

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012319\
 Data File : VN053526.D
 Acq On : 23 Jan 2019 9:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 24 01:31:09 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	7.66	168	770402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1111765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	997781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	511681	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	356365	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
35) Dibromofluoromethane	7.59	113	318805	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.09	98	1286893	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	12.40	95	455240	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	288904	46.642	ug/l	99
3) Chloromethane	2.06	50	363547	41.051	ug/l	99
4) Vinyl Chloride	2.19	62	379550	44.461	ug/l	100
5) Bromomethane	2.57	94	268516	45.842	ug/l	97
6) Chloroethane	2.71	64	234002	45.338	ug/l	99
7) Trichlorofluoromethane	3.02	101	552077	49.442	ug/l	100
8) Diethyl Ether	3.41	74	204973	48.875	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361428	51.110	ug/l	98
10) Methyl Iodide	3.96	142	503173	46.562	ug/l	100
11) Tert butyl alcohol	4.78	59	114014	305.995	ug/l	99
12) 1,1-Dichloroethene	3.74	96	328398	47.878	ug/l	97
13) Acrolein	3.61	56	181803	250.046	ug/l	98
14) Allyl chloride	4.32	41	555170	49.830	ug/l	100
15) Acrylonitrile	4.98	53	617672	251.892	ug/l	100
16) Acetone	3.81	43	542239	303.513	ug/l	99
17) Carbon Disulfide	4.06	76	933726	45.016	ug/l	99
18) Methyl Acetate	4.32	43	304587	50.603	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	911674	50.024	ug/l	100
20) Methylene Chloride	4.55	84	383131	46.972	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	355855	48.528	ug/l	96
22) Diisopropyl ether	5.95	45	1166128	50.138	ug/l	100
23) Vinyl Acetate	5.89	43	3640332	254.618	ug/l	100
24) 1,1-Dichloroethane	5.85	63	677582	49.281	ug/l	99
25) 2-Butanone	6.83	43	735089	267.006	ug/l	99
26) 2,2-Dichloropropane	6.82	77	528867	50.945	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	417530	49.792	ug/l	100
28) Bromochloromethane	7.19	49	285598	47.150	ug/l	99
29) Tetrahydrofuran	7.21	42	449758	250.944	ug/l	99
30) Chloroform	7.37	83	674023	50.314	ug/l	100
31) Cyclohexane	7.65	56	631894	47.212	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	564683	49.691	ug/l	100
36) 1,1-Dichloropropene	7.79	75	523271	51.681	ug/l	99
37) Ethyl Acetate	6.92	43	297230	51.025	ug/l	100
38) Carbon Tetrachloride	7.77	117	504981	52.681	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	661874	52.889	ug/l	99
40) Benzene	8.04	78	1565943	50.895	ug/l	99
41) Methacrylonitrile	7.17	41	173053	49.996	ug/l	96
42) 1,2-Dichloroethane	8.12	62	466810	52.078	ug/l	100
43) Isopropyl Acetate	8.16	43	539880	51.543	ug/l	99
44) Trichloroethene	8.83	130	451189	52.879	ug/l	98
45) 1,2-Dichloropropane	9.12	63	414807	50.900	ug/l	100
46) Dibromomethane	9.21	93	236757	50.565	ug/l	99
47) Bromodichloromethane	9.40	83	520298	52.840	ug/l	100
48) Methyl methacrylate	9.20	41	271889	50.274	ug/l	97
49) 1,4-Dioxane	9.20	88	76112	1441.036	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1502644	262.796	ug/l	100
52) Toluene	10.16	92	973023	50.940	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	530185	53.122	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	624369	53.366	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	345385	52.446	ug/l	99
56) Ethyl methacrylate	10.43	69	438107	47.005	ug/l	99
57) 1,3-Dichloropropane	10.71	76	585979	51.437	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1103888	239.605	ug/l	99
59) 2-Hexanone	10.75	43	1074562	267.710	ug/l	99
60) Dibromochloromethane	10.90	129	398613	53.367	ug/l	100
61) 1,2-Dibromoethane	11.00	107	340025	51.053	ug/l	100
64) Tetrachloroethene	10.63	164	510149	54.254	ug/l	99
65) Chlorobenzene	11.43	112	1094550	51.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	394711	53.722	ug/l	99
67) Ethyl Benzene	11.51	91	1878693	52.196	ug/l	99
68) m/p-Xylenes	11.62	106	1441803	106.098	ug/l	100
69) o-Xylene	11.95	106	698242	52.878	ug/l	98
70) Styrene	11.96	104	1163713	54.301	ug/l	99
71) Bromoform	12.13	173	273604	54.092	ug/l #	98
73) Isopropylbenzene	12.25	105	1875309	50.047	ug/l	100
74) N-amyl acetate	12.07	43	487522	48.807	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	355934	45.292	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	520678	77.218	ug/l #	100
77) Bromobenzene	12.53	156	485332	49.154	ug/l	99
78) n-propylbenzene	12.59	91	2211299	51.412	ug/l	100
79) 2-Chlorotoluene	12.67	91	1263401	49.555	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1566404	51.379	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	125015	47.076	ug/l	100
82) 4-Chlorotoluene	12.77	91	1316144	50.622	ug/l	100
83) tert-Butylbenzene	12.99	119	1390275	51.631	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1604796	52.205	ug/l	100
85) sec-Butylbenzene	13.17	105	1923176	52.078	ug/l	99
86) p-Isopropyltoluene	13.29	119	1709154	53.303	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	880505	50.697	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	878605	50.431	ug/l	99
89) n-Butylbenzene	13.62	91	1497999	54.807	ug/l	100
90) Hexachloroethane	13.87	117	271094	53.908	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	841933	52.691	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58666	58.875	ug/l	97

