

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053481.D
 Acq On : 18 Jan 2019 19:17
 Operator : JC/SP
 Sample : K1199-10MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MS

Quant Time: Jan 19 00:24:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	711933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1091322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	998360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	507686	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	374763	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.59	113	327819	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	10.09	98	1329968	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	471124	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	279502	48.830	ug/l	100
3) Chloromethane	2.06	50	395898	48.376	ug/l	98
4) Vinyl Chloride	2.19	62	383673	48.635	ug/l	100
5) Bromomethane	2.57	94	264963	48.951	ug/l	98
6) Chloroethane	2.71	64	232655	48.779	ug/l	97
7) Trichlorofluoromethane	3.02	101	521581	50.547	ug/l	99
8) Diethyl Ether	3.41	74	209974	54.180	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	329135	50.366	ug/l	98
10) Methyl Iodide	3.96	142	506223	50.691	ug/l	100
11) Tert butyl alcohol	4.78	59	131389	381.587	ug/l	100
12) 1,1-Dichloroethene	3.74	96	322434	50.869	ug/l	99
13) Acrolein	3.61	56	151240	227.363	ug/l	97
14) Allyl chloride	4.33	41	495509	48.128	ug/l	95
15) Acrylonitrile	4.99	53	684390	302.022	ug/l	100
16) Acetone	3.82	43	450131	272.649	ug/l	98
17) Carbon Disulfide	4.06	76	918535	47.921	ug/l	100
18) Methyl Acetate	4.33	43	319370	57.417	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	945560	56.145	ug/l	100
20) Methylene Chloride	4.55	84	377983	50.147	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	350609	51.739	ug/l	99
22) Diisopropyl ether	5.95	45	1137568	52.927	ug/l	99
23) Vinyl Acetate	5.90	43	3621489	274.103	ug/l	99
24) 1,1-Dichloroethane	5.86	63	656068	51.635	ug/l	100
25) 2-Butanone	6.83	43	765431	300.861	ug/l	99
26) 2,2-Dichloropropane	6.83	77	447482	46.645	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	407852	52.633	ug/l	99
28) Bromochloromethane	7.20	49	297686	53.182	ug/l	99
29) Tetrahydrofuran	7.21	42	520770	314.429	ug/l	99
30) Chloroform	7.37	83	653091	52.756	ug/l	99
31) Cyclohexane	7.66	56	593696	48.005	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	545228	51.919	ug/l	100
36) 1,1-Dichloropropene	7.80	75	493492	49.653	ug/l	99
37) Ethyl Acetate	6.93	43	326909	57.171	ug/l	99
38) Carbon Tetrachloride	7.78	117	473330	50.304	ug/l	100

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 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	595796	48.501	ug/l	100
40) Benzene	8.04	78	1533762	50.783	ug/l	99
41) Methacrylonitrile	7.18	41	193091	56.738	ug/l	98
42) 1,2-Dichloroethane	8.12	62	467115	53.089	ug/l	100
43) Isopropyl Acetate	8.17	43	585249	56.921	ug/l	100
44) Trichloroethene	8.84	130	420047	50.152	ug/l	99
45) 1,2-Dichloropropane	9.12	63	401541	50.195	ug/l	100
46) Dibromomethane	9.21	93	244557	53.210	ug/l	99
47) Bromodichloromethane	9.40	83	504972	52.245	ug/l	99
48) Methyl methacrylate	9.20	41	299707	56.455	ug/l	98
49) 1,4-Dioxane	9.20	88	77716	1498.967	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1726407	307.586	ug/l	100
52) Toluene	10.16	92	954064	50.883	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	517637	52.836	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	581547	50.637	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	351354	54.352	ug/l	100
56) Ethyl methacrylate	10.43	69	478033	52.020	ug/l	100
57) 1,3-Dichloropropane	10.71	76	603441	53.962	ug/l	99
59) 2-Hexanone	10.75	43	1187538	301.398	ug/l	100
60) Dibromochloromethane	10.90	129	396268	54.046	ug/l	99
61) 1,2-Dibromoethane	11.01	107	356074	54.464	ug/l	100
64) Tetrachloroethene	10.63	164	445497	47.351	ug/l	99
65) Chlorobenzene	11.44	112	1059742	50.149	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	378890	51.539	ug/l	99
67) Ethyl Benzene	11.51	91	1837807	51.030	ug/l	99
68) m/p-Xylenes	11.62	106	1405005	103.330	ug/l	99
69) o-Xylene	11.95	106	689357	52.175	ug/l	98
70) Stvrene	11.96	104	1144061	53.353	ug/l	100
71) Bromoform	12.13	173	289340	57.170	ug/l	98
73) Isopropylbenzene	12.25	105	1816056	48.847	ug/l	100
74) N-amyl acetate	12.07	43	539168	54.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	427832	54.869	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	571320	85.395	ug/l #	100
77) Bromobenzene	12.53	156	488727	49.888	ug/l	100
78) n-propylbenzene	12.59	91	2099616	49.199	ug/l	99
79) 2-Chlorotoluene	12.68	91	1234806	48.814	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1520230	50.257	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	130047	49.234	ug/l	99
82) 4-Chlorotoluene	12.77	91	1271557	49.292	ug/l	100
83) tert-Butylbenzene	12.99	119	1331261	49.829	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1551804	50.878	ug/l	100
85) sec-Butylbenzene	13.17	105	1811296	49.434	ug/l	100
86) p-Isopropyltoluene	13.29	119	1585050	49.822	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	867136	50.320	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	858910	49.689	ug/l	99
89) n-Butylbenzene	13.62	91	1326970	48.932	ug/l	100
90) Hexachloroethane	13.88	117	257903	51.688	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	845891	53.355	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67181	67.951	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	395649	56.198	ug/l	99

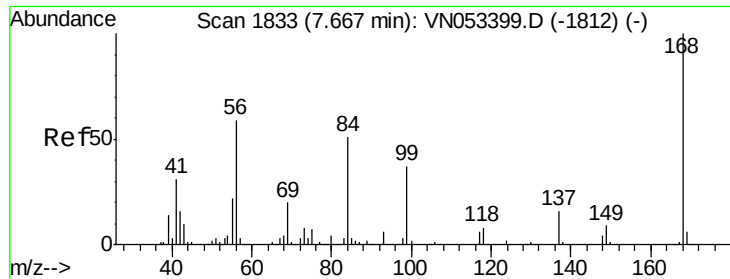
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	256541	51.873	ug/l	100
95) Naphthalene	15.13	128	748686	60.136	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	305991	59.018	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

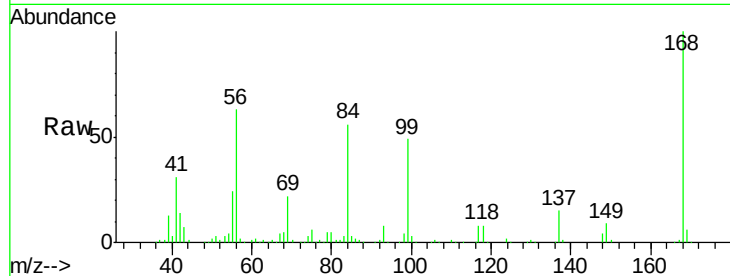
SA-TW521-2327MS

Tot Ion:168 Resp: 711933

Ion Ratio Lower Upper

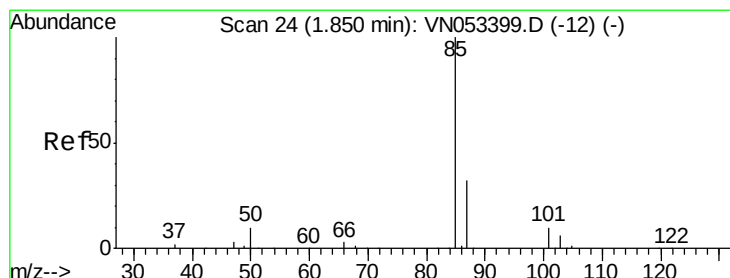
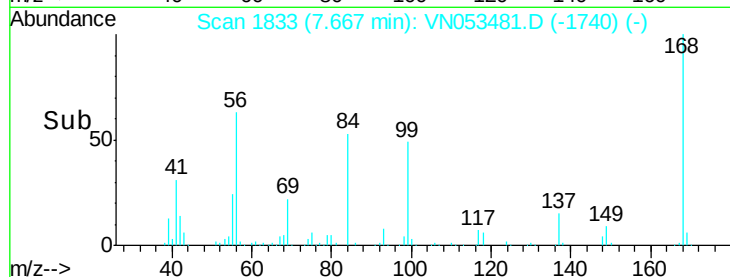
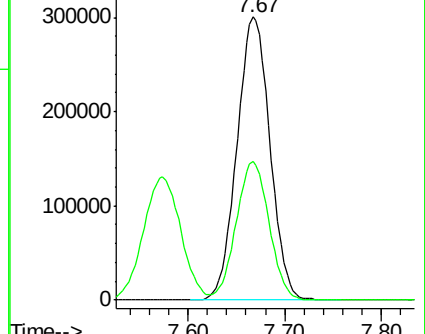
168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.830 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053481.D

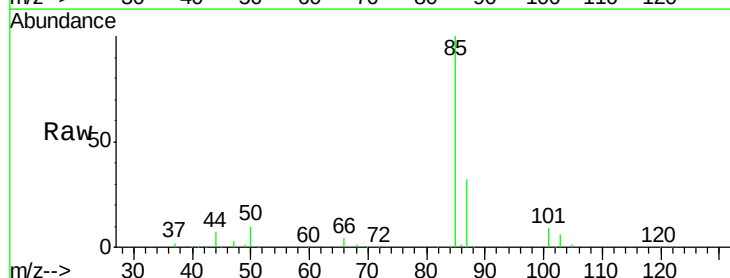
Acq: 18 Jan 2019 19:17

Tgt Ion: 85 Resp: 279502

Ion Ratio Lower Upper

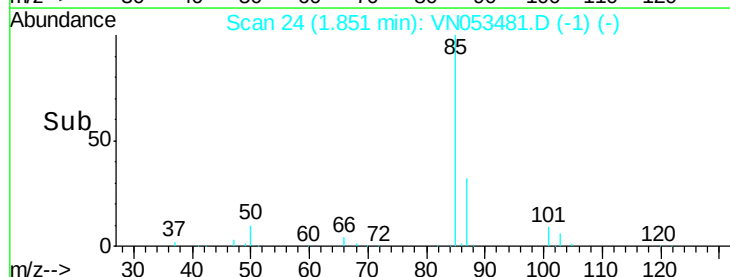
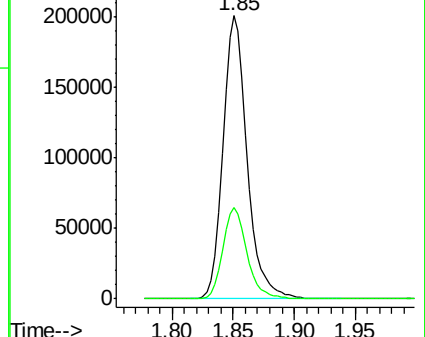
85 100

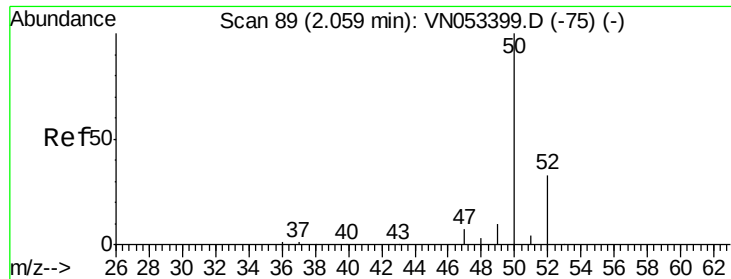
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

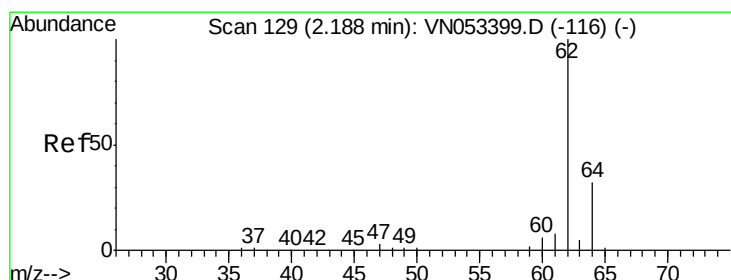
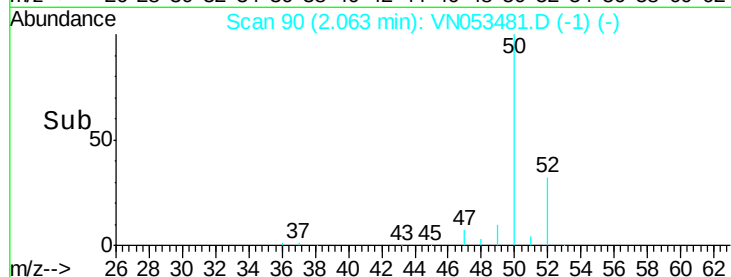
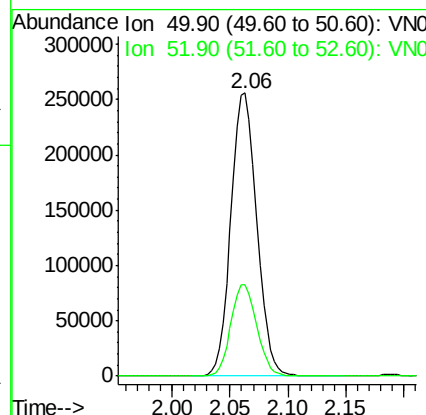
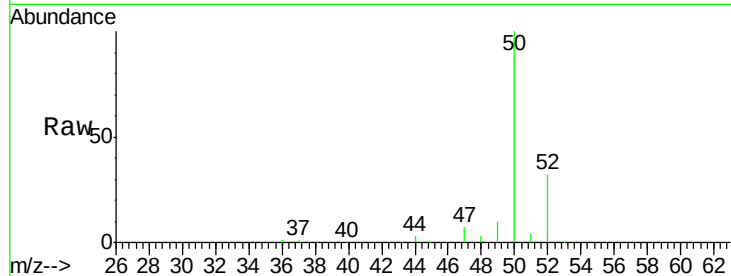




#3
Chloromethane
Concen: 48.376 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

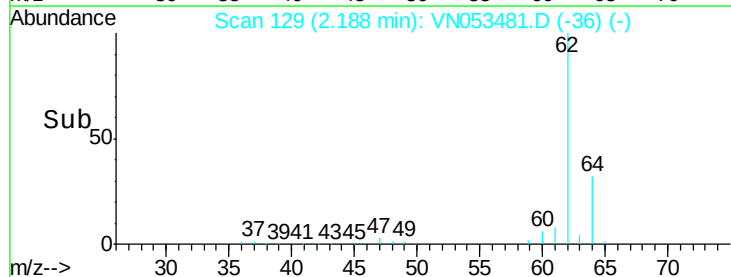
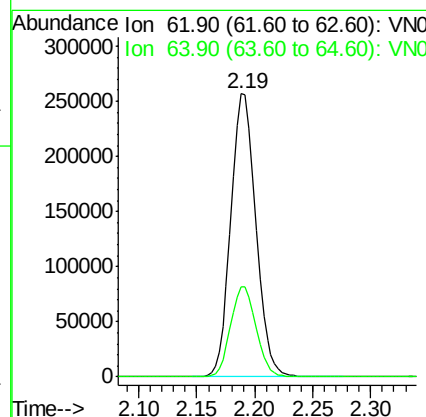
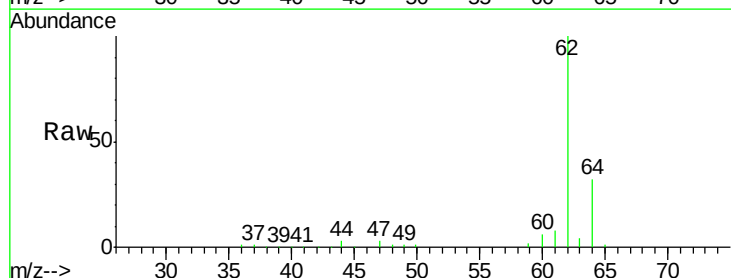
Instrument :
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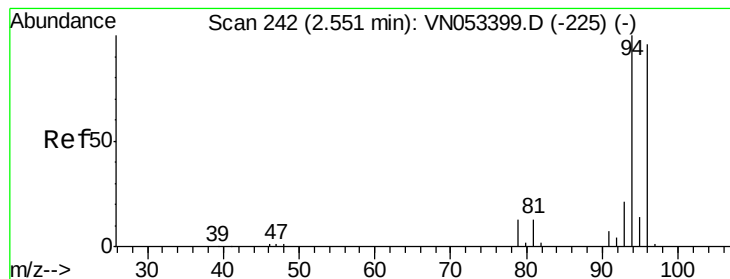
Tot Ion: 50 Resp: 395898
Ion Ratio Lower Upper
50 100
52 32.3 26.6 40.0



#4
Vinyl Chloride
Concen: 48.635 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion: 62 Resp: 383673
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.2





#5

Bromomethane

Concen: 48.951 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

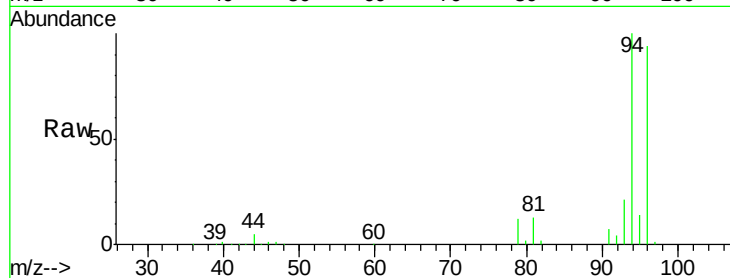
SA-TW521-2327MS

Tot Ion: 94 Resp: 264963

Ion Ratio Lower Upper

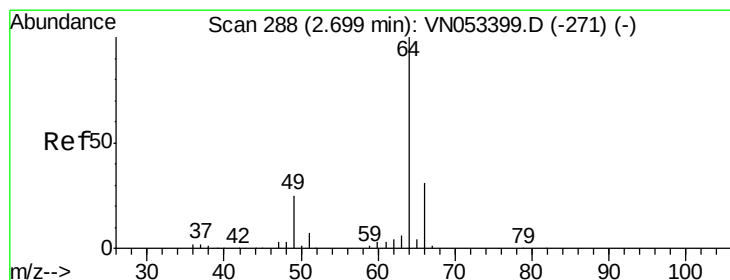
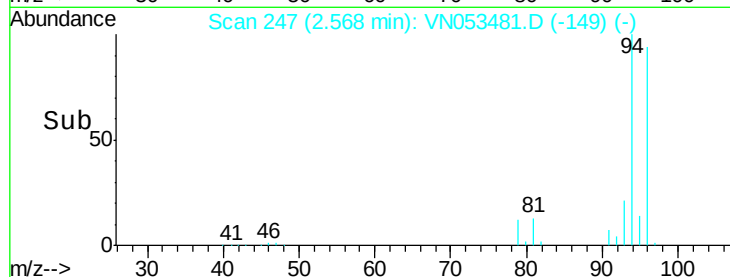
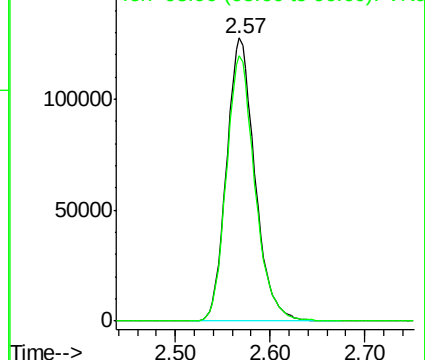
94 100

96 94.0 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.779 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053481.D

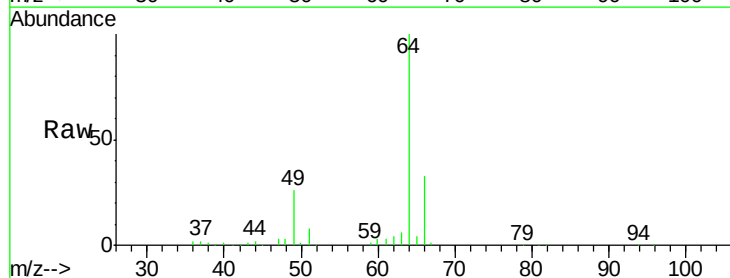
Acq: 18 Jan 2019 19:17

Tgt Ion: 64 Resp: 232655

Ion Ratio Lower Upper

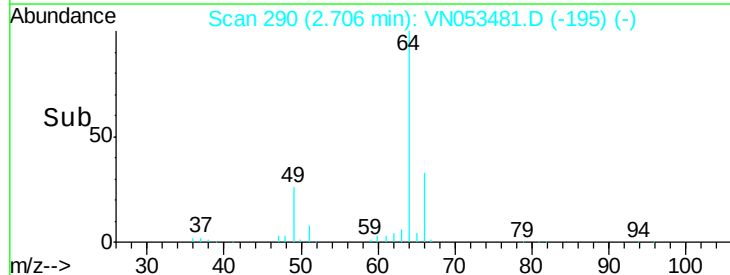
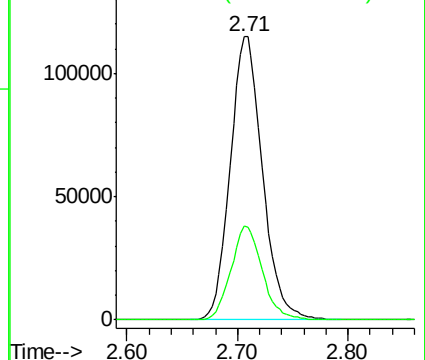
64 100

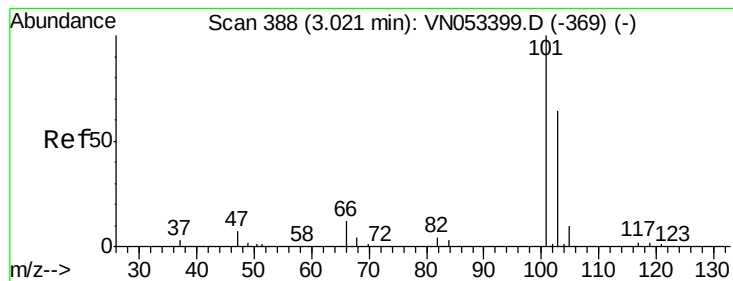
66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



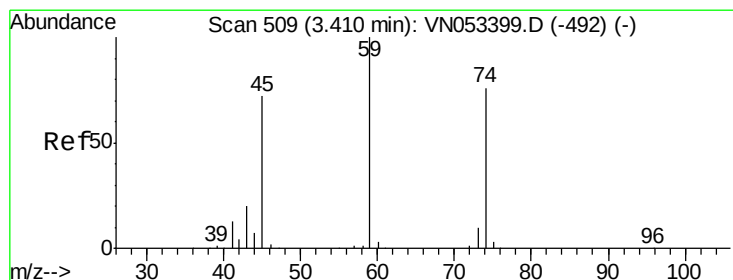
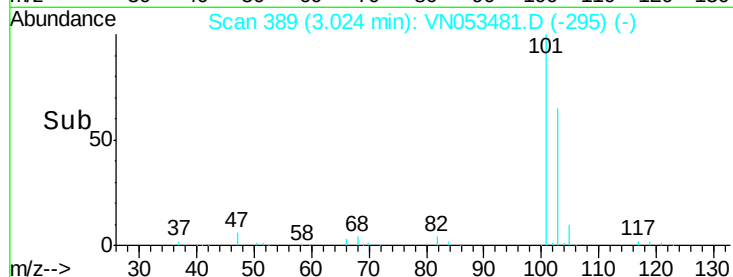
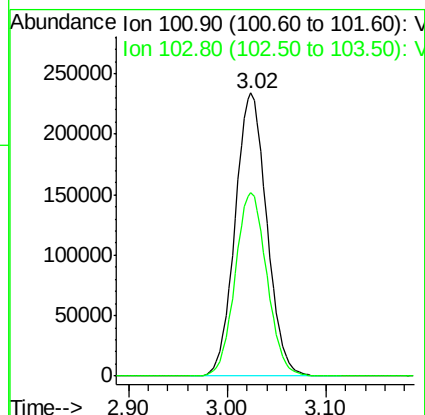
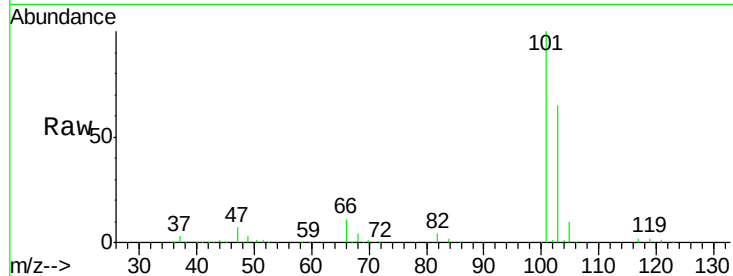


#7

Trichlorofluoromethane
Concen: 50.547 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Instrument :
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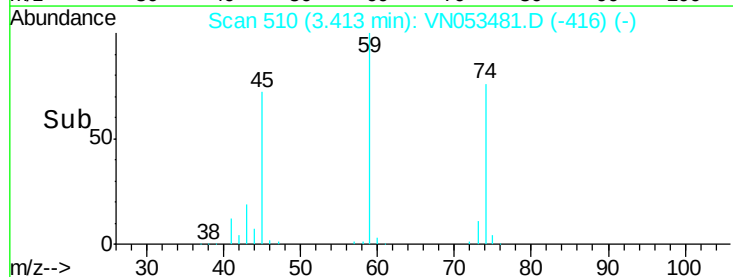
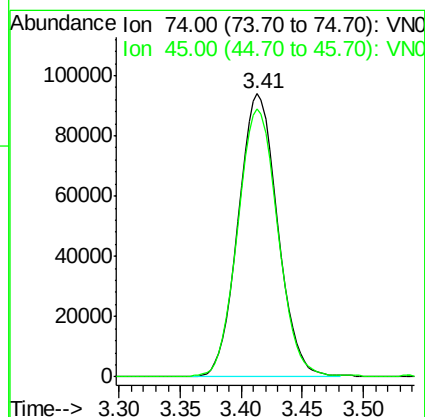
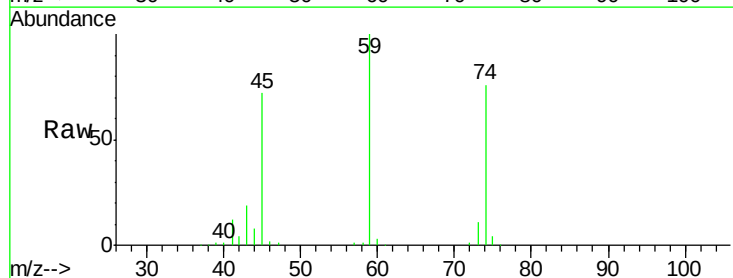
Tot Ion:101 Resp: 521581
Ion Ratio Lower Upper
101 100
103 65.0 51.6 77.4

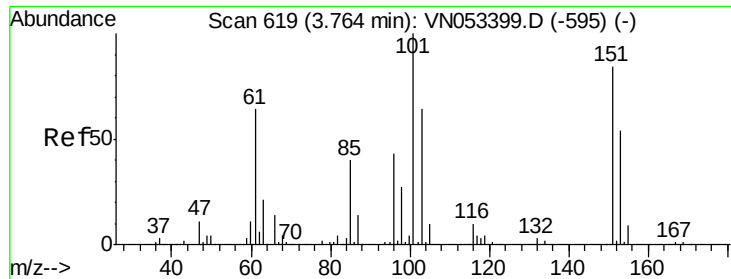


#8

Diethyl Ether
Concen: 54.180 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion: 74 Resp: 209974
Ion Ratio Lower Upper
74 100
45 97.0 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.366 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

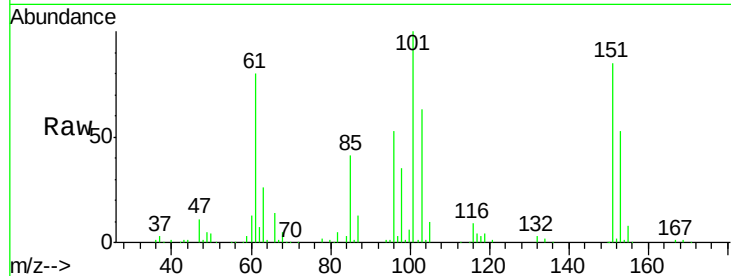
Tot Ion:101 Resp: 329135

Ion Ratio Lower Upper

101 100

85 41.6 32.8 49.2

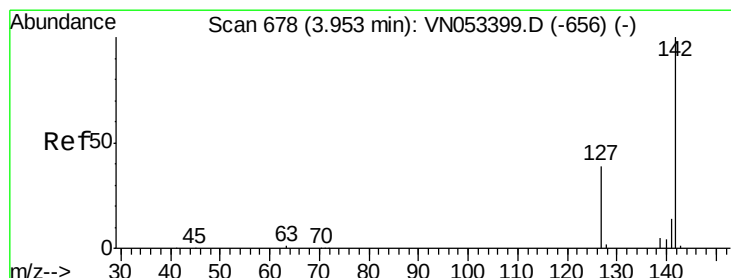
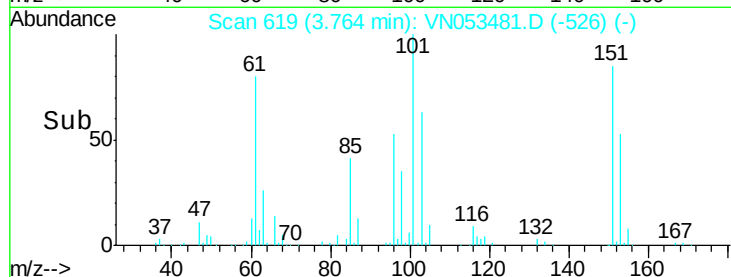
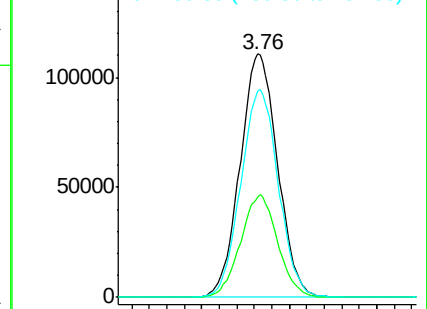
151 85.4 66.9 100.3



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: 50.691 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

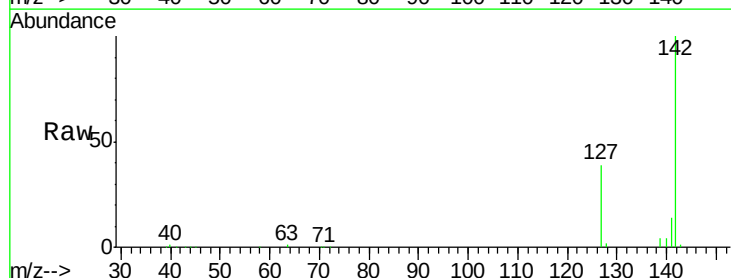
Tgt Ion:142 Resp: 506223

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.4

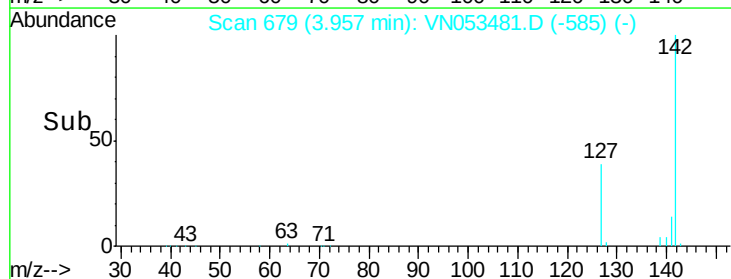
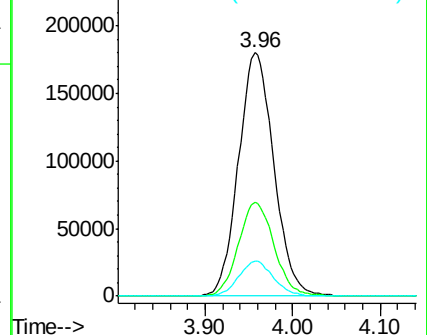
141 14.2 11.1 16.7

