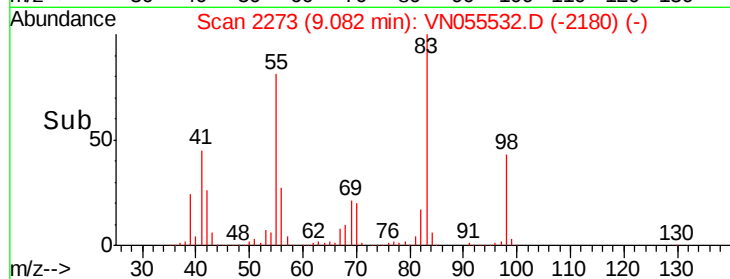
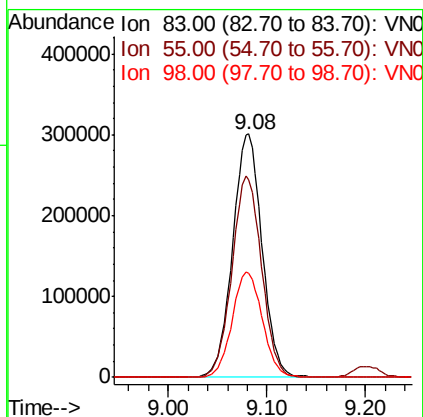
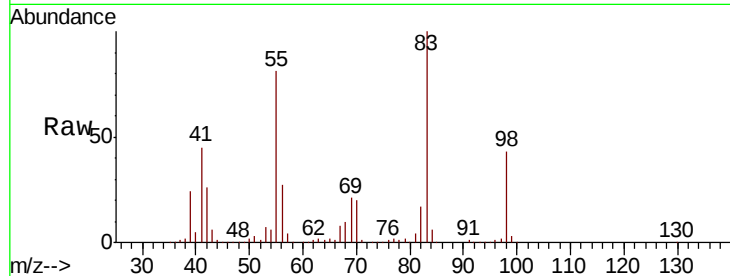




#39
Methvlcvclohexane
Concen: 45.675 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

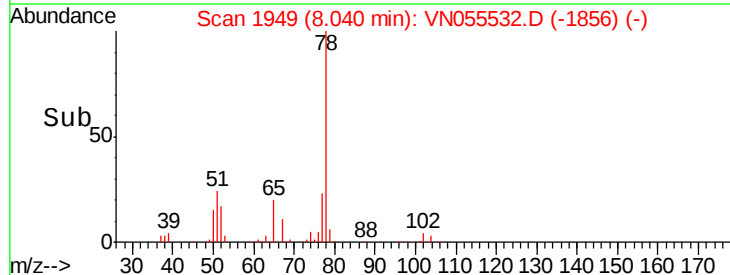
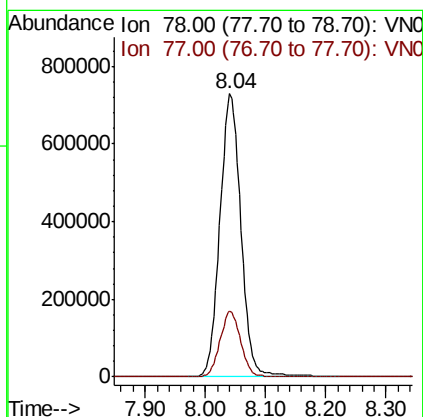
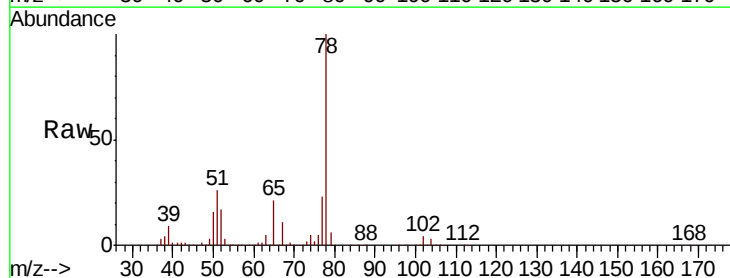
Instrument :
MSVOA_N
ClientSampled :

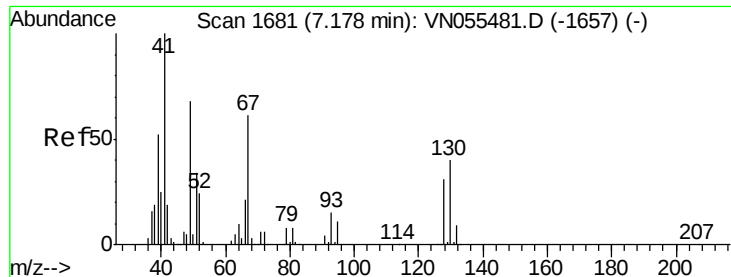
Tot Ion: 83 Resp: 623859
Ion Ratio Lower Upper
83 100
55 81.3 67.0 100.4
98 42.8 34.2 51.4



#40
Benzene
Concen: 50.481 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion: 78 Resp: 1755087
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8

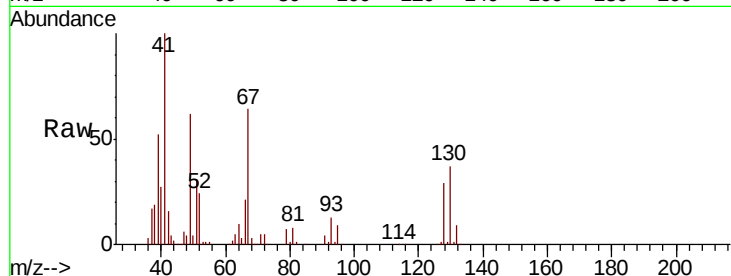




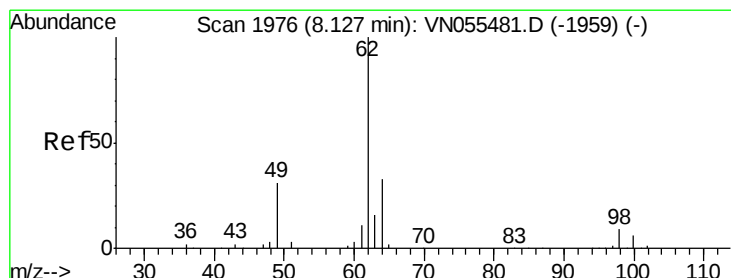
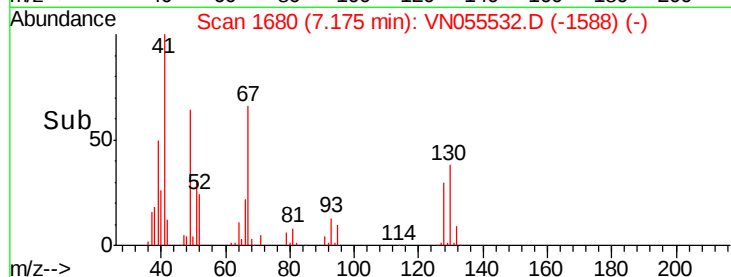
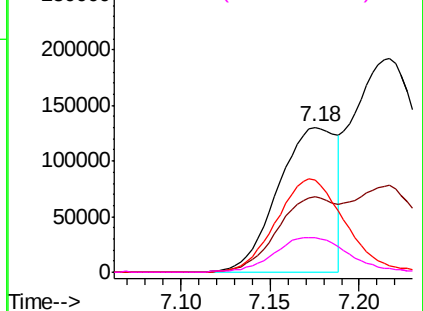
#41
Methacrylonitrile
Concen: 52.123 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 295623
Ion Ratio Lower Upper
41 100
39 51.5 44.7 67.1
67 76.3 61.4 92.0
52 29.8 25.0 37.4

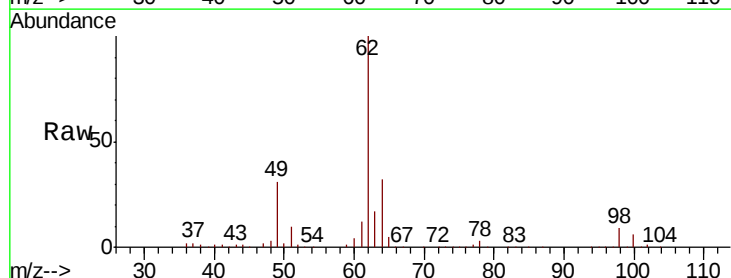


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

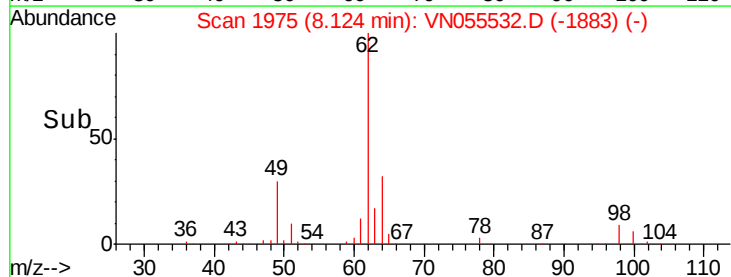
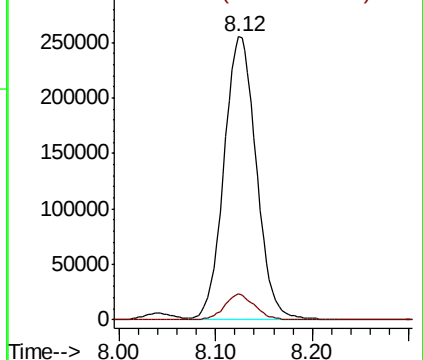


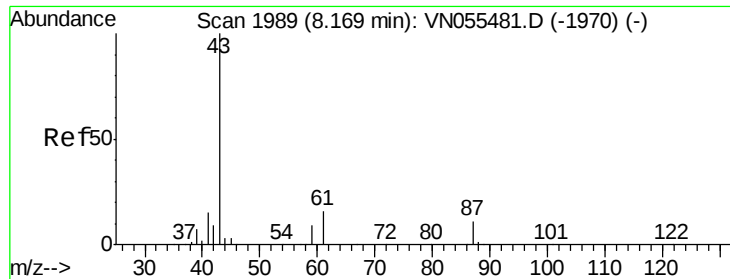
#42
1,2-Dichloroethane
Concen: 48.314 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion: 62 Resp: 590143
Ion Ratio Lower Upper
62 100
98 8.6 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 41.988 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampleId :

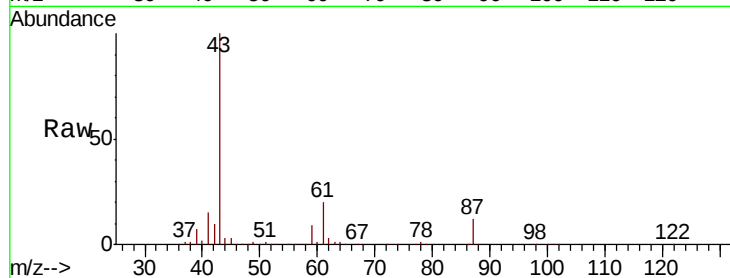
Tot Ion: 43 Resp: 779507

Ion Ratio Lower Upper

43 100

61 28.0 15.1 22.7#

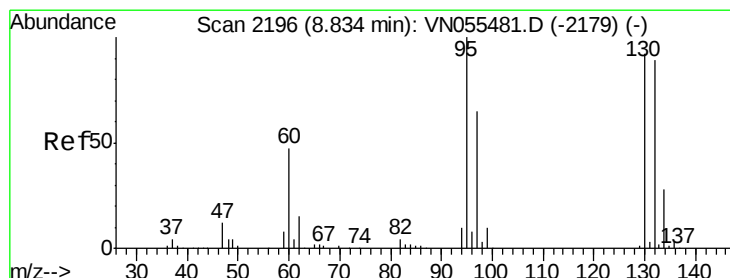
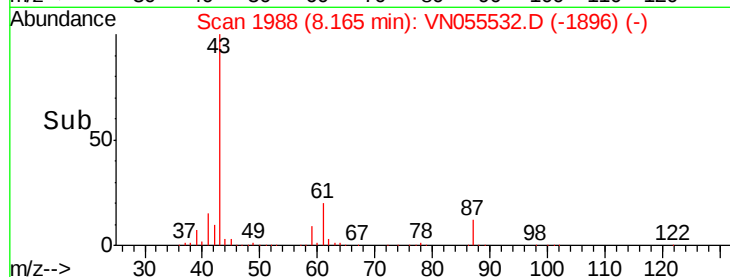
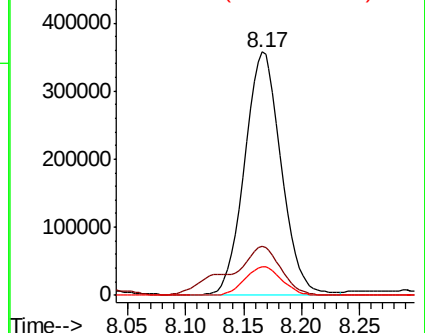
87 12.0 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055481.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055481.D (-1970) (-)



#44

Trichloroethene

Concen: 50.239 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055532.D

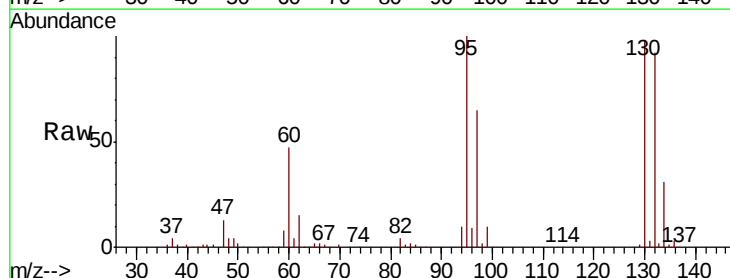
Acq: 10 May 2019 6:39

Tgt Ion:130 Resp: 415607

Ion Ratio Lower Upper

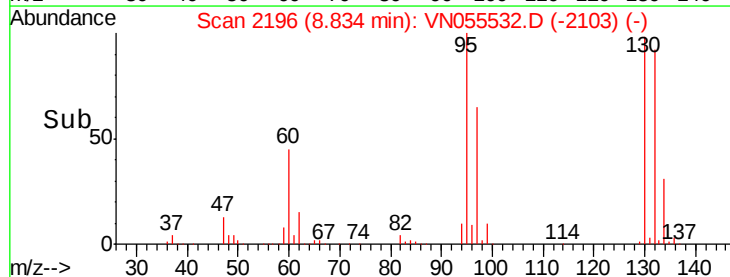
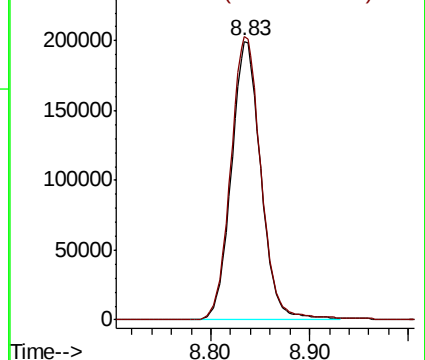
130 100

95 101.5 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055481.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055481.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 48.979 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

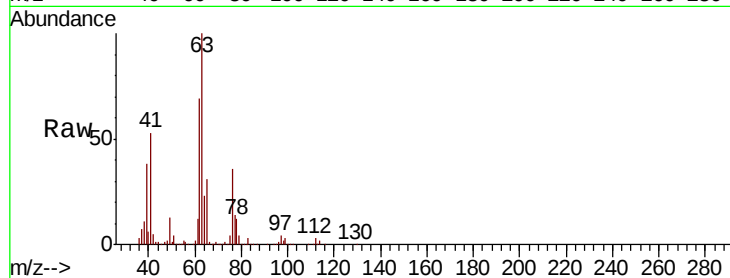
ClientSampled :

Tot Ion: 63 Resp: 487236

Ion Ratio Lower Upper

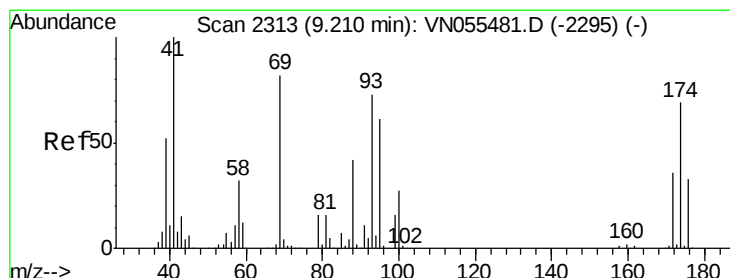
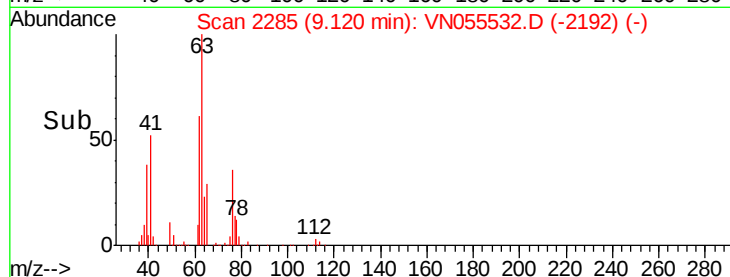
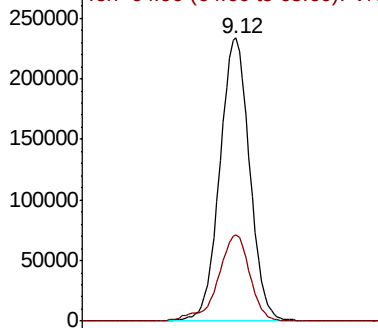
63 100

65 30.7 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.501 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

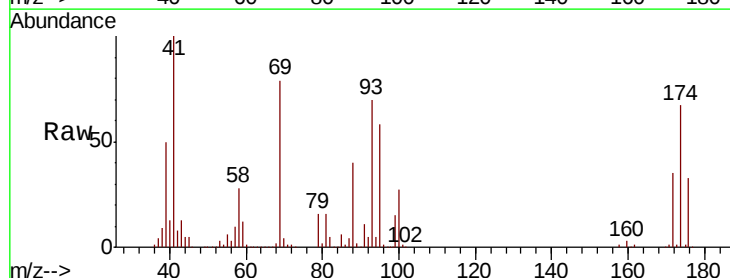
Tgt Ion: 93 Resp: 285425

Ion Ratio Lower Upper

93 100

95 83.4 64.8 97.2

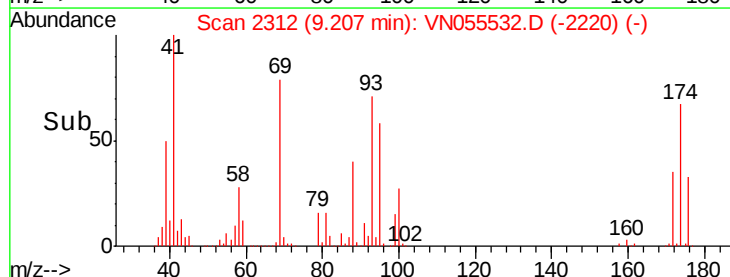
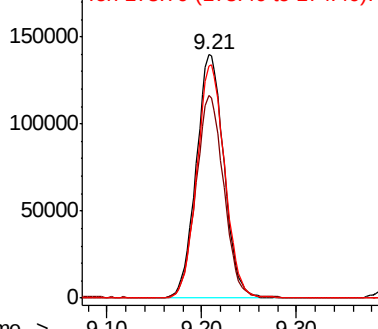
174 96.0 75.0 112.6