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Response via : Initial Calibration

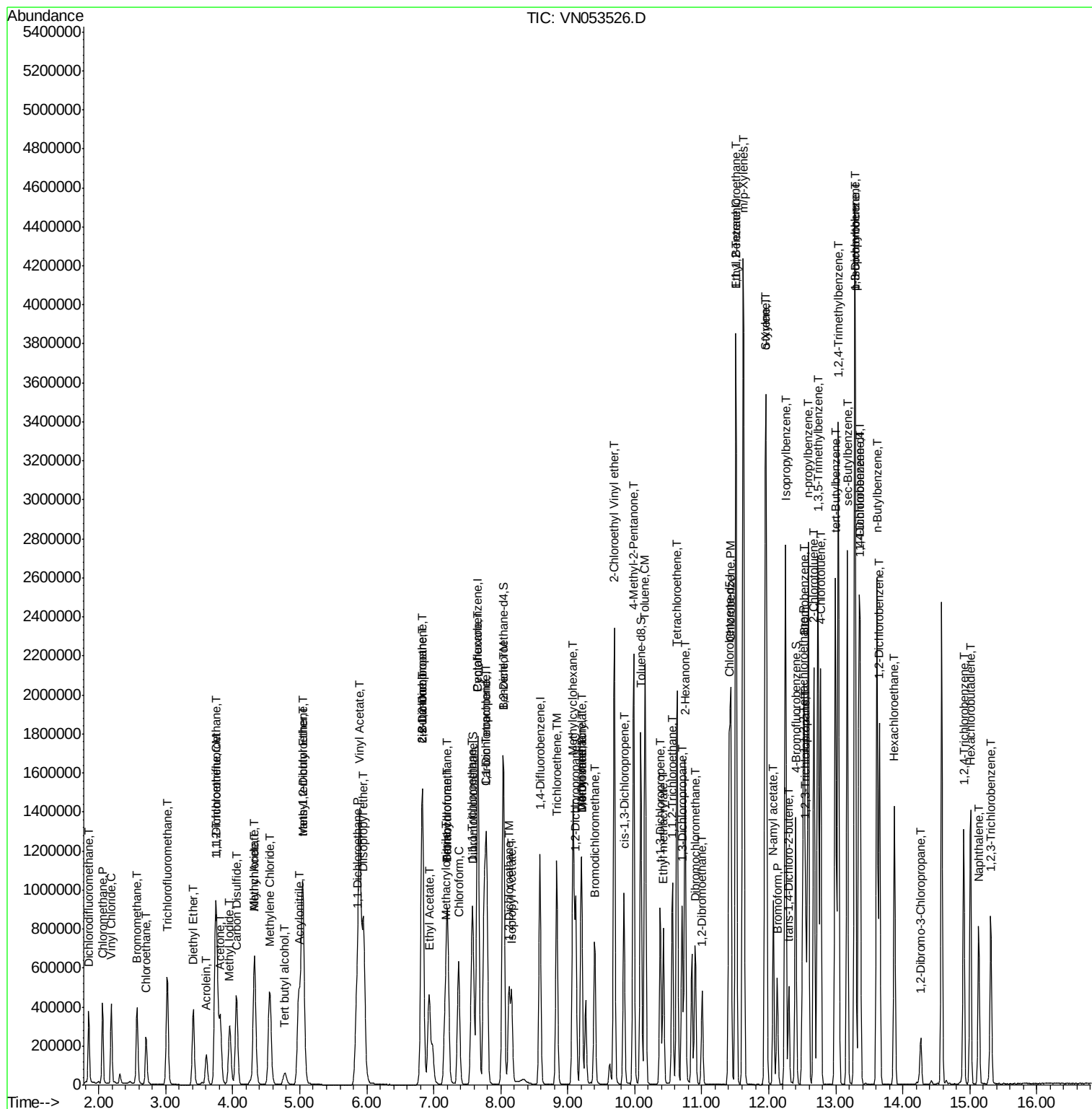
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	454389	63.651	ug/l	99
94) Hexachlorobutadiene	15.01	225	311797	62.553	ug/l	100
95) Naphthalene	15.13	128	716241	57.281	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	329923	62.864	ug/l	100