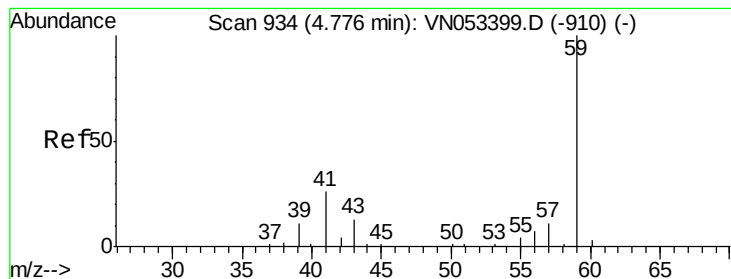


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 381.587 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

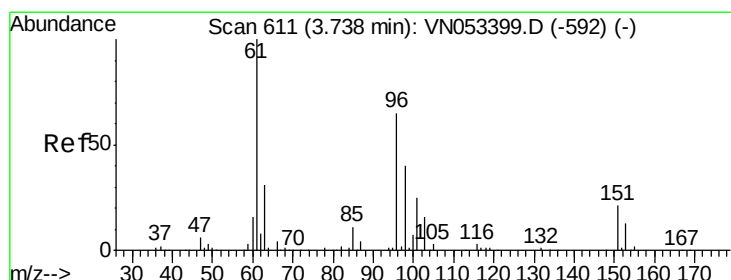
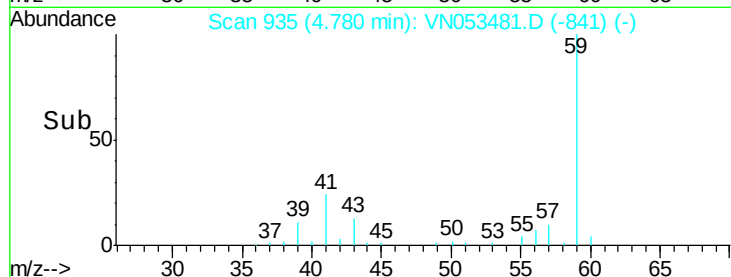
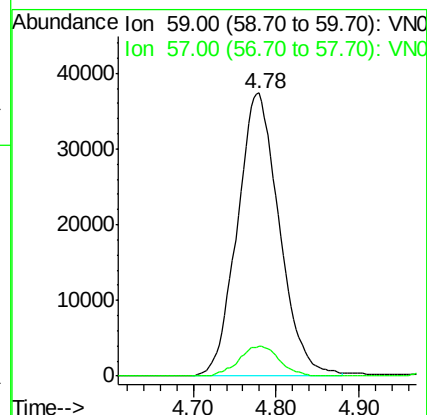
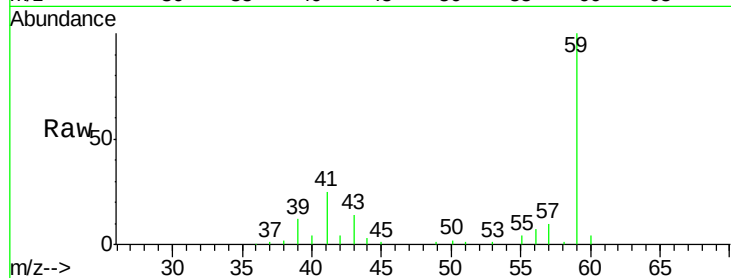
SA-TW521-2327MS

Tot Ion: 59 Resp: 131389

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.4



#12

1,1-Dichloroethene

Concen: 50.869 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

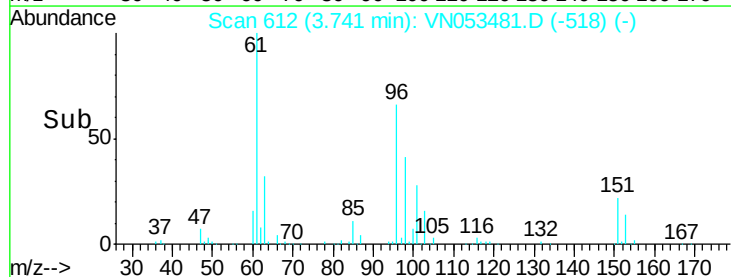
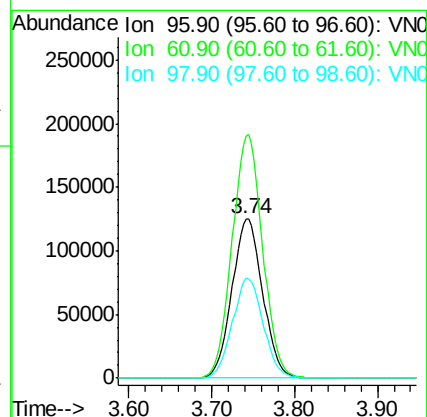
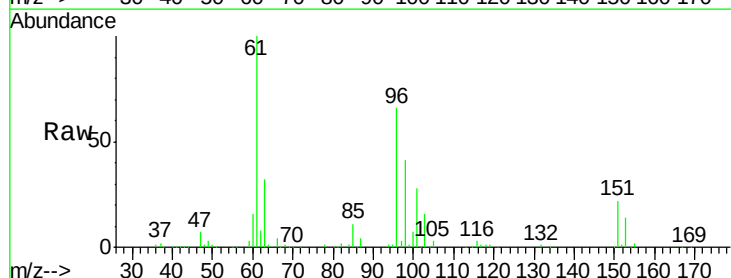
Tgt Ion: 96 Resp: 322434

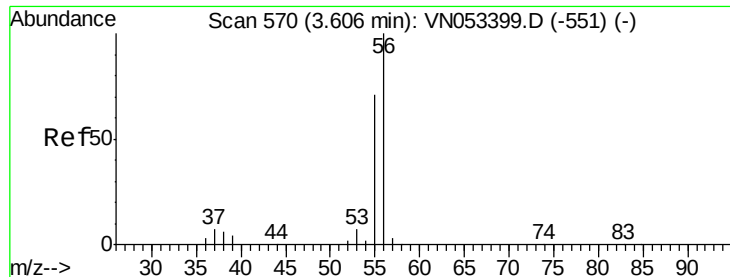
Ion Ratio Lower Upper

96 100

61 152.2 122.9 184.3

98 62.7 49.4 74.0

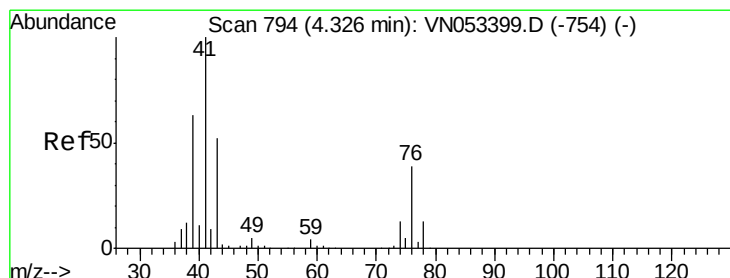
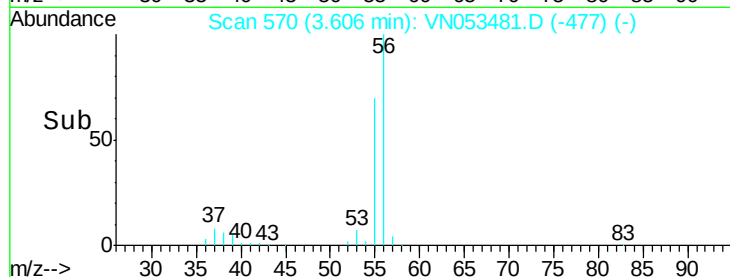
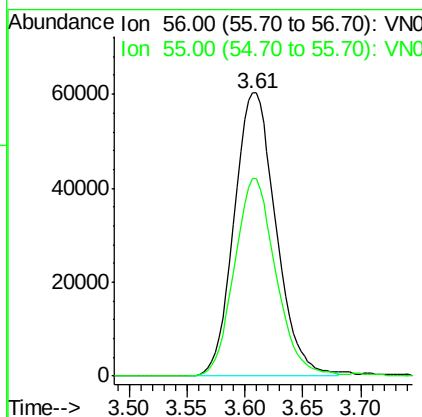
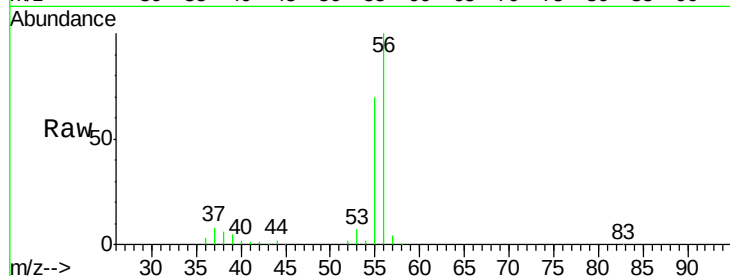




#13
 Acrolein
 Concen: 227.363 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

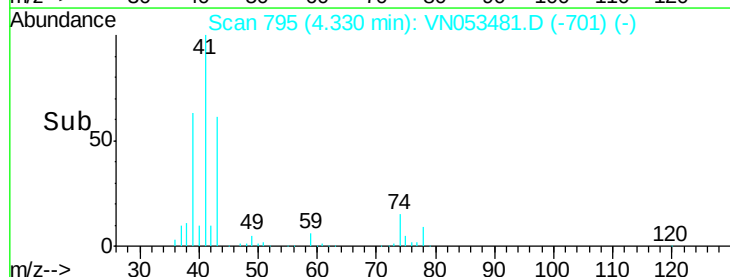
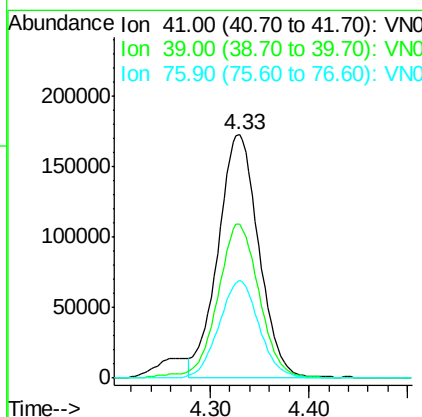
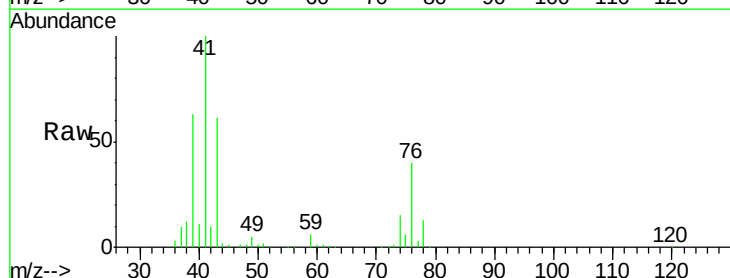
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MS

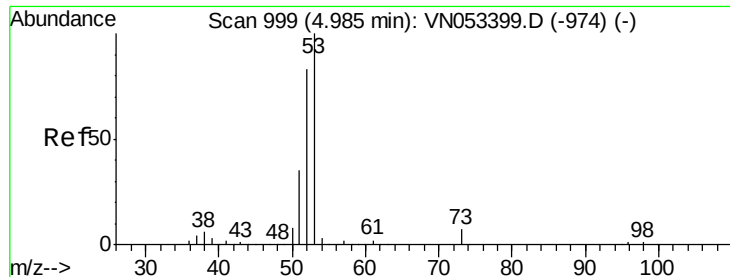
Tot Ion: 56 Resp: 151240
 Ion Ratio Lower Upper
 56 100
 55 69.1 57.4 86.0



#14
 Allyl chloride
 Concen: 48.128 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

Tgt Ion: 41 Resp: 495509
 Ion Ratio Lower Upper
 41 100
 39 65.4 48.9 73.3
 76 39.3 29.4 44.2





#15

Acrylonitrile

Concen: 302.022 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

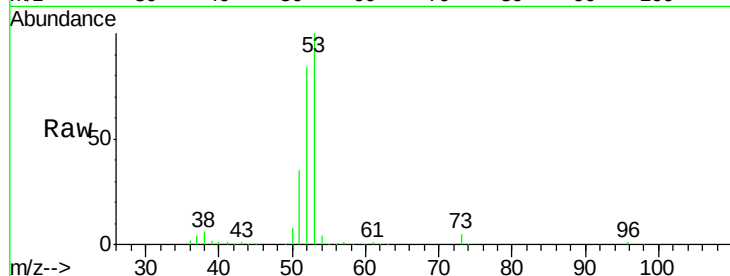
Tot Ion: 53 Resp: 684390

Ion Ratio Lower Upper

53 100

52 82.3 66.0 99.0

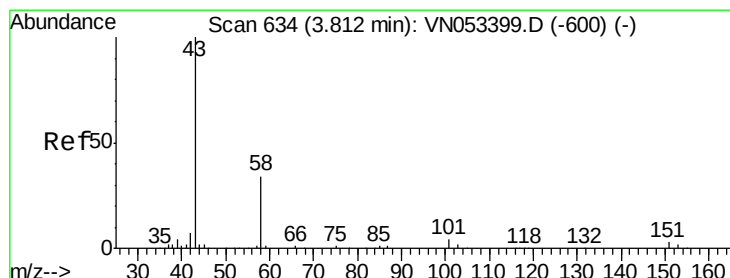
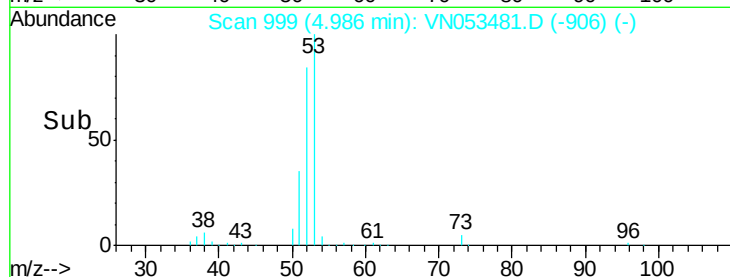
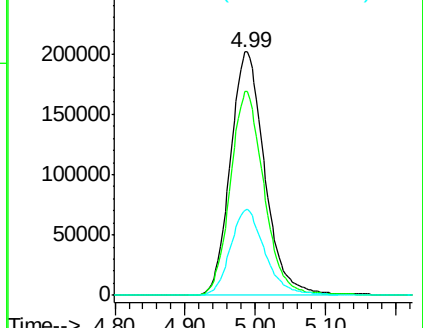
51 35.8 28.3 42.5



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: 272.649 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053481.D

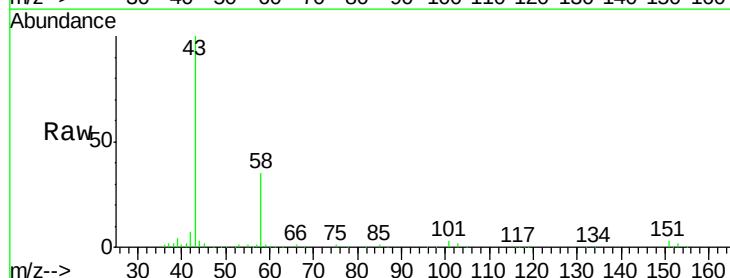
Acq: 18 Jan 2019 19:17

Tgt Ion: 43 Resp: 450131

Ion Ratio Lower Upper

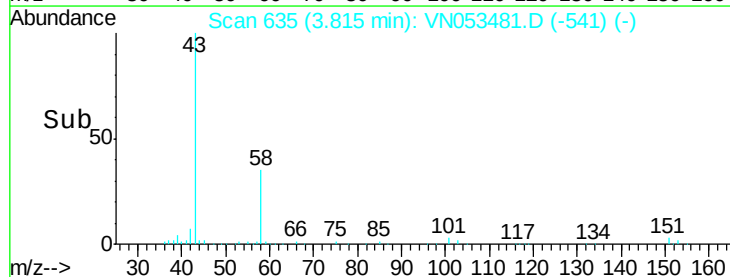
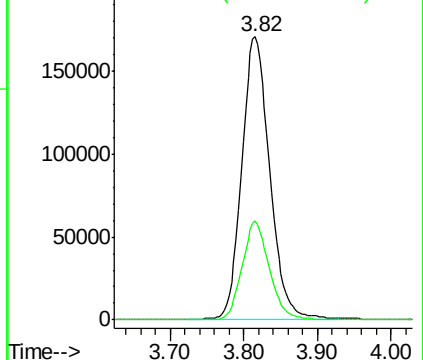
43 100

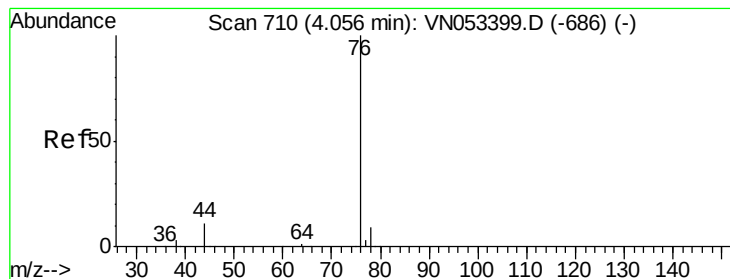
58 34.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 47.921 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

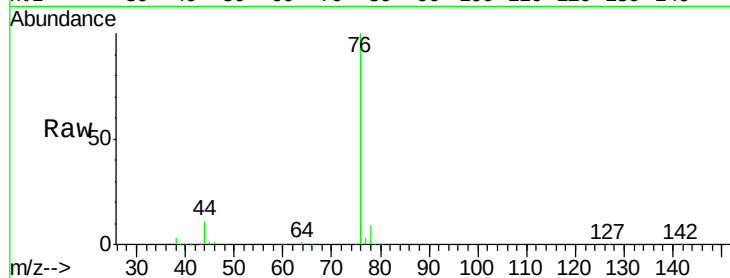
SA-TW521-2327MS

Tot Ion: 76 Resp: 918535

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN053399.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN053399.D (-686) (-)

4.06

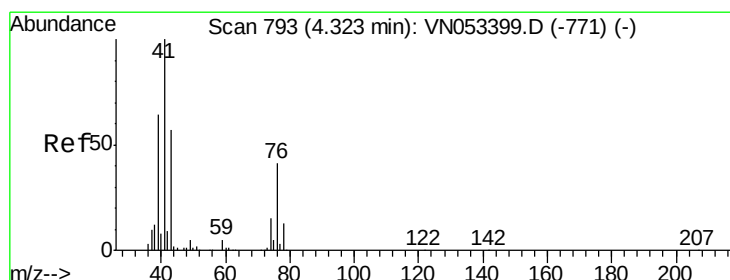
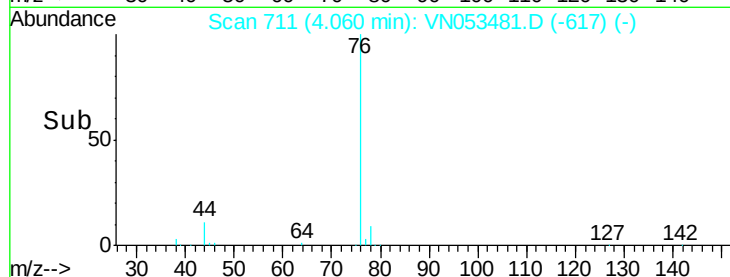
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 57.417 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053481.D

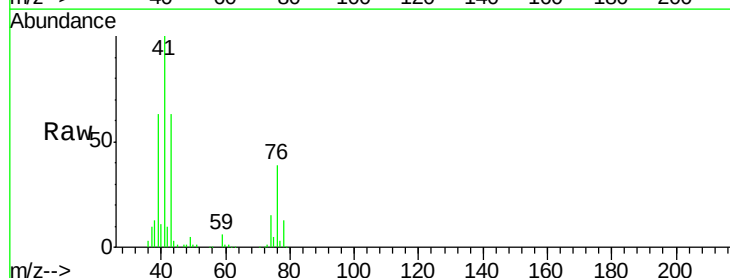
Acq: 18 Jan 2019 19:17

Tgt Ion: 43 Resp: 319370

Ion Ratio Lower Upper

43 100

74 24.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN053399.D (-771) (-)

4.33

120000

100000

80000

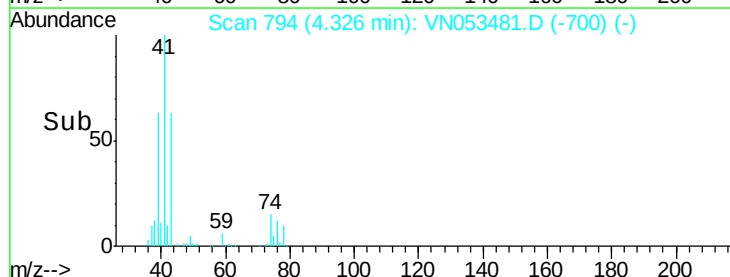
60000

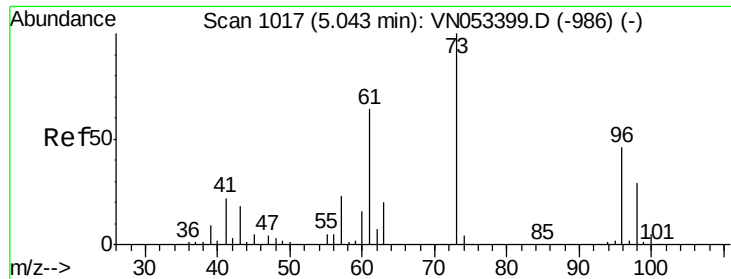
40000

20000

0

Time-->

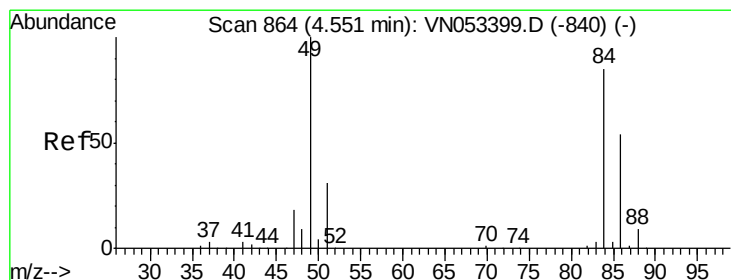
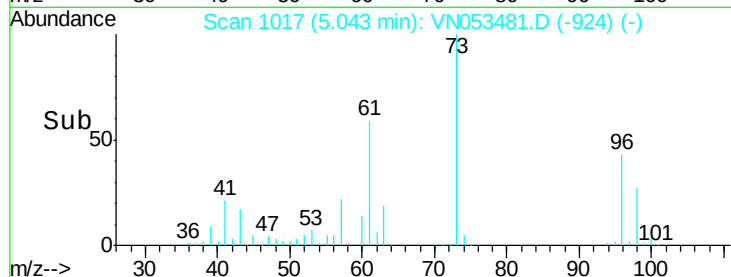
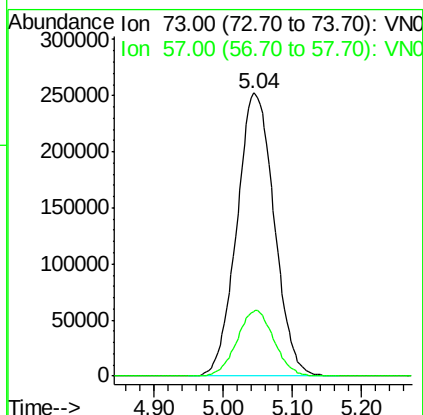
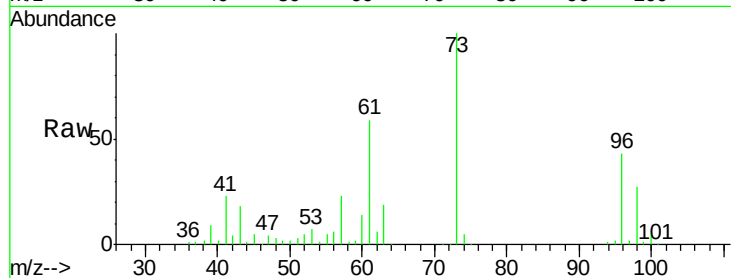




#19
Methyl tert-butyl Ether
Concen: 56.145 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

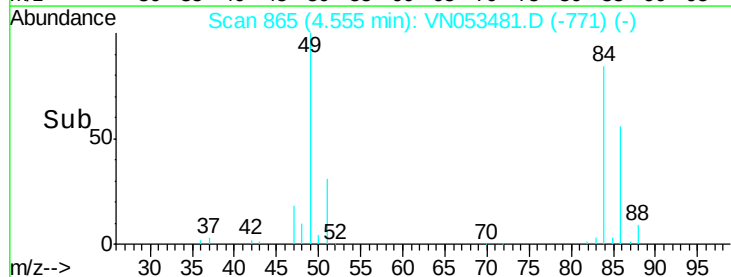
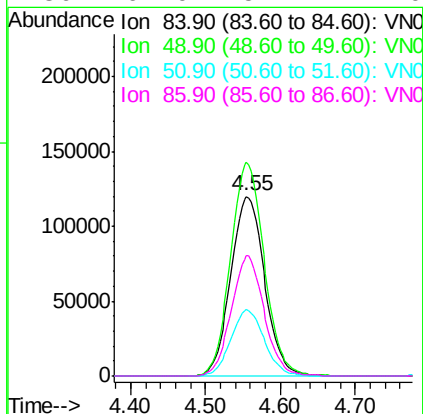
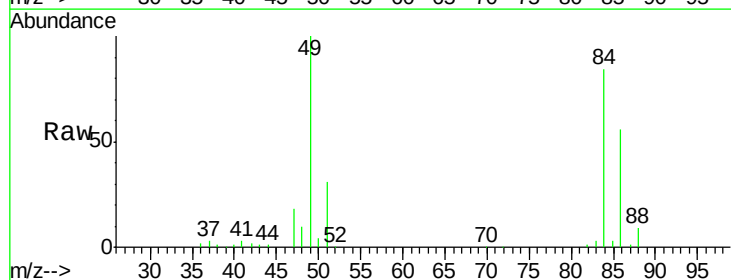
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MS

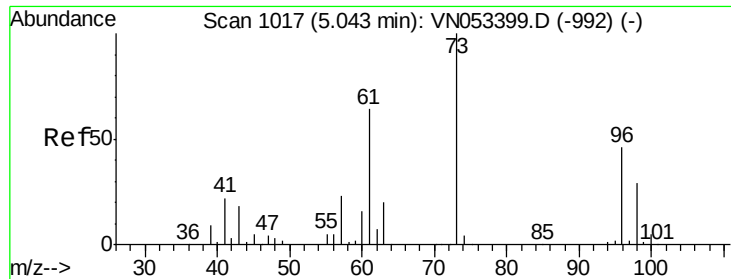
Tot Ion: 73 Resp: 945560
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5



#20
Methylene Chloride
Concen: 50.147 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion: 84 Resp: 377983
Ion Ratio Lower Upper
84 100
49 118.9 94.3 141.5
51 36.9 29.4 44.2
86 67.0 51.4 77.0

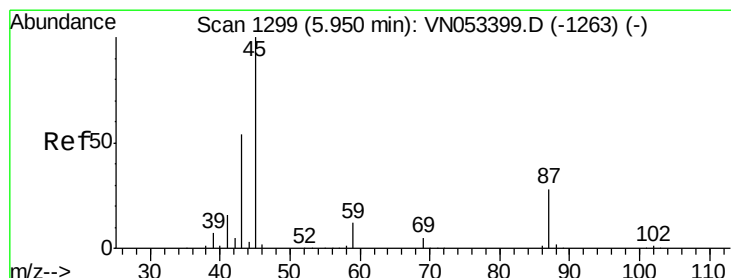
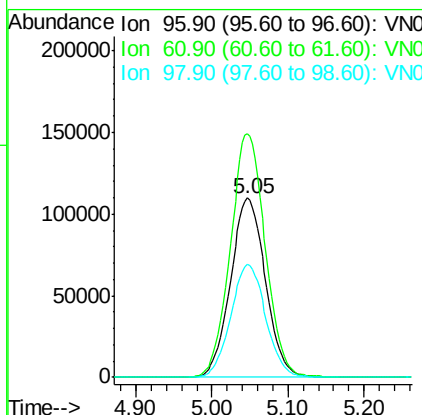
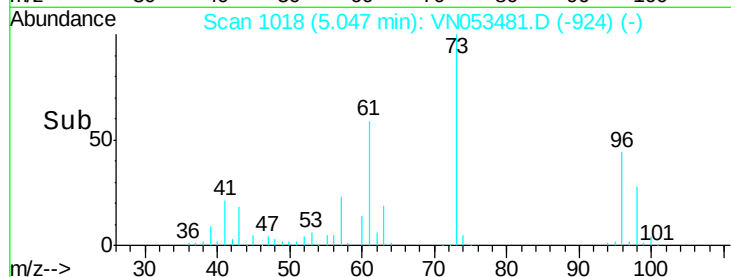
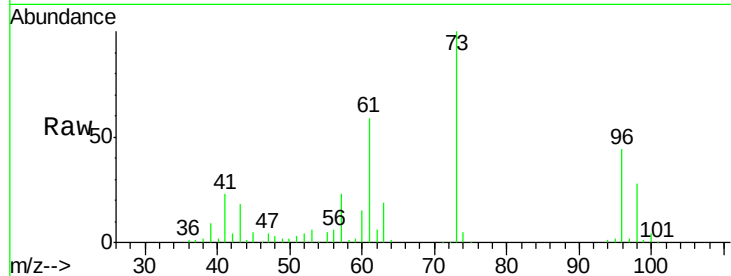




#21
trans-1,2-Dichloroethene
Concen: 51.739 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

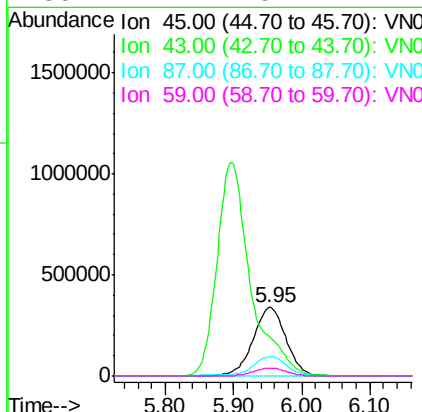
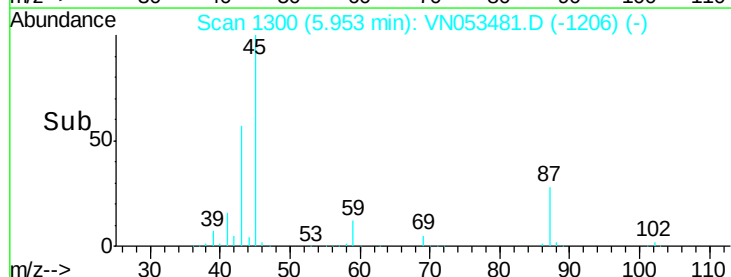
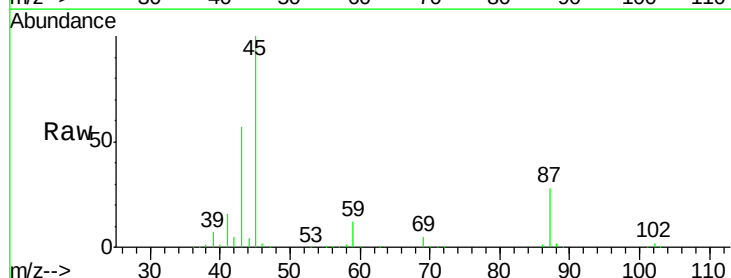
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MS

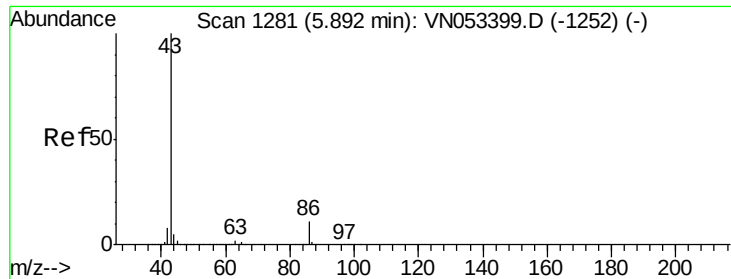
Tot Ion: 96 Resp: 350609
Ion Ratio Lower Upper
96 100
61 135.6 110.1 165.1
98 63.0 50.0 75.0