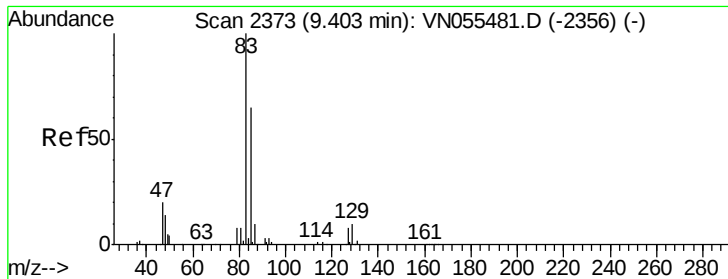


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.729 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampleId :

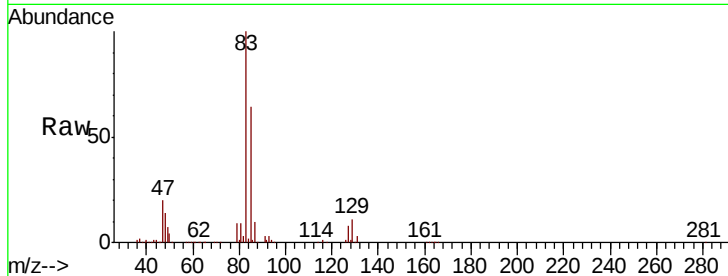
Tot Ion: 83 Resp: 548561

Ion Ratio Lower Upper

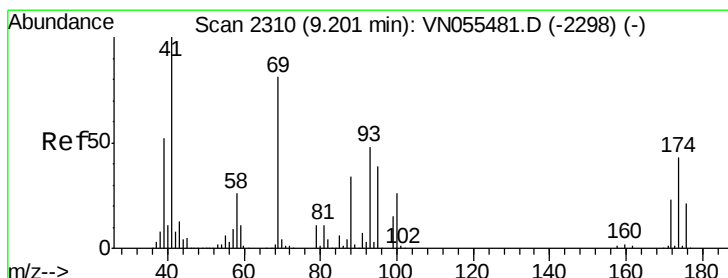
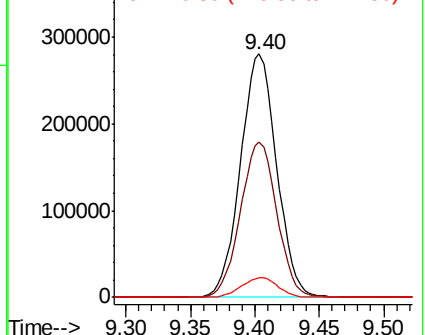
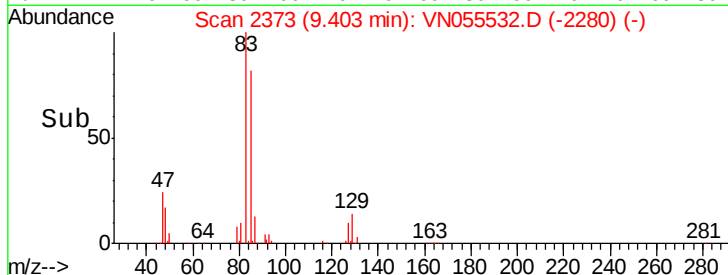
83 100

85 63.9 52.2 78.2

127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055532.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.611 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

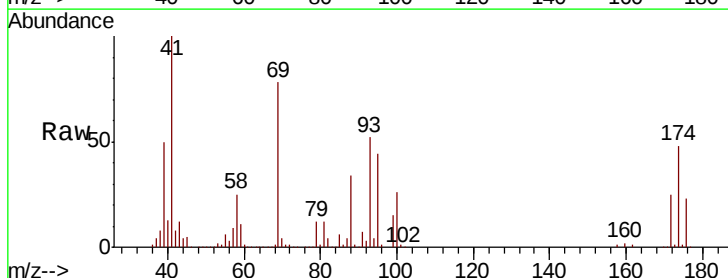
Tgt Ion: 41 Resp: 434811

Ion Ratio Lower Upper

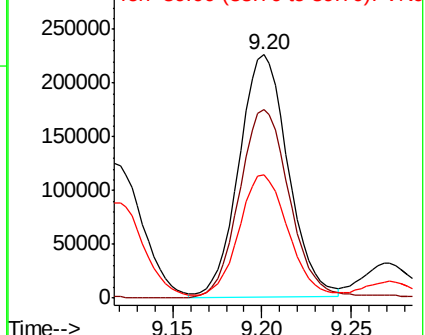
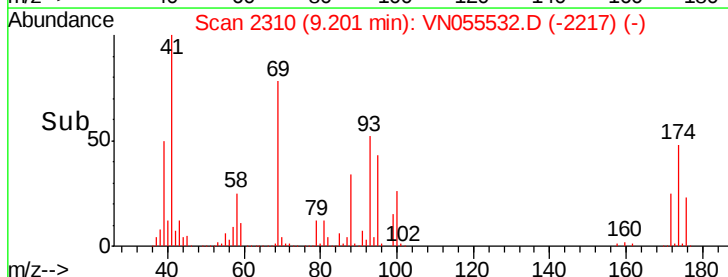
41 100

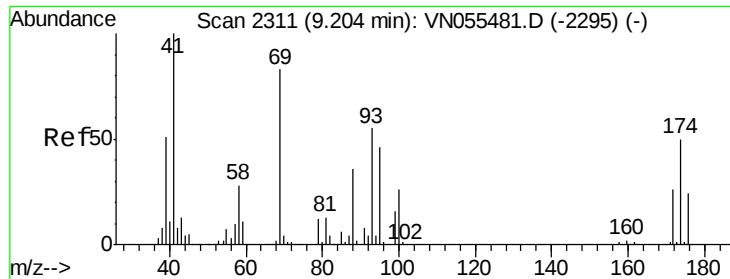
69 81.2 64.2 96.2

39 50.9 41.6 62.4



Abundance Ion 41.00 (40.70 to 41.70): VN055532.D (-2217) (-)

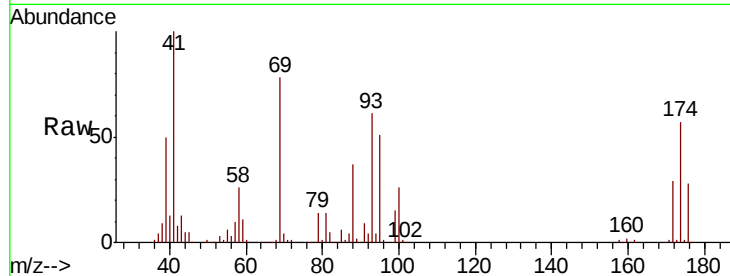




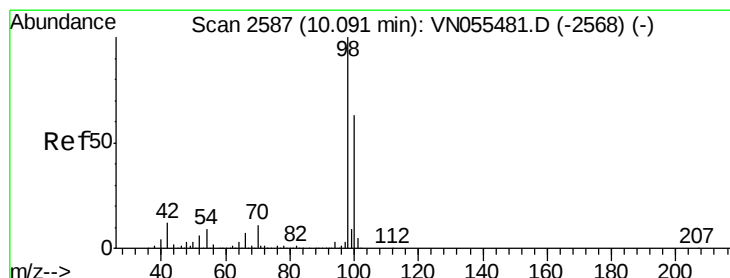
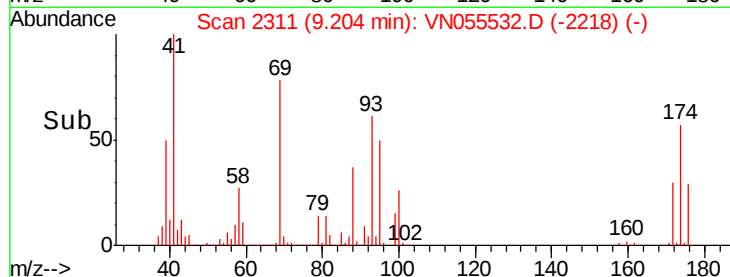
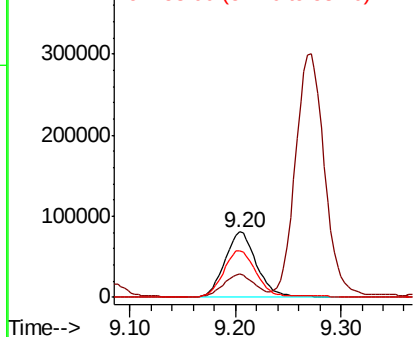
#49
1,4-Dioxane
Concen: 973.791 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 169766
Ion Ratio Lower Upper
88 100
43 32.9 27.8 41.8
58 76.5 61.8 92.6

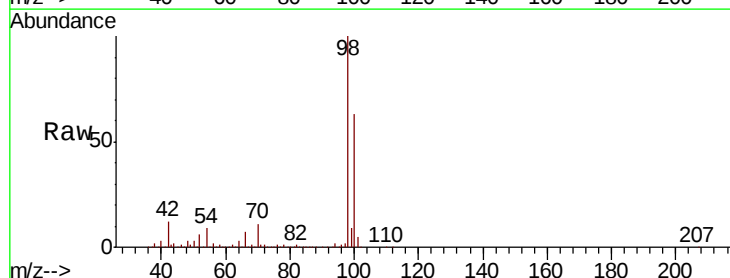


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

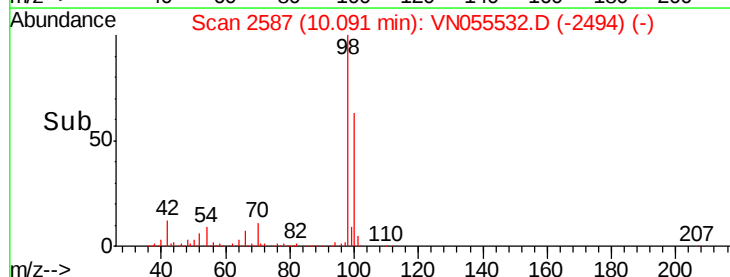
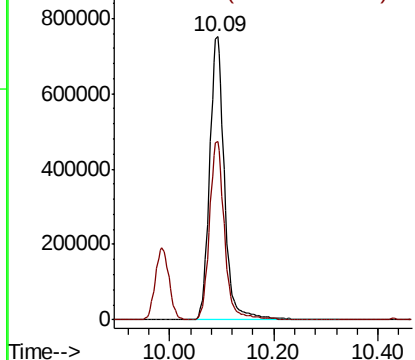


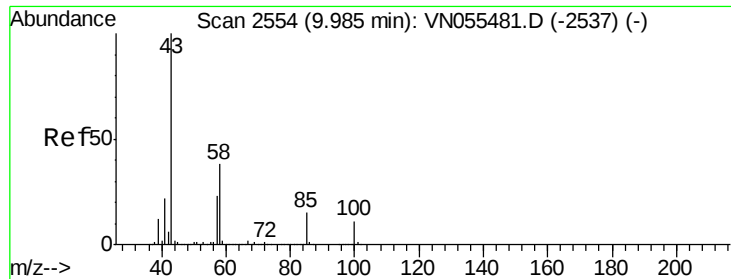
#50
Toluene-d8
Concen: 52.115 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion: 98 Resp: 1489677
Ion Ratio Lower Upper
98 100
100 63.0 50.4 75.6



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





#51

4-Methyl-2-Pentanone

Concen: 230.601 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

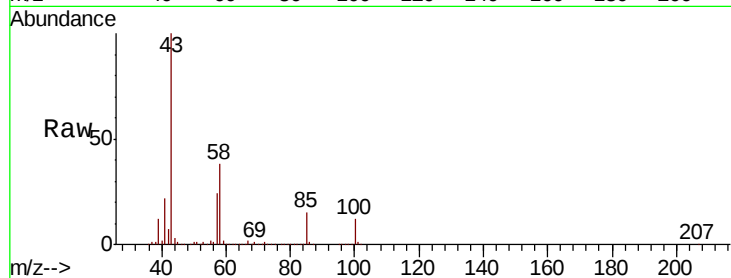
ClientSampleId :

Tot Ion: 43 Resp: 2815609

Ion Ratio Lower Upper

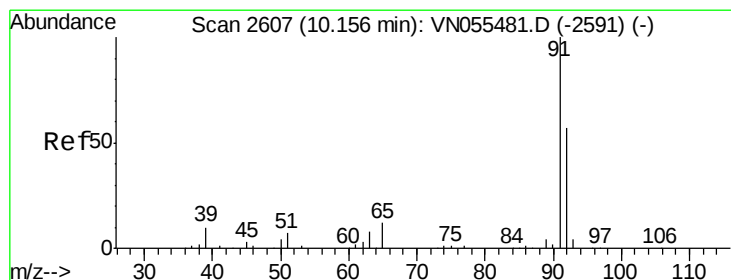
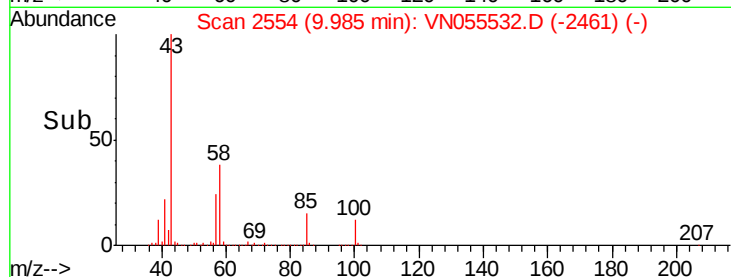
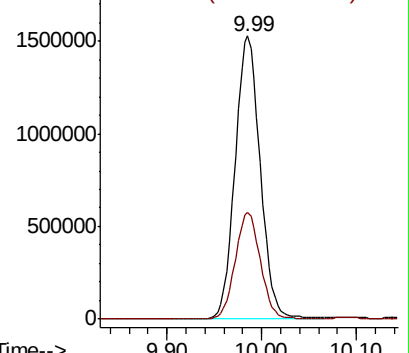
43 100

58 37.9 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.889 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055532.D

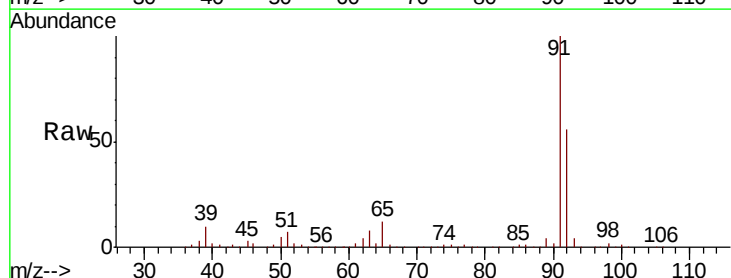
Acq: 10 May 2019 6:39

Tgt Ion: 92 Resp: 1011477

Ion Ratio Lower Upper

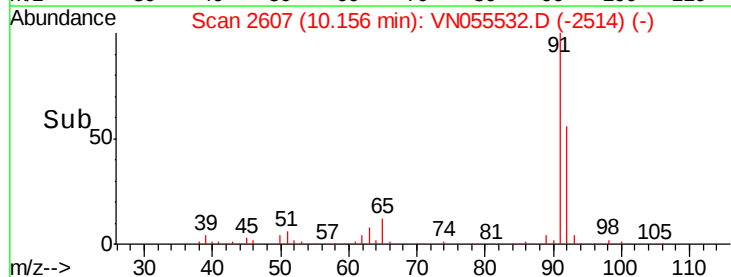
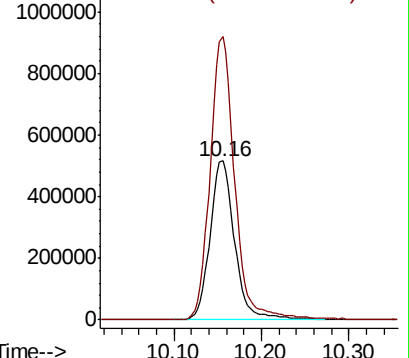
92 100

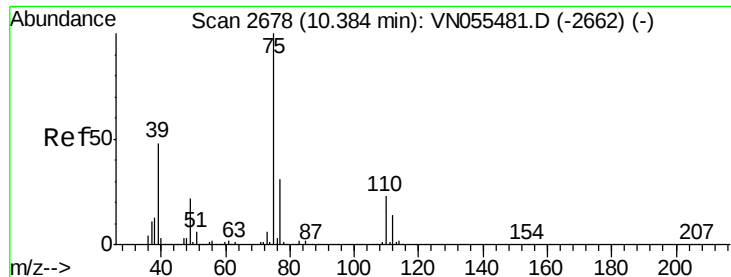
91 177.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 48.801 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

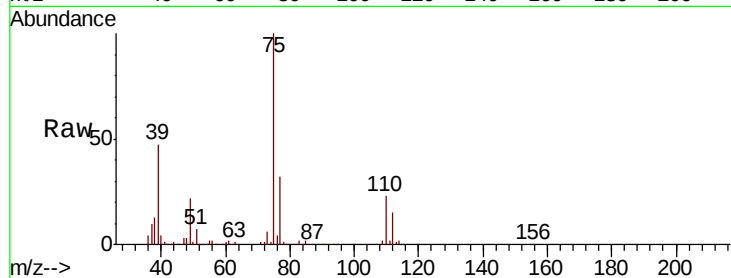
ClientSampleId :

Tot Ion: 75 Resp: 517020

Ion Ratio Lower Upper

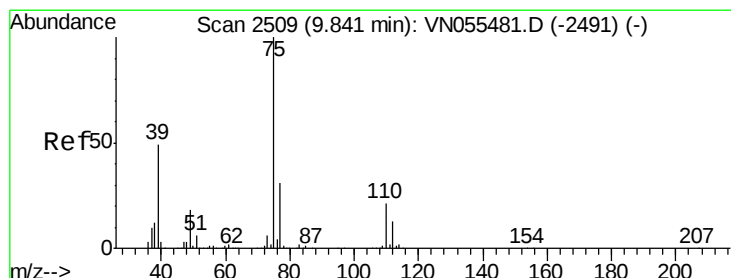
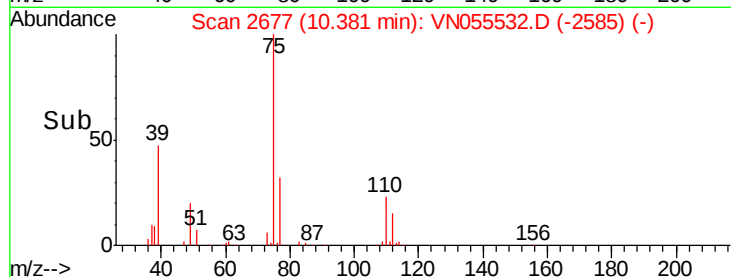
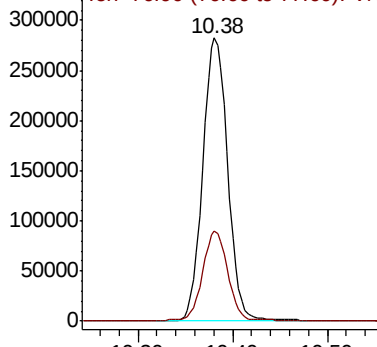
75 100