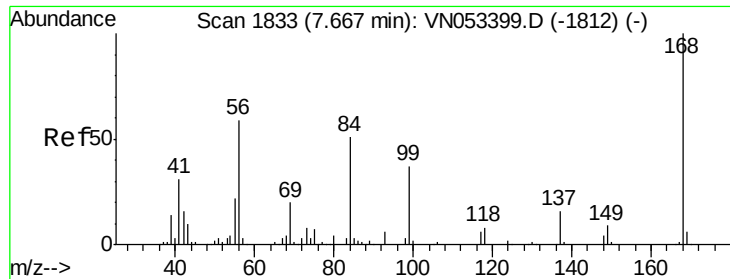
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN012319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

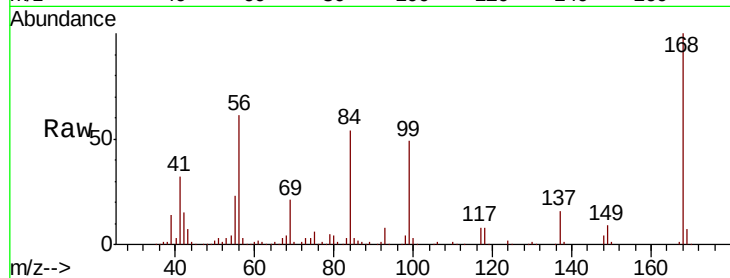
VSTDCCC050

Tgt Ion:168 Resp: 770402

Ion Ratio Lower Upper

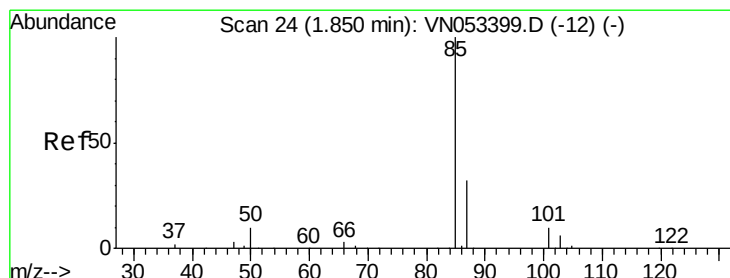
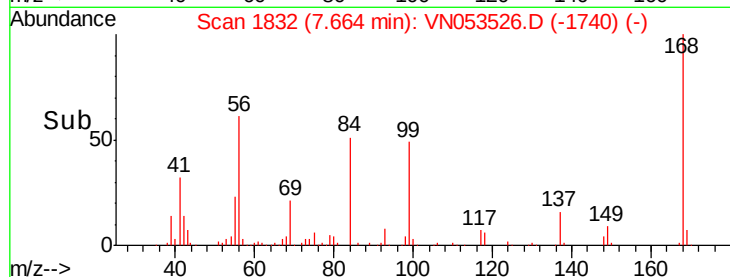
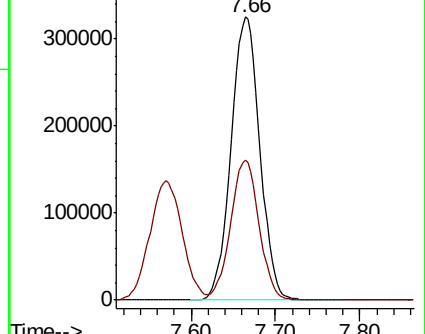
168 100

99 49.3 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: 46.642 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053526.D