#22
Diisopropyl ether
Concen: 52.927 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion: 45 Resp: 1137568
Ion Ratio Lower Upper
45 100
43 56.0 44.2 66.4
87 28.3 22.7 34.1
59 11.7 9.4 14.2





#23

Vinyl Acetate

Concen: 274.103 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

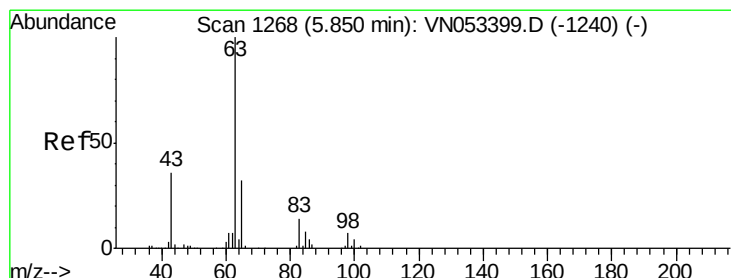
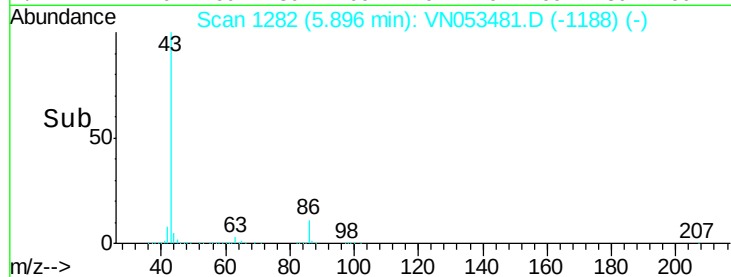
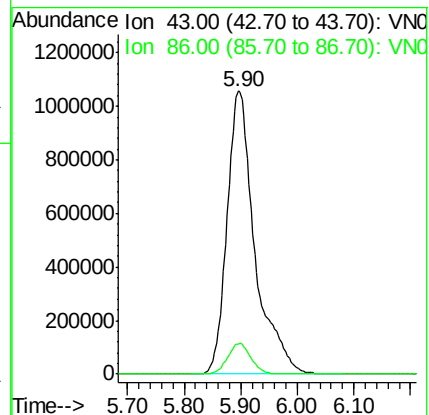
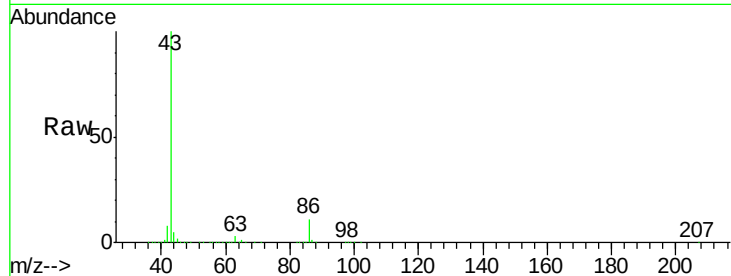
SA-TW521-2327MS

Tot Ion: 43 Resp: 3621489

Ion Ratio Lower Upper

43 100

86 10.8 8.4 12.6



#24

1,1-Dichloroethane

Concen: 51.635 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

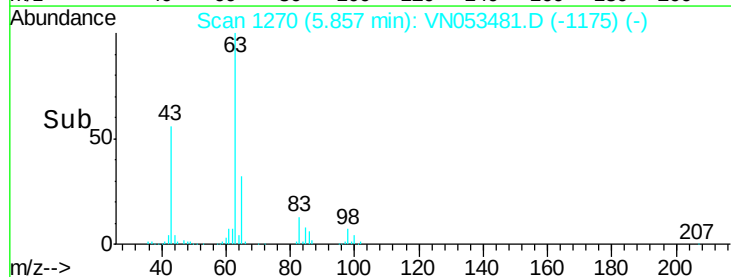
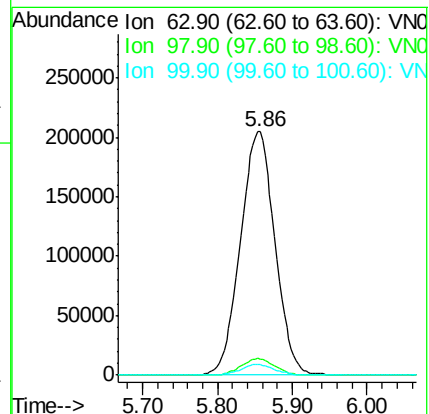
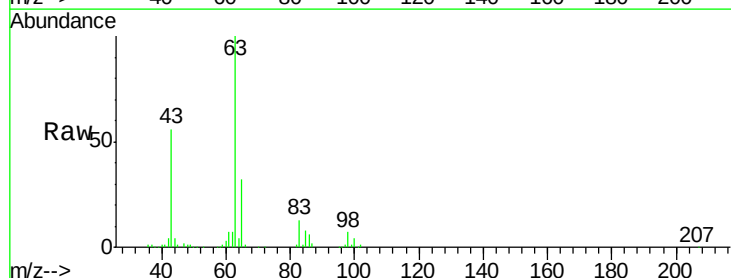
Tgt Ion: 63 Resp: 656068

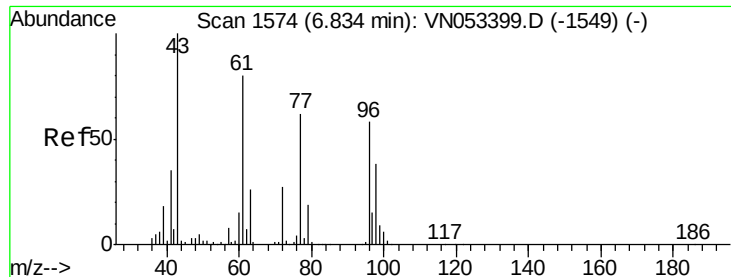
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.3 2.1 6.5

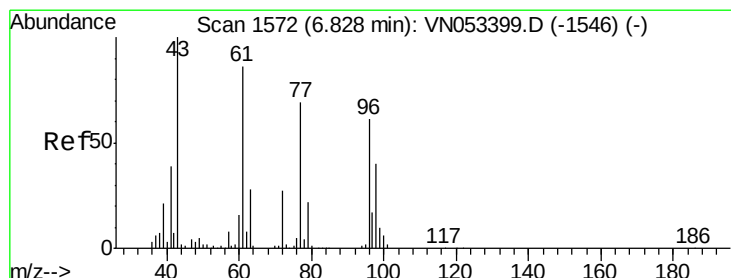
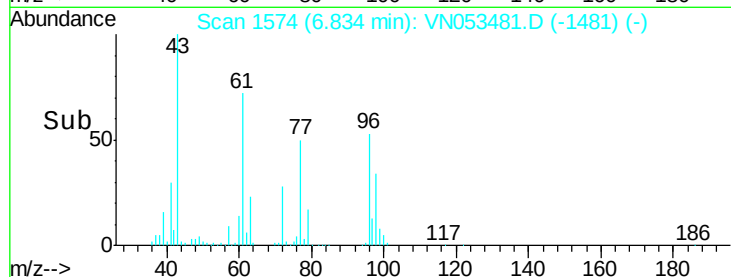
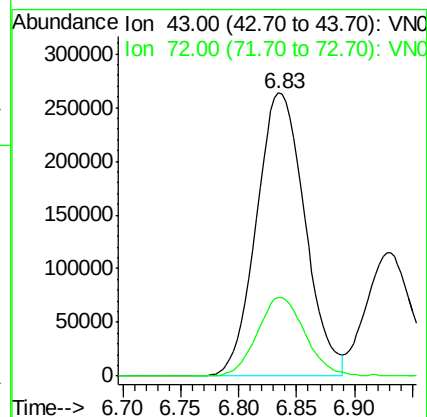
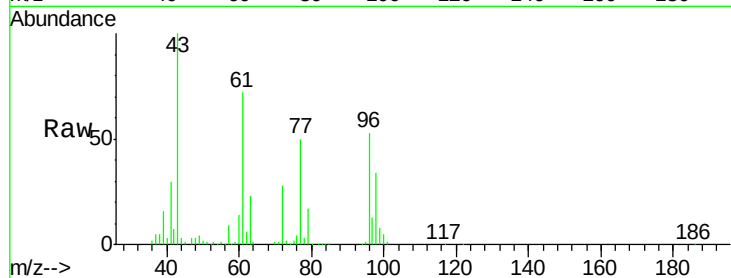




#25
2-Butanone
Concen: 300.861 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

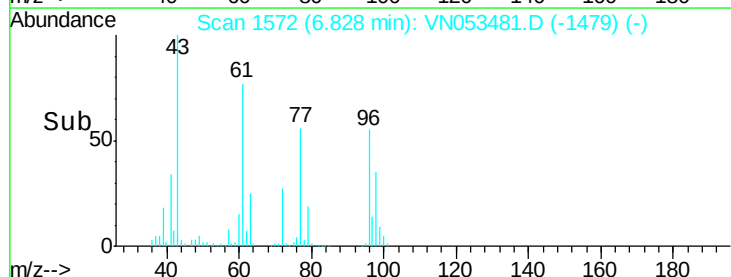
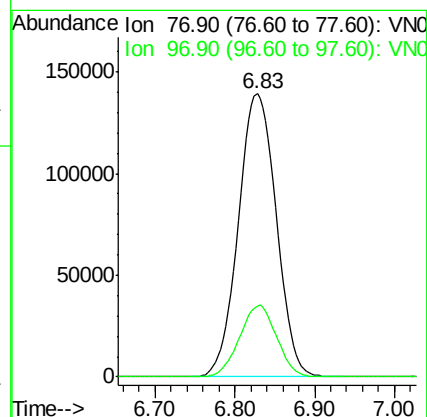
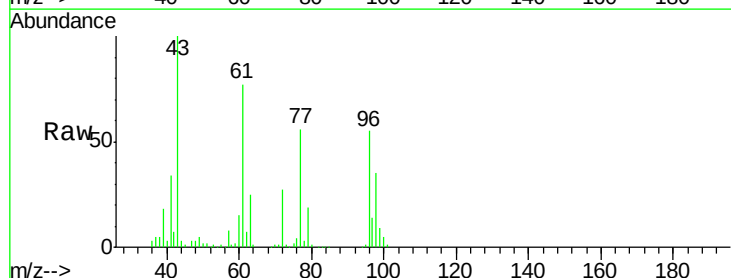
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MS

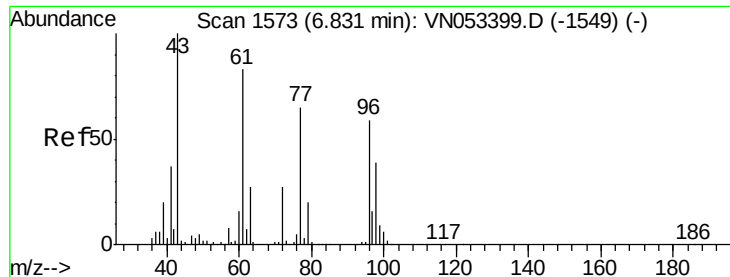
Tot Ion: 43 Resp: 765431
Ion Ratio Lower Upper
43 100
72 27.9 22.0 33.0



#26
2,2-Dichloropropane
Concen: 46.645 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion: 77 Resp: 447482
Ion Ratio Lower Upper
77 100
97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.633 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

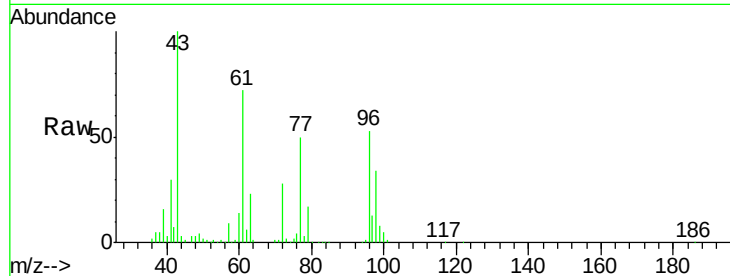
Tot Ion: 96 Resp: 407852

Ion Ratio Lower Upper

96 100

61 140.2 0.0 283.8

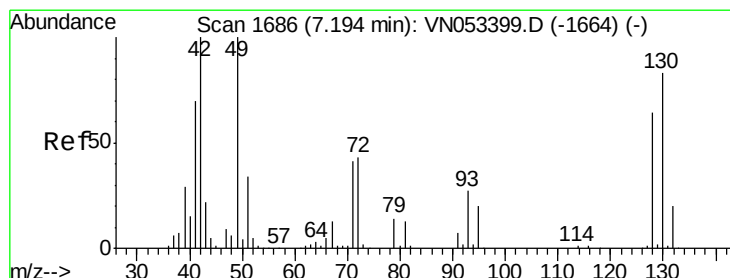
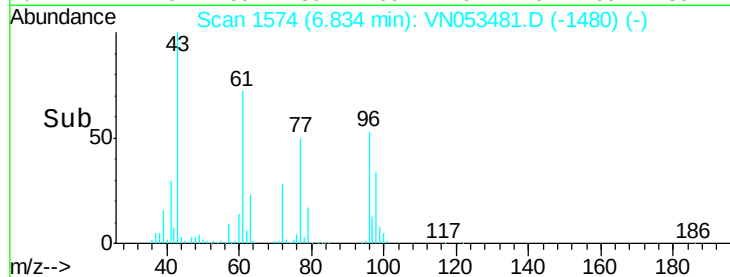
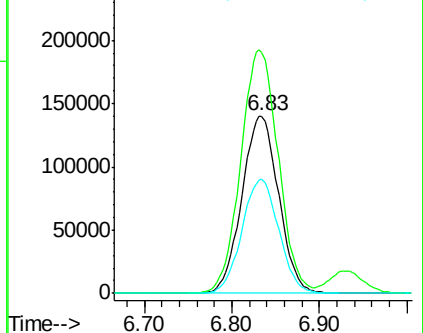
98 64.6 0.0 129.2



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: 53.182 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

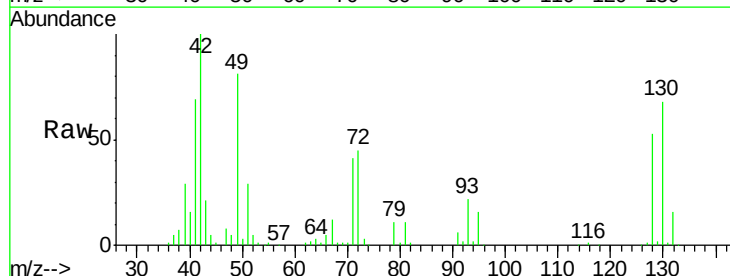
Tgt Ion: 49 Resp: 297686

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

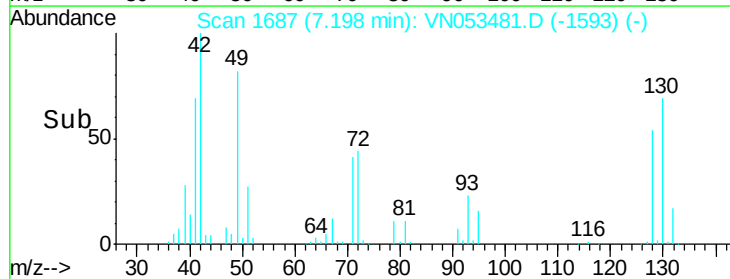
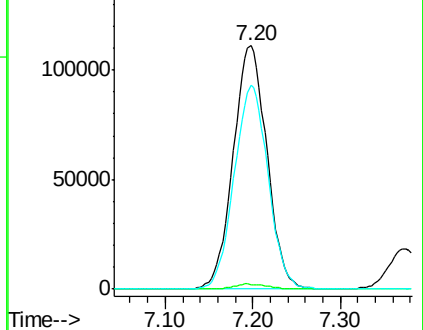
130 84.1 66.3 99.5

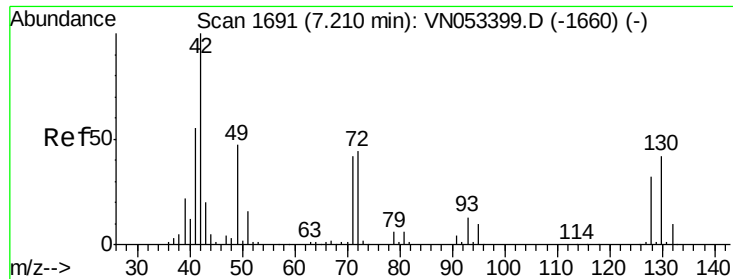


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

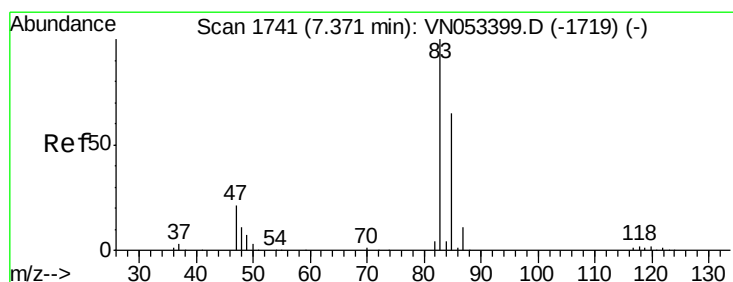
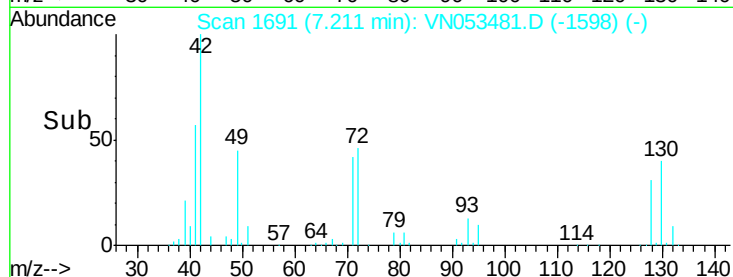
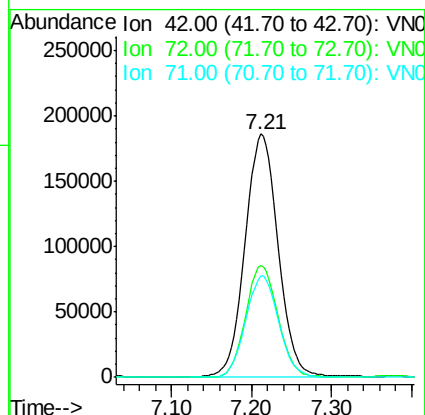
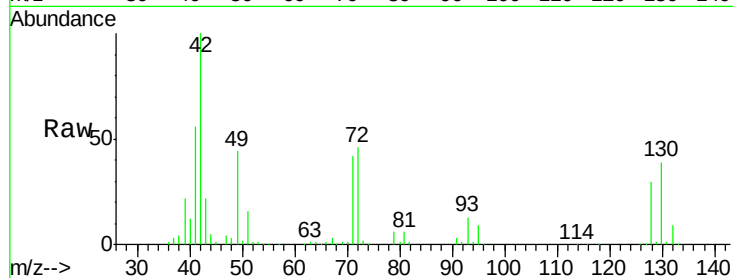




#29
Tetrahydrofuran
Concen: 314.429 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

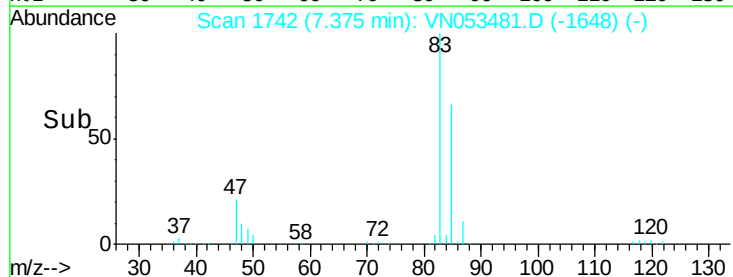
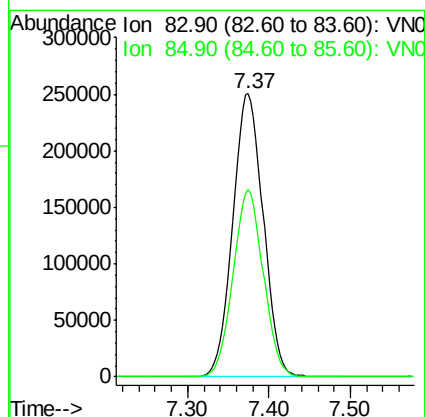
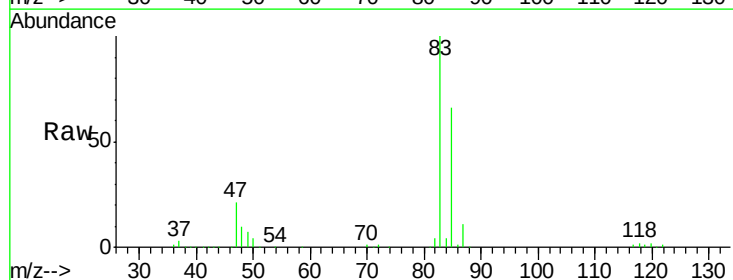
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MS

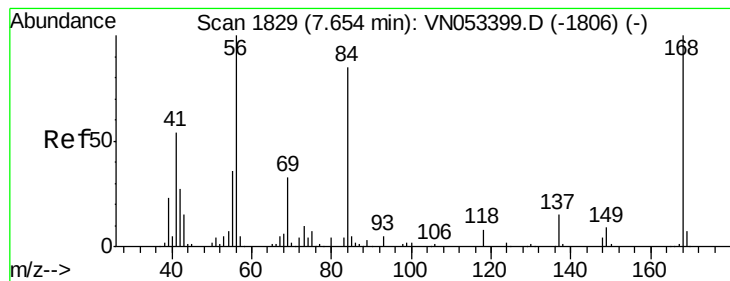
Tot Ion: 42 Resp: 520770
Ion Ratio Lower Upper
42 100
72 44.9 35.2 52.8
71 41.6 33.0 49.4



#30
Chloroform
Concen: 52.756 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion: 83 Resp: 653091
Ion Ratio Lower Upper
83 100
85 66.4 52.2 78.2





#31

Cyclohexane

Concen: 48.005 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

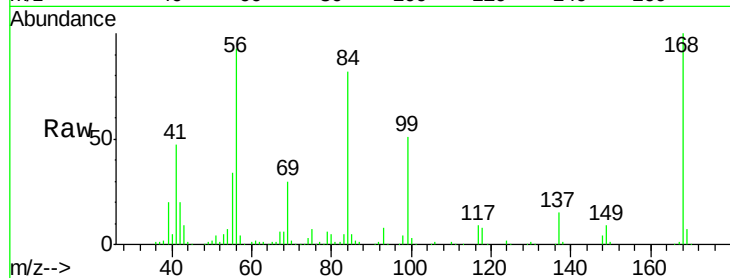
Tot Ion: 56 Resp: 593696

Ion Ratio Lower Upper

56 100

69 32.5 26.4 39.6

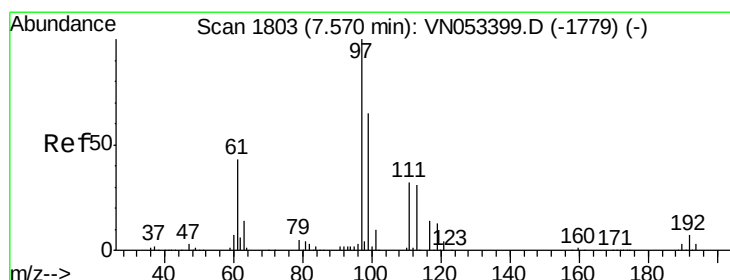
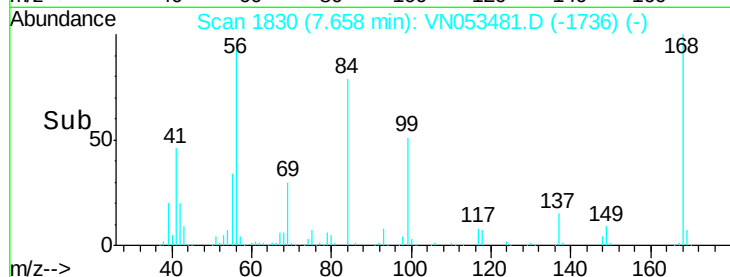
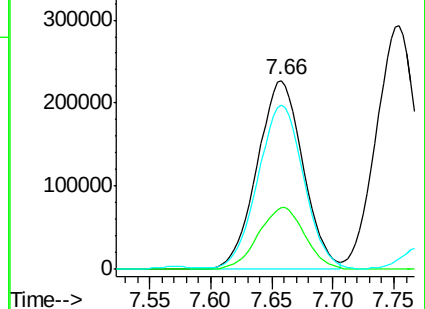
84 86.0 67.9 101.9



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: 51.919 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

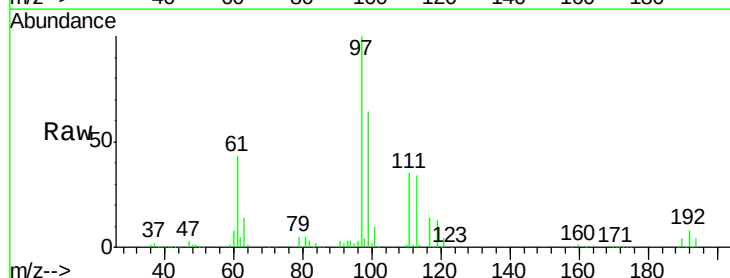
Tgt Ion: 97 Resp: 545228

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

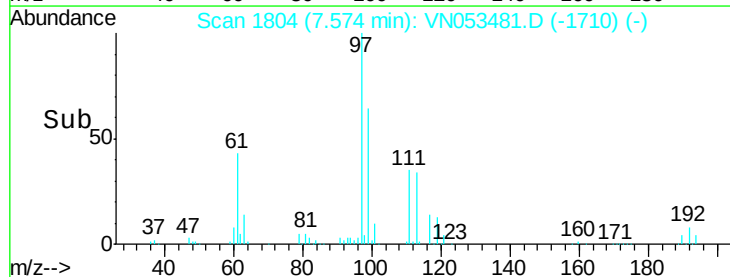
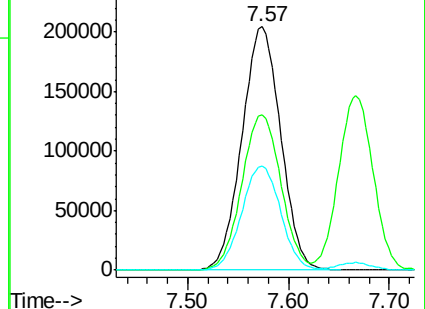
61 43.0 34.4 51.6

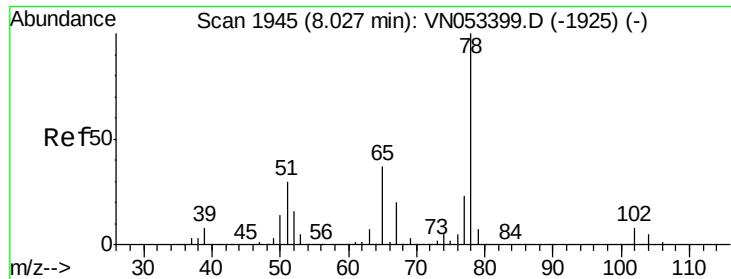


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.919 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

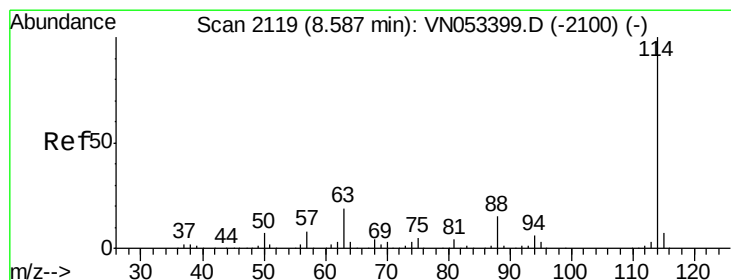
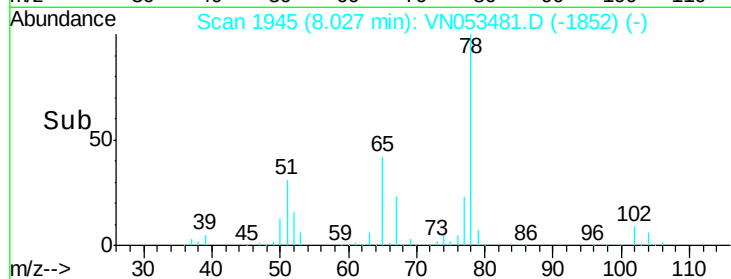
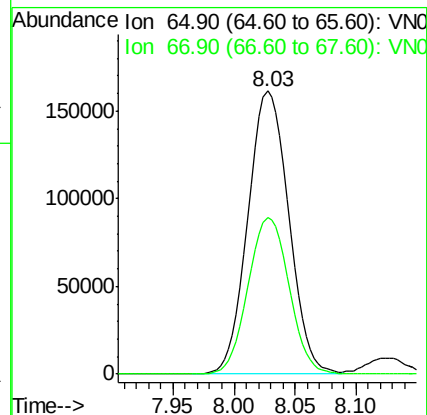
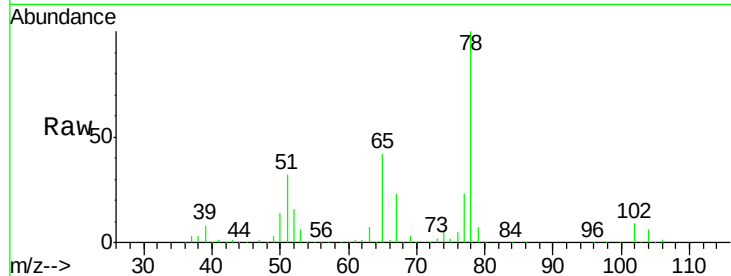
SA-TW521-2327MS

Tot Ion: 65 Resp: 374763

Ion Ratio Lower Upper

65 100

67 55.6 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

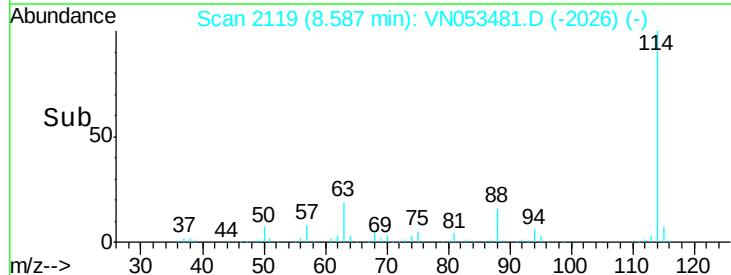
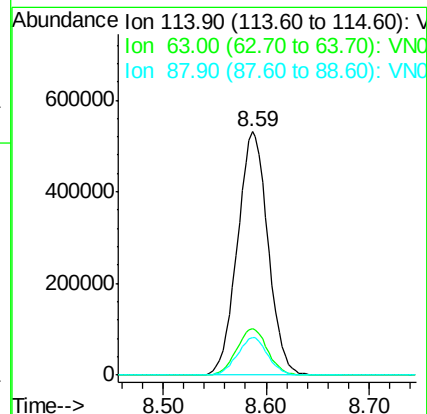
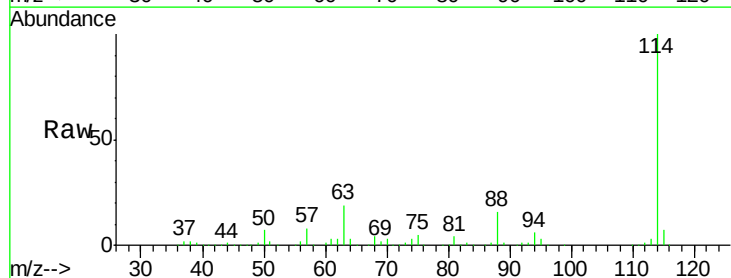
Tgt Ion: 114 Resp: 1091322