77 31.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.307 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

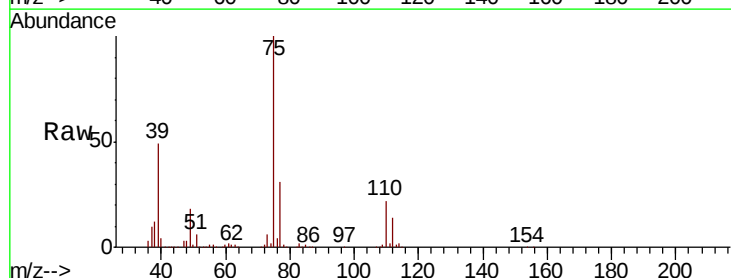
Tgt Ion: 75 Resp: 611548

Ion Ratio Lower Upper

75 100

77 31.4 24.4 36.6

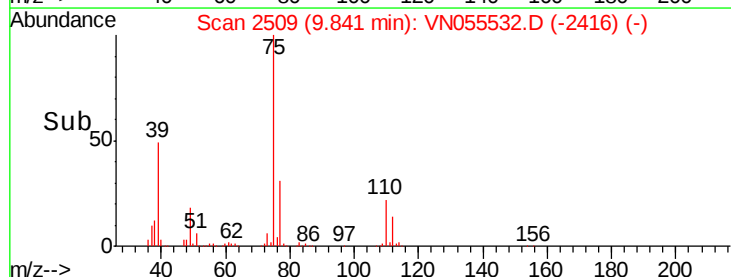
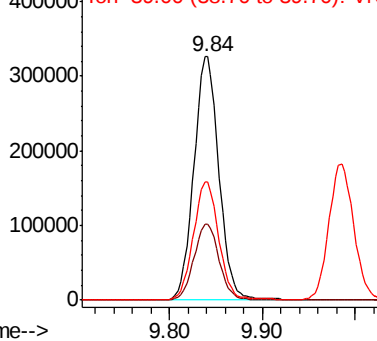
39 48.6 39.5 59.3

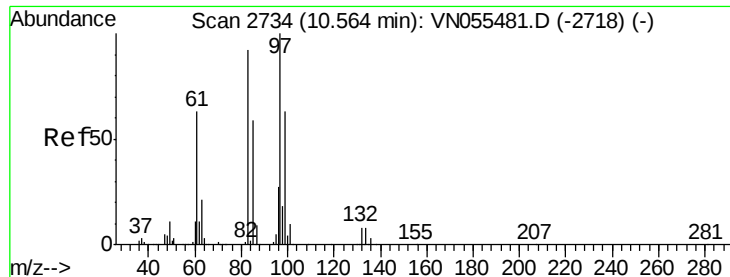


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 49.860 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 401535

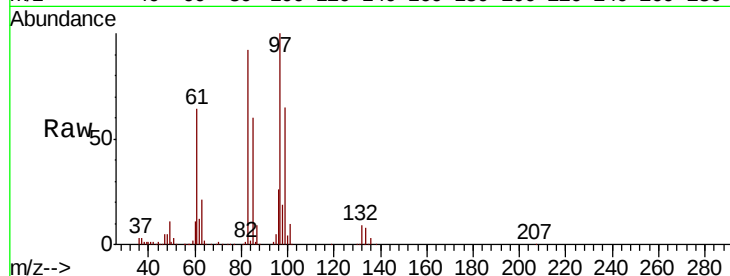
Ion Ratio Lower Upper

97 100

83 91.5 73.2 109.8

85 60.0 47.5 71.3

99 65.1 50.2 75.2

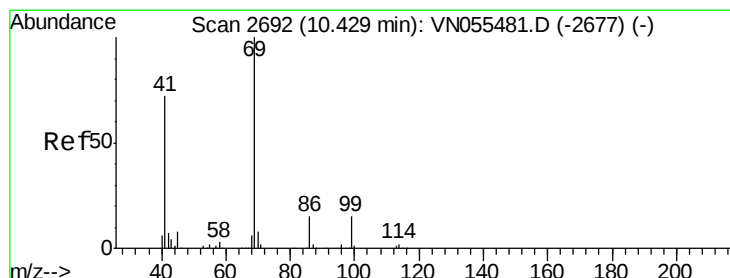
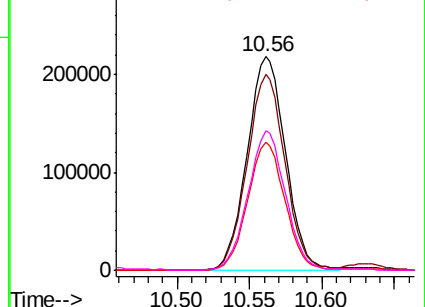
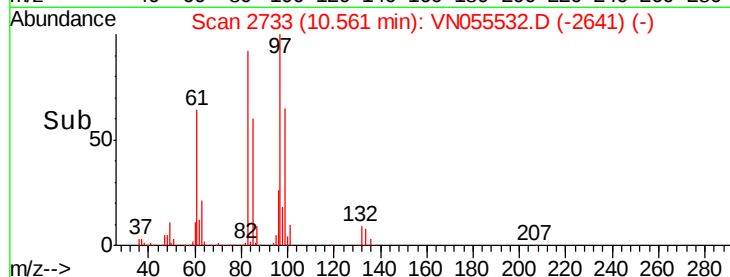


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 49.217 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

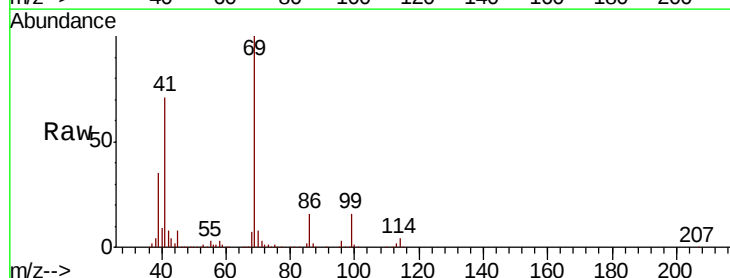
Tgt Ion: 69 Resp: 589553

Ion Ratio Lower Upper

69 100

41 68.4 56.2 84.2

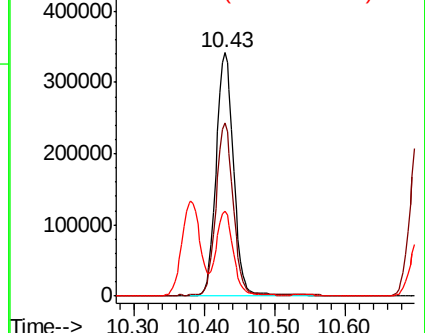
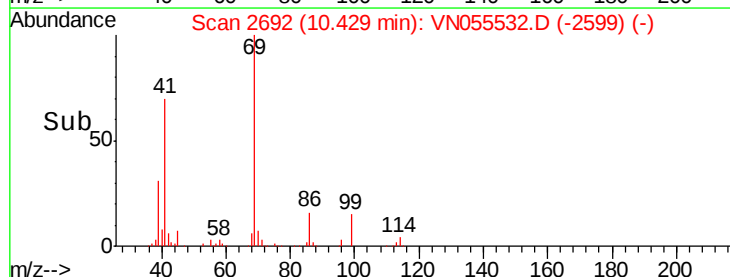
39 33.7 27.8 41.6

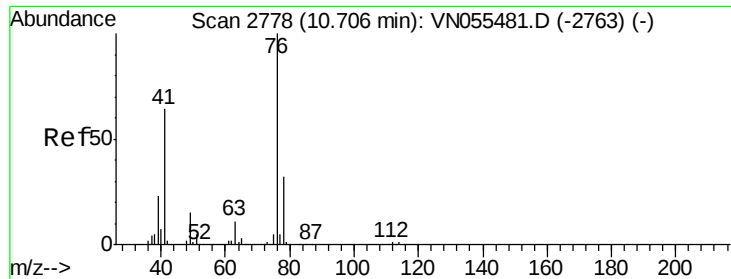


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.409 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

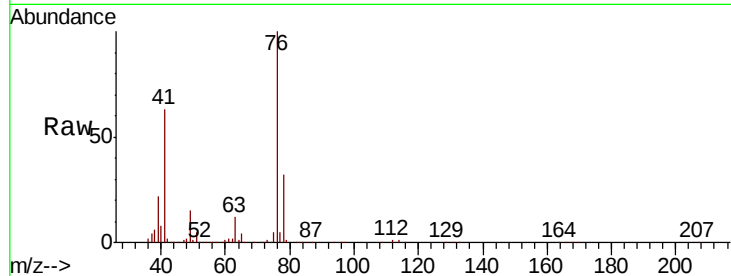
ClientSampled :

Tot Ion: 76 Resp: 720708

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

300000

200000

100000

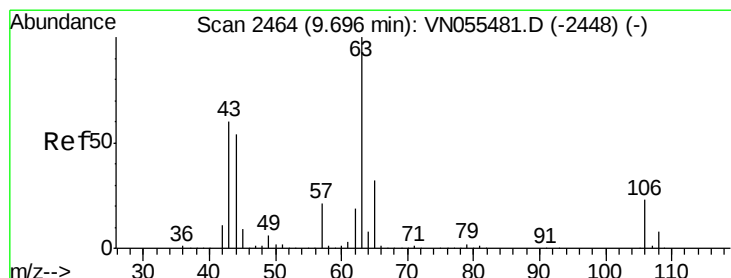
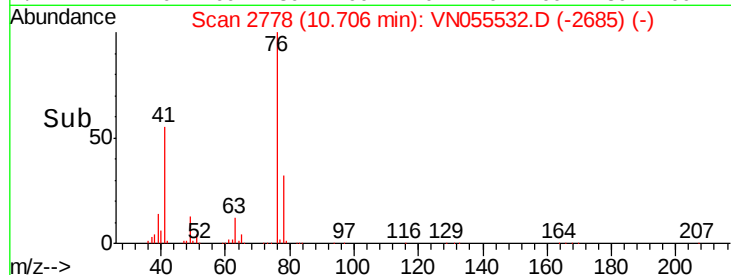
0

Time-->

10.60

10.70

10.80



#58

2-Chloroethyl Vinyl ether

Concen: 12.622 ug/l

RT: 9.72 min Scan# 2470

Delta R.T. 0.02 min

Lab File: VN055532.D

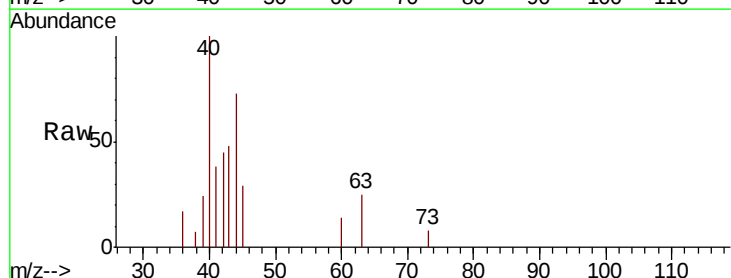
Acq: 10 May 2019 6:39

Tgt Ion: 63 Resp: 470

Ion Ratio Lower Upper

63 100

106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

800

600

400

200

0

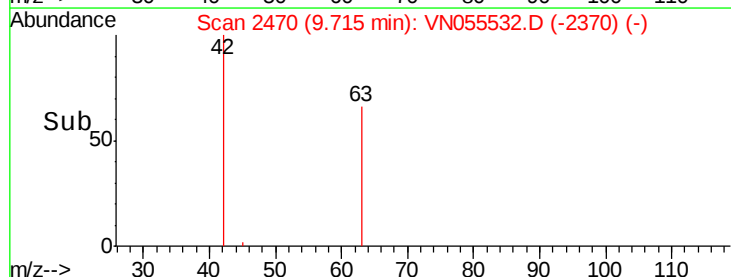
Time-->

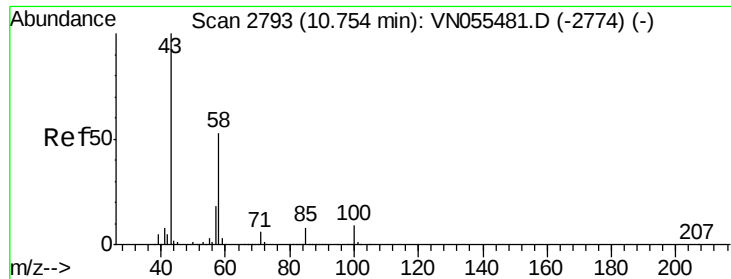
9.69

9.70

9.71

9.72

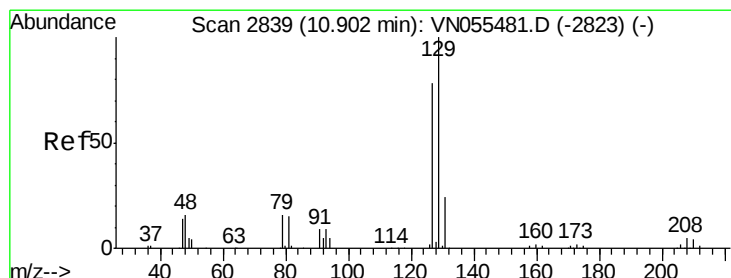
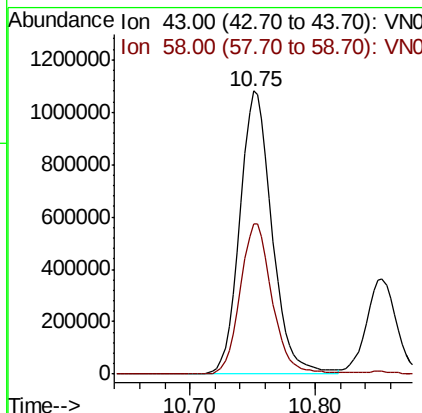
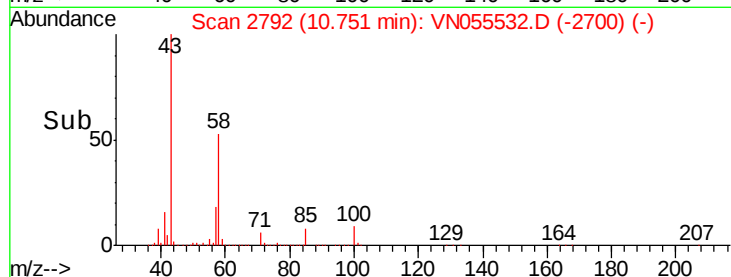
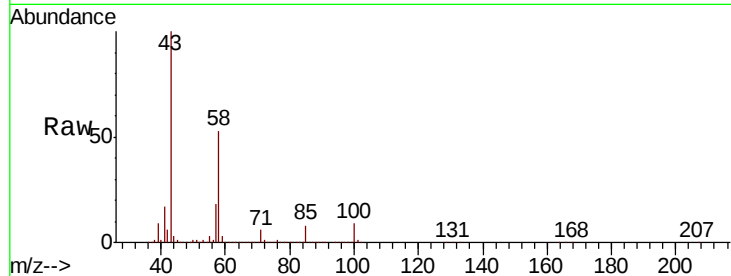




#59
2-Hexanone
Concen: 224.863 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

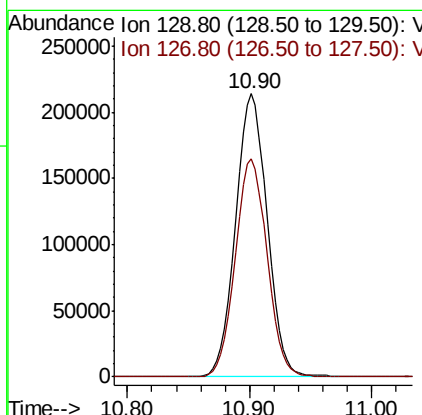
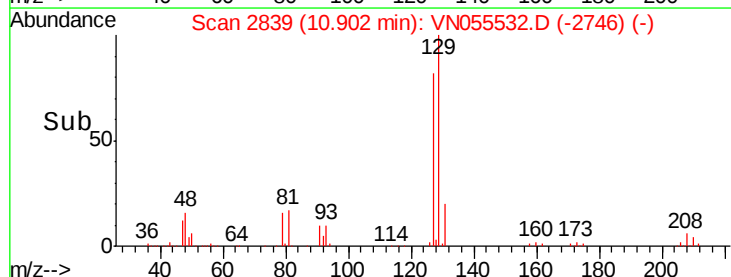
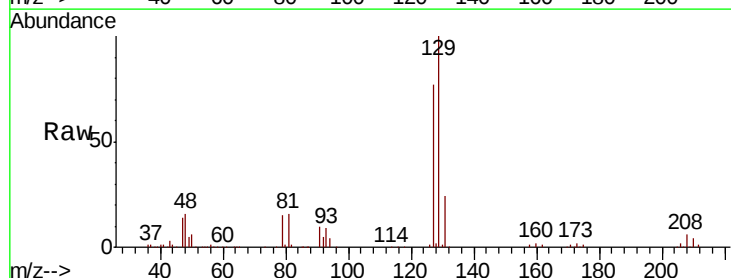
Instrument :
MSVOA_N
ClientSampleId :

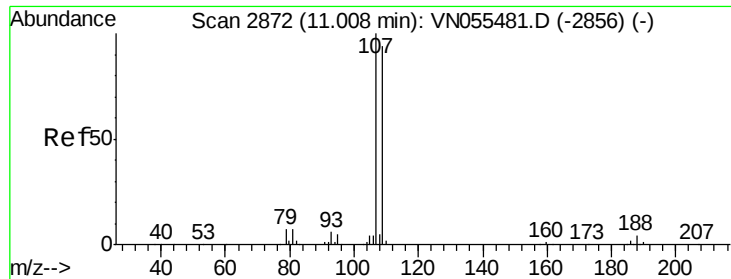
Tot Ion: 43 Resp: 1925452
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0



#60
Dibromochloromethane
Concen: 52.500 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion: 129 Resp: 384402
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0