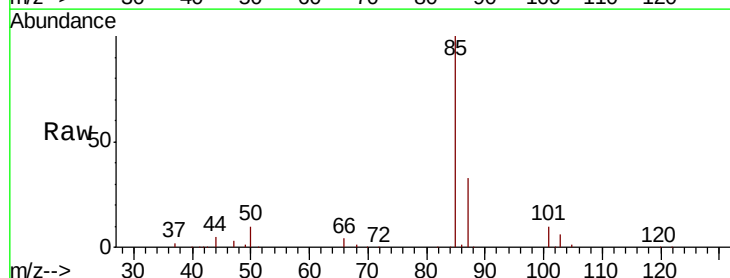
Acq: 23 Jan 2019 9:44

Tgt Ion: 85 Resp: 288904

Ion Ratio Lower Upper

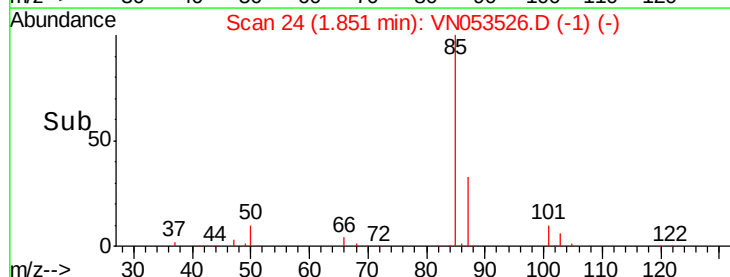
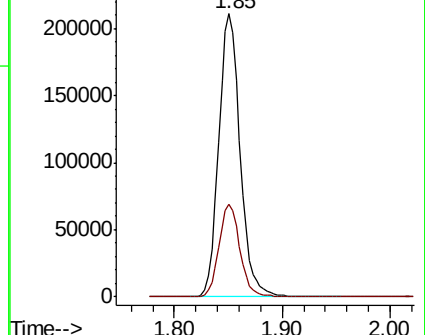
85 100

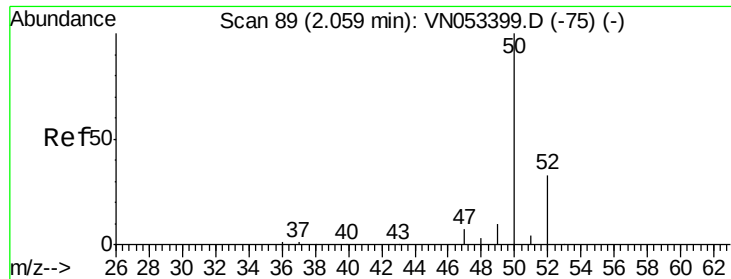
87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

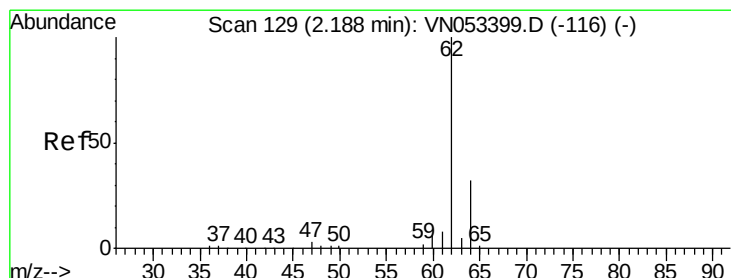
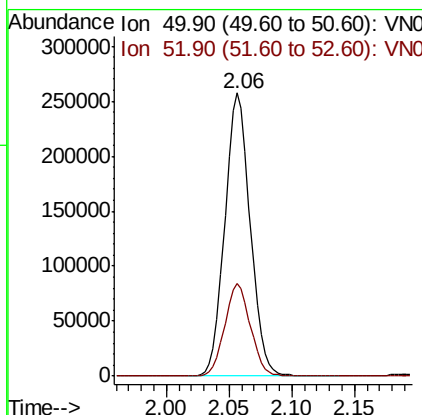
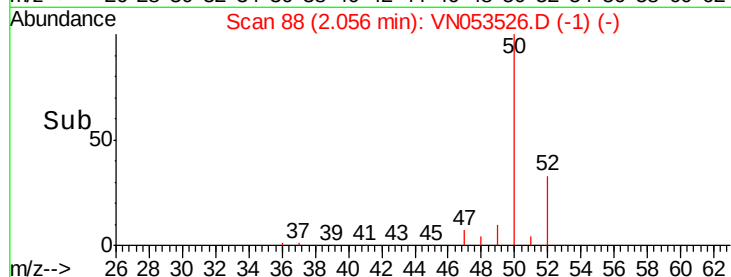
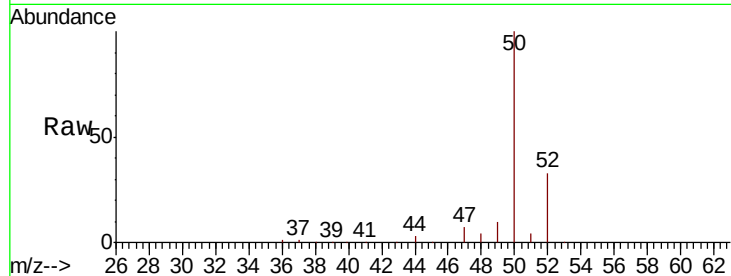