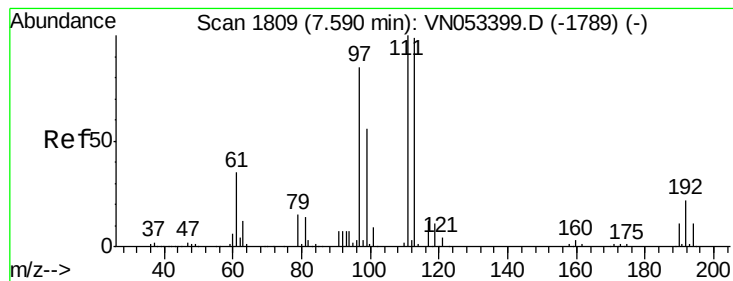
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

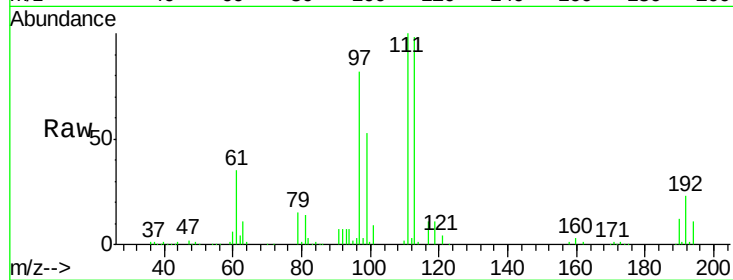
Tot Ion:113 Resp: 327819

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

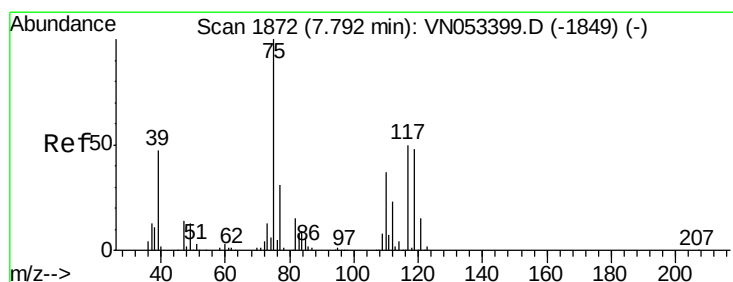
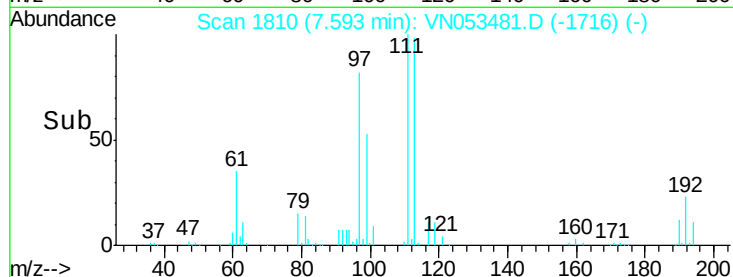
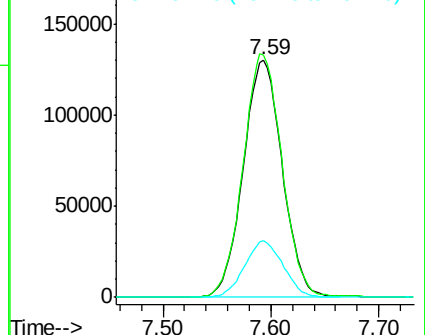
192 23.4 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.653 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

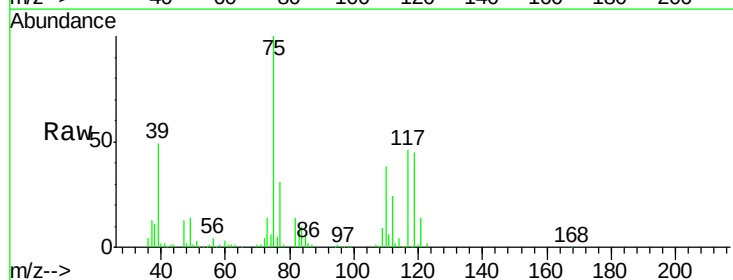
Tgt Ion: 75 Resp: 493492

Ion Ratio Lower Upper

75 100

110 37.4 18.1 54.3

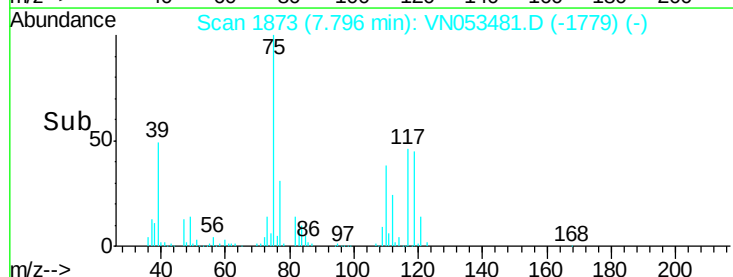
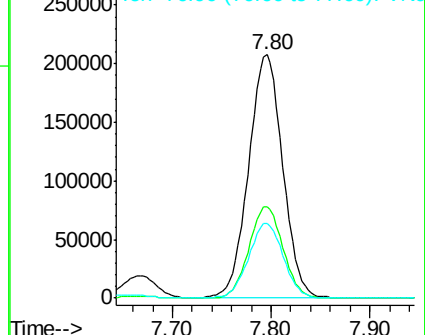
77 31.5 25.1 37.7

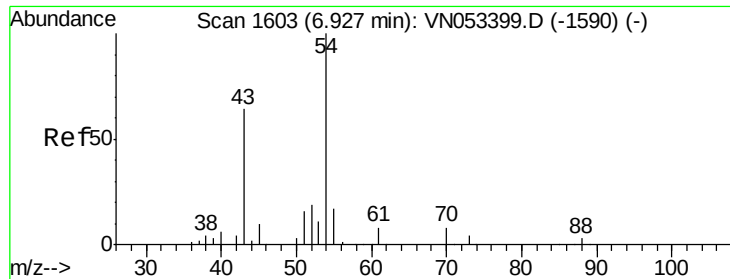


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

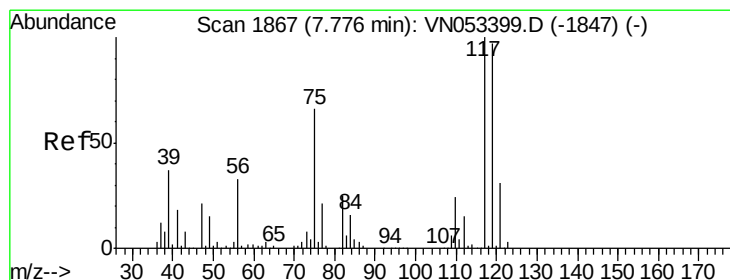
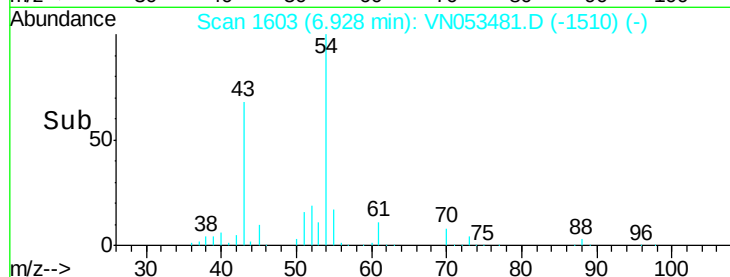
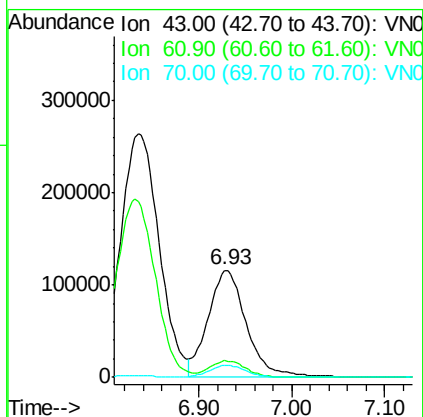
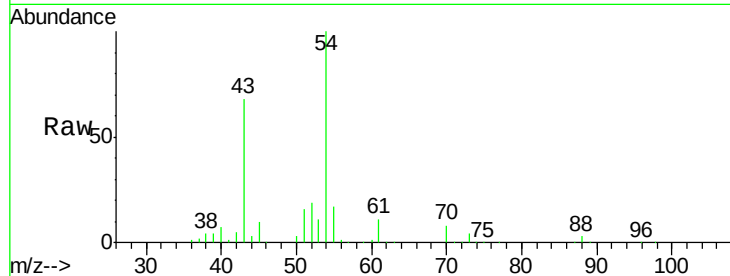




#37
Ethyl Acetate
Concen: 57.171 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

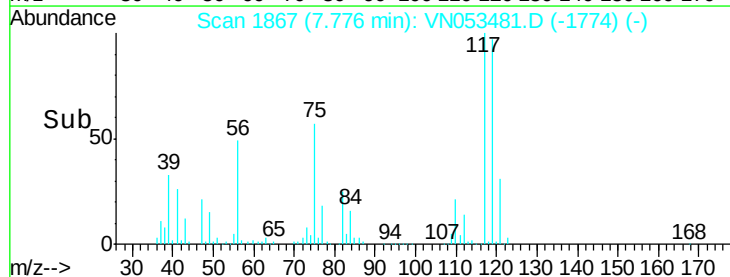
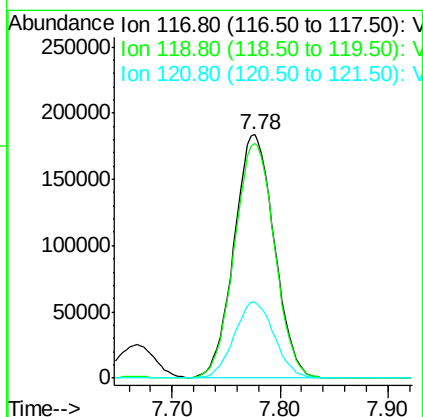
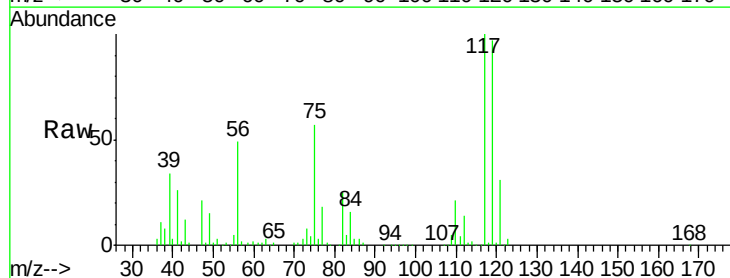
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MS

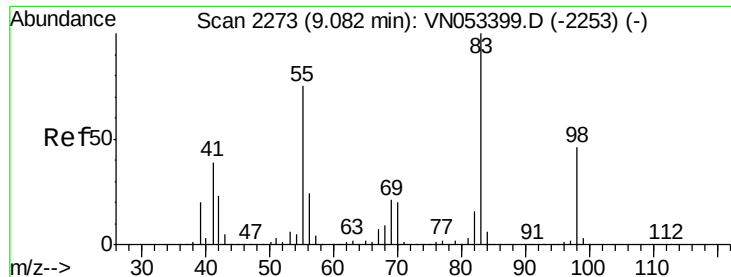
Tot Ion: 43 Resp: 326909
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 11.0 8.6 12.8



#38
Carbon Tetrachloride
Concen: 50.304 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion: 117 Resp: 473330
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 31.2 24.6 37.0

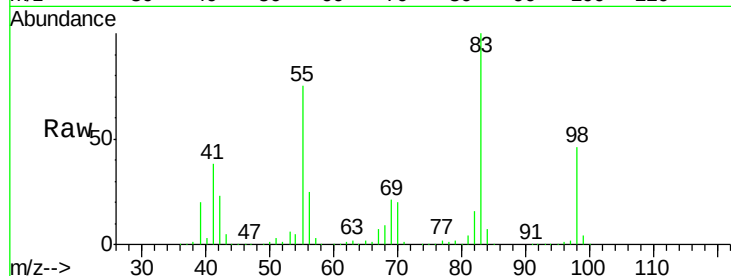




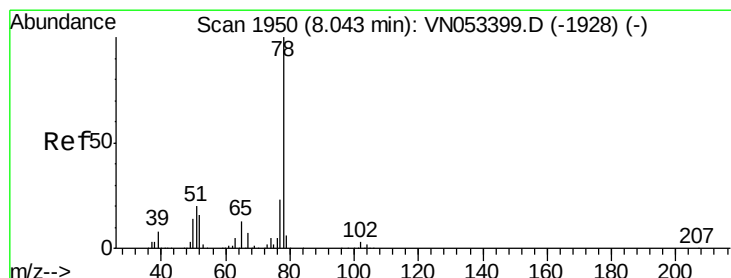
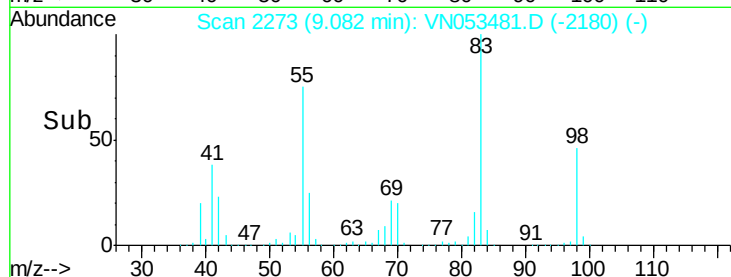
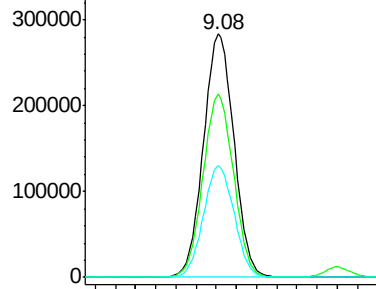
#39
Methylvlcyclohexane
Concen: 48.501 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MS

Tot Ion	83.00	Resp	595796
Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.1	90.1
98	46.1	36.6	55.0

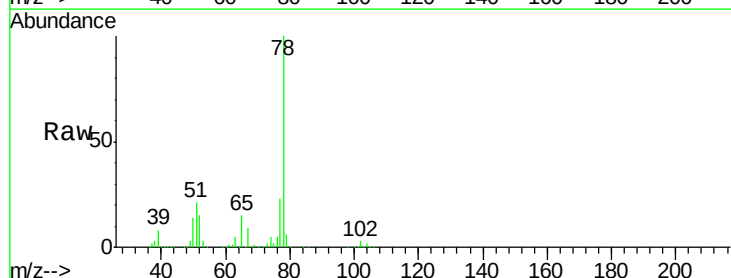


Abundance Ion 83.00 (82.70 to 83.70): VN053399.D (-2253) (-)

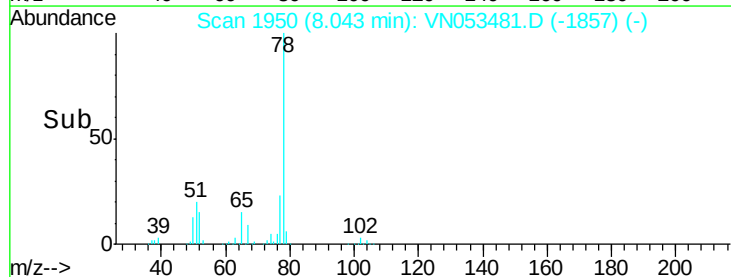
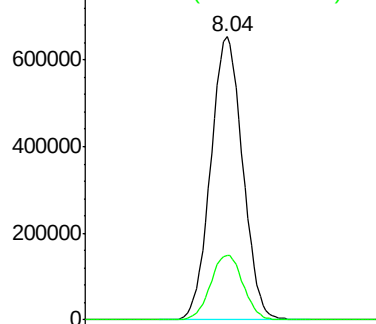


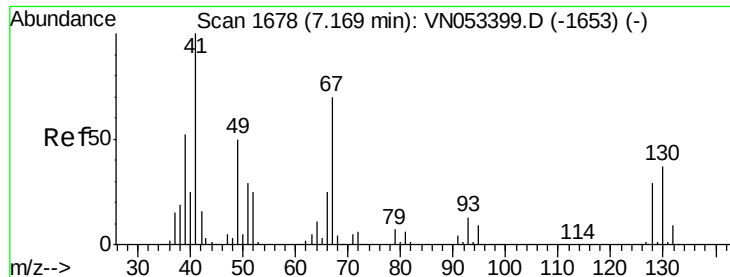
#40
Benzene
Concen: 50.783 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion	78.00	Resp	1533762
Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN053399.D (-1928) (-)

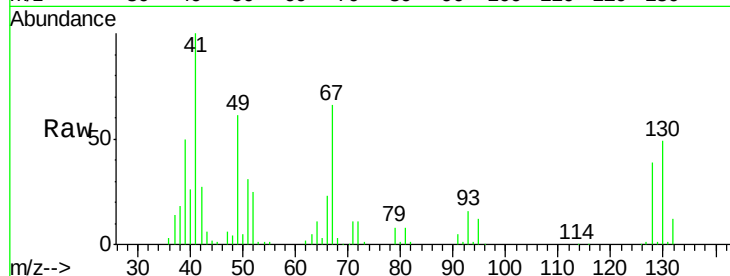




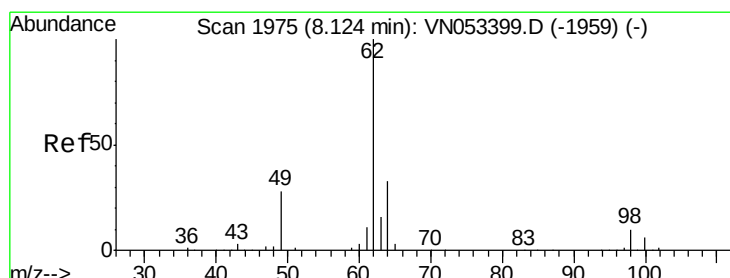
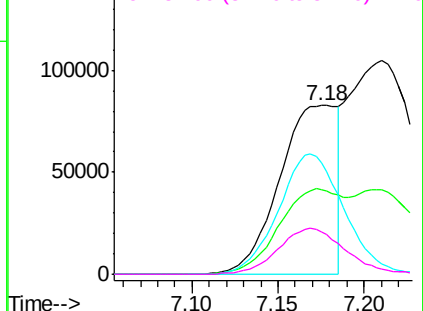
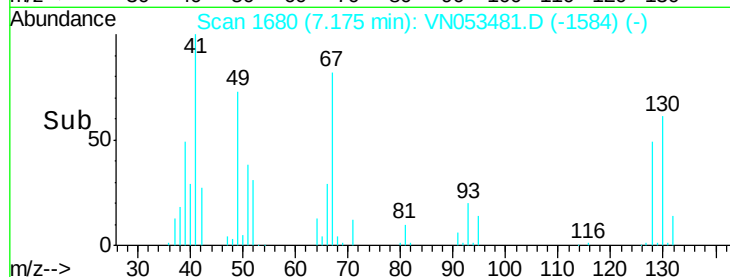
#41
Methacrylonitrile
Concen: 56.738 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MS

Tot Ion:	41	Resp:	193091
Ion	Ratio	Lower	Upper
41	100		
39	57.5	46.8	70.2
67	81.6	63.0	94.6
52	31.1	23.8	35.8

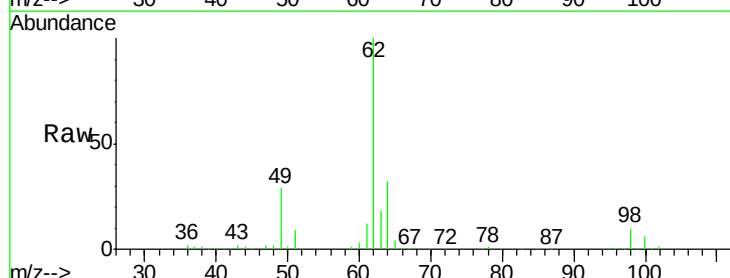


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

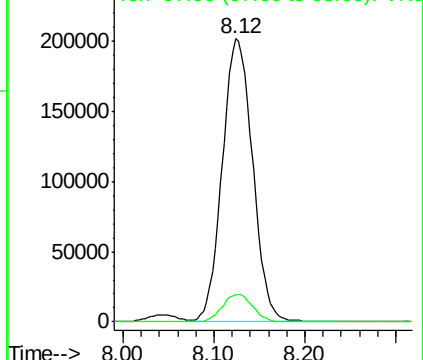
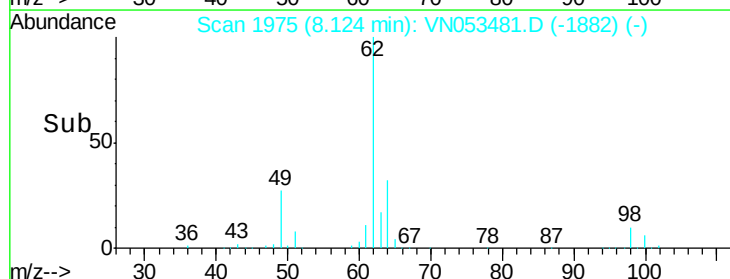


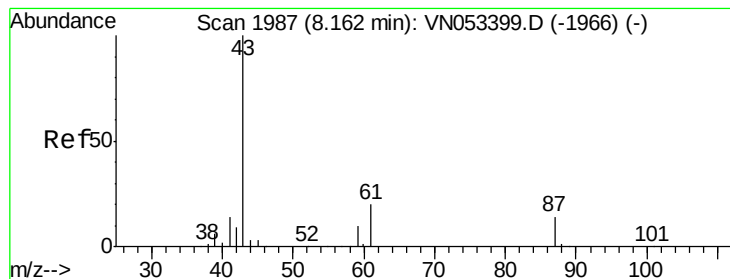
#42
1,2-Dichloroethane
Concen: 53.089 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion:	62	Resp:	467115
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 56.921 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

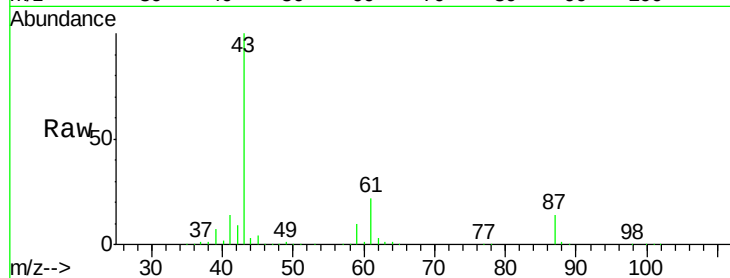
Tot Ion: 43 Resp: 585249

Ion Ratio Lower Upper

43 100

61 30.0 23.9 35.9

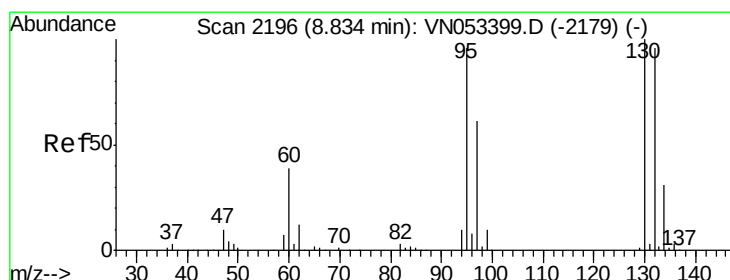
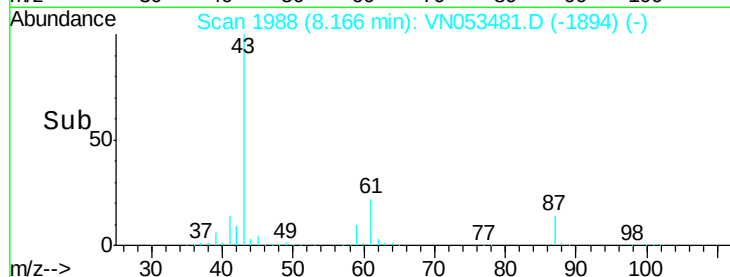
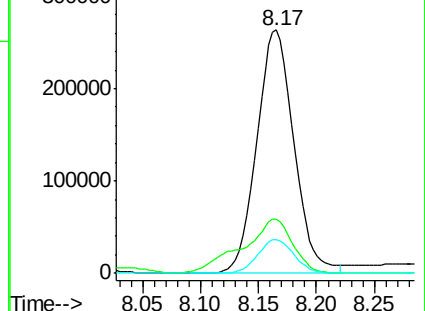
87 13.6 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 50.152 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053481.D

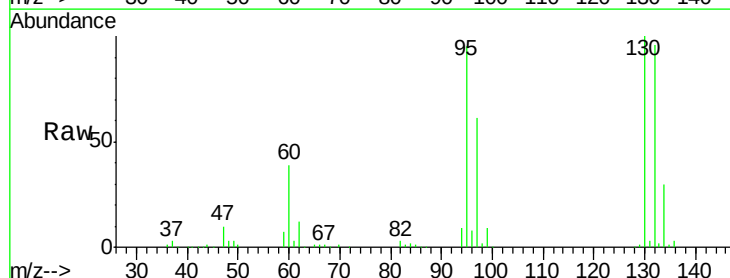
Acq: 18 Jan 2019 19:17

Tgt Ion:130 Resp: 420047

Ion Ratio Lower Upper

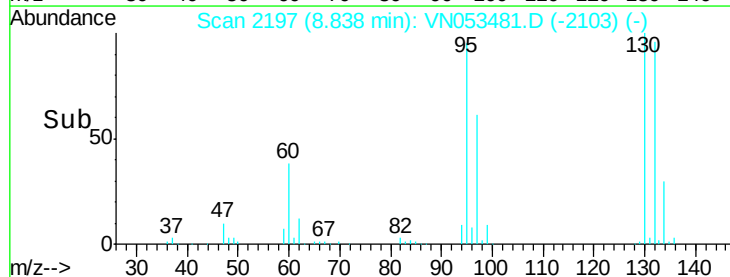
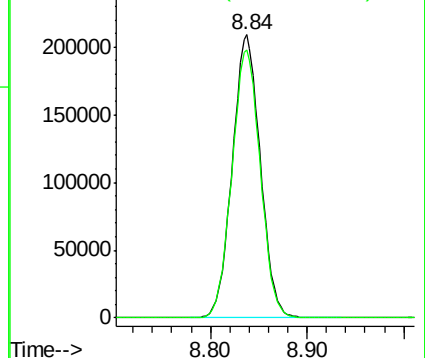
130 100

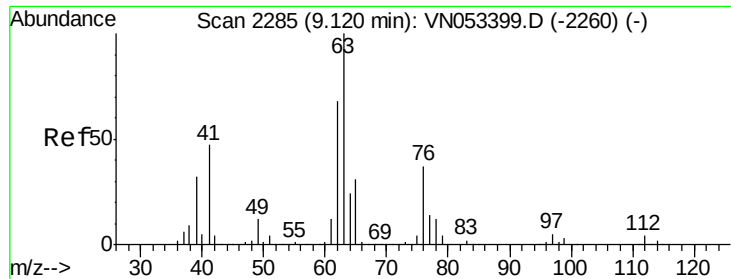
95 94.9 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

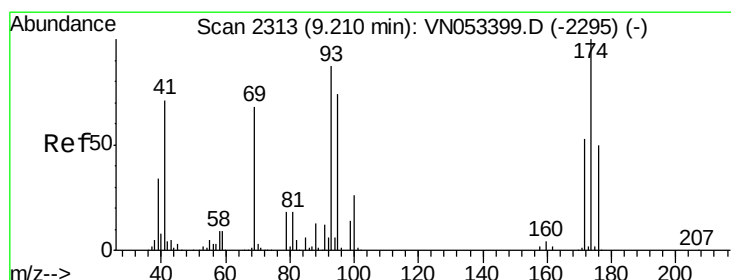
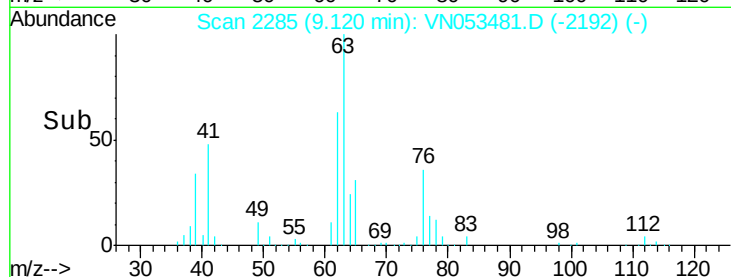
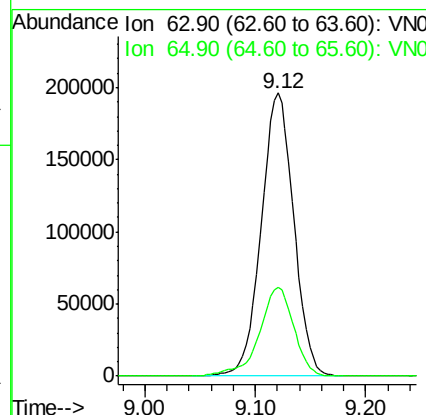
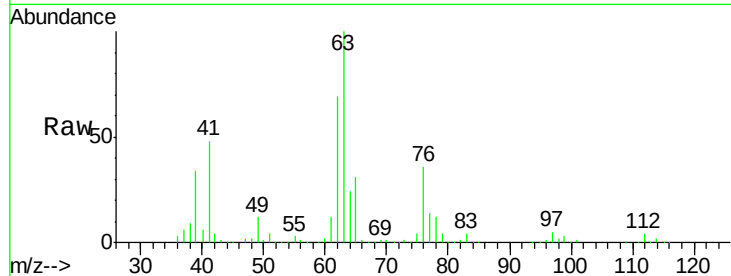




#45
 1,2-Dichloropropane
 Concen: 50.195 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

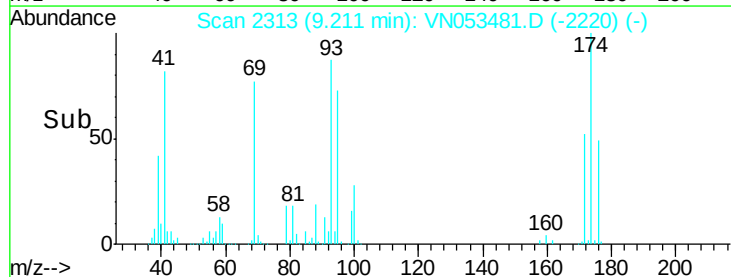
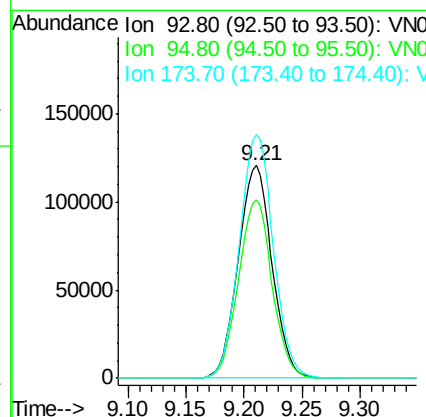
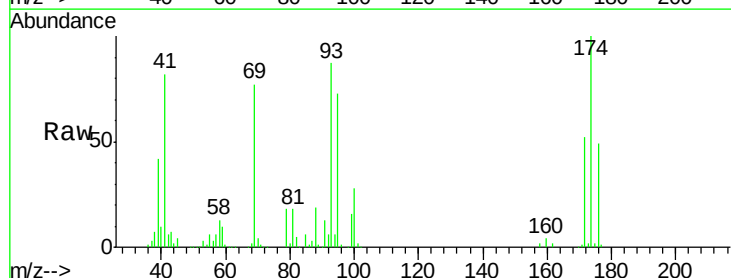
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MS

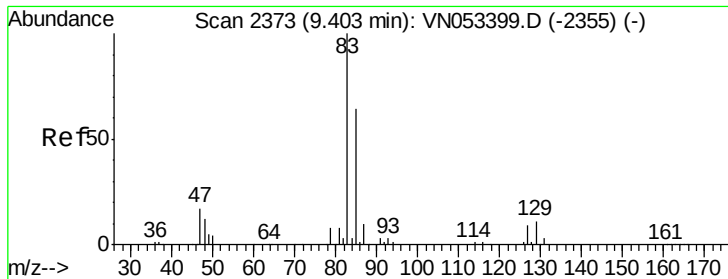
Tot Ion: 63 Resp: 401541
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4



#46
 Dibromomethane
 Concen: 53.210 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

Tgt Ion: 93 Resp: 244557
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.3 100.9
 174 115.0 91.0 136.4