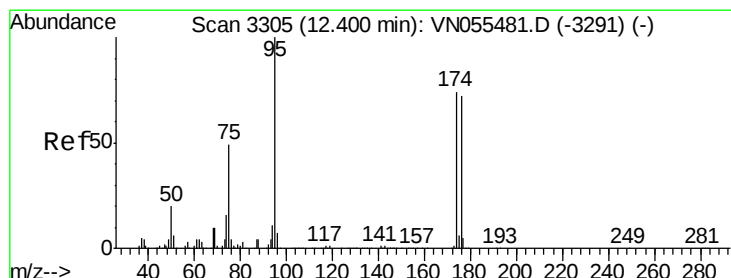
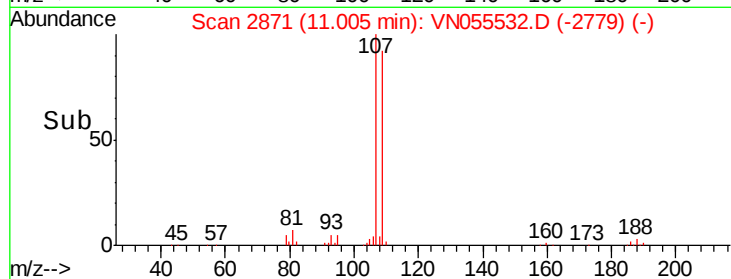
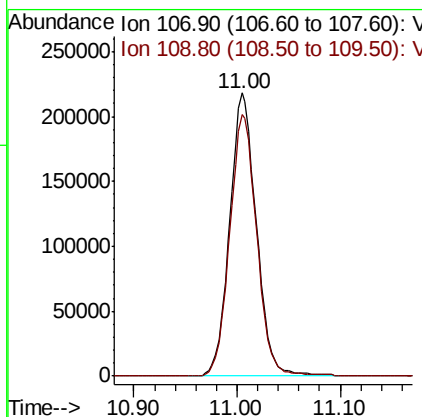
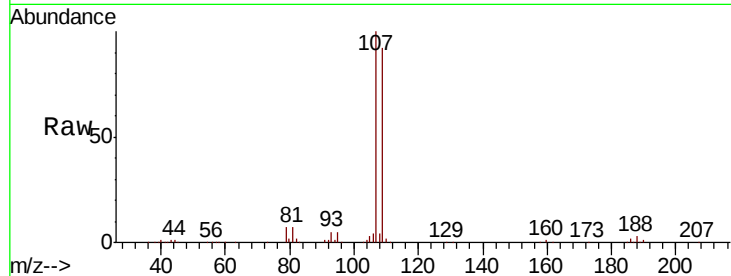




#61
 1,2-Dibromoethane
 Concen: 50.849 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

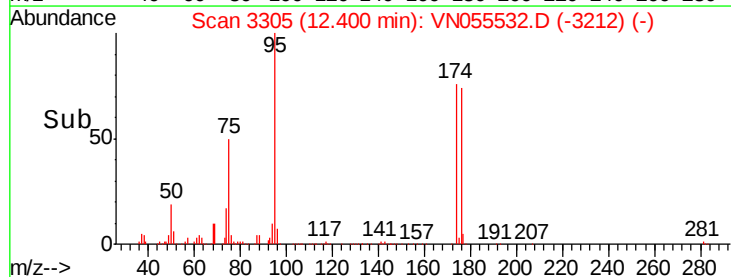
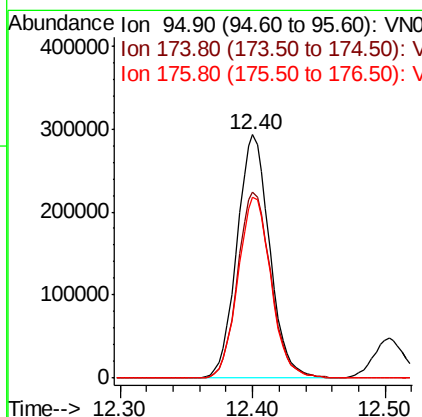
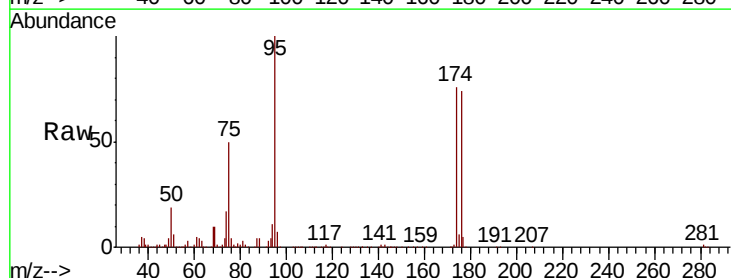
Instrument :
 MSVOA_N
 ClientSampleId :

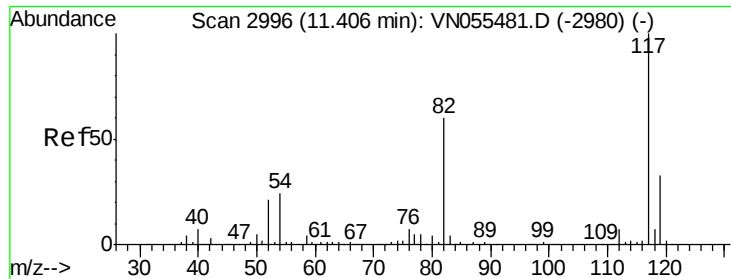
Tot Ion: 107 Resp: 393447
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 52.206 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Tgt Ion: 95 Resp: 503171
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 152.2
 176 75.0 0.0 147.8

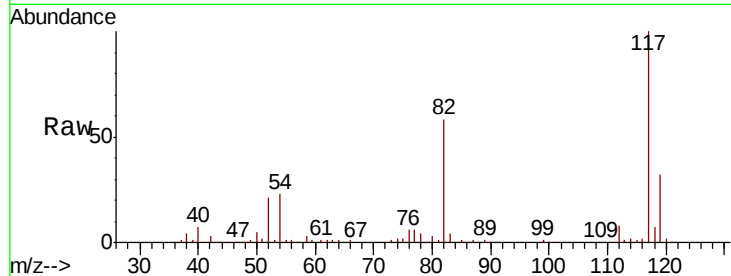




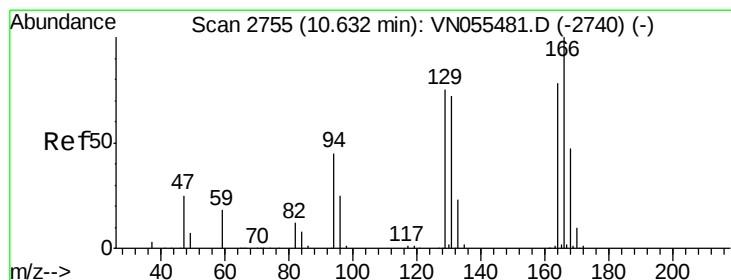
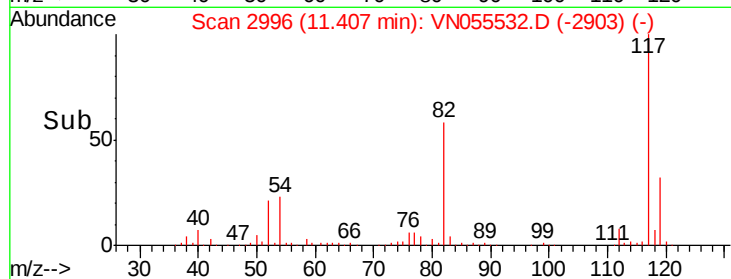
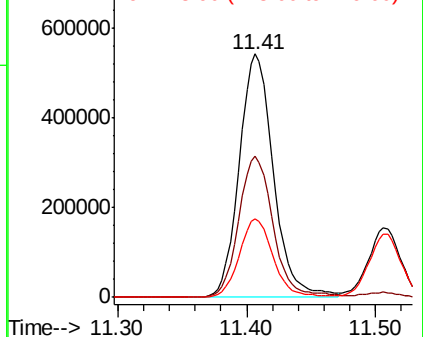
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1001087
Ion Ratio Lower Upper
117 100
82 57.8 48.0 72.0
119 32.4 26.0 39.0

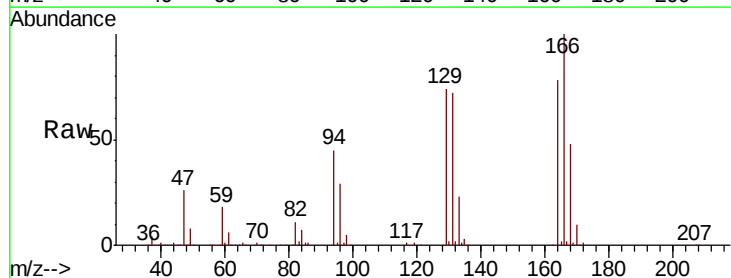


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

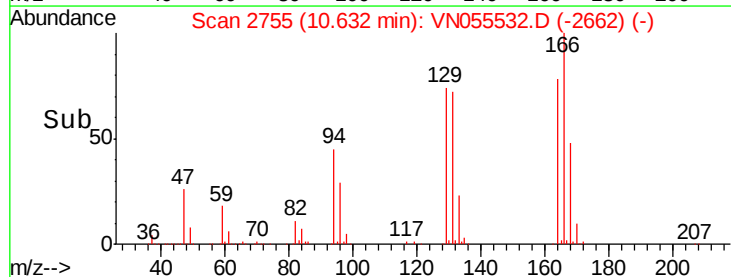
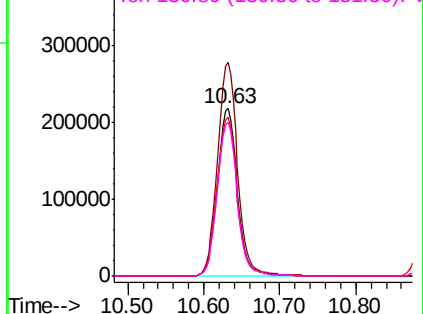


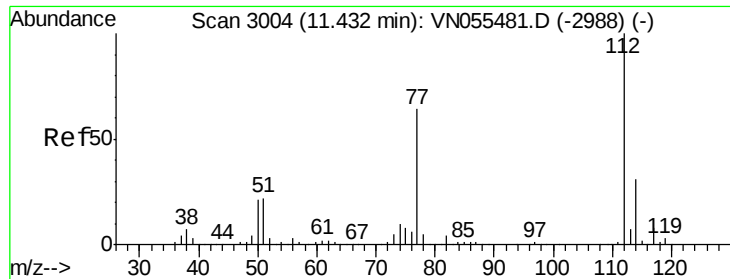
#64
Tetrachloroethene
Concen: 48.376 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion:164 Resp: 396823
Ion Ratio Lower Upper
164 100
166 127.8 102.6 153.8
129 94.9 77.0 115.6
131 91.8 73.7 110.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

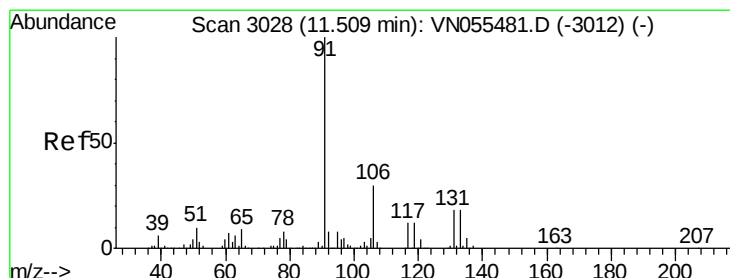
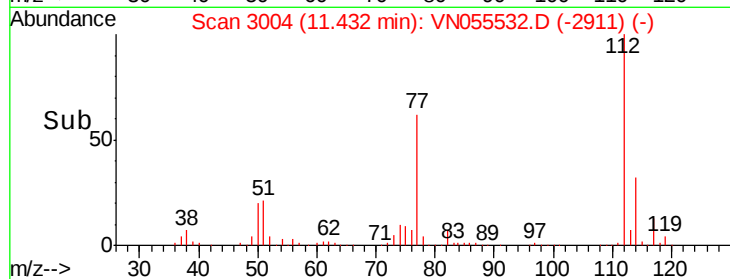
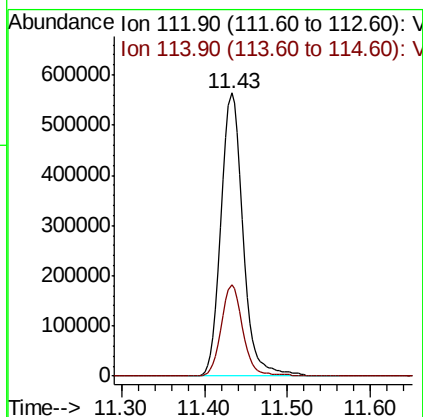
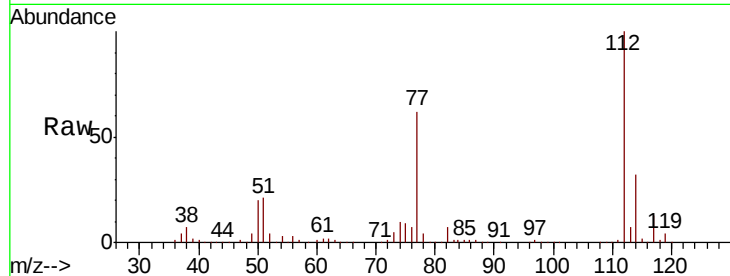




#65
Chlorobenzene
Concen: 50.249 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

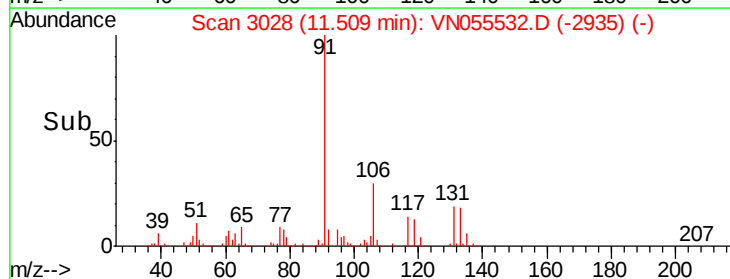
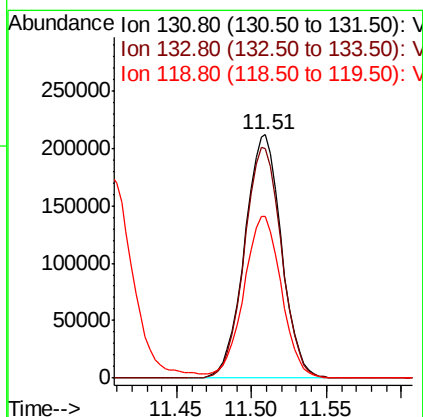
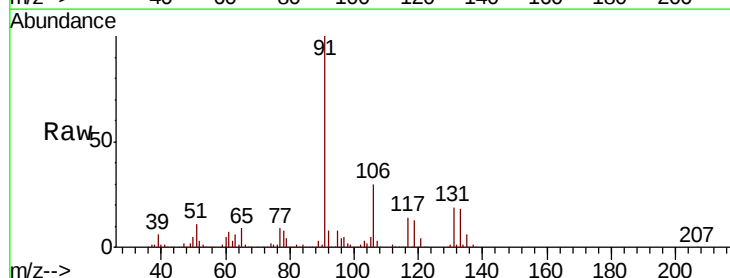
Instrument :
MSVOA_N
ClientSampled :

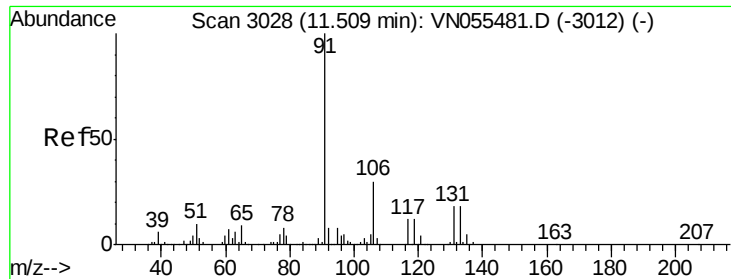
Tot Ion:112 Resp: 1034930
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.182 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion:131 Resp: 362902
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.2
119 68.0 34.1 102.2

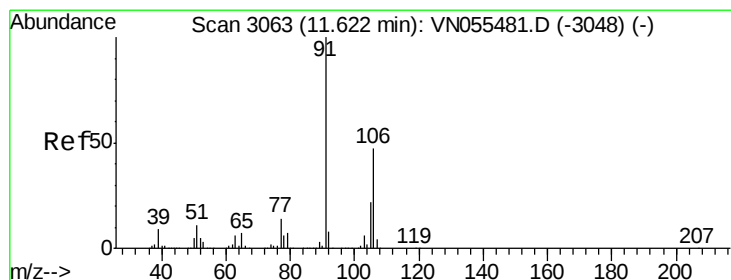
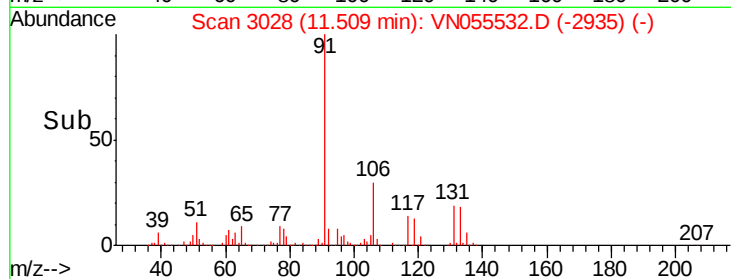
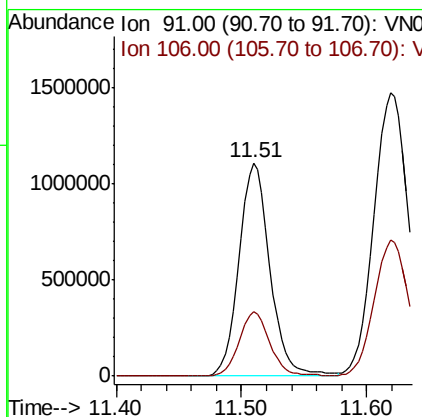
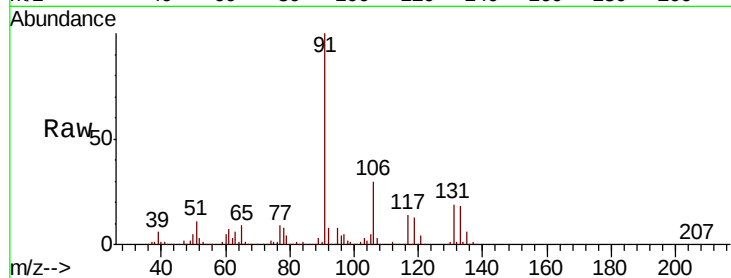




#67
Ethyl Benzene
Concen: 49.153 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