#3
Chloromethane
Concen: 41.051 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

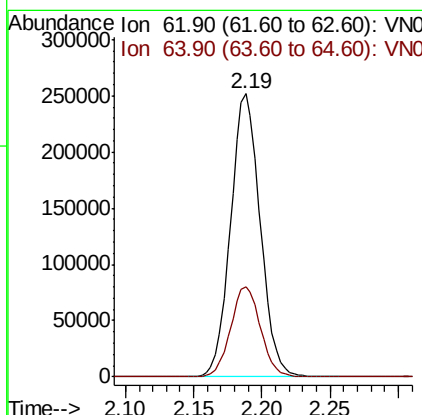
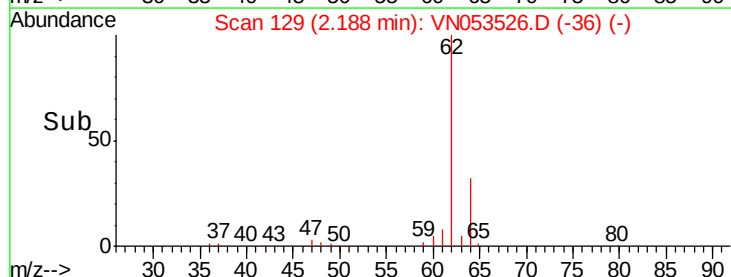
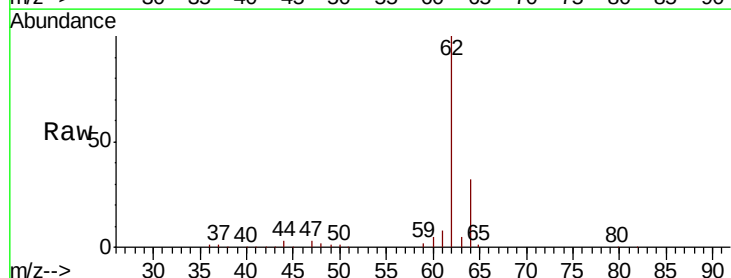
Instrument :
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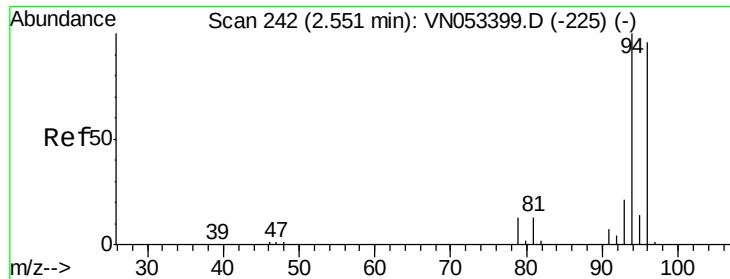
Tgt Ion: 50 Resp: 363547
Ion Ratio Lower Upper
50 100
52 32.5 26.6 40.0



#4
Vinyl Chloride
Concen: 44.461 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 62 Resp: 379550
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.2