#47

Bromodichloromethane

Concen: 52.245 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

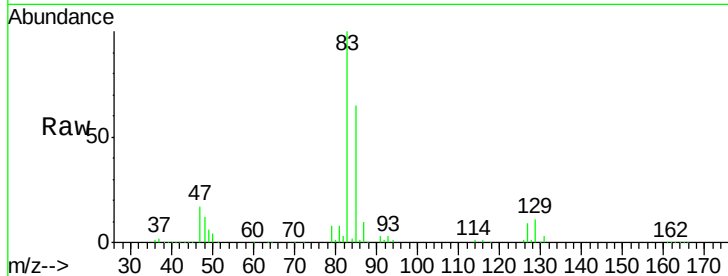
Tot Ion: 83 Resp: 504972

Ion Ratio Lower Upper

83 100

85 64.9 51.0 76.6

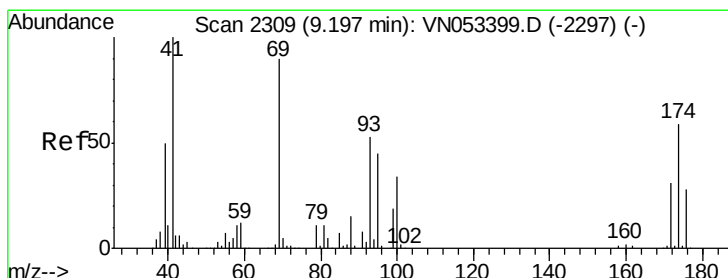
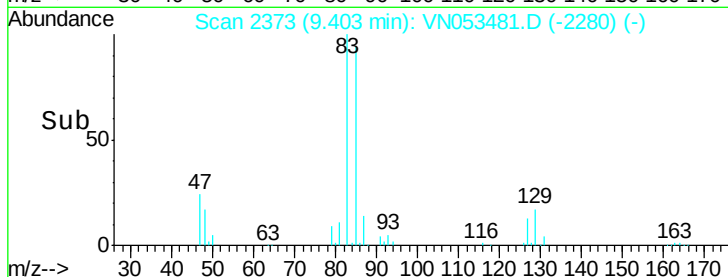
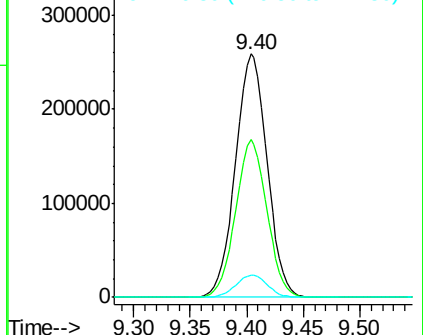
127 9.2 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN053399.D (-2355) (-)



#48

Methyl methacrylate

Concen: 56.455 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

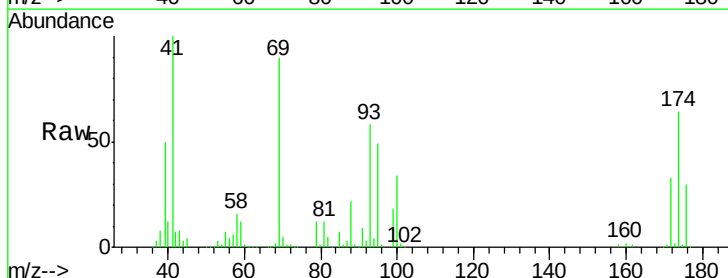
Tgt Ion: 41 Resp: 299707

Ion Ratio Lower Upper

41 100

69 93.5 73.8 110.6

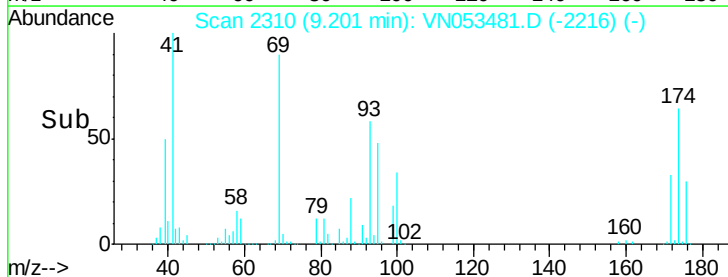
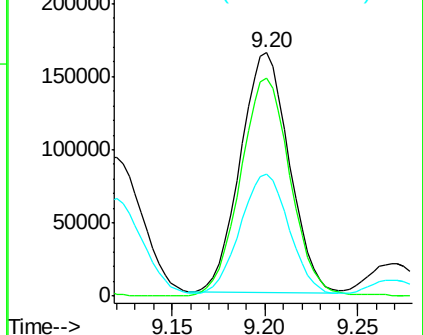
39 52.1 40.0 60.0

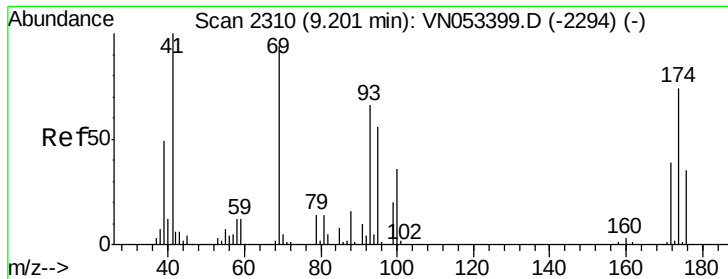


Abundance Ion 41.00 (40.70 to 41.70): VN053399.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN053399.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN053399.D (-2297) (-)





#49

1,4-Dioxane

Concen: 1498.967 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

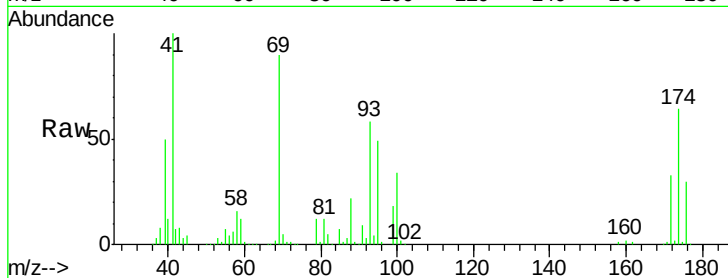
Tot Ion: 88 Resp: 77716

Ion Ratio Lower Upper

88 100

43 32.5 27.8 41.6

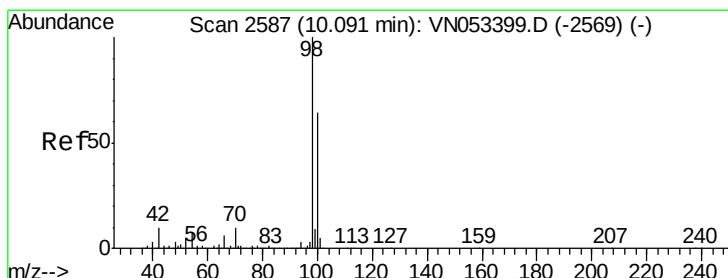
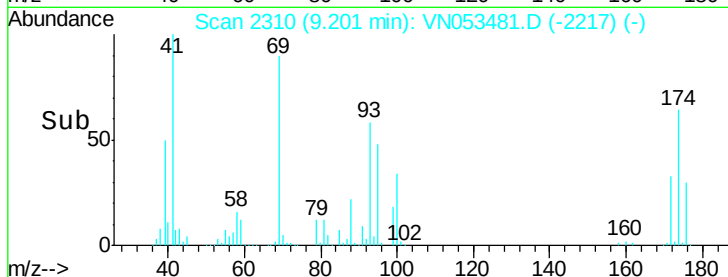
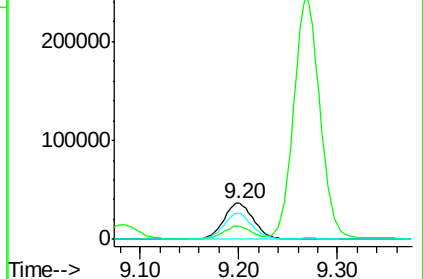
58 69.2 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 1498.967 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053481.D

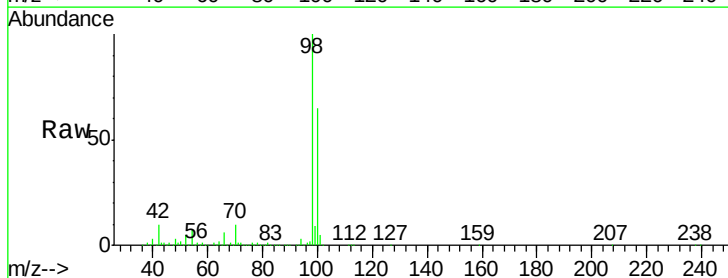
Acq: 18 Jan 2019 19:17

Tgt Ion: 98 Resp: 1329968

Ion Ratio Lower Upper

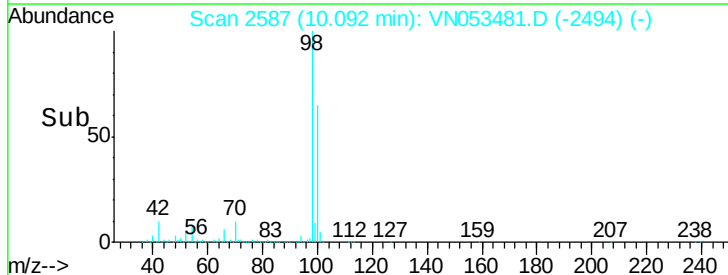
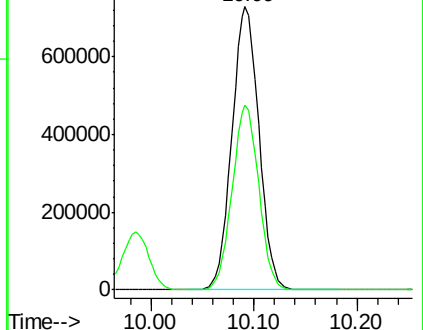
98 100

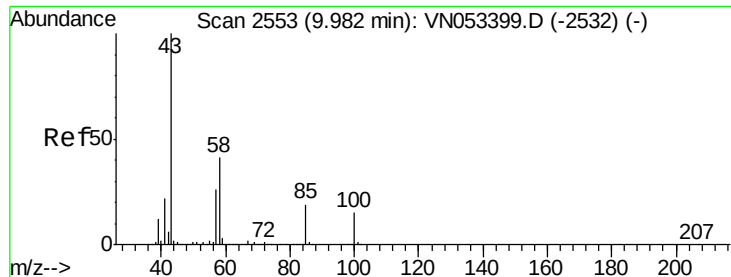
100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)

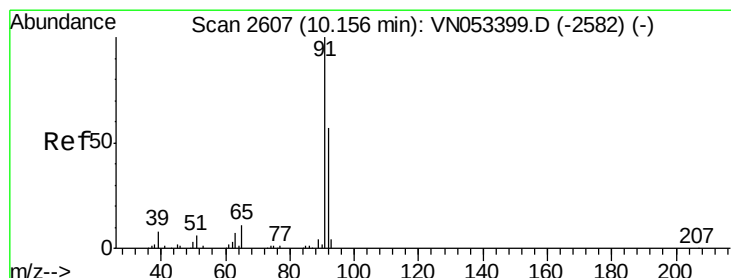
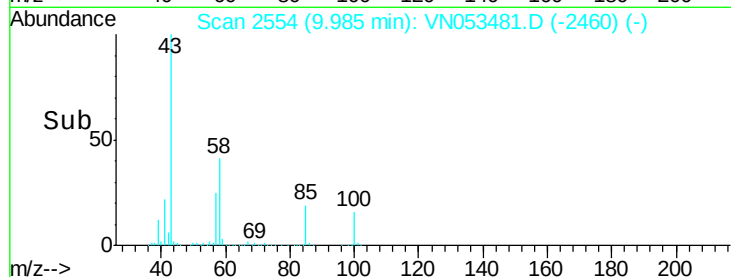
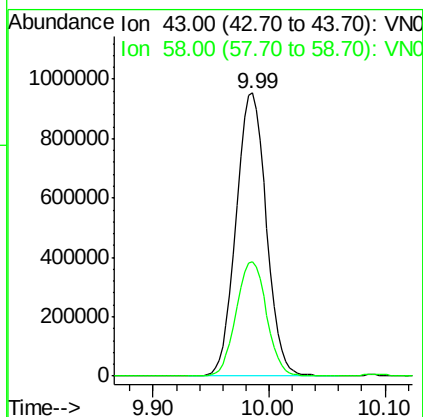
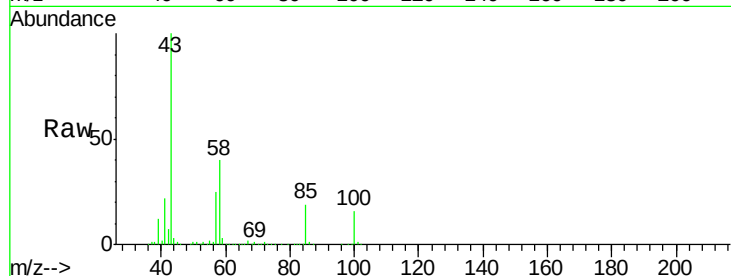




#51
 4-Methyl-2-Pentanone
 Concen: 307.586 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

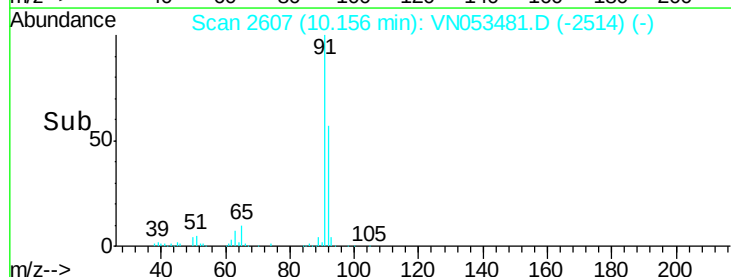
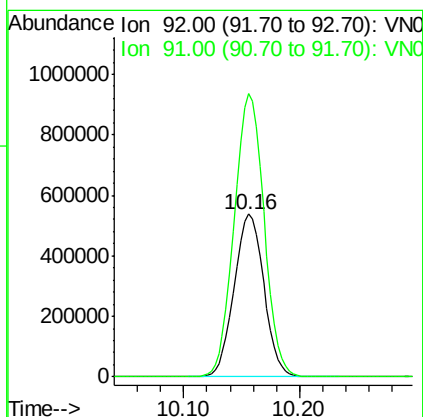
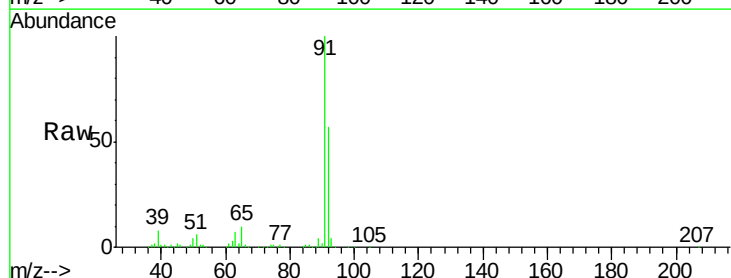
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MS

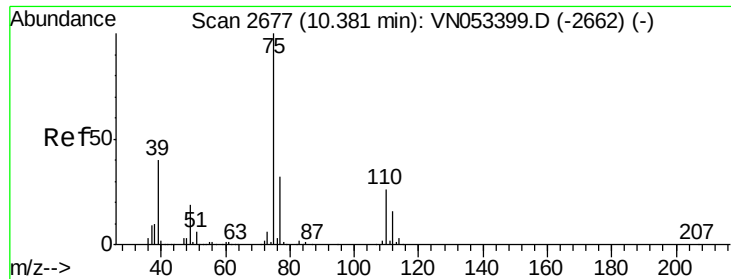
Tot Ion: 43 Resp: 1726407
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.8 49.2



#52
 Toluene
 Concen: 50.883 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

Tgt Ion: 92 Resp: 954064
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 52.836 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

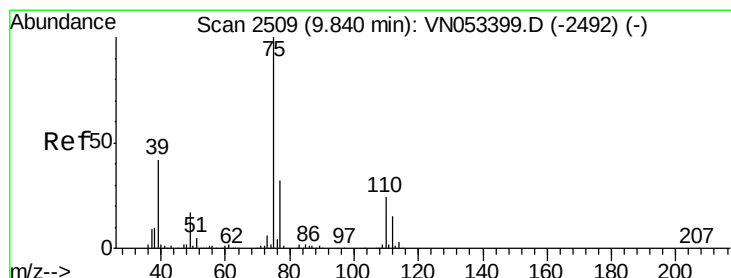
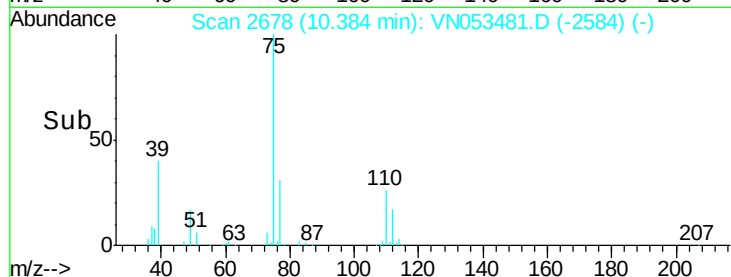
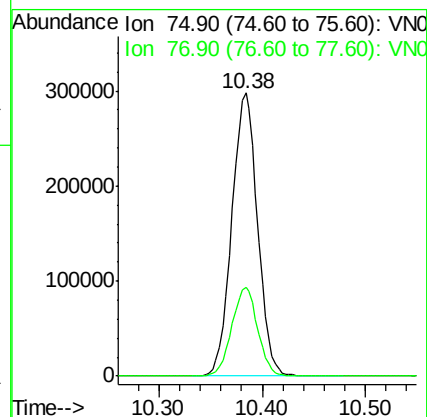
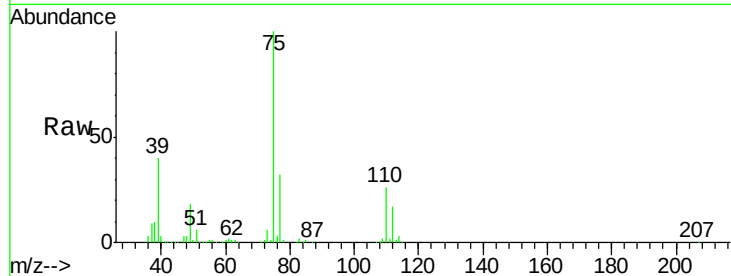
SA-TW521-2327MS

Tot Ion: 75 Resp: 517637

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 50.637 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

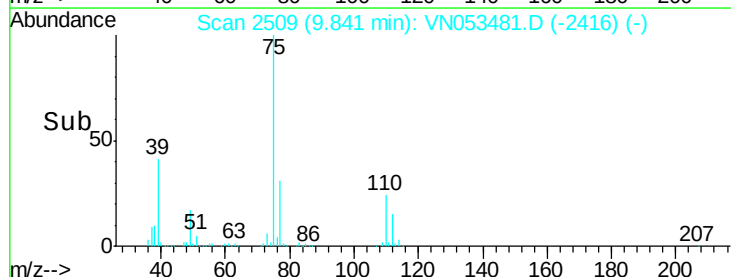
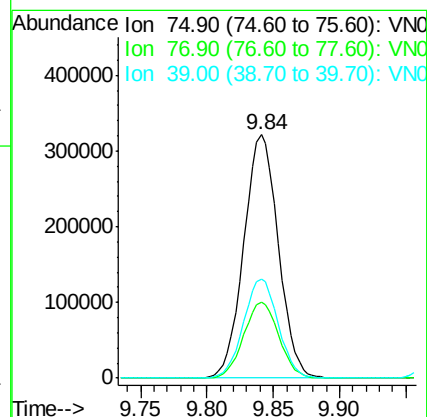
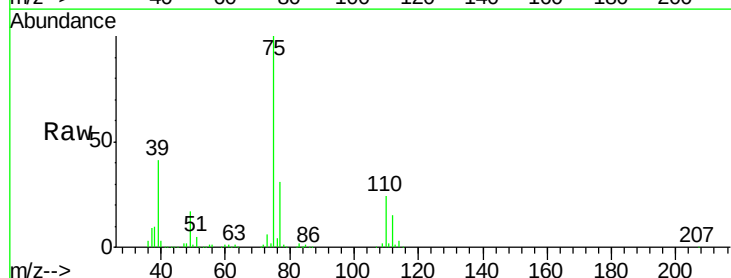
Tgt Ion: 75 Resp: 581547

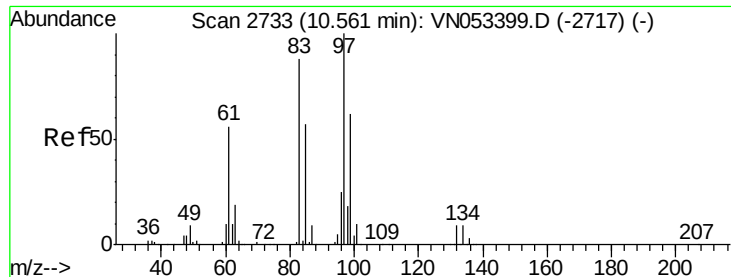
Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6

39 40.9 33.4 50.0

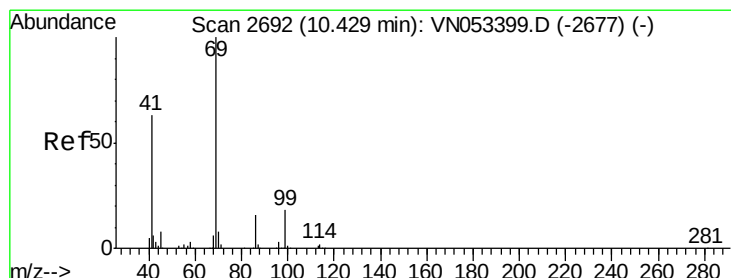
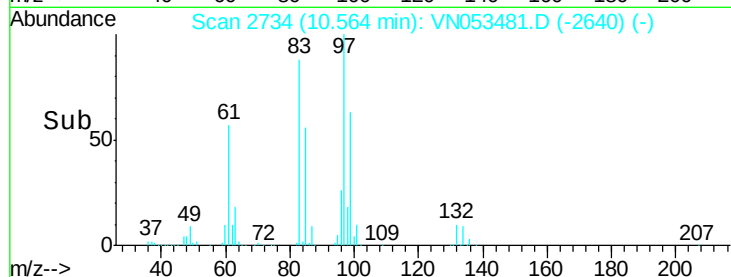
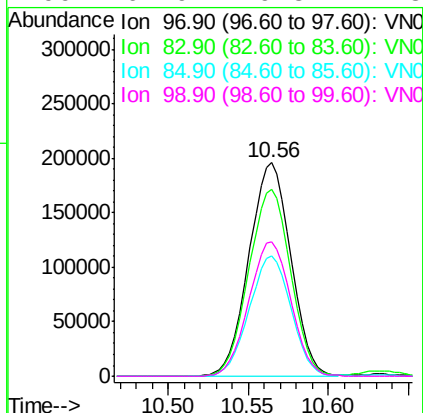
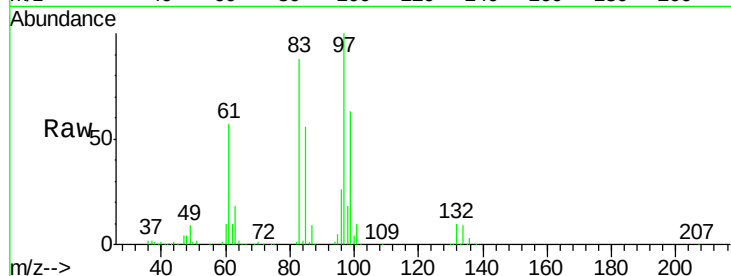




#55
 1,1,2-Trichloroethane
 Concen: 54.352 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

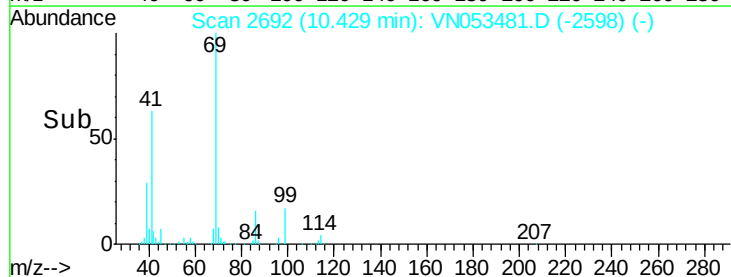
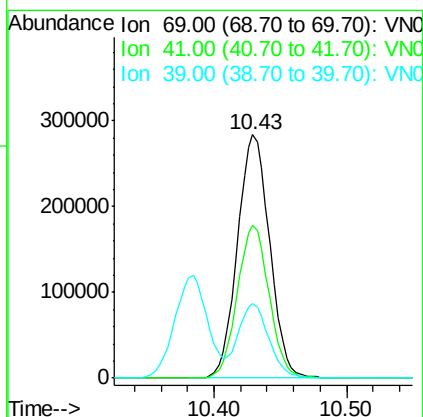
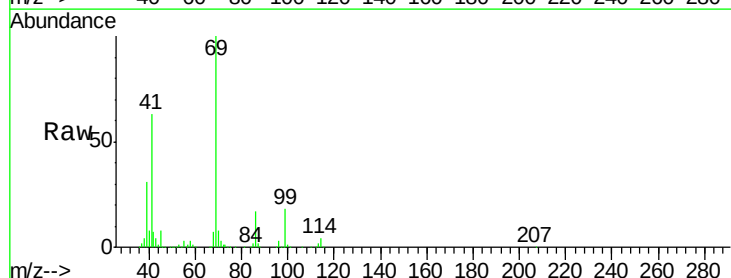
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MS

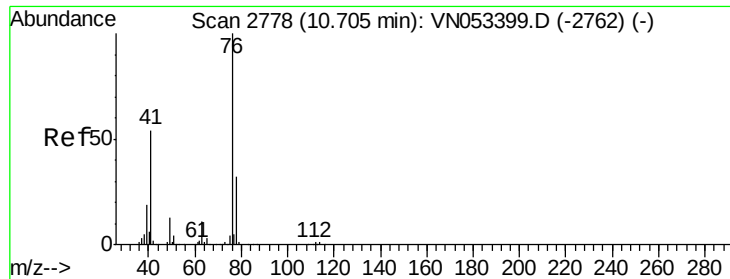
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.6	70.1	105.1	
85	56.5	45.4	68.0	
99	62.9	49.8	74.8	



#56
 Ethyl methacrylate
 Concen: 52.020 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	61.7	49.4	74.0	
39	29.4	23.3	34.9	





#57

1,3-Dichloropropane

Concen: 53.962 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

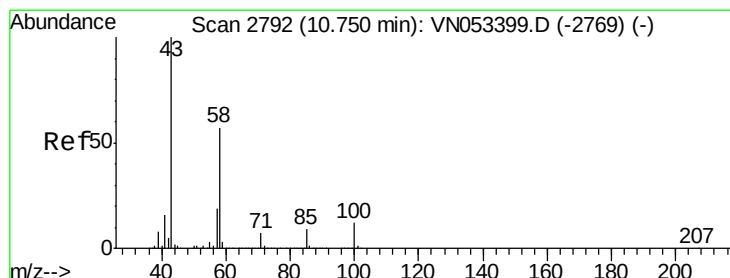
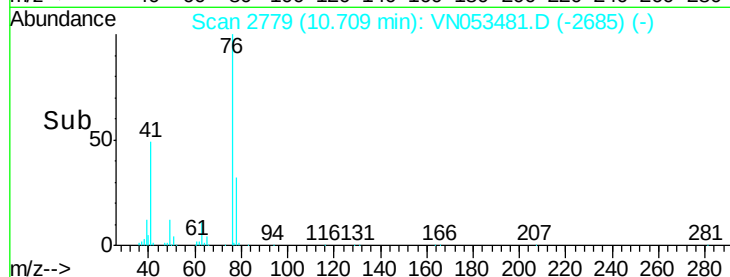
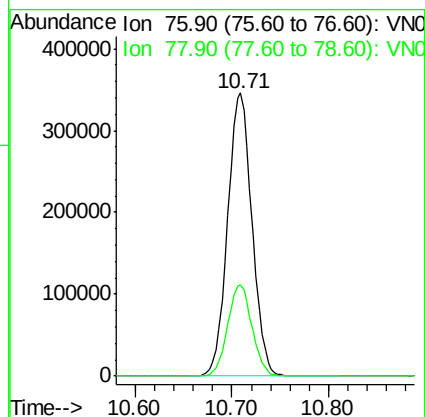
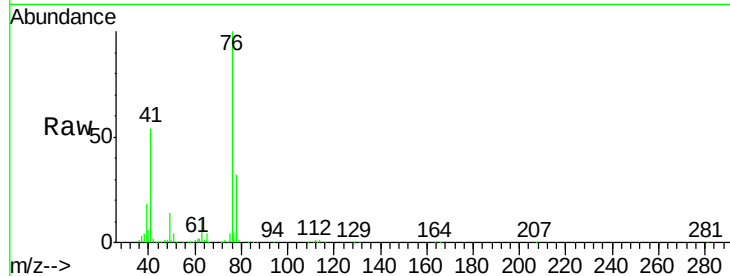
SA-TW521-2327MS

Tot Ion: 76 Resp: 603441

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



#59

2-Hexanone

Concen: 301.398 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN053481.D

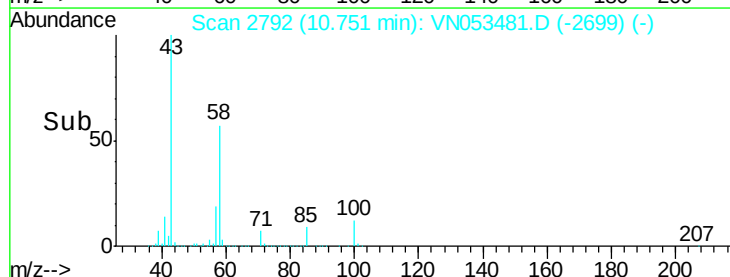
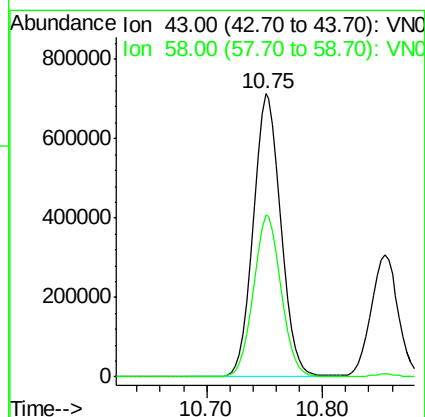
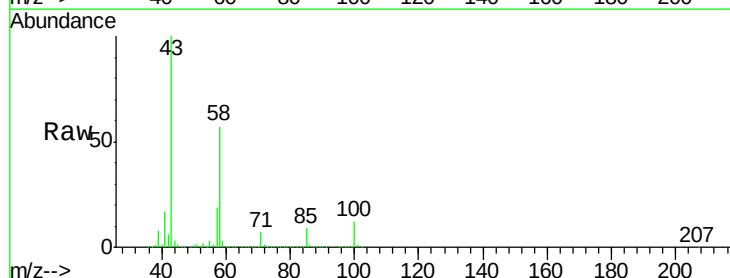
Acq: 18 Jan 2019 19:17