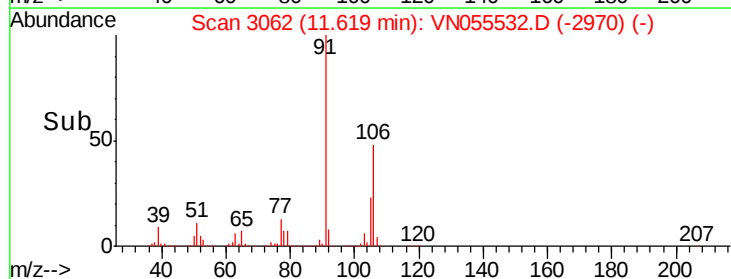
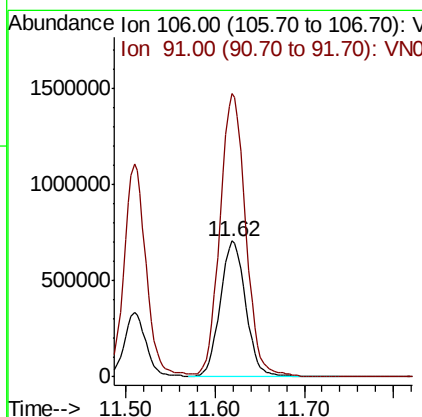
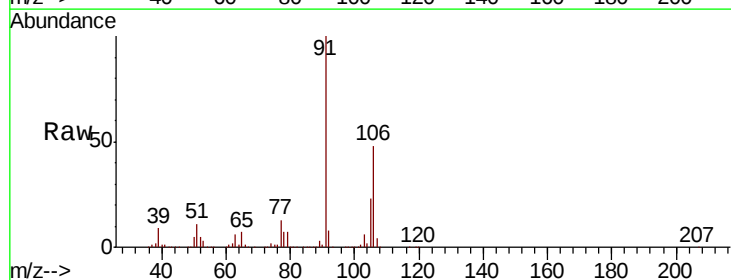
Instrument :
MSVOA_N
ClientSampled :

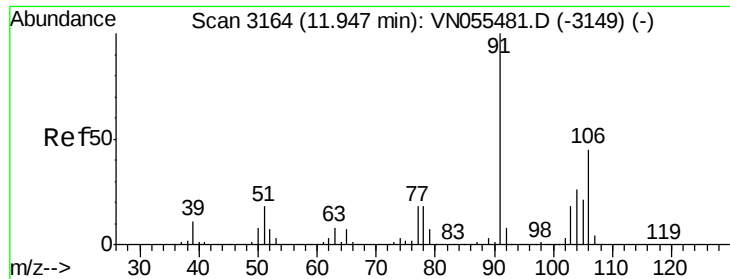
Tot Ion: 91 Resp: 1901359
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6



#68
m/p-Xylenes
Concen: 101.255 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion:106 Resp: 1405612
Ion Ratio Lower Upper
106 100
91 209.5 169.2 253.8

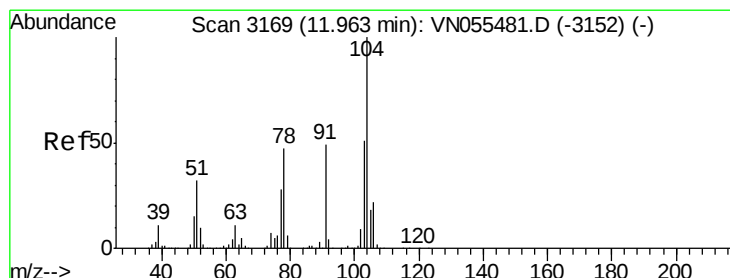
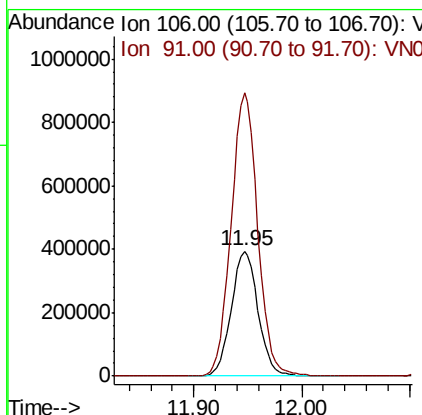
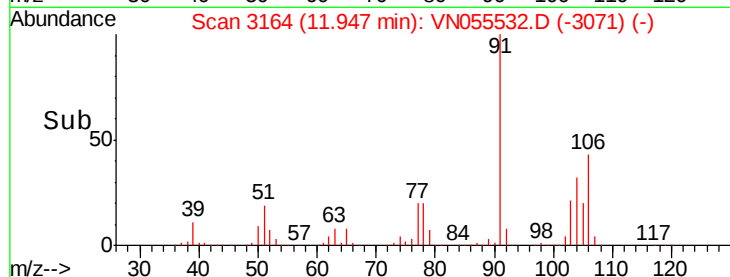
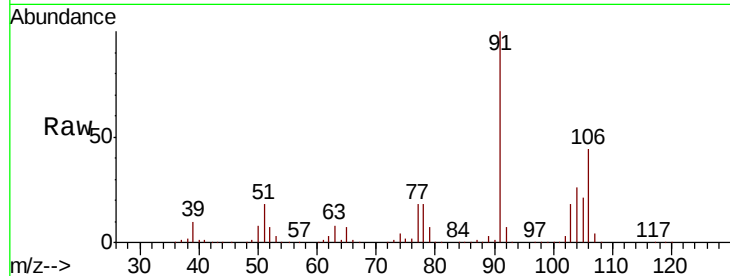




#69
o-Xylene
Concen: 50.029 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

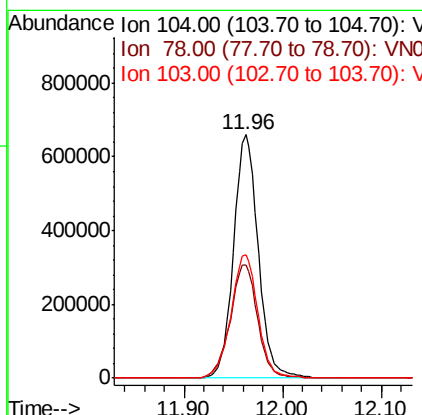
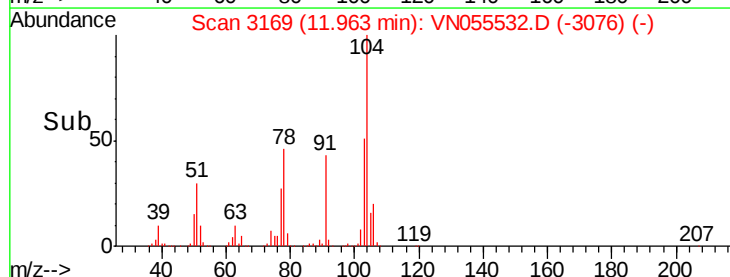
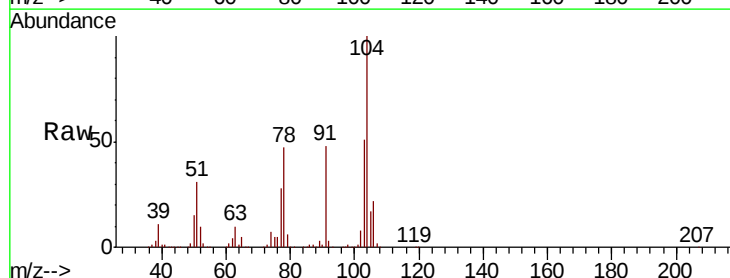
Instrument :
MSVOA_N
ClientSampled :

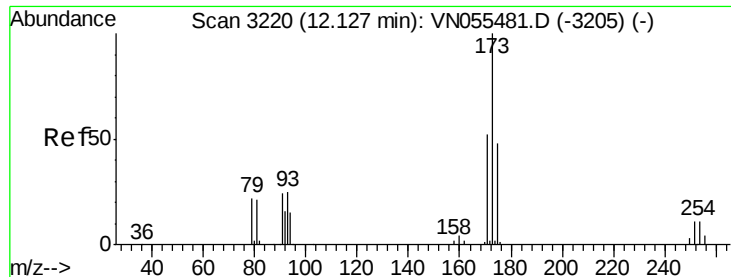
Tot Ion:106 Resp: 682612
Ion Ratio Lower Upper
106 100
91 224.3 111.3 333.8



#70
Styrene
Concen: 52.544 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion:104 Resp: 1148597
Ion Ratio Lower Upper
104 100
78 51.9 41.6 62.4
103 55.4 44.4 66.6





#71

Bromoform

Concen: 52.513 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampleId :

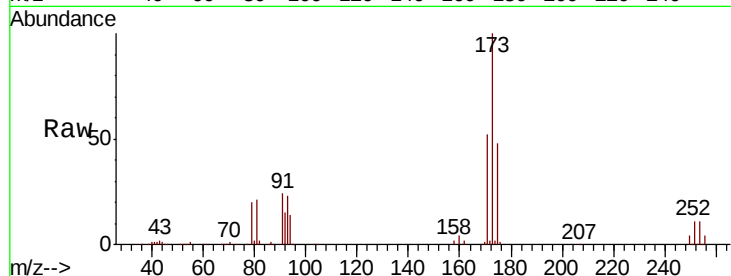
Tot Ion:173 Resp: 251257

Ion Ratio Lower Upper

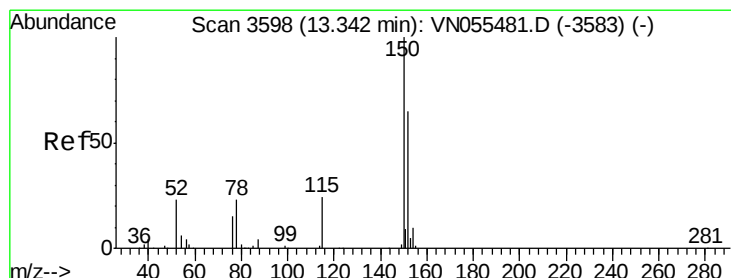
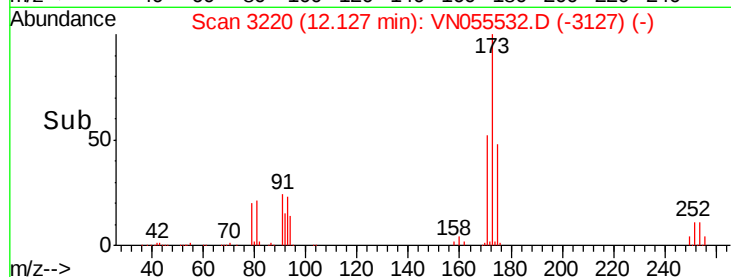
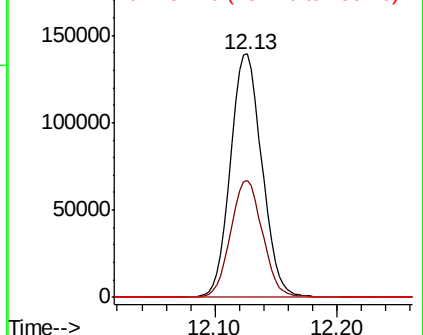
173 100

175 48.7 24.1 72.4

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

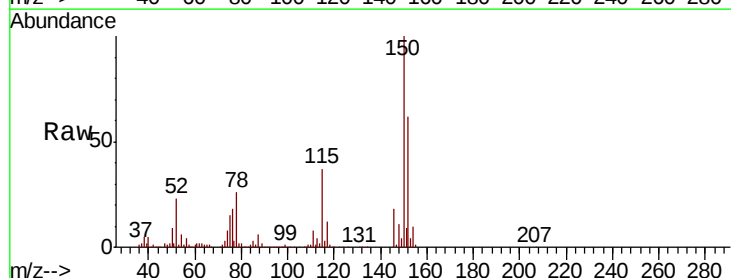
Tgt Ion:152 Resp: 426797

Ion Ratio Lower Upper

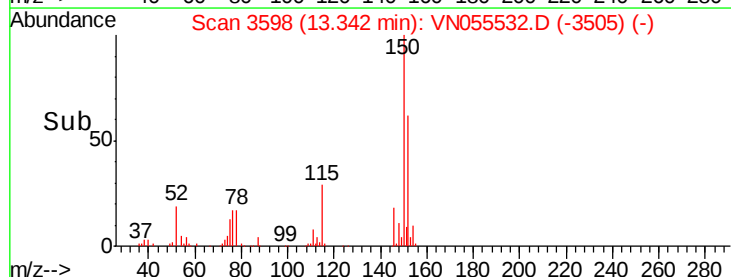
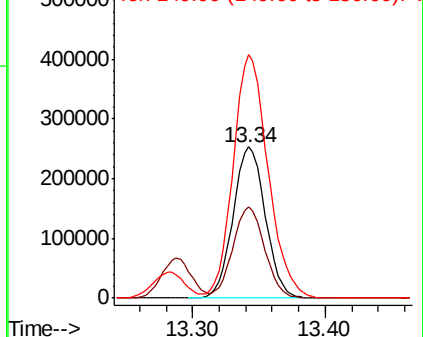
152 100

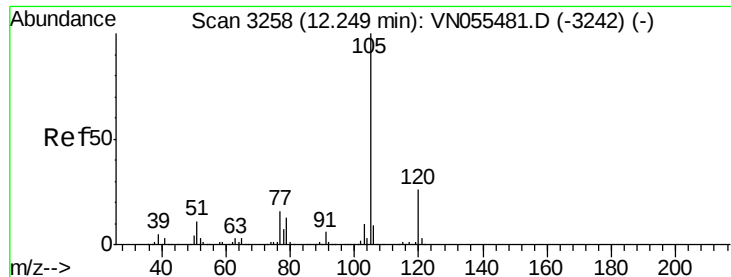
115 59.6 30.1 90.5

150 174.4 0.0 355.0



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: 51.343 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

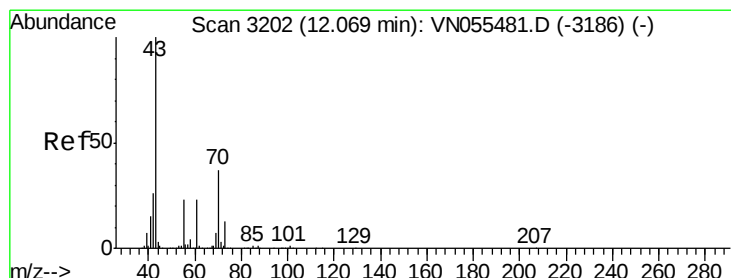
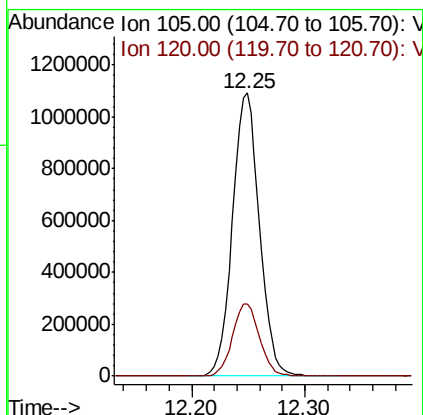
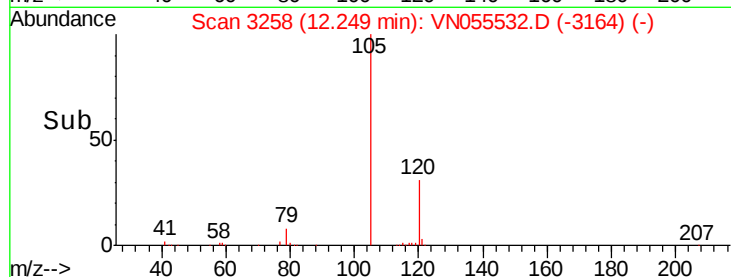
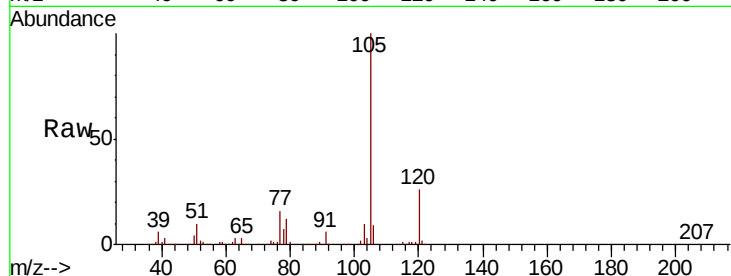
ClientSampleId :

Tot Ion:105 Resp: 1804501

Ion Ratio Lower Upper

105 100

120 25.7 13.0 39.0



#74

N-ethyl acetate

Concen: 34.972 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Tgt Ion: 43 Resp: 566666

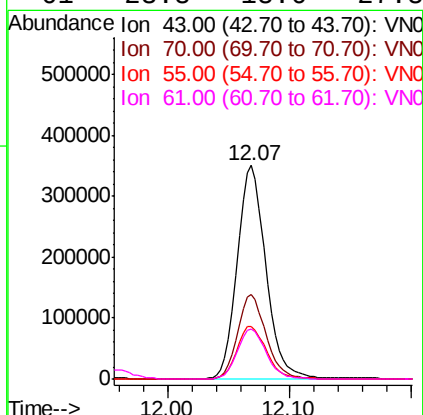
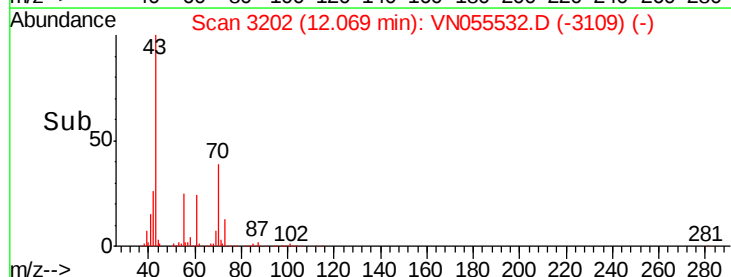
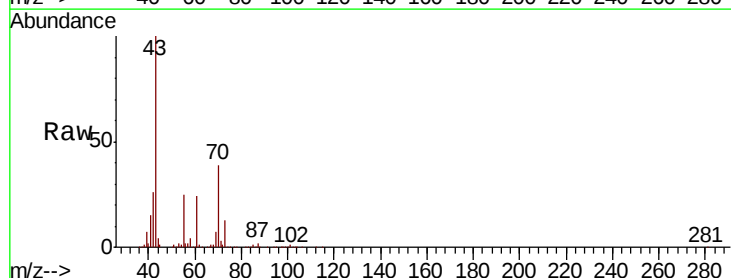
Ion Ratio Lower Upper

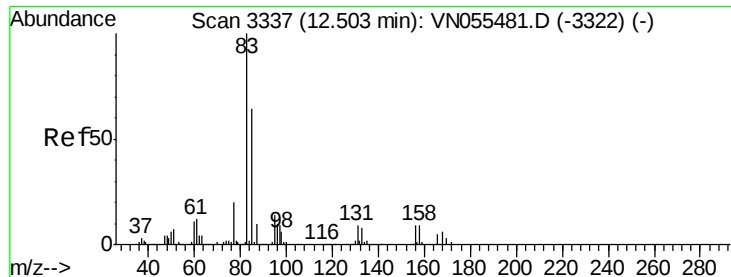
43 100

70 39.6 30.7 46.1

55 25.4 19.3 28.9

61 23.8 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.224 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampled :