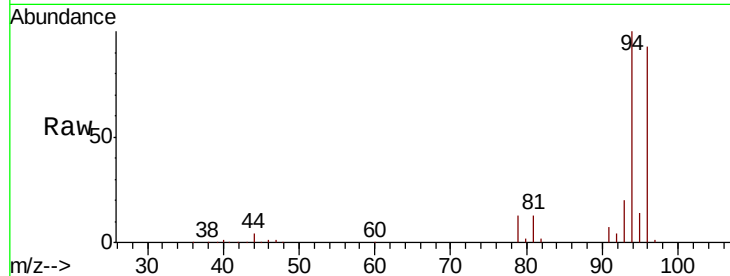




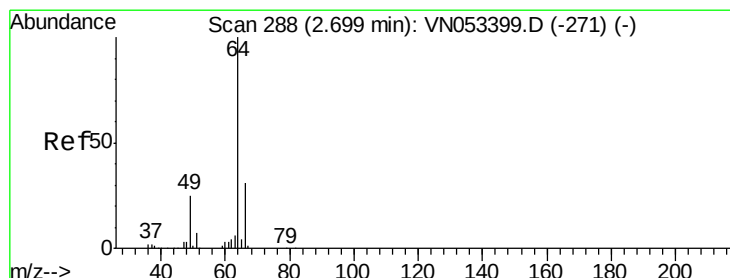
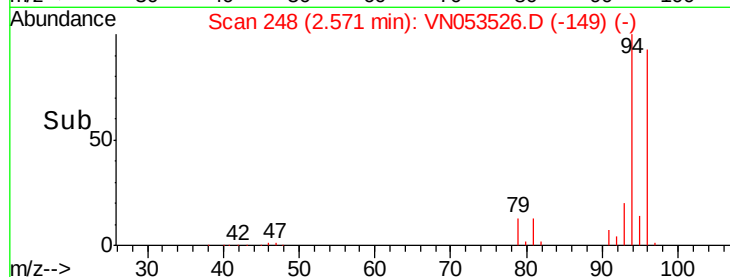
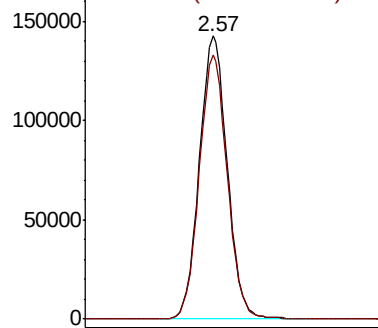
#5
Bromomethane
Concen: 45.842 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.02 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 94 Resp: 268516
Ion Ratio Lower Upper
94 100
96 93.4 76.8 115.2

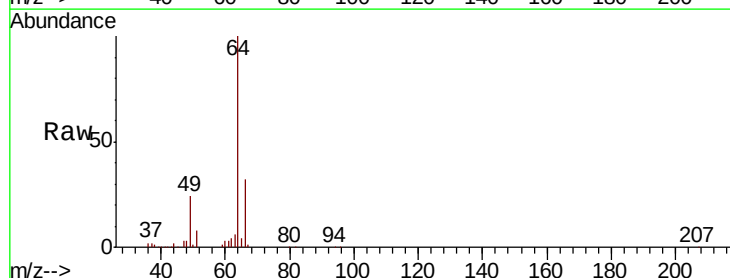


Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

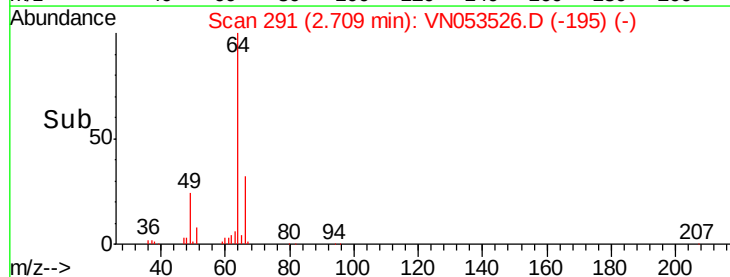
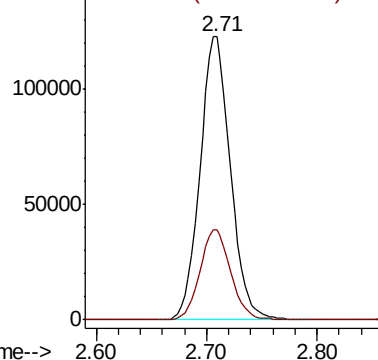


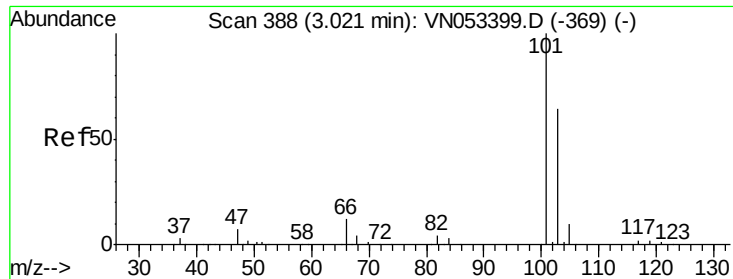
#6
Chloroethane
Concen: 45.338 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.01 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 64 Resp: 234002
Ion Ratio Lower Upper
64 100
66 31.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