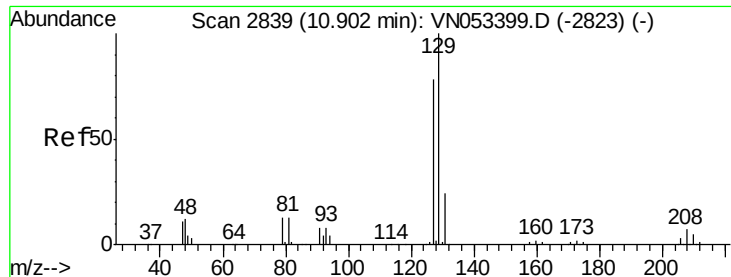
Tgt Ion: 43 Resp: 1187538

Ion Ratio Lower Upper

43 100

58 57.3 28.6 85.8





#60

Dibromochloromethane

Concen: 54.046 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

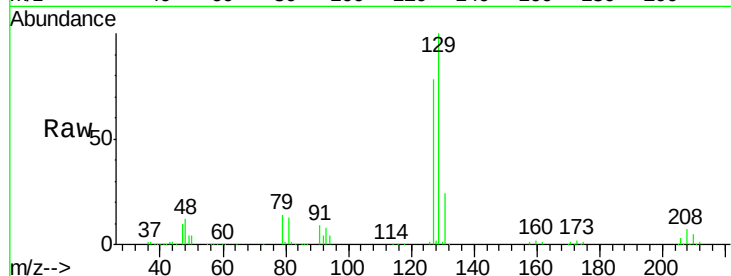
SA-TW521-2327MS

Tot Ion:129 Resp: 396268

Ion Ratio Lower Upper

129 100

127 77.6 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

250000

200000

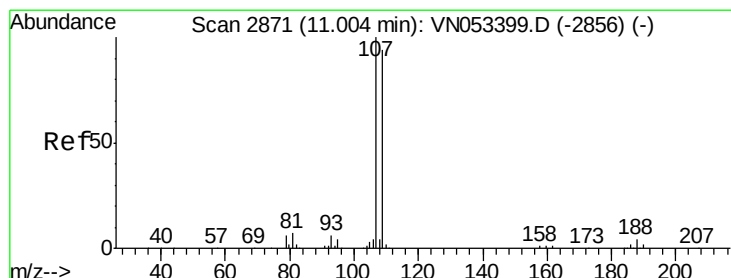
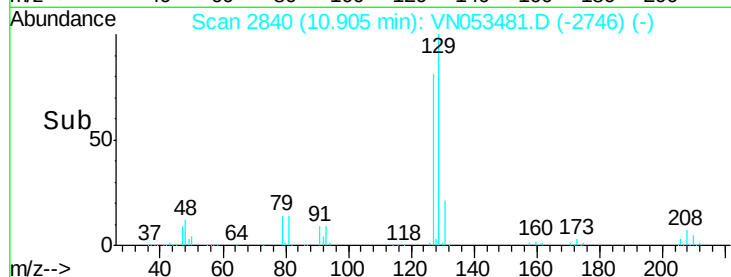
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 54.464 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053481.D

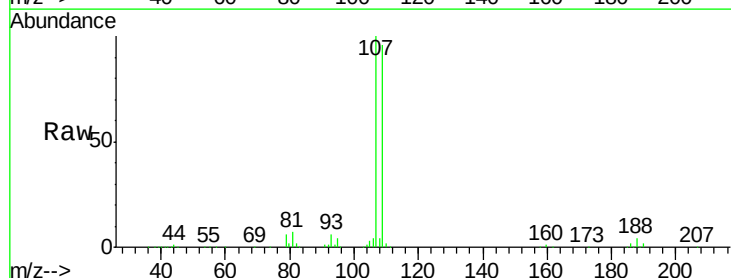
Acq: 18 Jan 2019 19:17

Tgt Ion:107 Resp: 356074

Ion Ratio Lower Upper

107 100

109 94.9 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

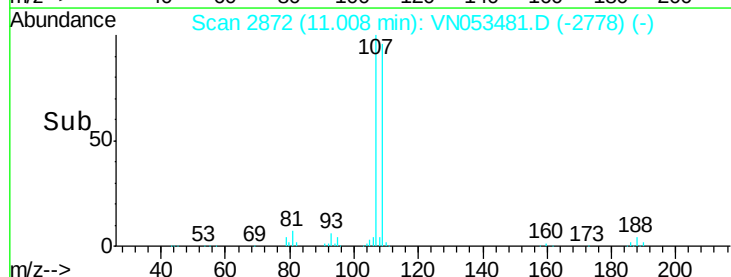
150000

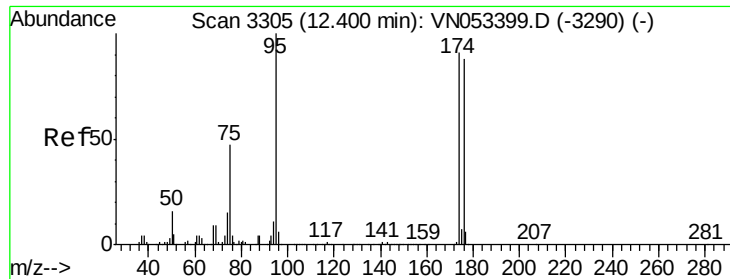
100000

50000

0

Time--> 10.90 11.00 11.10

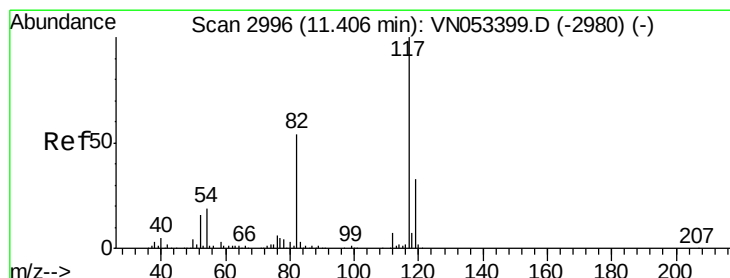
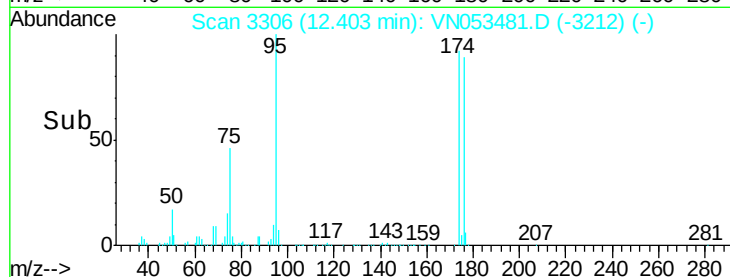
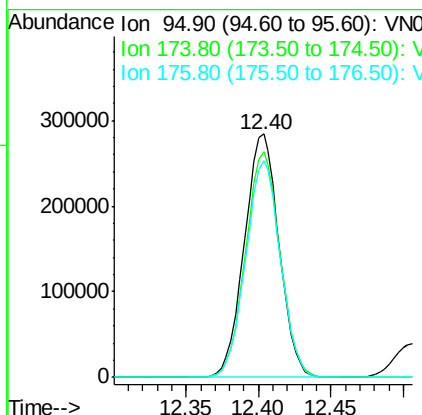
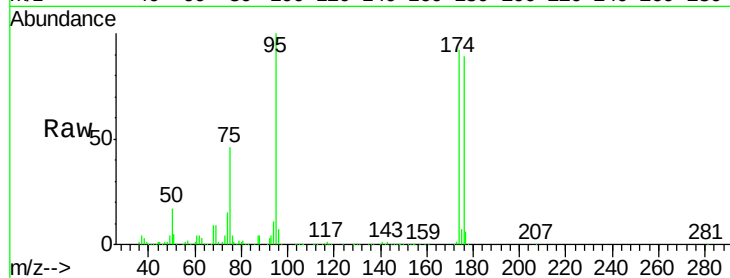




#62
 4-Bromofluorobenzene
 Concen: 54.464 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

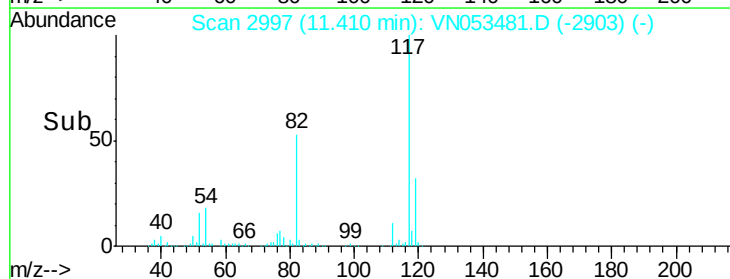
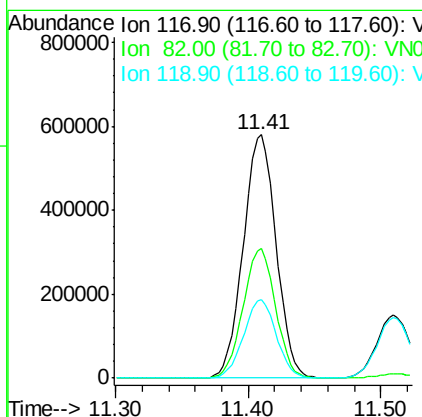
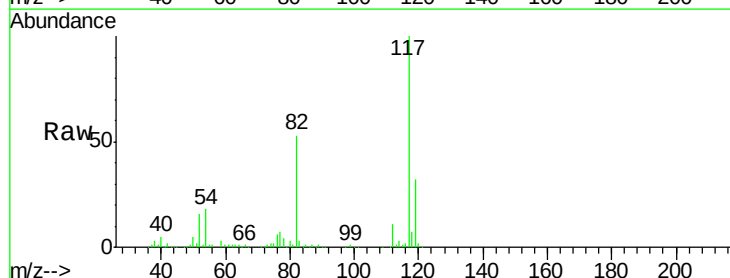
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MS

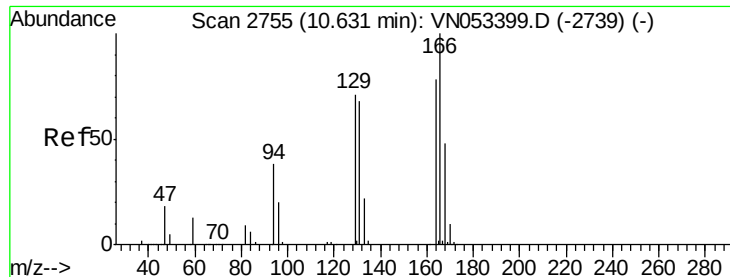
Tot Ion: 95 Resp: 471124
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 183.2
 176 89.4 0.0 177.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

Tgt Ion: 117 Resp: 998360
 Ion Ratio Lower Upper
 117 100
 82 53.1 42.9 64.3
 119 32.2 26.0 39.0





#64

Tetrachloroethene

Concen: 47.351 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

Tot Ion:164 Resp: 445497

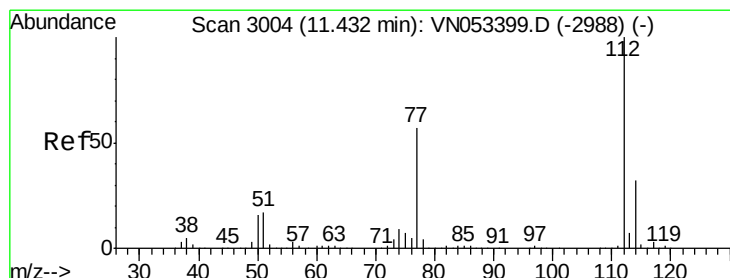
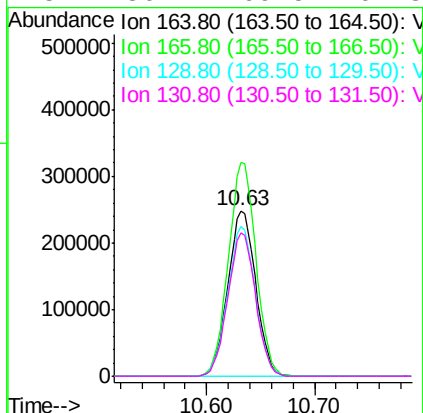
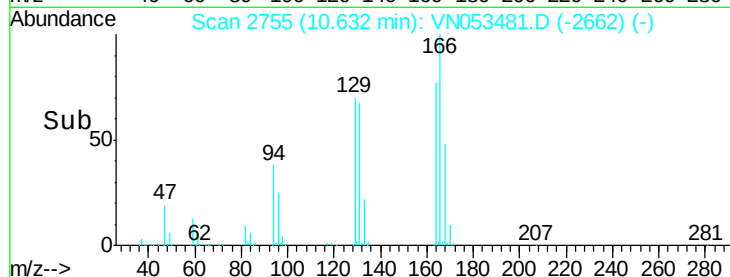
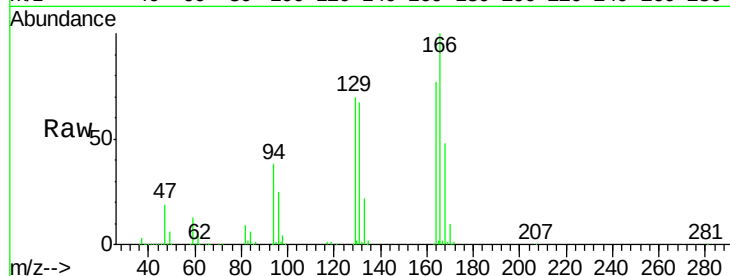
Ion Ratio Lower Upper

164 100

166 129.2 102.2 153.4

129 90.7 72.6 109.0

131 86.7 69.5 104.3



#65

Chlorobenzene

Concen: 50.149 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053481.D

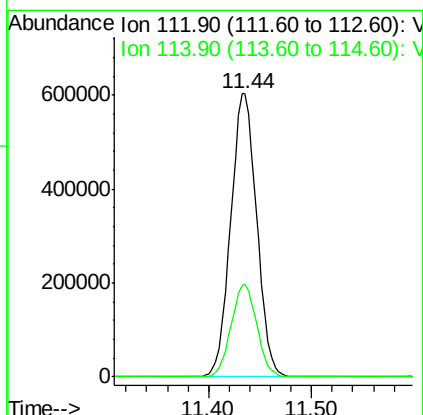
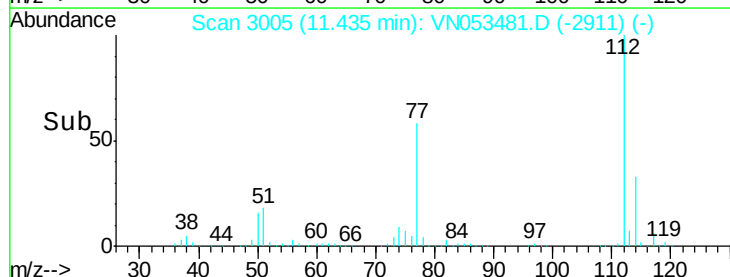
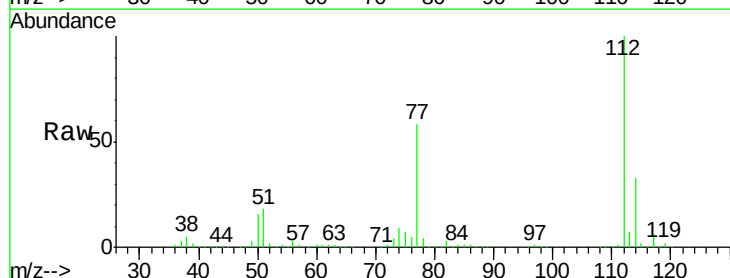
Acq: 18 Jan 2019 19:17

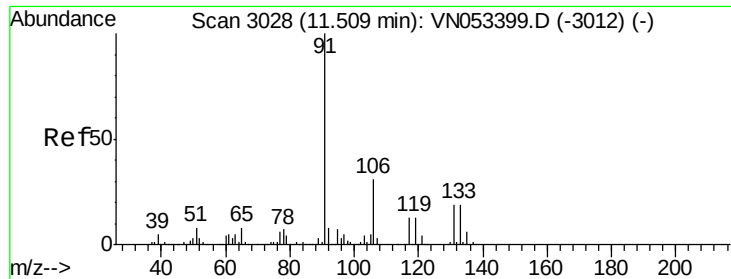
Tgt Ion:112 Resp: 1059742

Ion Ratio Lower Upper

112 100

114 32.5 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 51.539 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

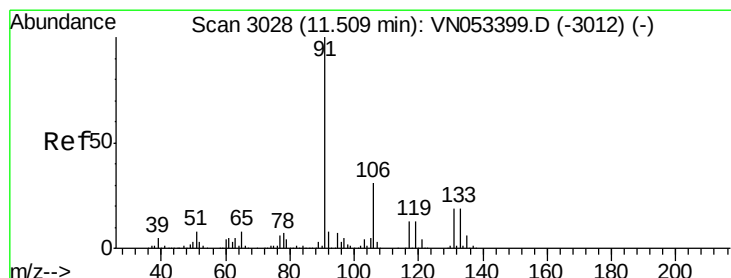
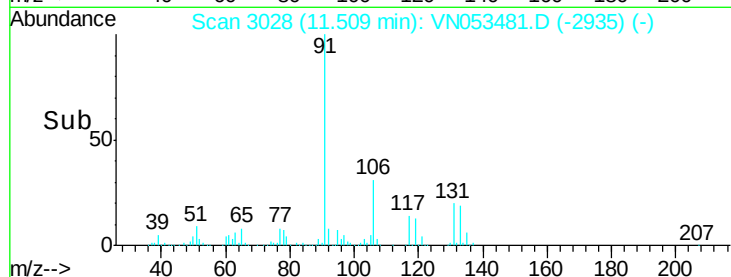
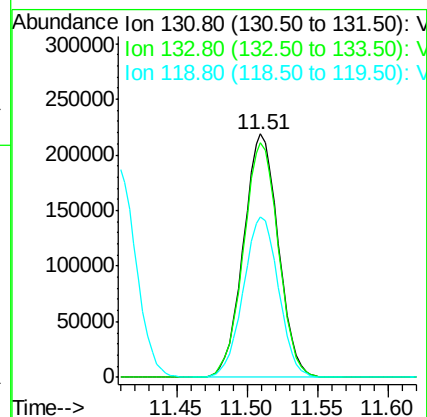
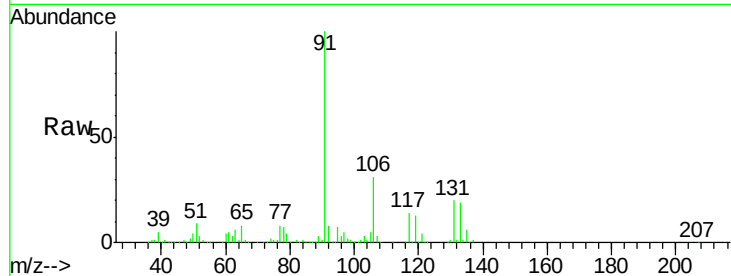
Tot Ion:131 Resp: 378890

Ion Ratio Lower Upper

131 100

133 96.7 48.0 144.0

119 66.7 33.5 100.5



#67

Ethyl Benzene

Concen: 51.030 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053481.D

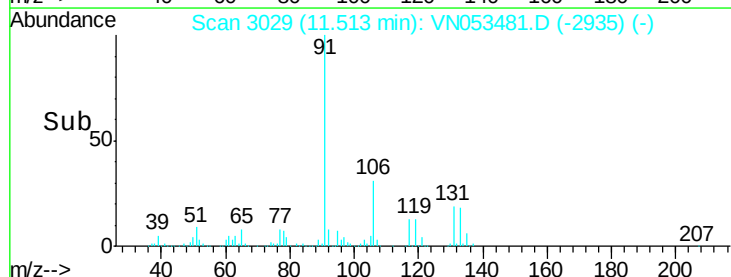
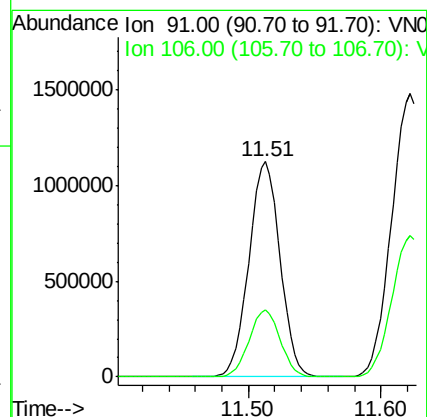
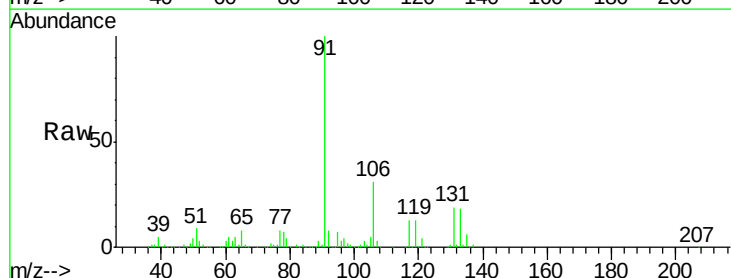
Acq: 18 Jan 2019 19:17

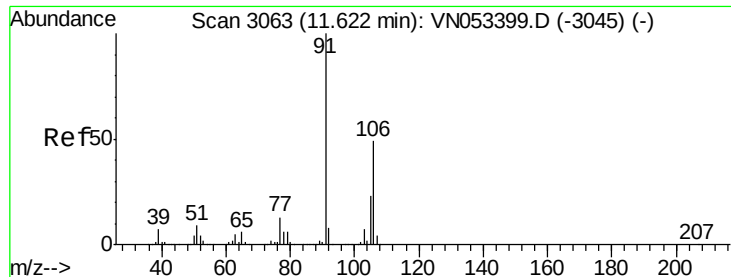
Tgt Ion: 91 Resp: 1837807

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.6

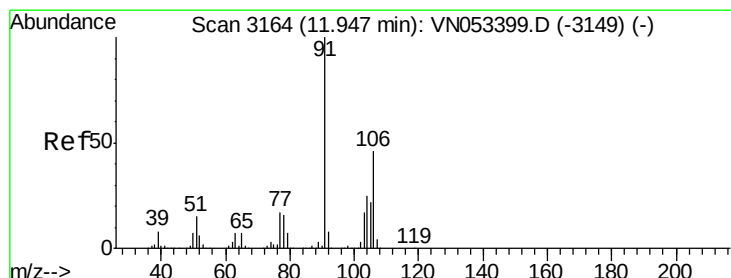
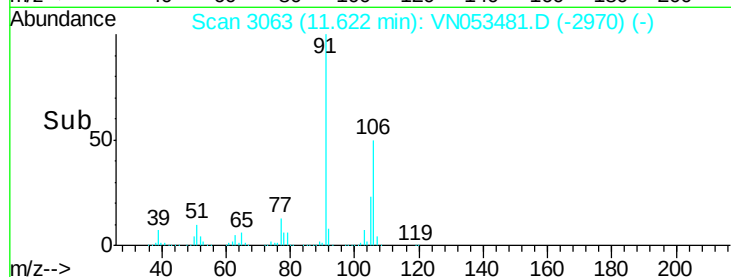
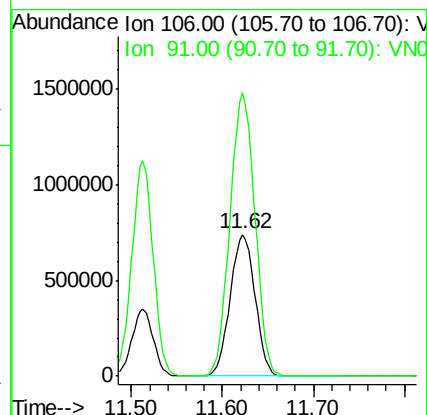
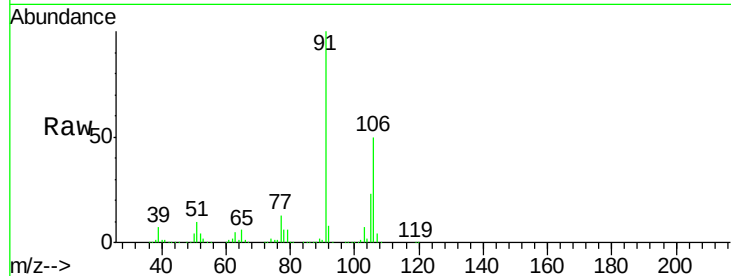




#68
m/p-Xylenes
Concen: 103.330 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

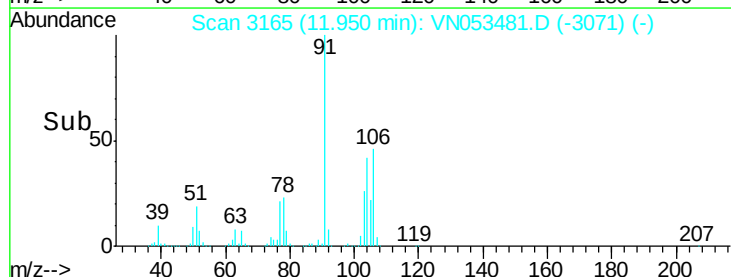
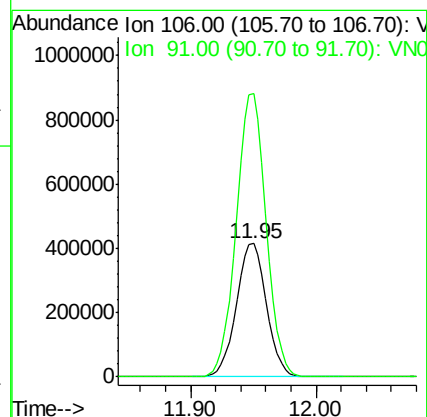
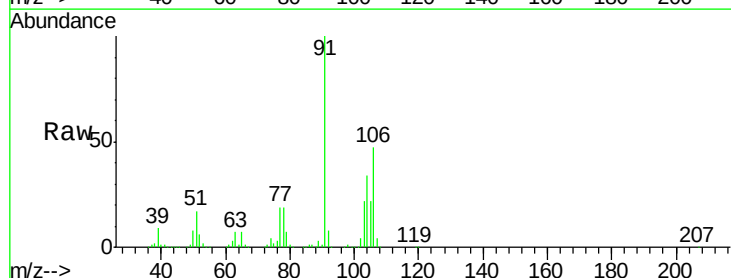
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MS

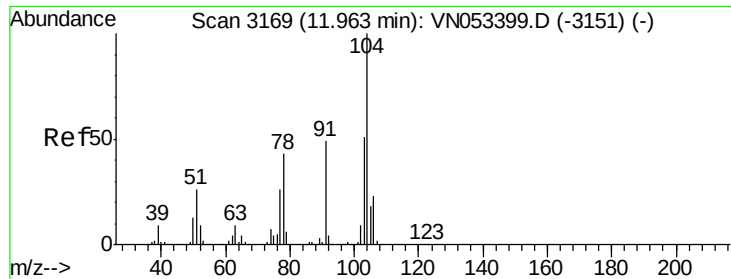
Tot Ion:106 Resp: 1405005
Ion Ratio Lower Upper
106 100
91 201.0 161.4 242.2



#69
o-Xylene
Concen: 52.175 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion:106 Resp: 689357
Ion Ratio Lower Upper
106 100
91 211.1 106.9 320.8

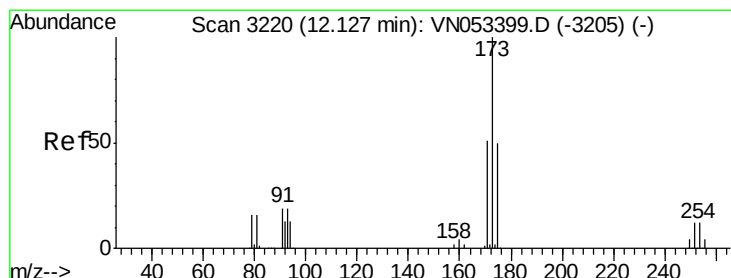
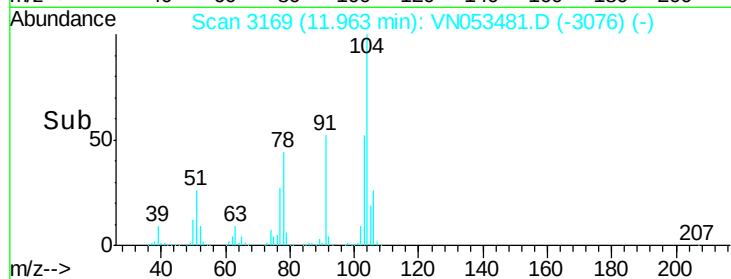
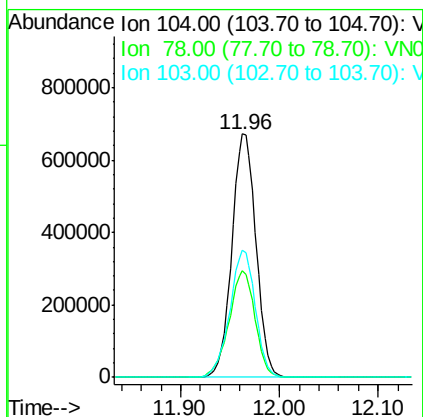
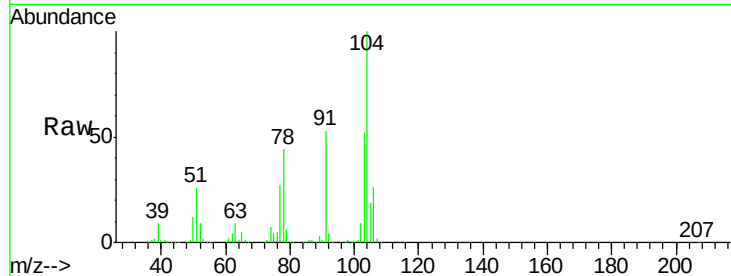




#70
Stvrene
Concen: 53.353 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

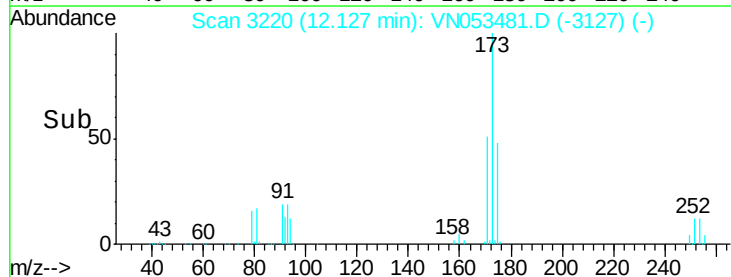
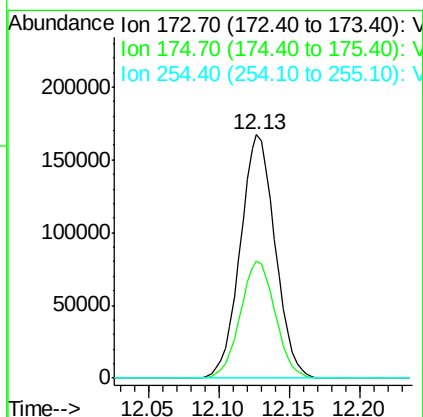
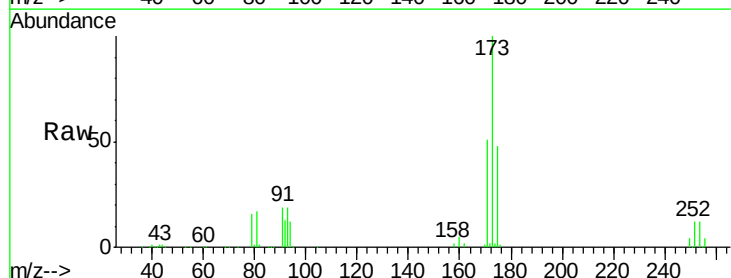
Instrument :
MSVOA_N
ClientSampleId :
SA-TW521-2327MS

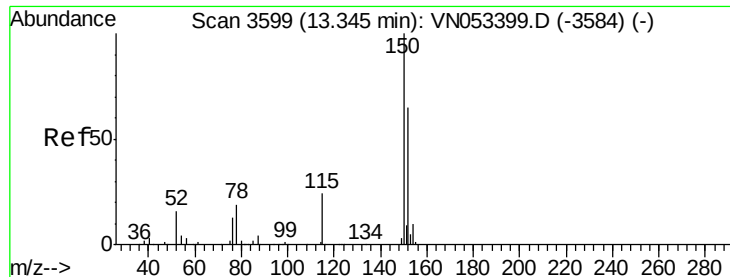
Tot Ion:104 Resp: 1144061
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.5 44.4 66.6



#71
Bromoform
Concen: 57.170 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053481.D
Acq: 18 Jan 2019 19:17

Tgt Ion:173 Resp: 289340
Ion Ratio Lower Upper
173 100
175 48.2 24.6 74.0
254 0.2 0.2 0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