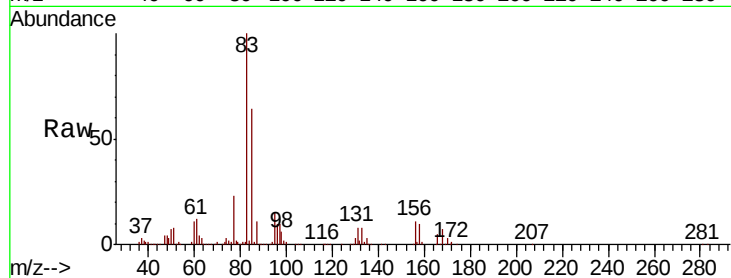
Tot Ion: 83 Resp: 563678

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

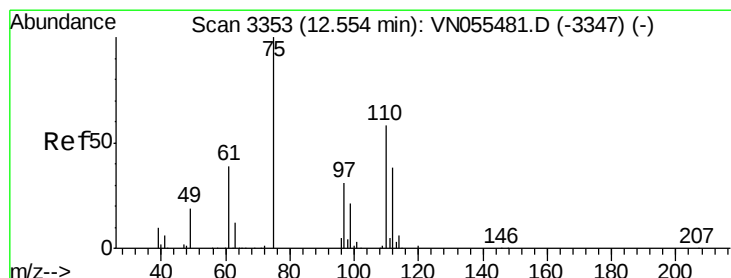
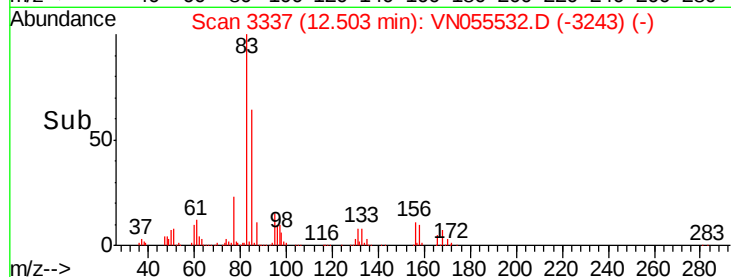
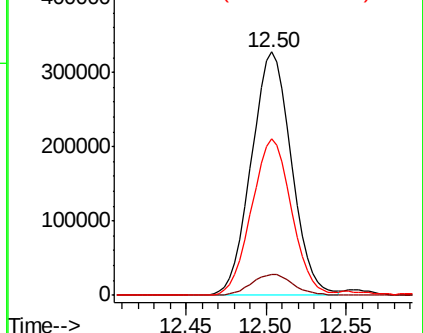
85 63.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN055532.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055532.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055532.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 57.028 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055532.D

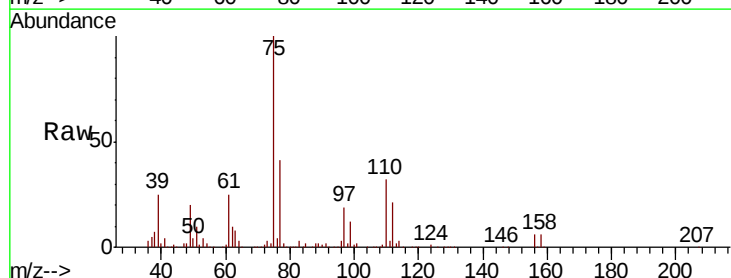
Acq: 10 May 2019 6:39

Tgt Ion: 75 Resp: 662602

Ion Ratio Lower Upper

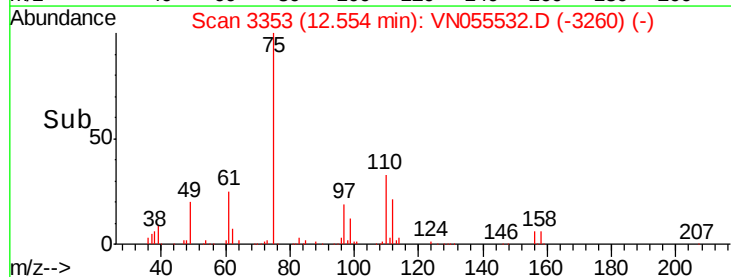
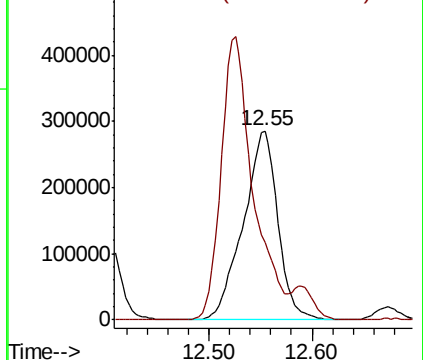
75 100

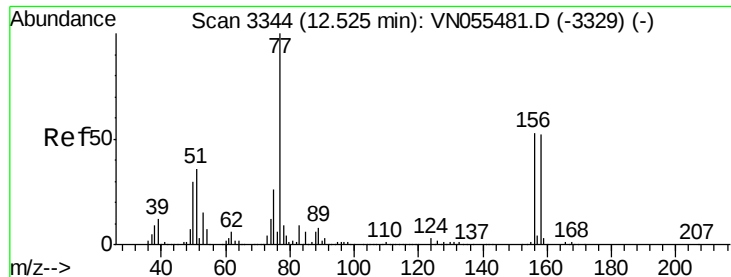
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055532.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055532.D (-3260) (-)





#77

Bromobenzene

Concen: 44.683 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampleId :

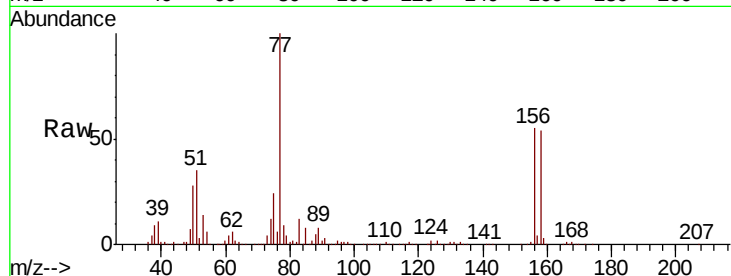
Tot Ion:156 Resp: 420280

Ion Ratio Lower Upper

156 100

77 220.4 115.4 346.2

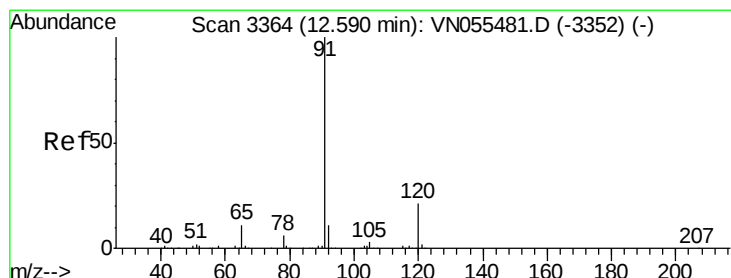
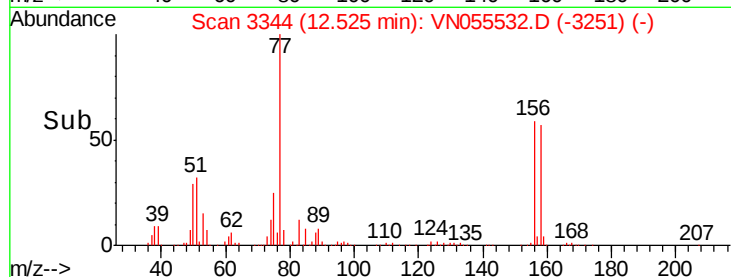
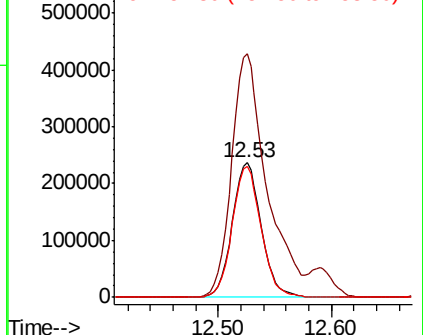
158 97.3 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.950 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055532.D

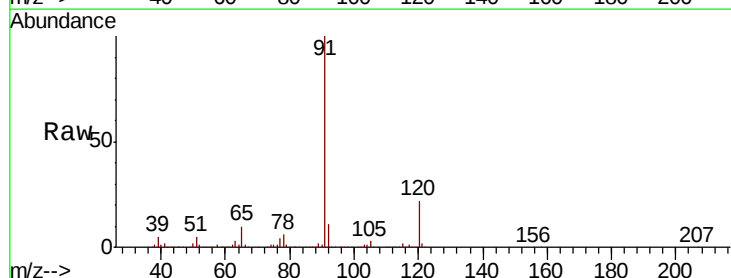
Acq: 10 May 2019 6:39

Tgt Ion: 91 Resp: 2057666

Ion Ratio Lower Upper

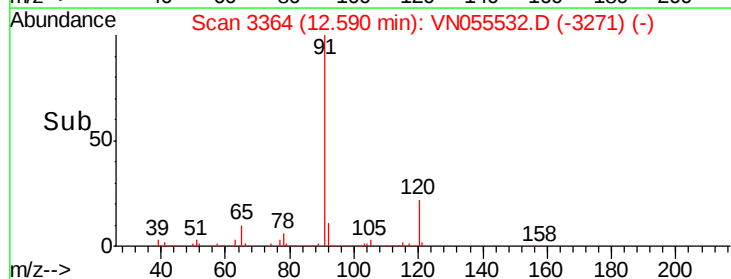
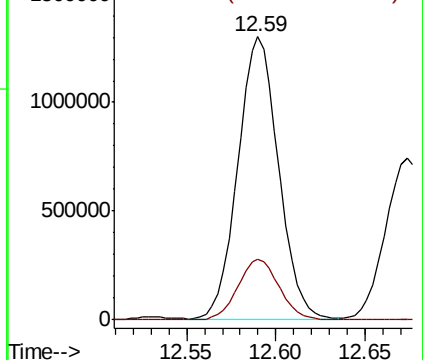
91 100

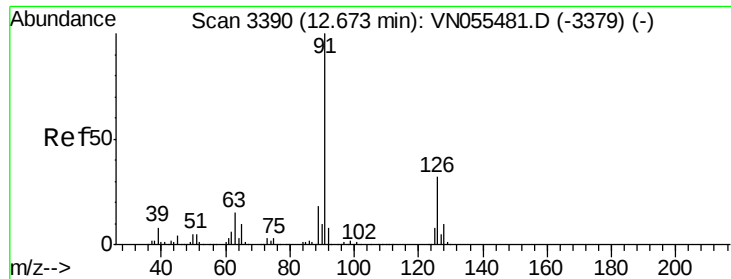
120 21.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.630 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

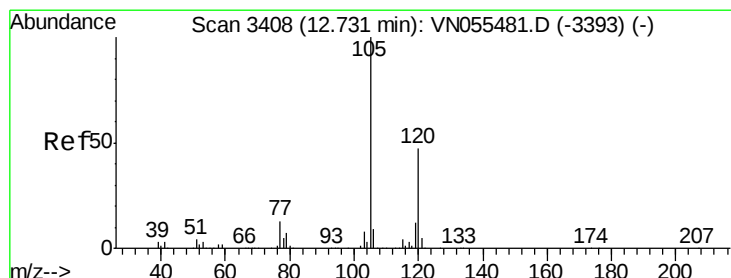
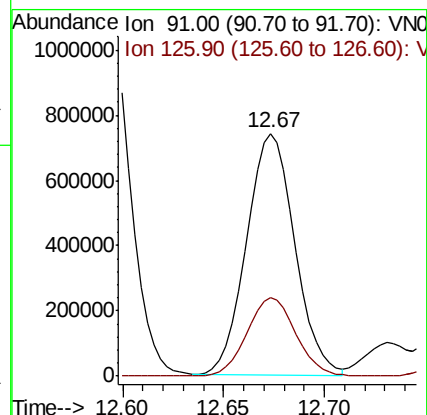
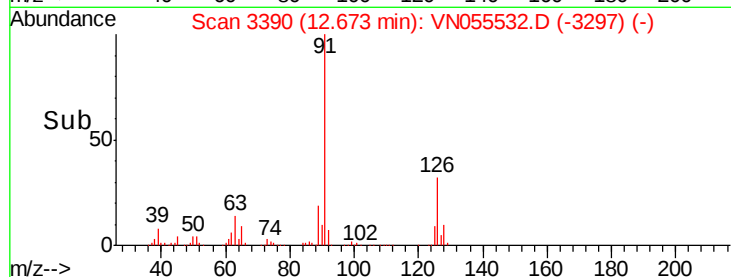
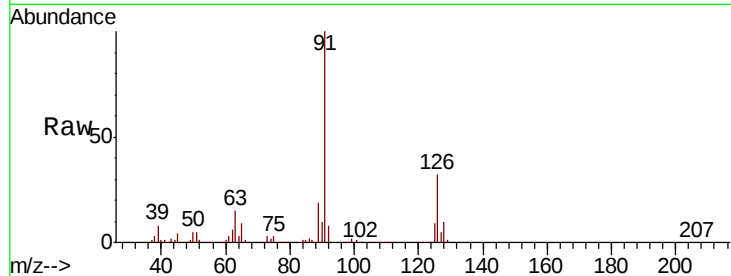
ClientSampleId :

Tot Ion: 91 Resp: 1244685

Ion Ratio Lower Upper

91 100

126 32.9 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 44.988 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055532.D

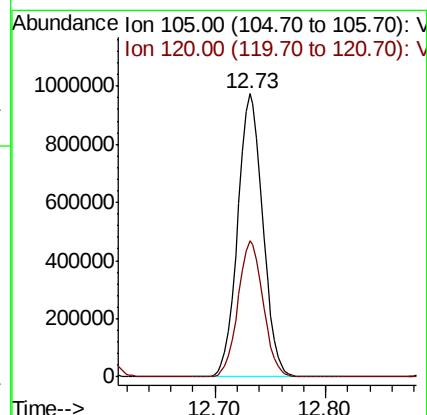
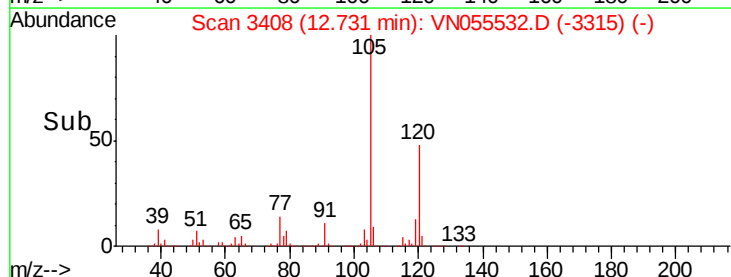
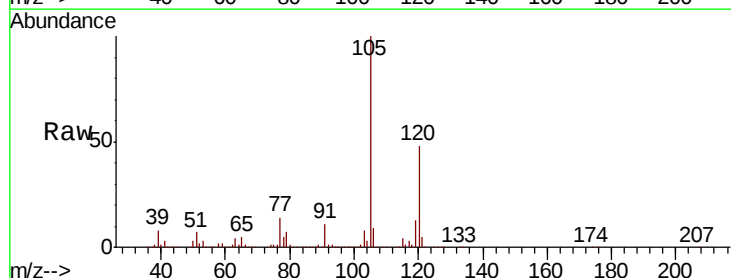
Acq: 10 May 2019 6:39

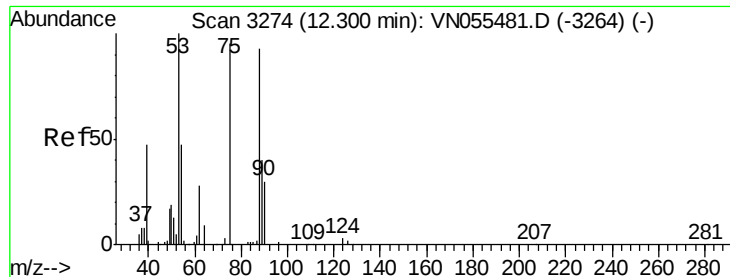
Tgt Ion:105 Resp: 1535597

Ion Ratio Lower Upper

105 100

120 48.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 39.656 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampled :

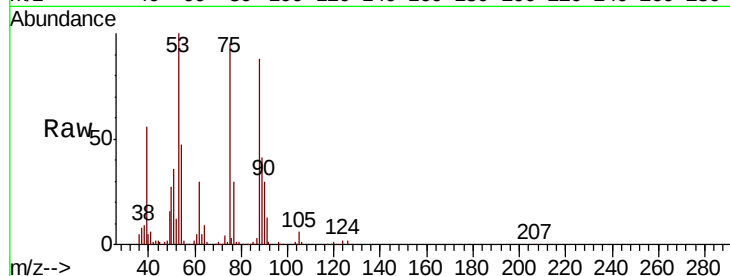
Tot Ion: 75 Resp: 124871

Ion Ratio Lower Upper

75 100

53 107.4 86.5 129.7

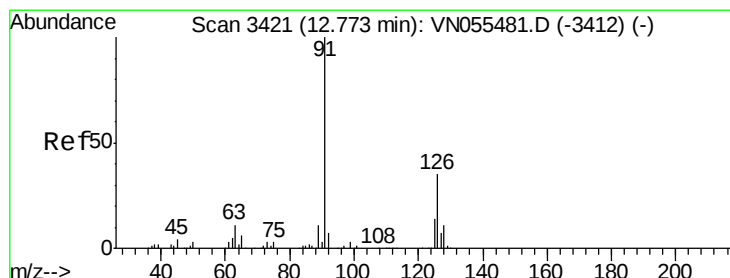
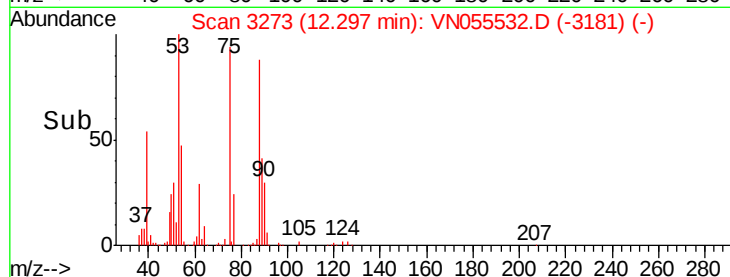
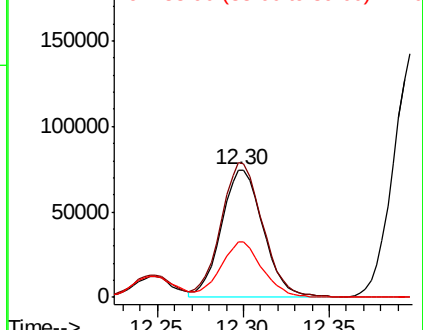
89 43.9 35.7 53.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 45.564 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055532.D