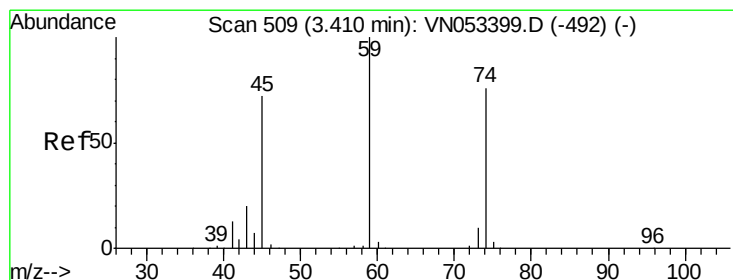
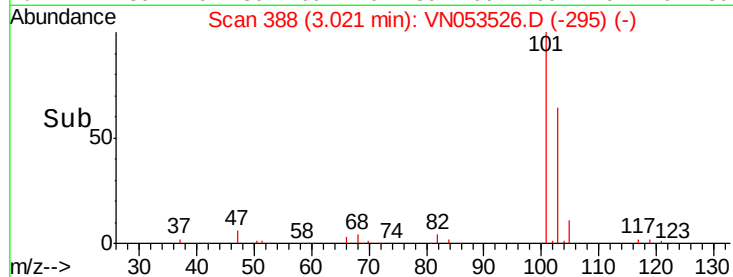
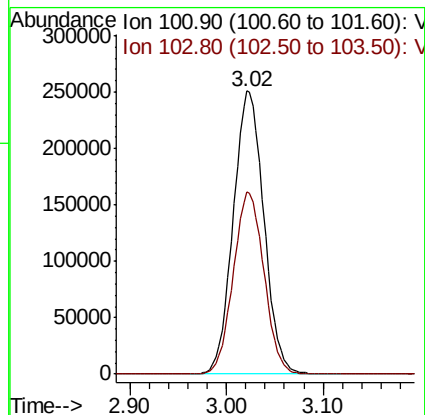
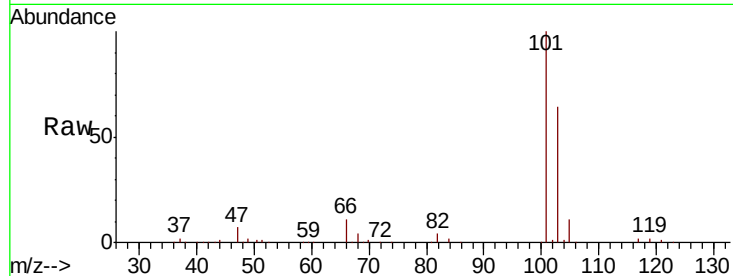


#7

Trichlorofluoromethane
 Concen: 49.442 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

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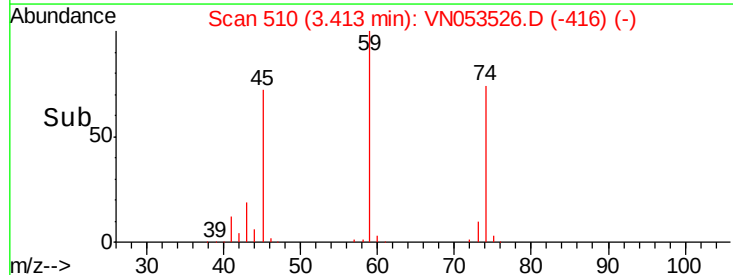
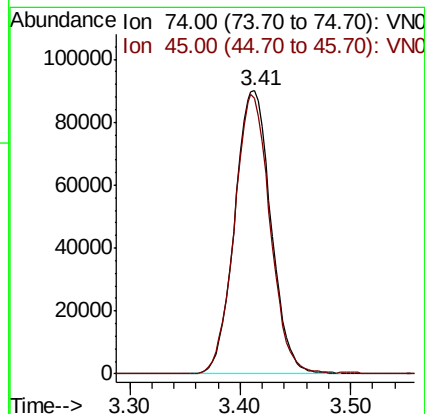
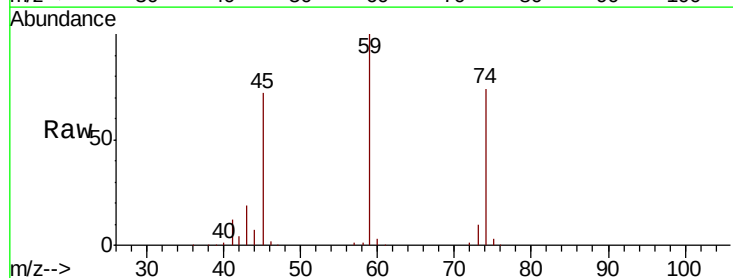
Tgt Ion: 101 Resp: 552077
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.6 77.4

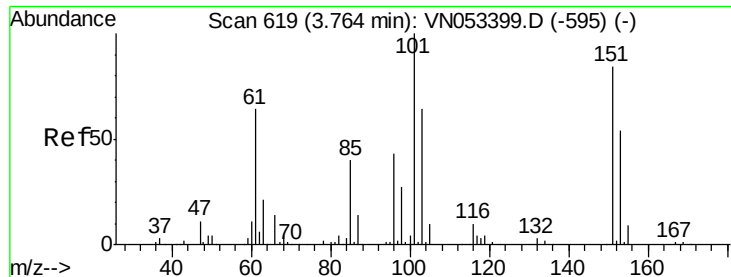


#8

Diethyl Ether
 Concen: 48.875 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion: 74 Resp: 204973
 Ion Ratio Lower Upper
 74 100
 45 96.8 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.110 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