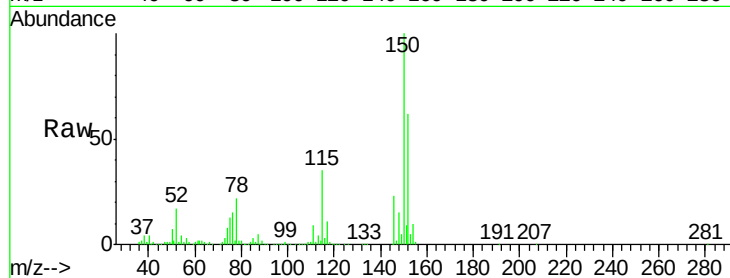
Tot Ion:152 Resp: 507686

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.4

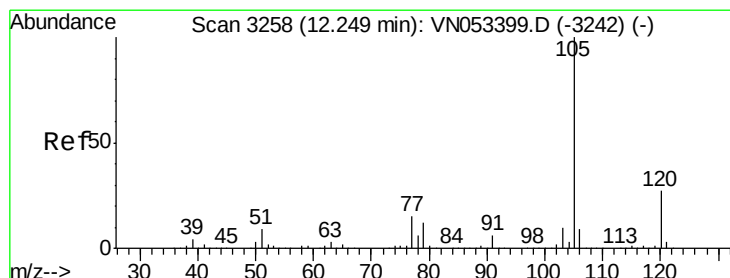
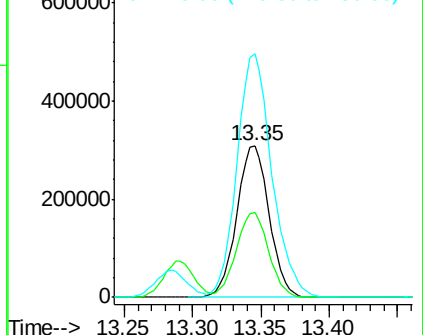
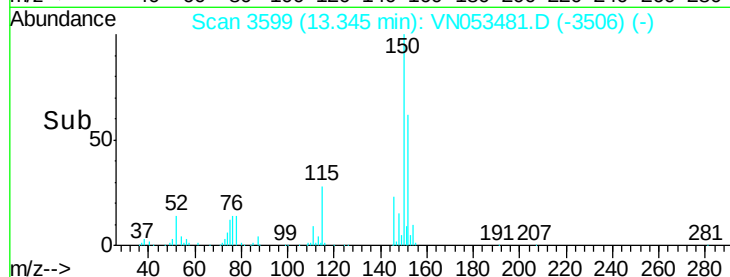
150 173.8 0.0 349.0



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: 48.847 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053481.D

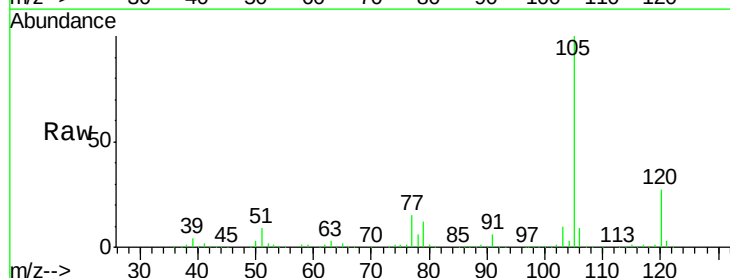
Acq: 18 Jan 2019 19:17

Tgt Ion:105 Resp: 1816056

Ion Ratio Lower Upper

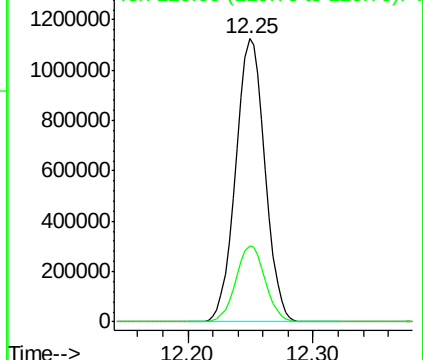
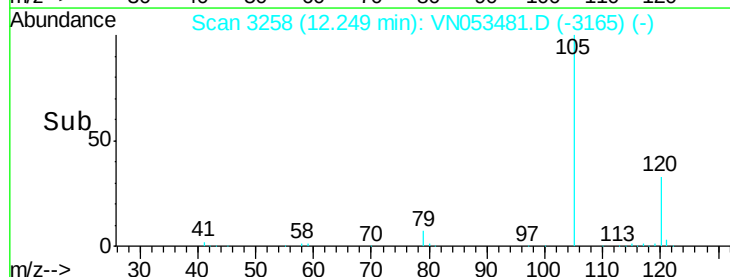
105 100

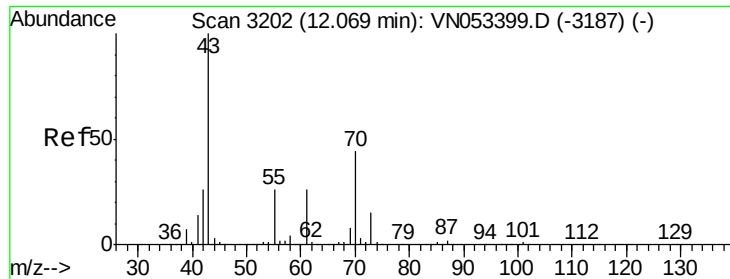
120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 54.402 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

Tot Ion: 43 Resp: 539168

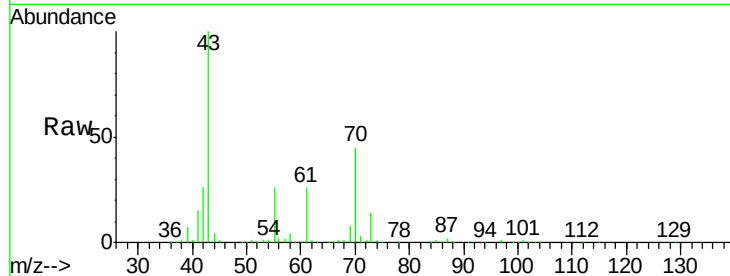
Ion Ratio Lower Upper

43 100

70 45.0 35.4 53.2

55 25.6 20.9 31.3

61 25.8 20.5 30.7

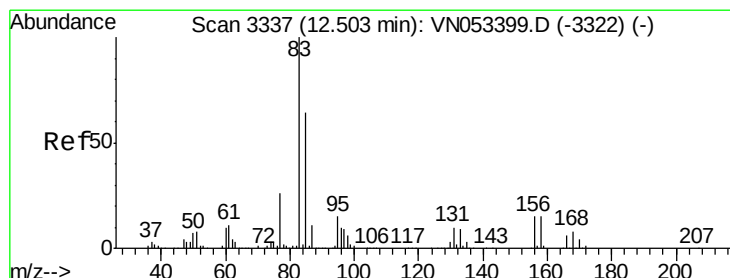
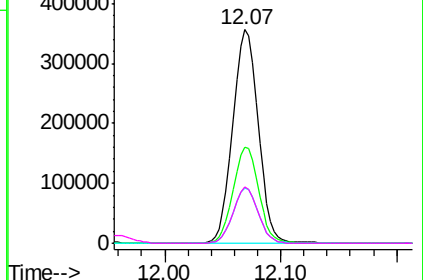
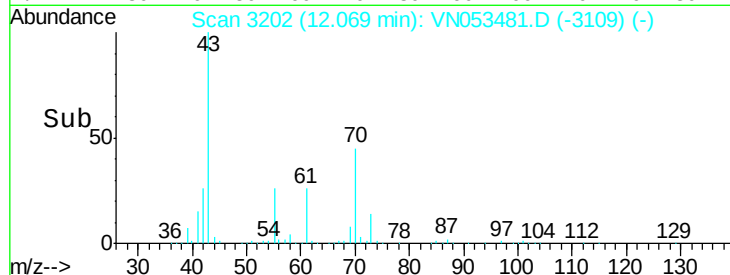


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 54.869 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

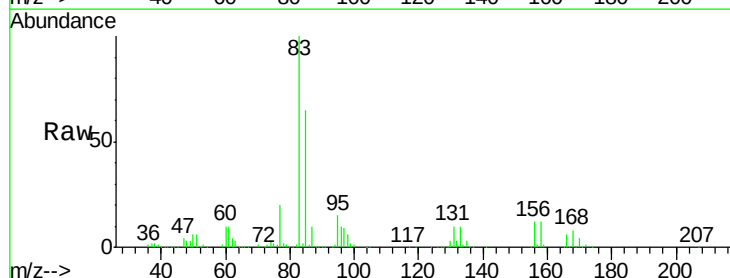
Tgt Ion: 83 Resp: 427832

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

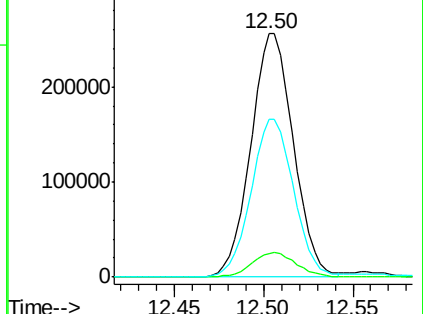
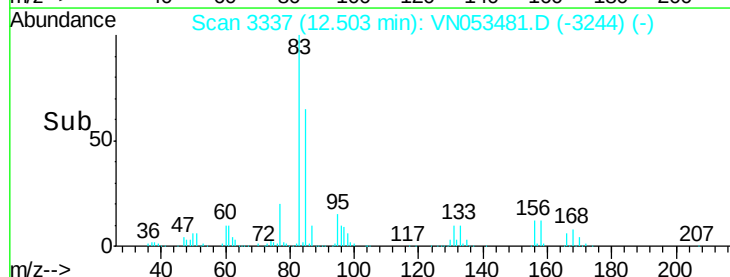
85 64.6 32.1 96.3

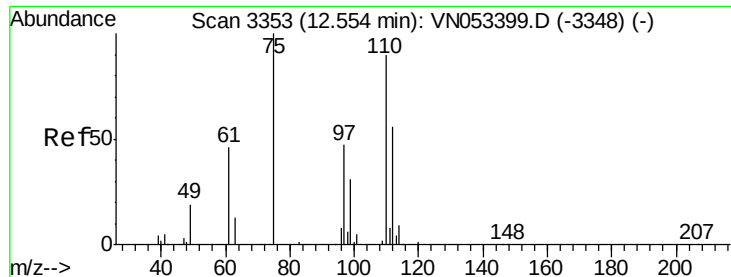


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 85.395 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

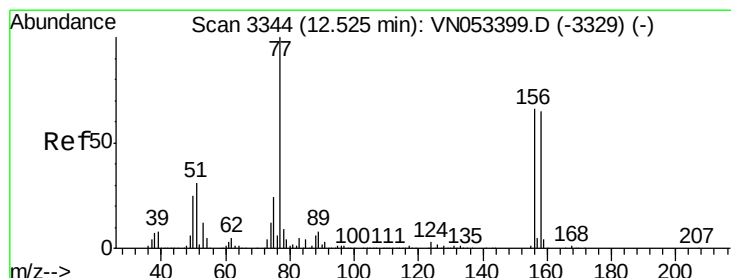
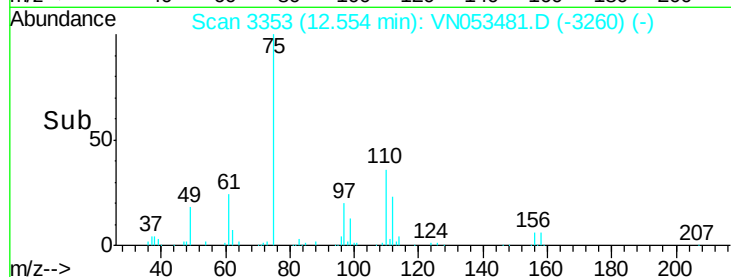
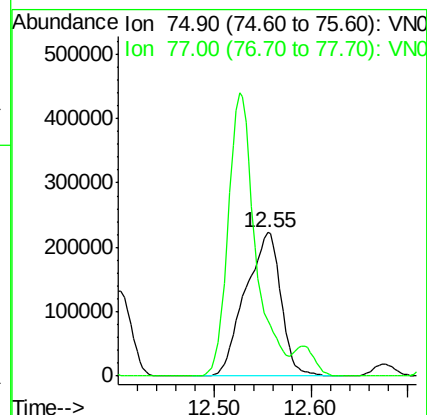
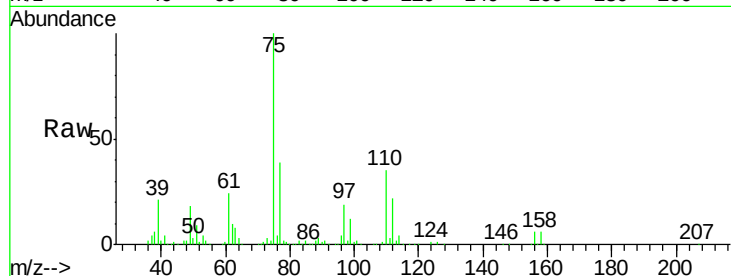
SA-TW521-2327MS

Tot Ion: 75 Resp: 571320

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 49.888 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

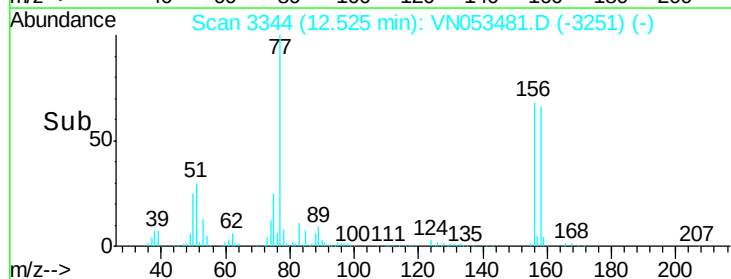
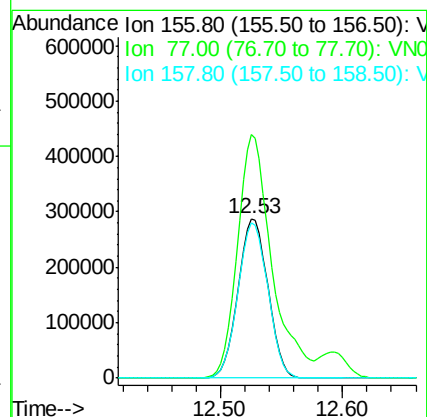
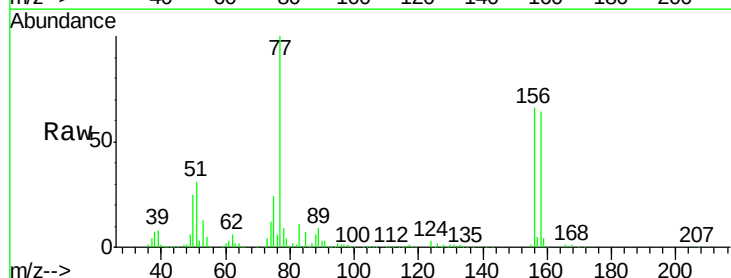
Tgt Ion: 156 Resp: 488727

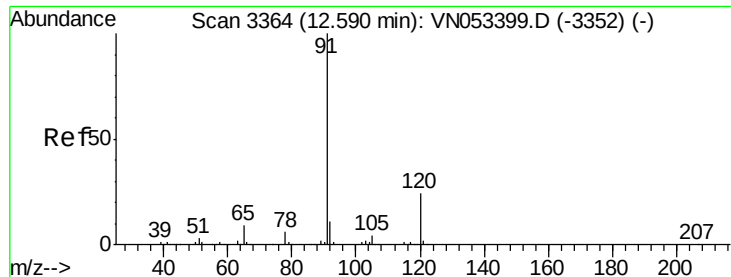
Ion Ratio Lower Upper

156 100

77 176.8 87.9 263.8

158 97.5 48.8 146.4





#78

n-propylbenzene

Concen: 49.199 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

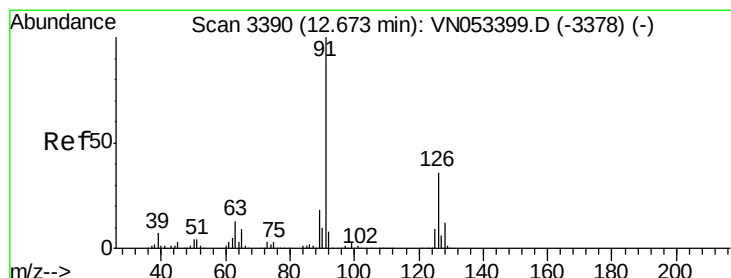
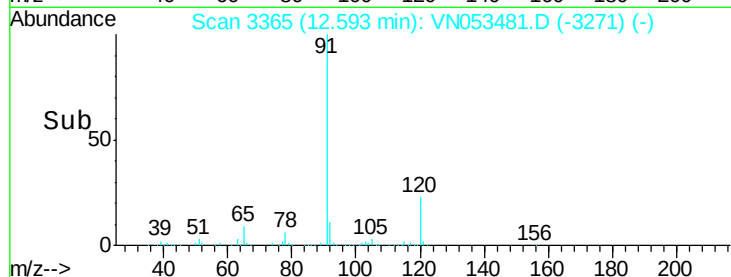
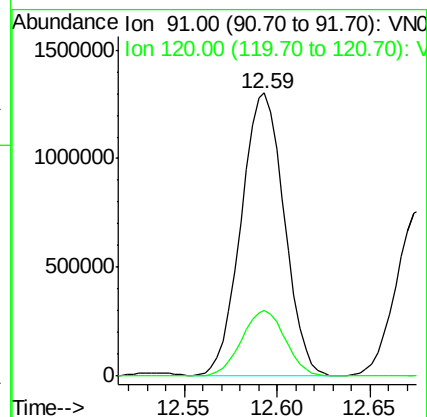
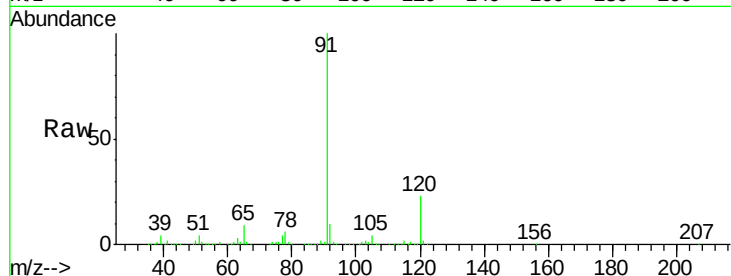
SA-TW521-2327MS

Tot Ion: 91 Resp: 2099616

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.5



#79

2-Chlorotoluene

Concen: 48.814 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053481.D

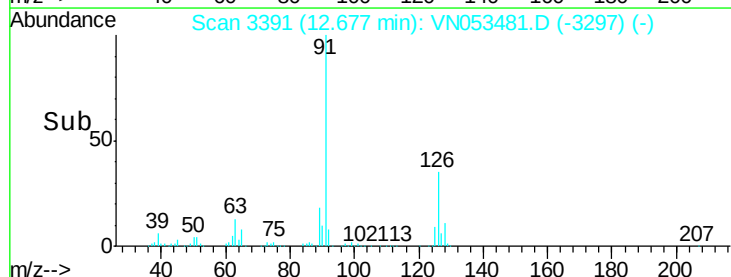
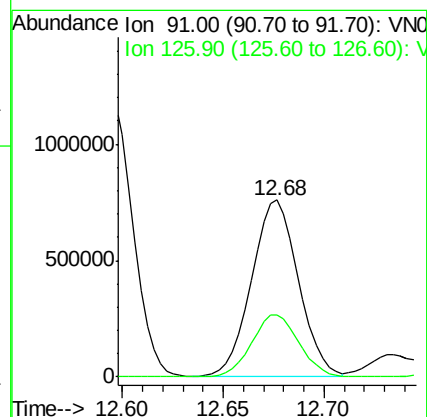
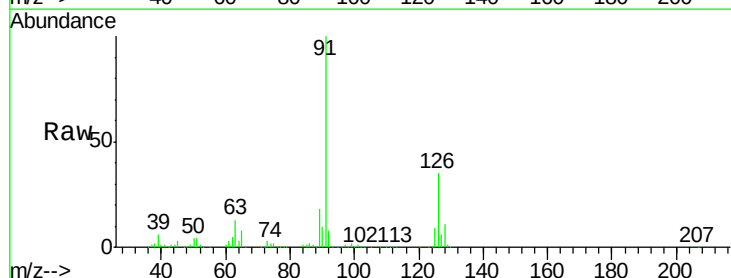
Acq: 18 Jan 2019 19:17

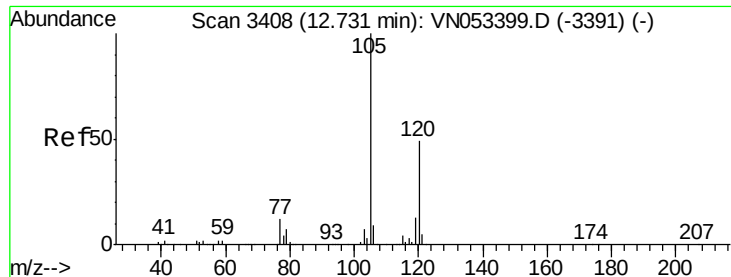
Tgt Ion: 91 Resp: 1234806

Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7





#80

1,3,5-Trimethylbenzene

Concen: 50.257 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

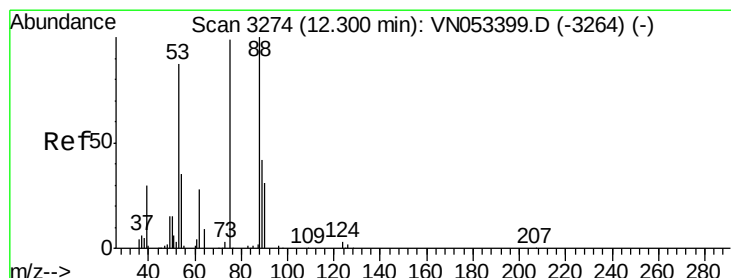
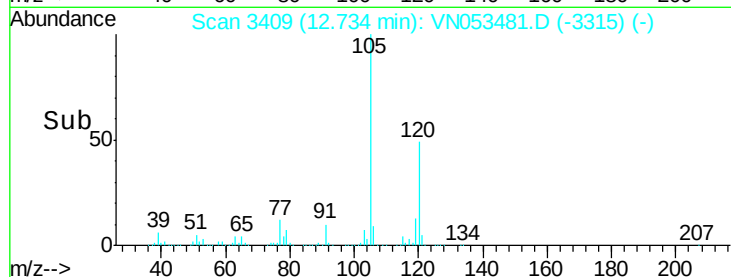
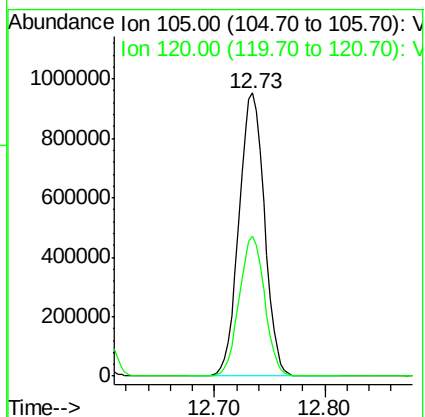
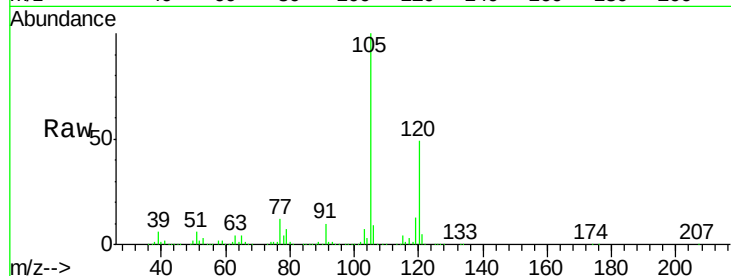
SA-TW521-2327MS

Tot Ion:105 Resp: 1520230

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 49.234 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

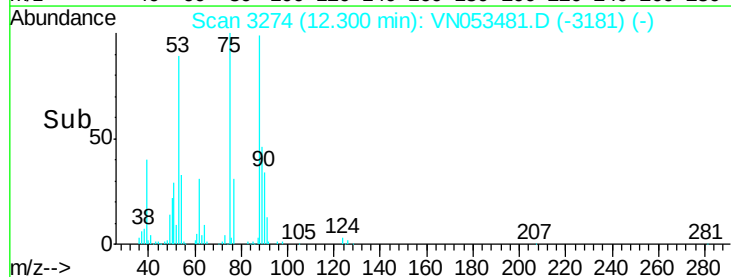
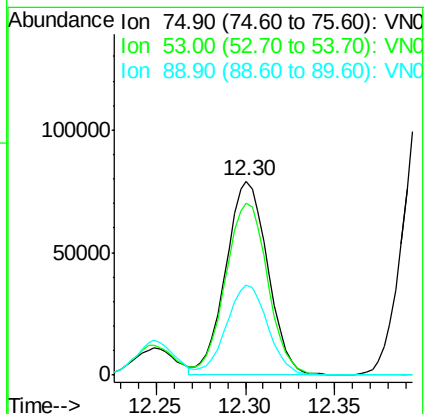
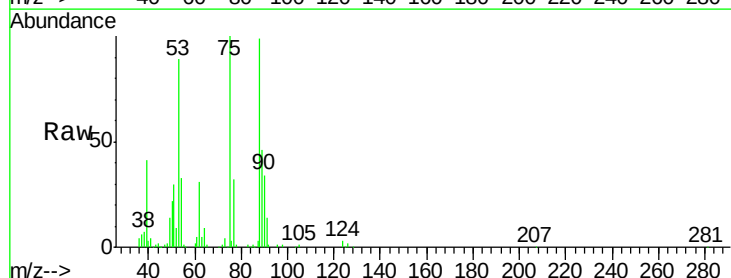
Tgt Ion: 75 Resp: 130047

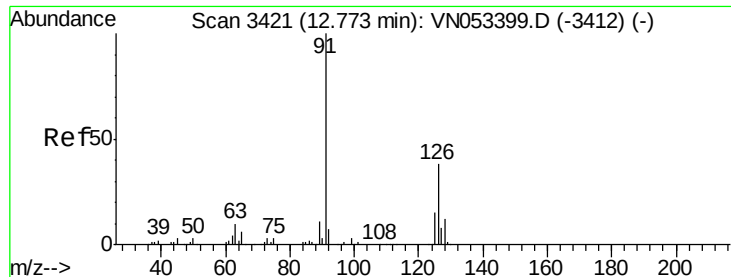
Ion Ratio Lower Upper

75 100

53 88.1 69.8 104.6

89 45.4 35.6 53.4





#82

4-Chlorotoluene

Concen: 49.292 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

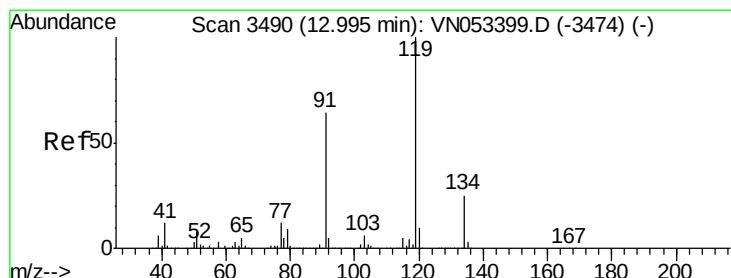
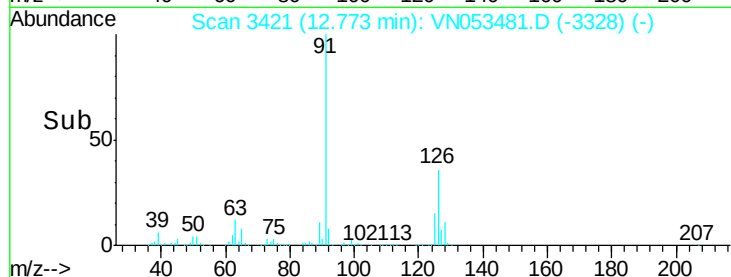
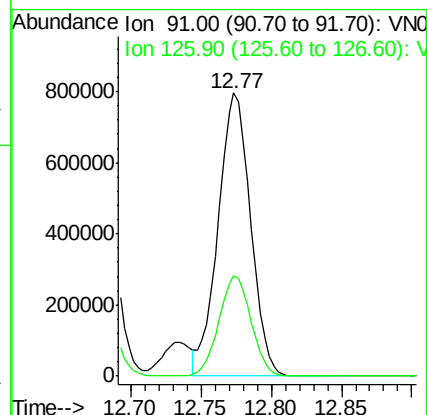
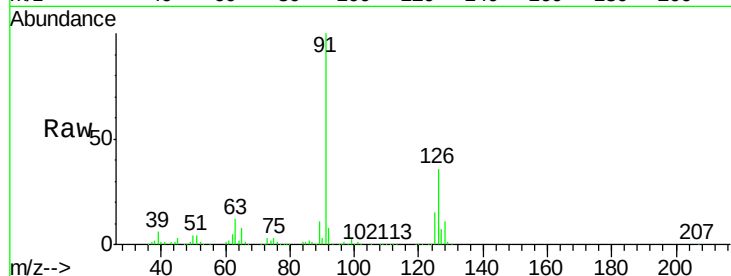
SA-TW521-2327MS

Tot Ion: 91 Resp: 1271557

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.9



#83

tert-Butylbenzene

Concen: 49.829 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

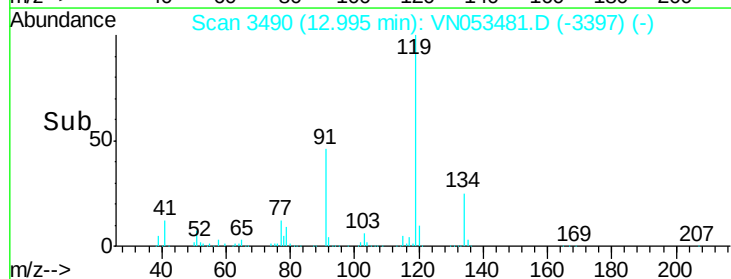
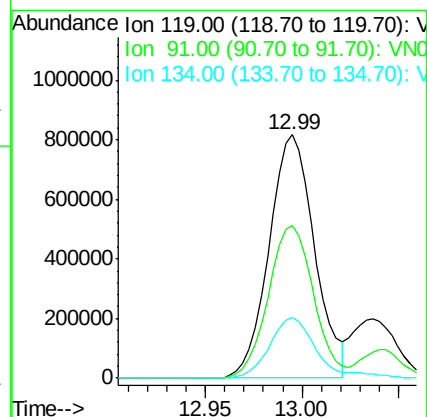
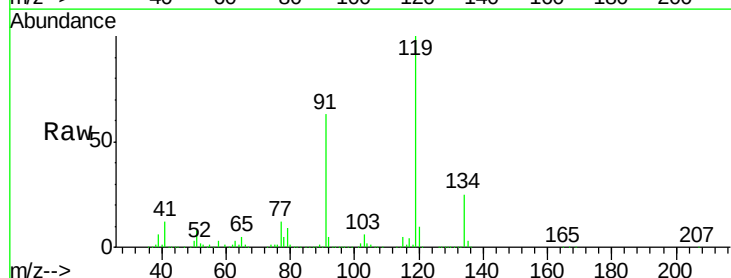
Tgt Ion: 119 Resp: 1331261