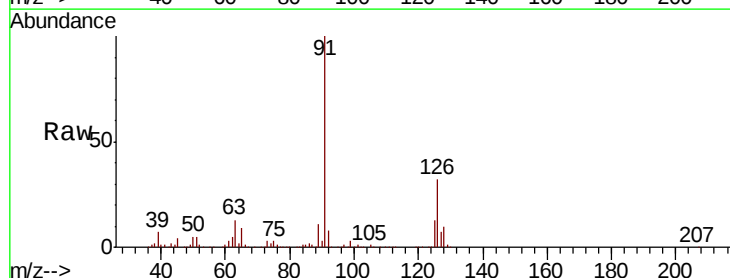
Acq: 10 May 2019 6:39

Tgt Ion: 91 Resp: 1228253

Ion Ratio Lower Upper

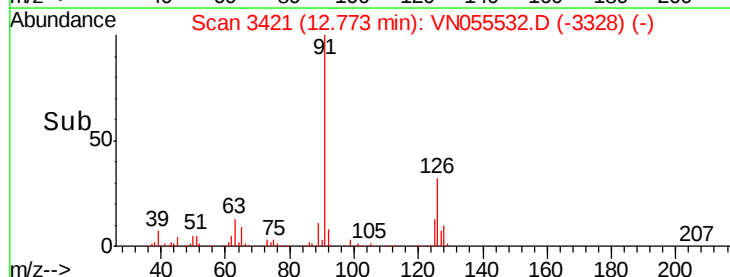
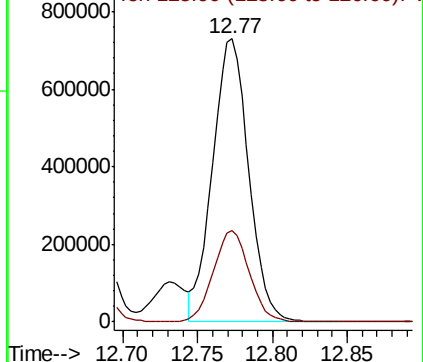
91 100

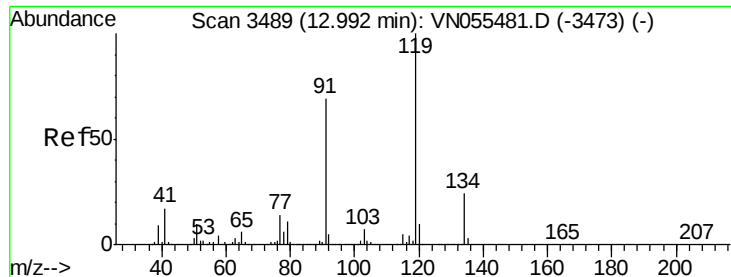
126 32.2 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

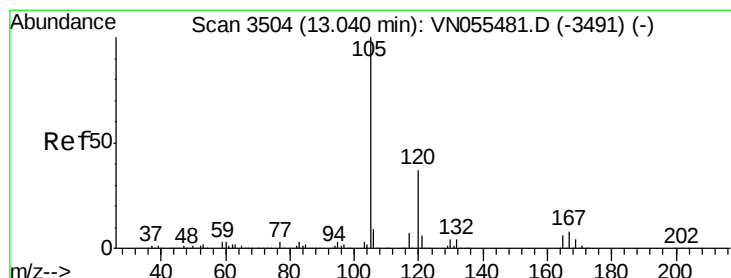
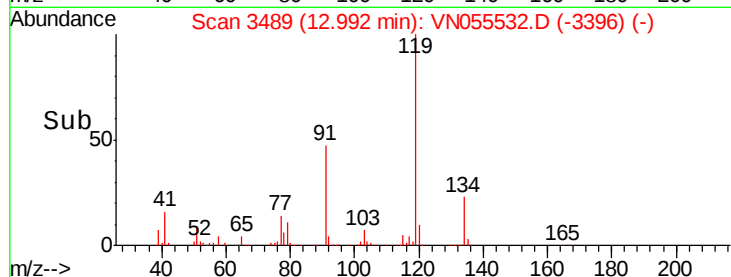
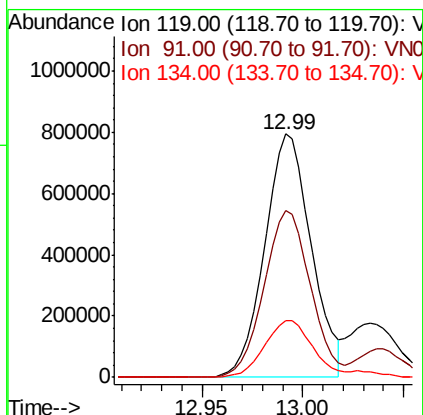
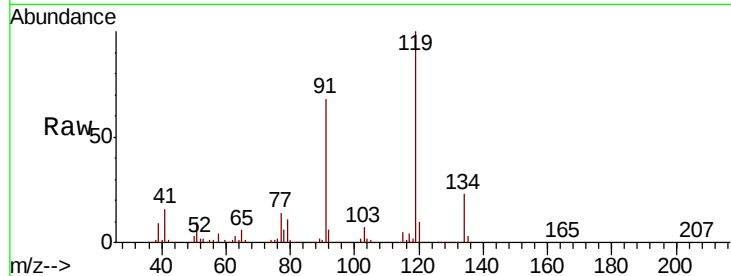




#83
tert-Butylbenzene
Concen: 43.527 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

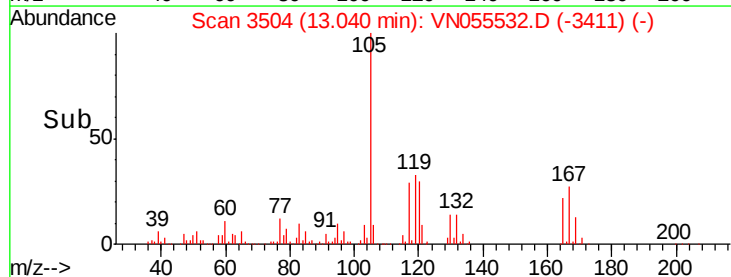
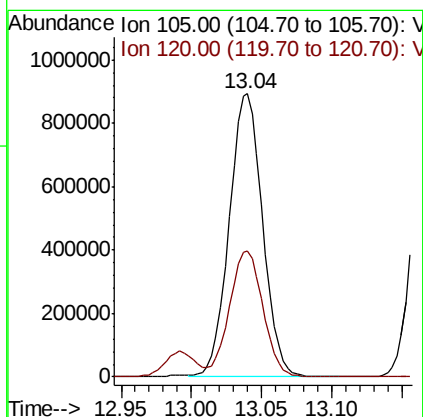
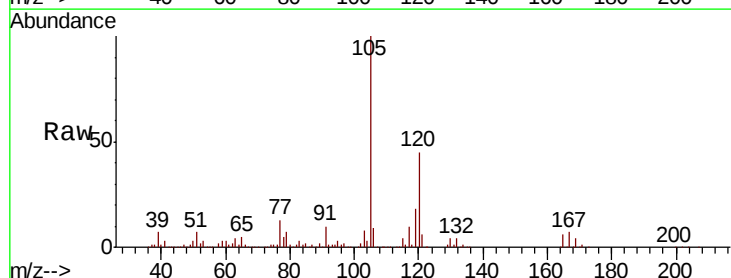
Instrument :
MSVOA_N
ClientSampled :

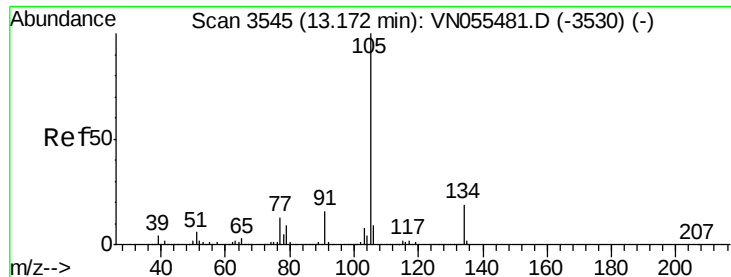
Tot Ion:119 Resp: 1273481
Ion Ratio Lower Upper
119 100
91 68.6 33.8 101.3
134 24.2 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 47.102 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055532.D
Acq: 10 May 2019 6:39

Tgt Ion:105 Resp: 1474495
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.5





#85

sec-Butylbenzene

Concen: 43.643 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

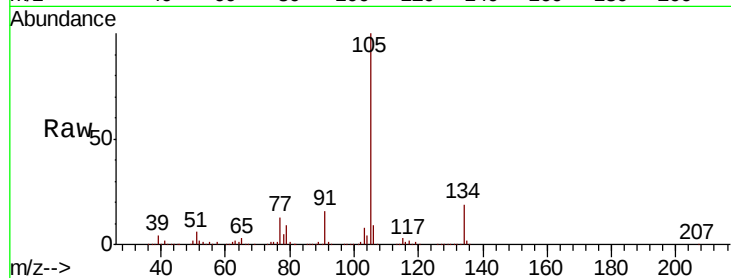
ClientSampleId :

Tot Ion:105 Resp: 1696977

Ion Ratio Lower Upper

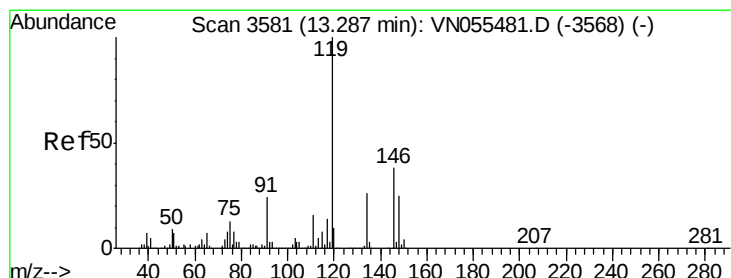
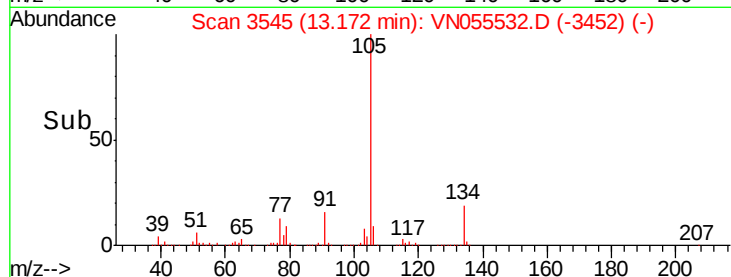
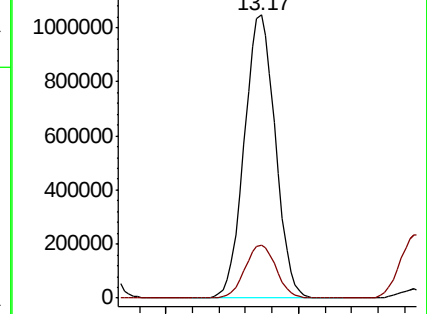
105 100

134 18.9 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.526 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

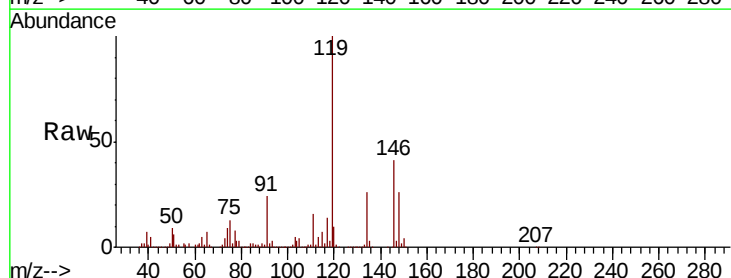
Tgt Ion:119 Resp: 1440669

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

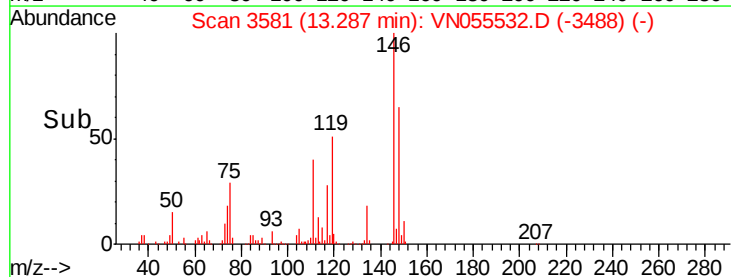
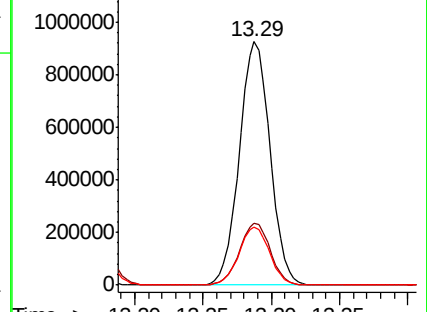
91 23.9 12.0 36.0

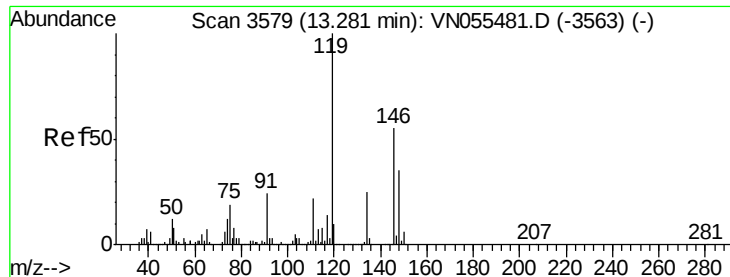


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.316 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampleId :

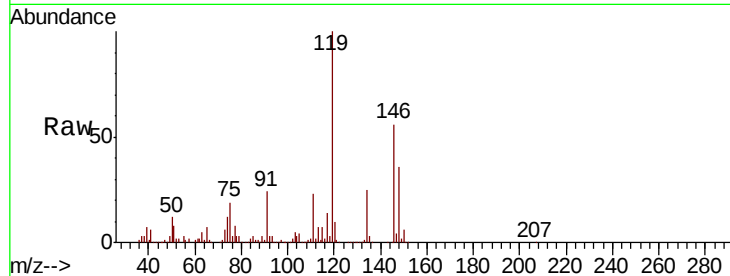
Tot Ion:146 Resp: 702222

Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

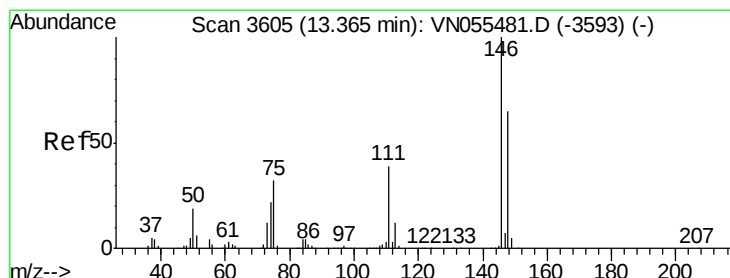
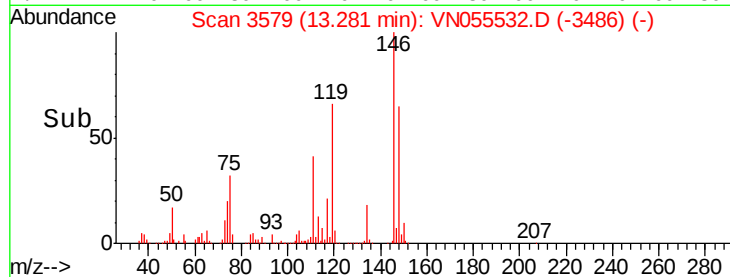
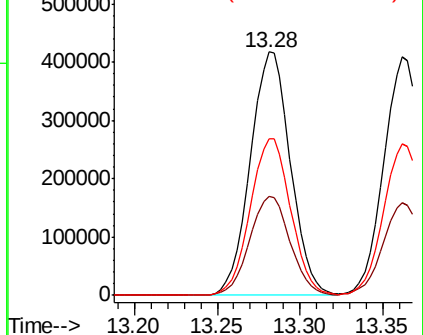
148 64.7 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.383 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

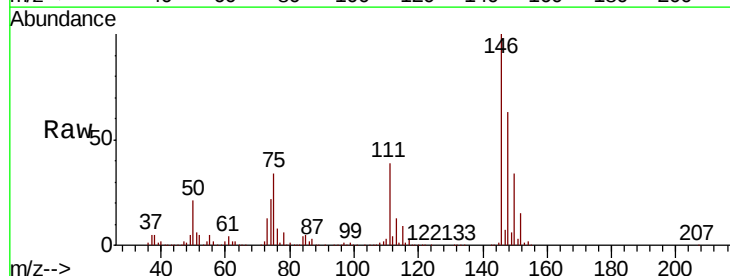
Tgt Ion:146 Resp: 679630

Ion Ratio Lower Upper

146 100

111 39.3 19.6 58.8

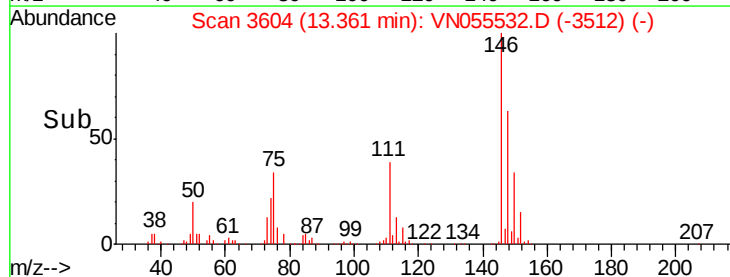
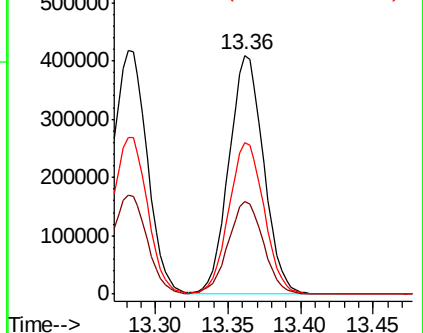
148 64.6 32.5 97.4

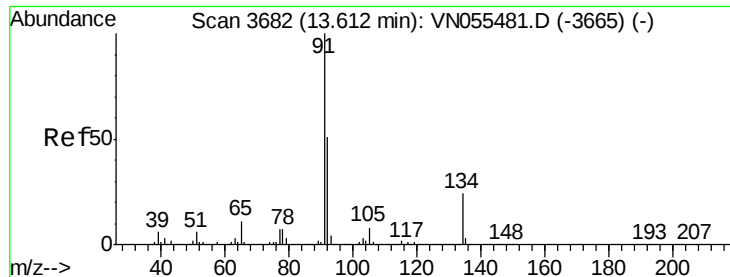


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 45.000 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampled :