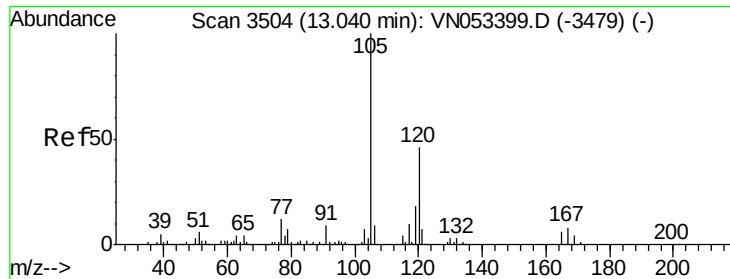
Ion Ratio Lower Upper

119 100

91 62.7 31.3 93.8

134 25.8 12.9 38.7

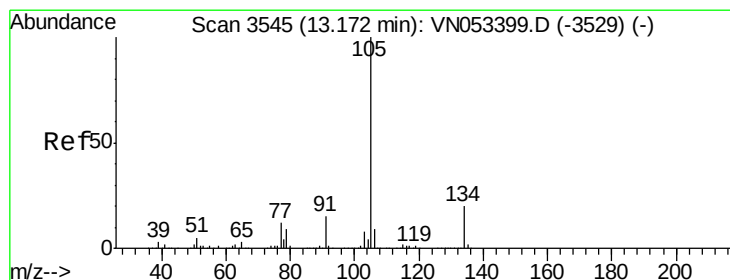
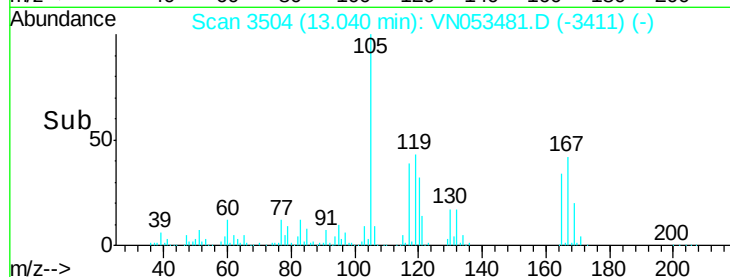
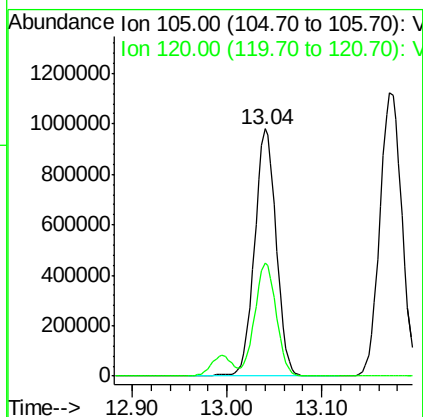
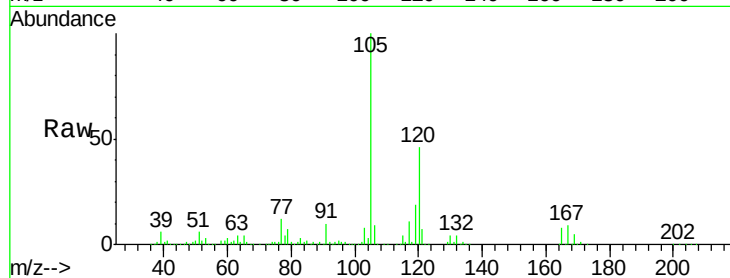




#84
 1,2,4-Trimethylbenzene
 Concen: 50.878 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

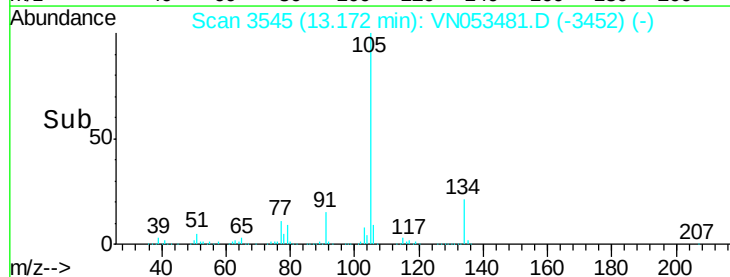
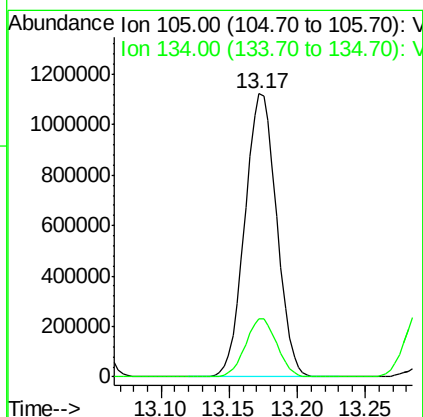
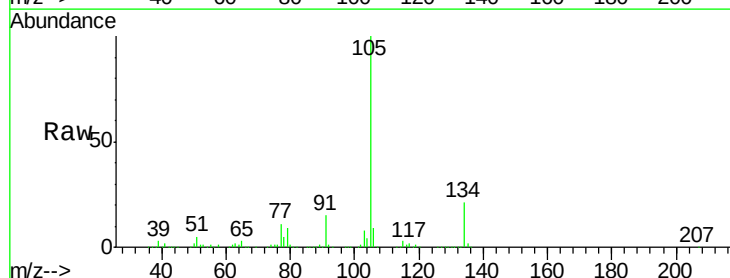
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW521-2327MS

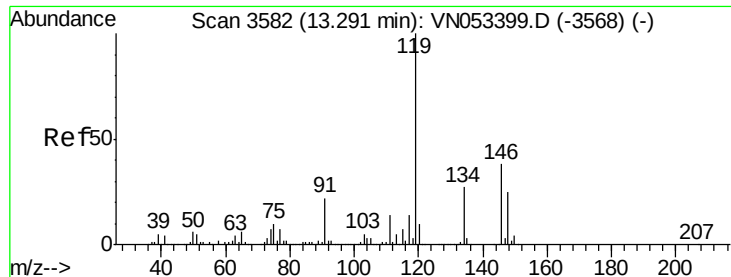
Tot Ion:105 Resp: 1551804
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 49.434 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053481.D
 Acq: 18 Jan 2019 19:17

Tgt Ion:105 Resp: 1811296
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.6





#86

p-Isopropyltoluene

Concen: 49.822 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

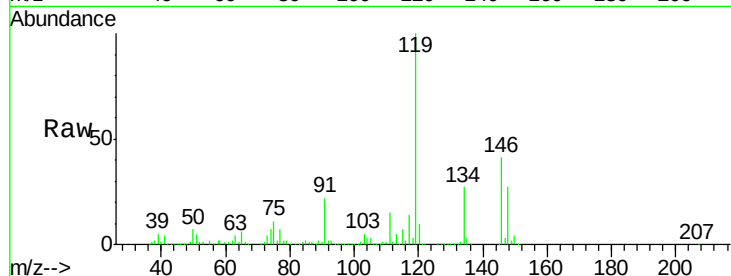
Tot Ion:119 Resp: 1585050

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

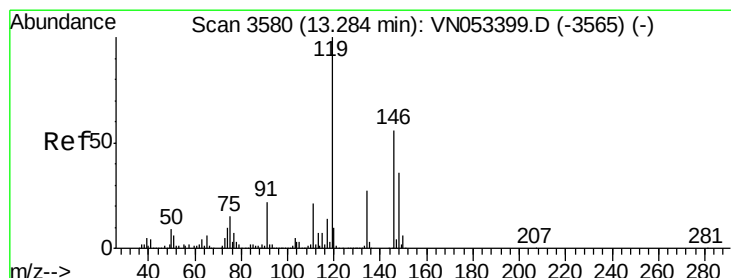
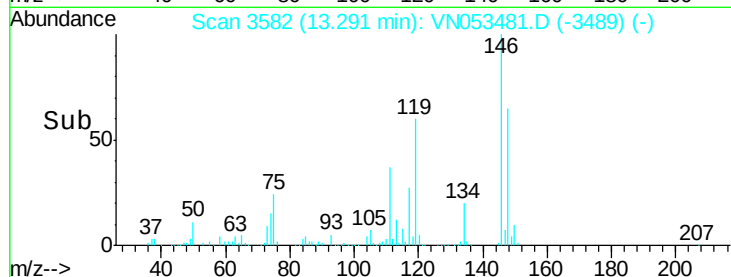
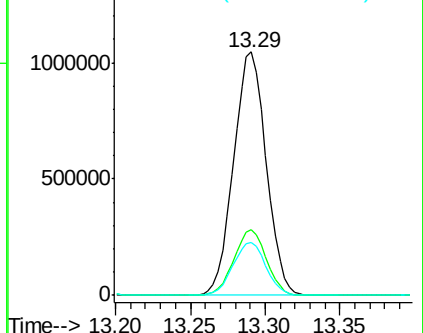
91 22.1 11.0 33.0



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: 50.320 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

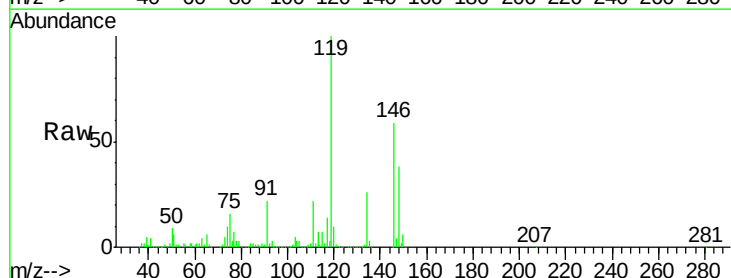
Tgt Ion:146 Resp: 867136

Ion Ratio Lower Upper

146 100

111 37.7 18.8 56.3

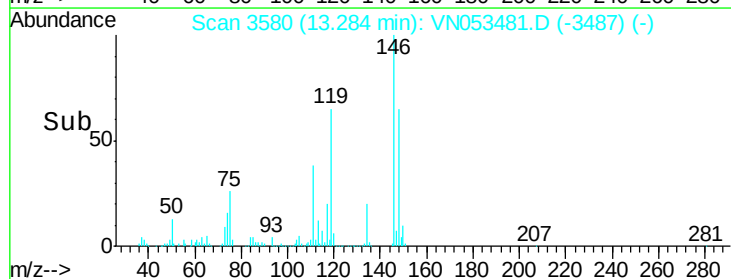
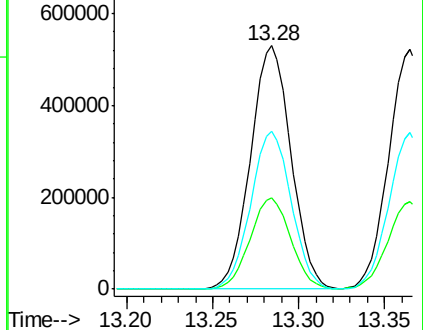
148 64.6 32.0 96.2

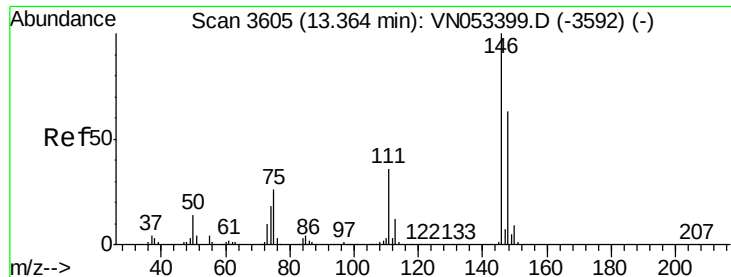


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 49.689 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

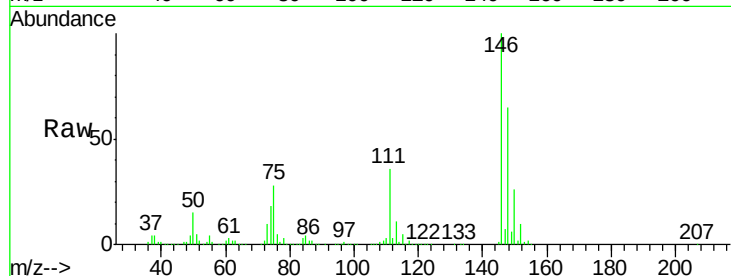
Tot Ion:146 Resp: 858910

Ion Ratio Lower Upper

146 100

111 36.5 18.6 55.8

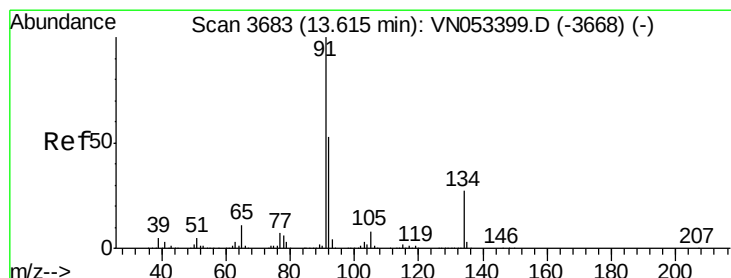
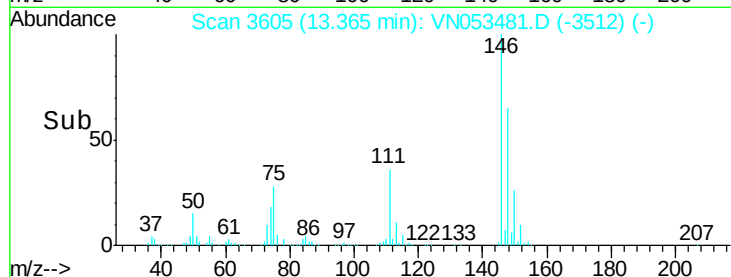
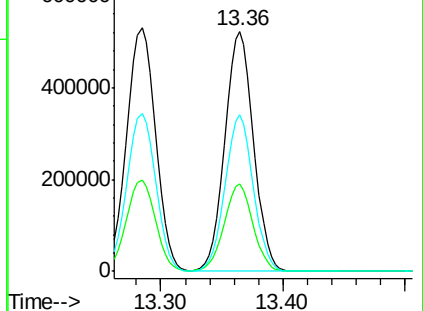
148 64.1 32.4 97.0



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: 48.932 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

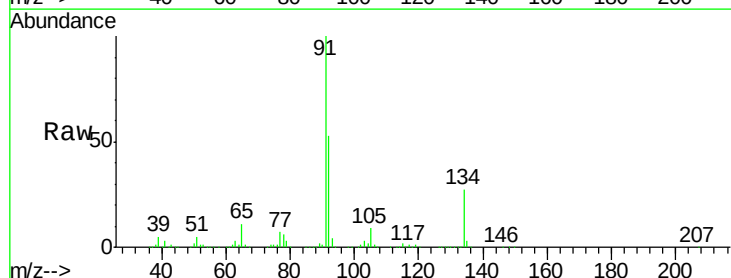
Tgt Ion: 91 Resp: 1326970

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.8

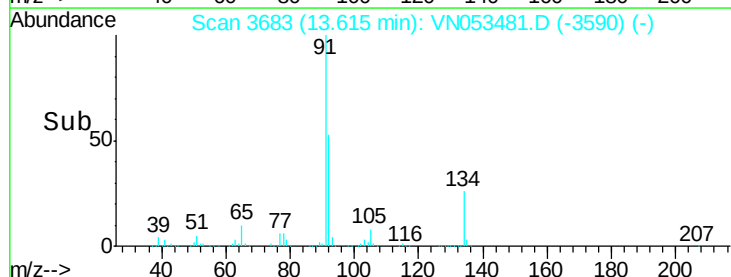
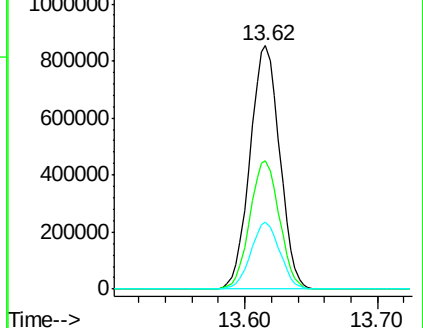
134 26.9 13.5 40.5

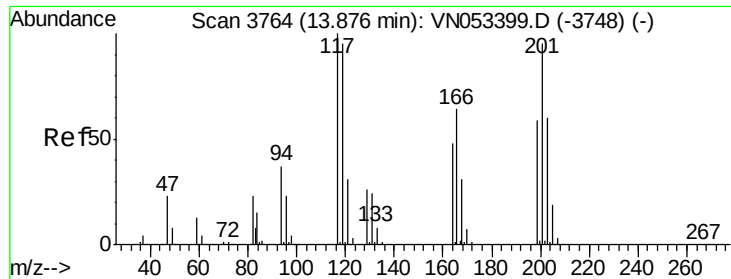


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 51.688 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

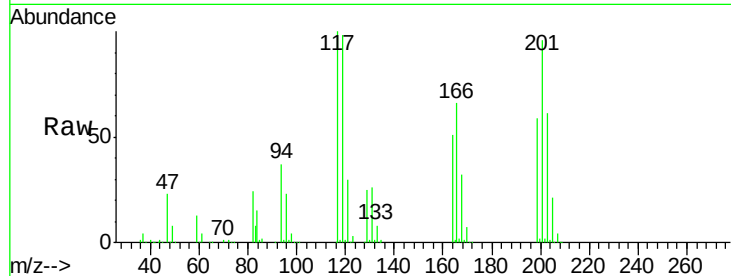
SA-TW521-2327MS

Tot Ion:117 Resp: 257903

Ion Ratio Lower Upper

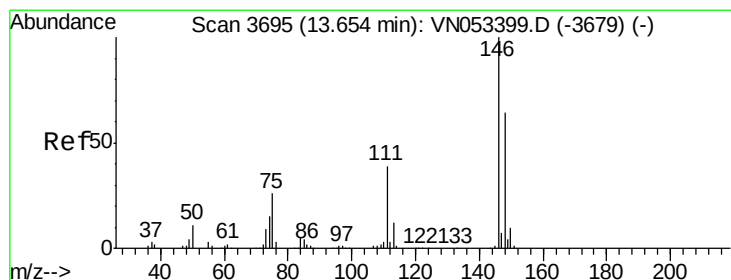
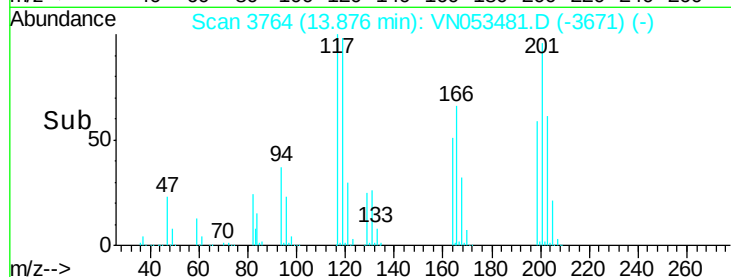
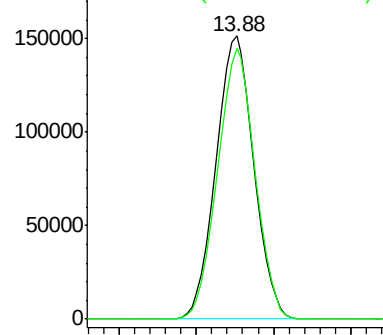
117 100

201 94.4 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 53.355 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

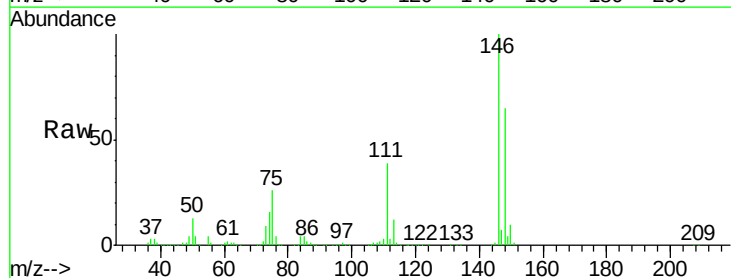
Tgt Ion:146 Resp: 845891

Ion Ratio Lower Upper

146 100

111 38.5 19.5 58.5

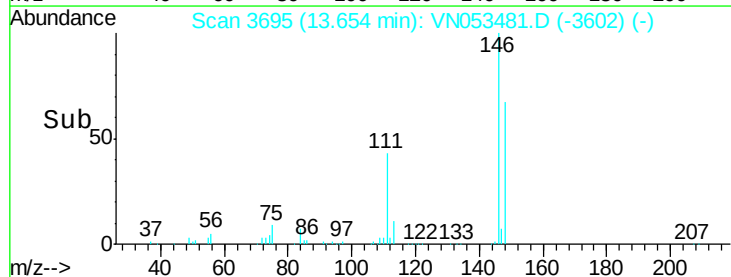
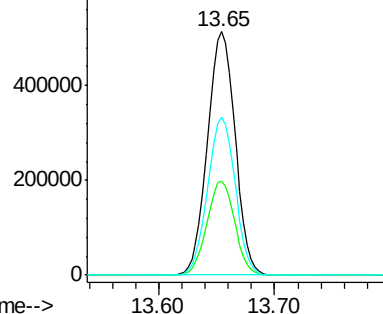
148 64.7 31.9 95.9

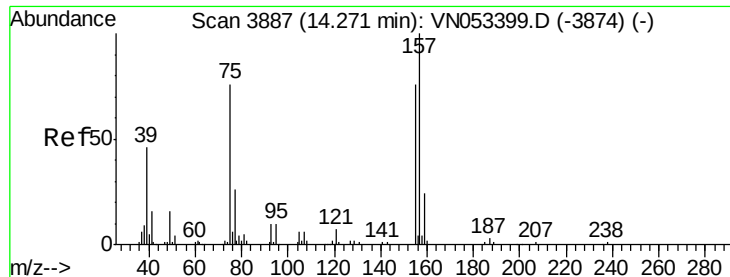


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 67.951 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

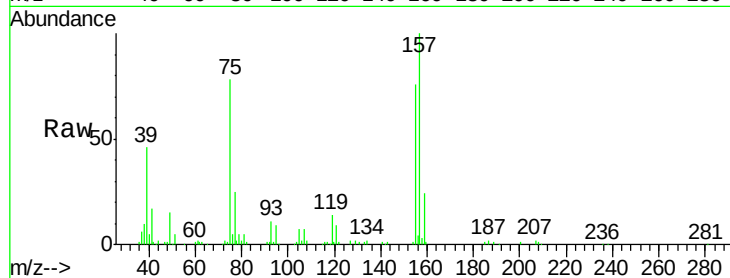
Tot Ion: 75 Resp: 67181

Ion Ratio Lower Upper

75 100

155 99.2 48.9 146.7

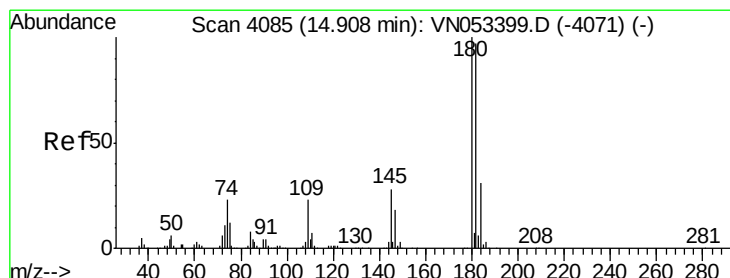
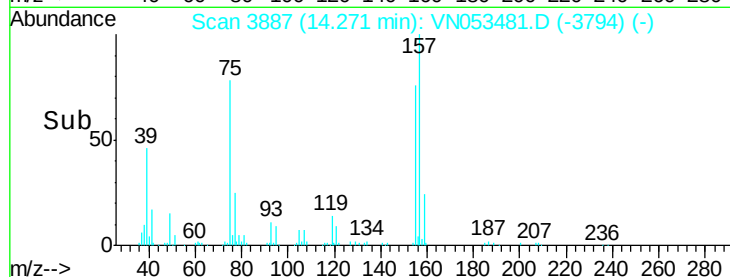
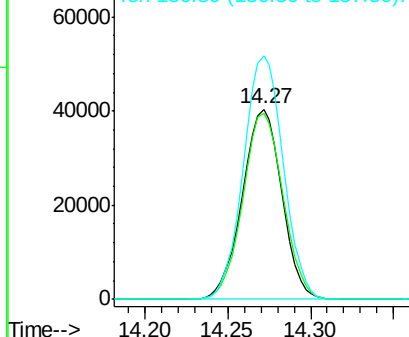
157 129.1 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3874) (-)

Ion 154.80 (154.50 to 155.50): VN053399.D (-3874) (-)

Ion 156.80 (156.50 to 157.50): VN053399.D (-3874) (-)



#93

1,2,4-Trichlorobenzene

Concen: 56.198 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

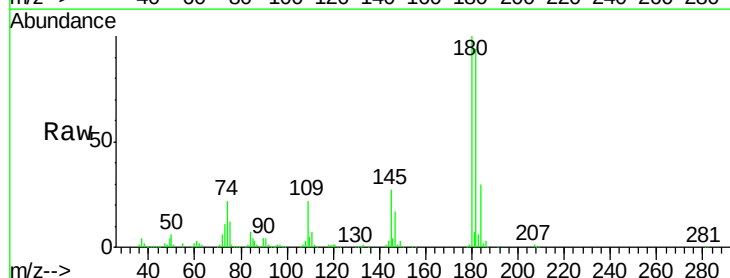
Tgt Ion: 180 Resp: 395649

Ion Ratio Lower Upper

180 100

182 95.0 48.1 144.3

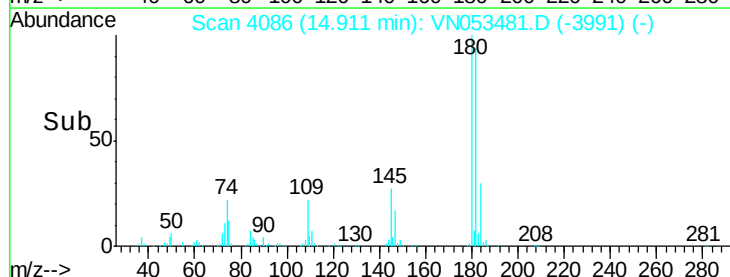
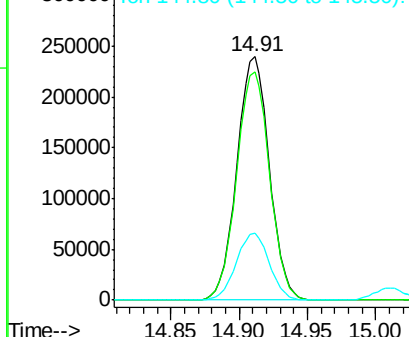
145 27.8 13.9 41.6

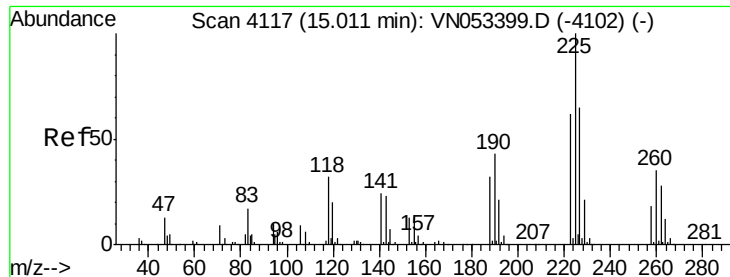


Abundance Ion 179.80 (179.50 to 180.50): VN053399.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053399.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053399.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 51.873 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

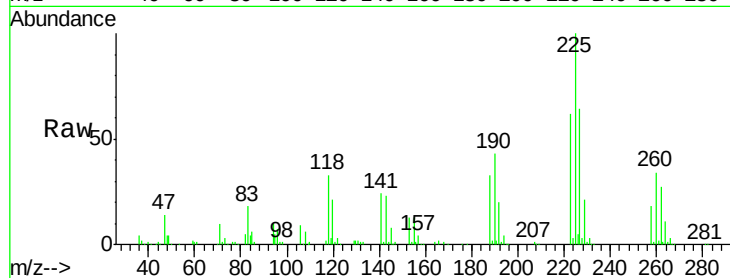
Tot Ion:225 Resp: 256541

Ion Ratio Lower Upper

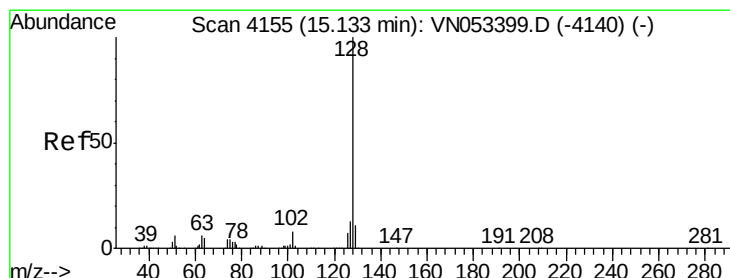
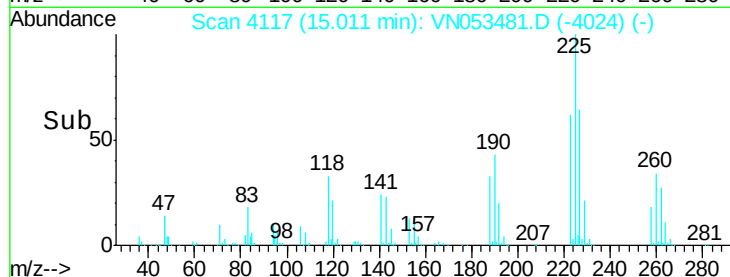
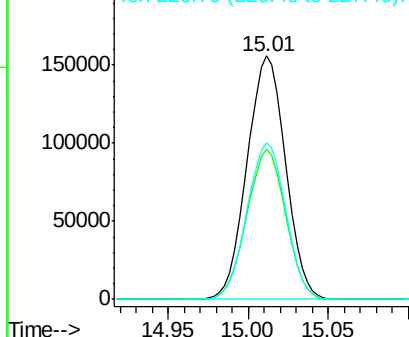
225 100

223 62.1 31.1 93.2

227 64.7 32.0 96.2



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



#95

Naphthalene

Concen: 60.136 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

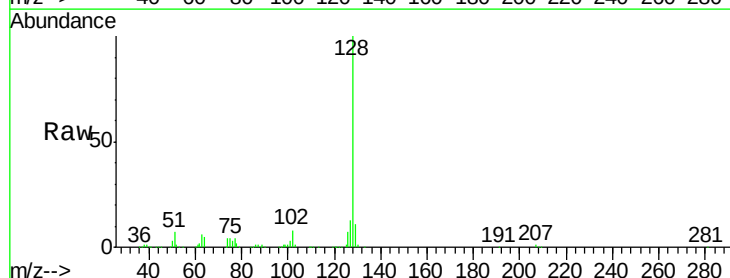
Tgt Ion:128 Resp: 748686

Ion Ratio Lower Upper

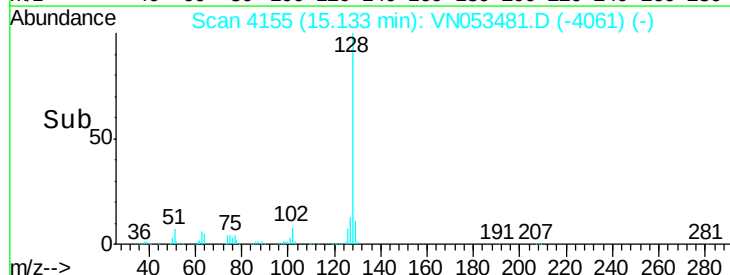
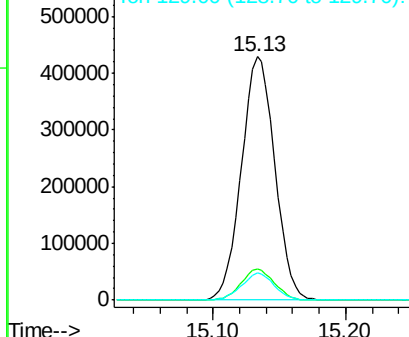
128 100

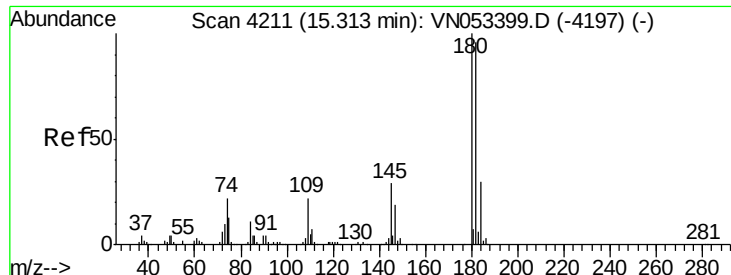
127 12.7 10.3 15.5

129 10.9 8.6 13.0



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: 59.018 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053481.D

Acq: 18 Jan 2019 19:17

Instrument :

MSVOA_N

ClientSampleId :

SA-TW521-2327MS

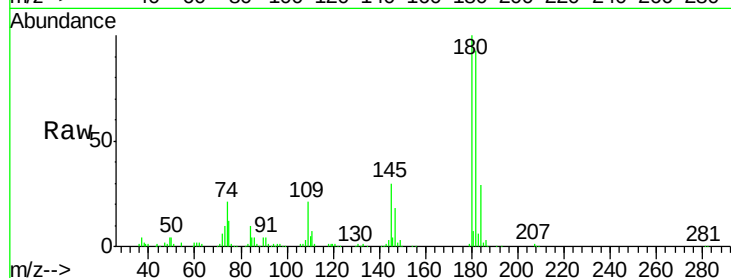
Tot Ion:180 Resp: 305991

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.8

145 29.9 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