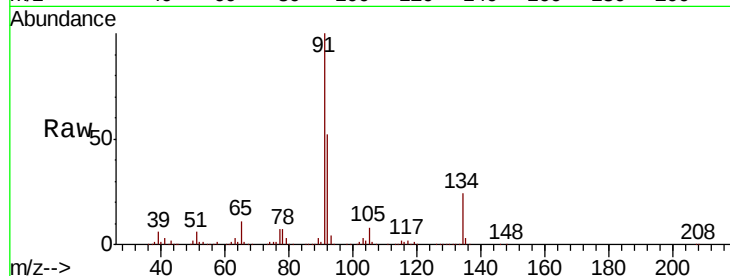
Tot Ion: 91 Resp: 1103790

Ion Ratio Lower Upper

91 100

92 51.8 25.9 77.7

134 24.1 11.8 35.4



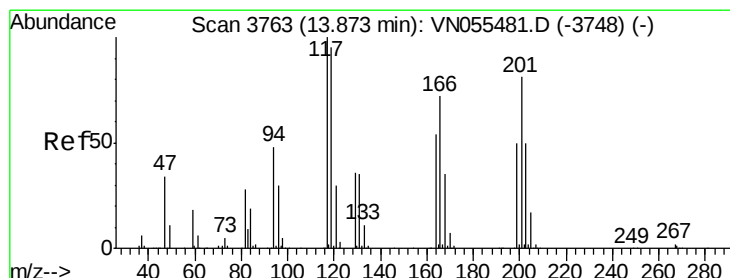
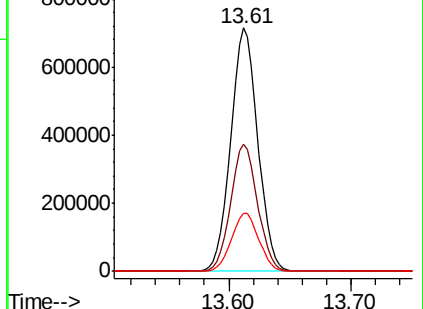
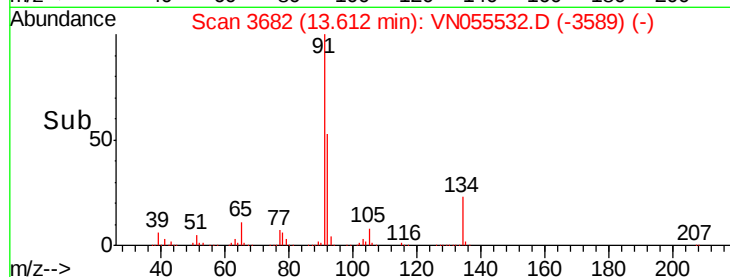
Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)

13.61

Time-->



#90

Hexachloroethane

Concen: 44.554 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055532.D

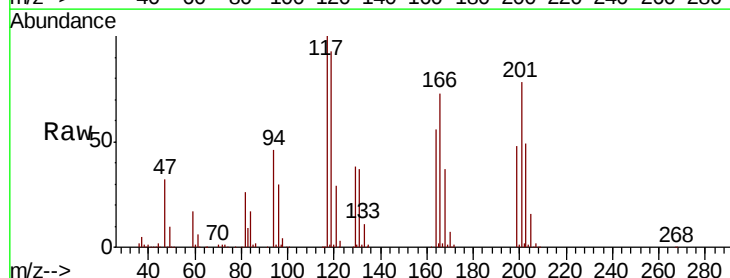
Acq: 10 May 2019 6:39

Tgt Ion: 117 Resp: 229989

Ion Ratio Lower Upper

117 100

201 80.1 40.1 120.2

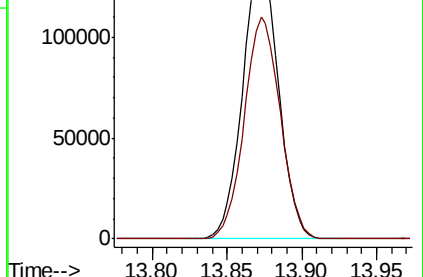
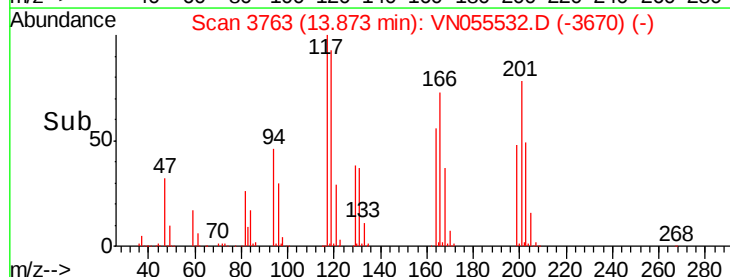


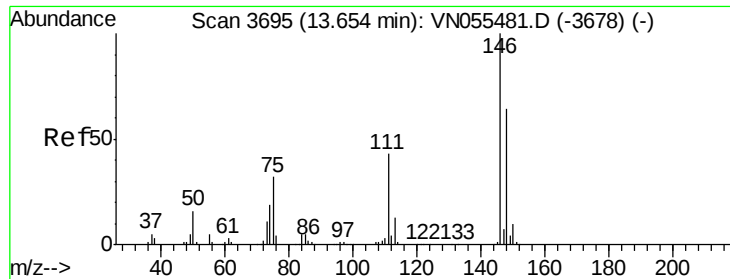
Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055481.D (-3748) (-)

13.87

Time-->

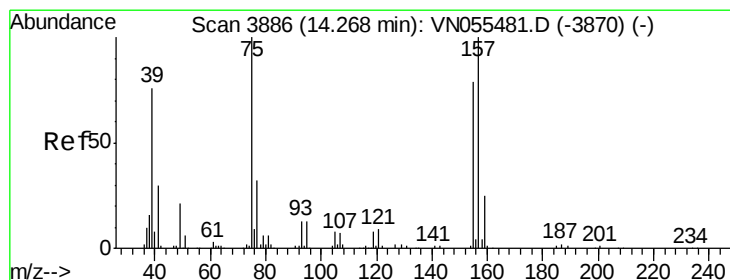
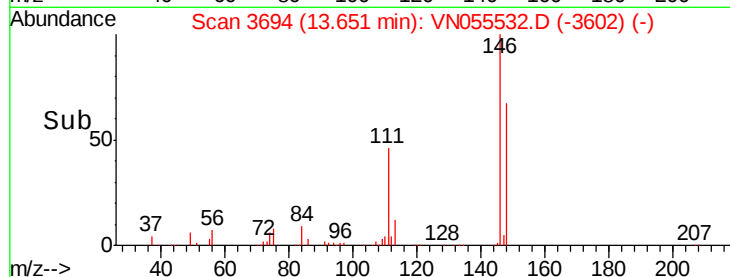
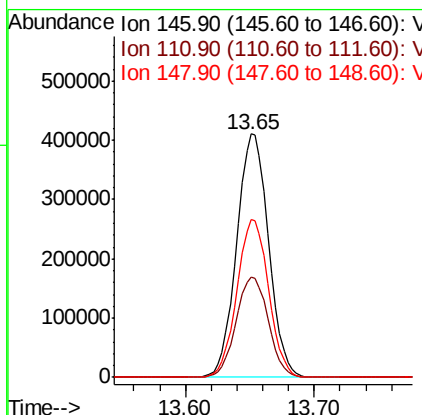
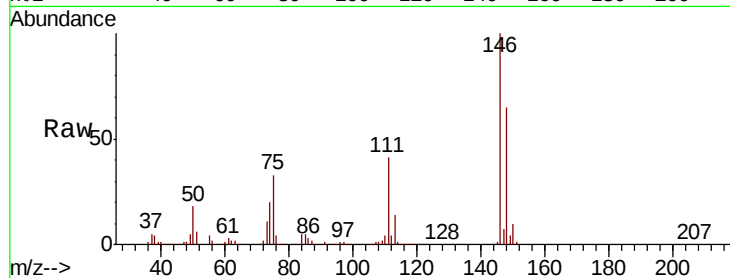




#91
 1,2-Dichlorobenzene
 Concen: 48.602 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

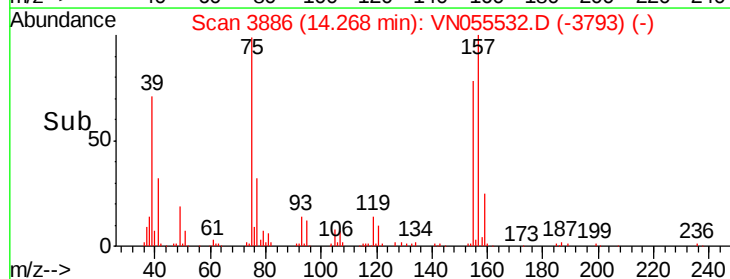
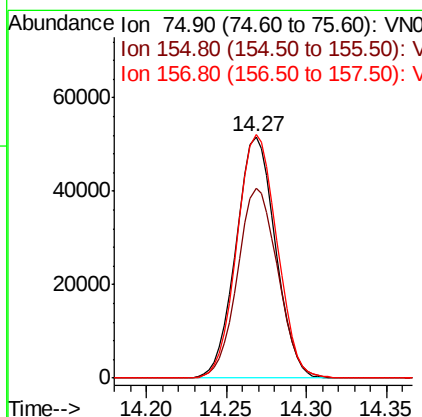
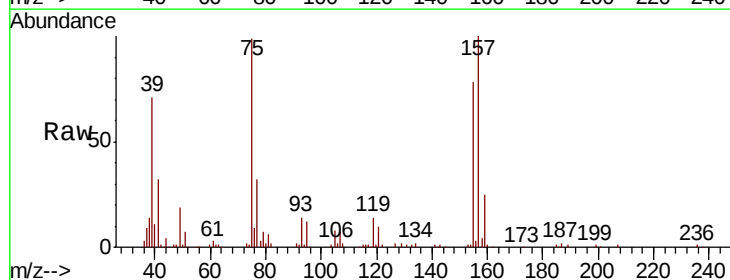
Instrument :
 MSVOA_N
 ClientSampled :

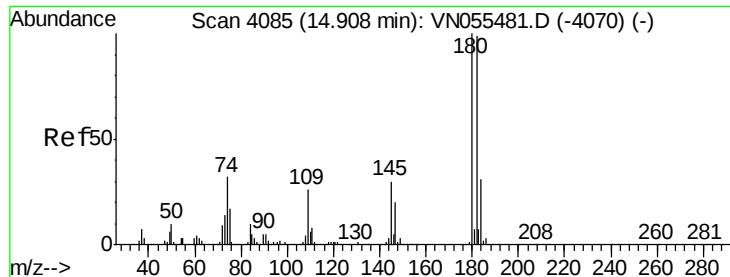
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.7
148	64.4	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.182 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.3	117.8
157	102.3	50.6	151.8

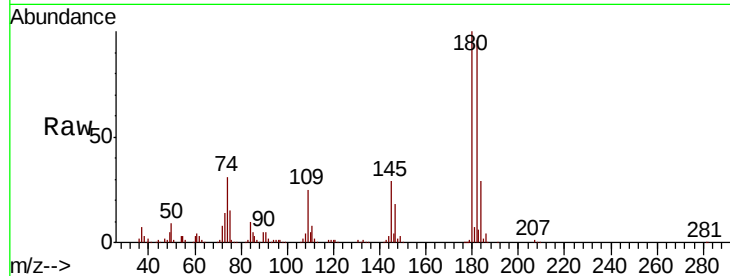




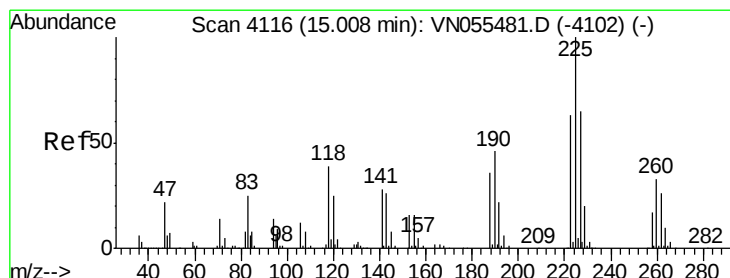
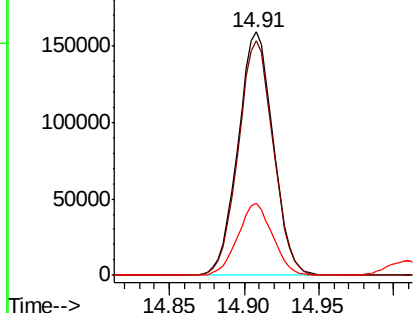
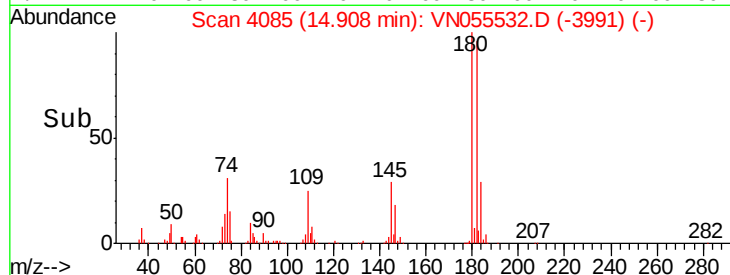
#93
 1,2,4-Trichlorobenzene
 Concen: 41.716 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.7	146.1
145	29.1	15.3	45.9

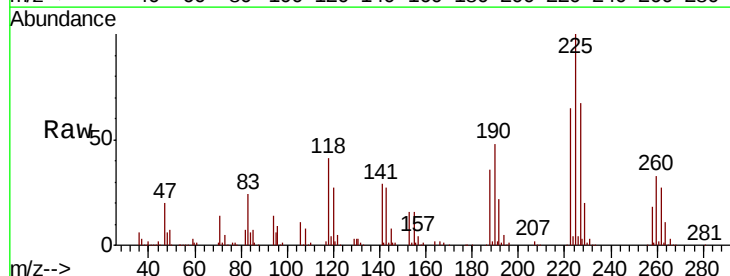


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

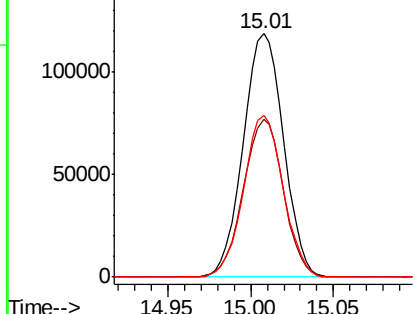
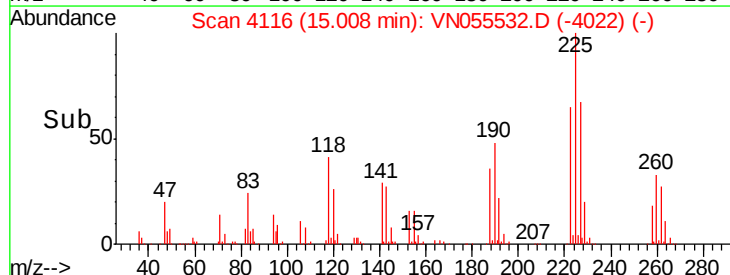


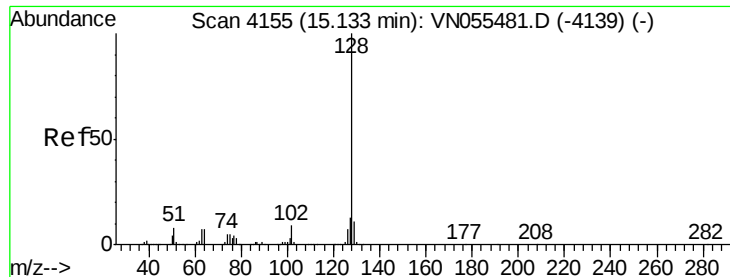
#94
 Hexachlorobutadiene
 Concen: 46.535 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055532.D
 Acq: 10 May 2019 6:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.4	94.3
227	65.1	32.0	96.0



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: 39.484 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

Instrument :

MSVOA_N

ClientSampled :

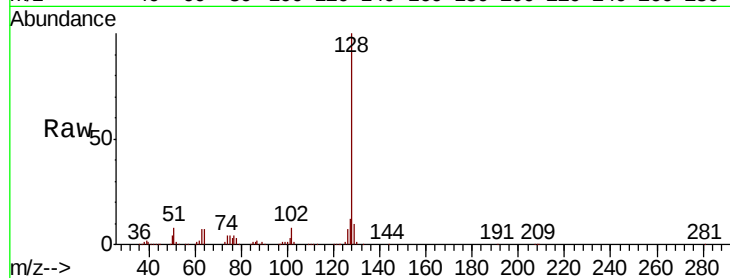
Tot Ion:128 Resp: 690942

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

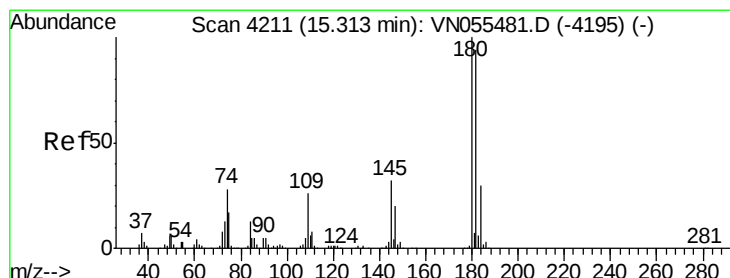
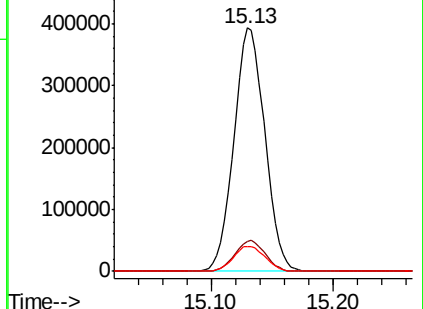
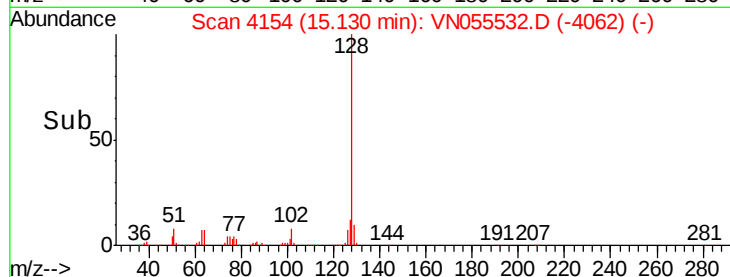
129 10.7 8.8 13.2



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: 42.417 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055532.D

Acq: 10 May 2019 6:39

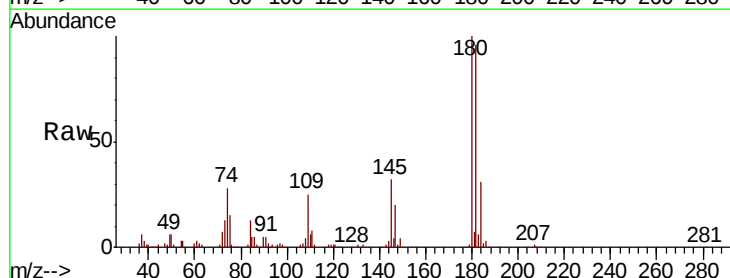
Tgt Ion:180 Resp: 287860

Ion Ratio Lower Upper

180 100

182 95.4 47.1 141.3

145 31.6 15.8 47.4



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