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VSTDCCC050

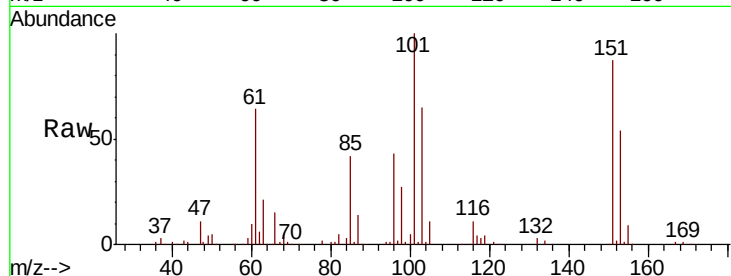
Tgt Ion:101 Resp: 361428

Ion Ratio Lower Upper

101 100

85 41.5 32.8 49.2

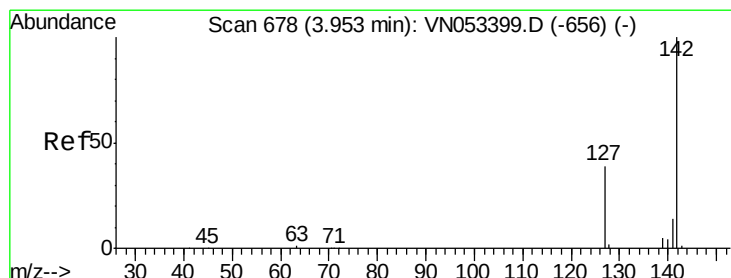
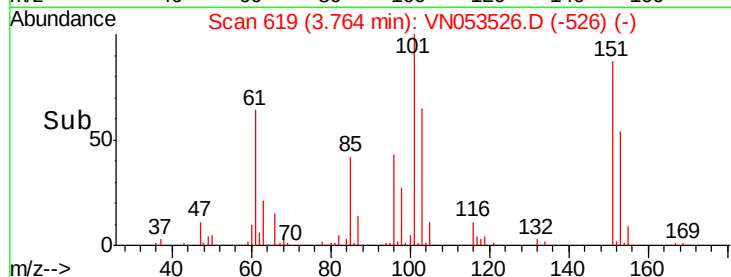
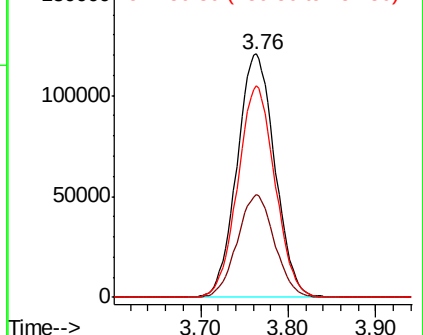
151 85.4 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.562 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

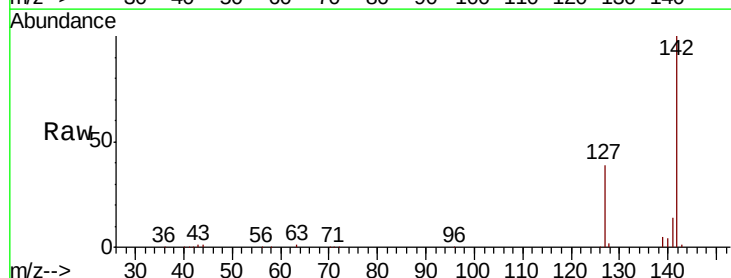
Tgt Ion:142 Resp: 503173

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.4

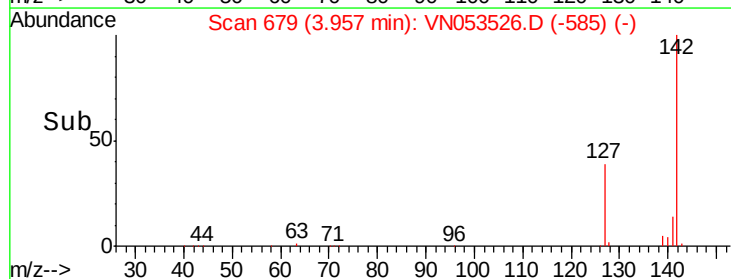
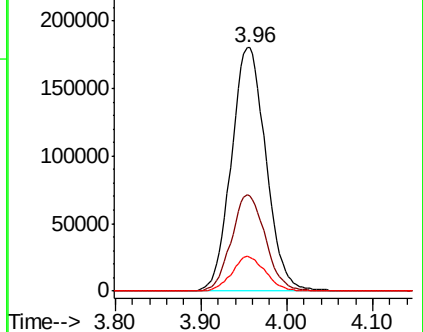
141 13.9 11.1 16.7

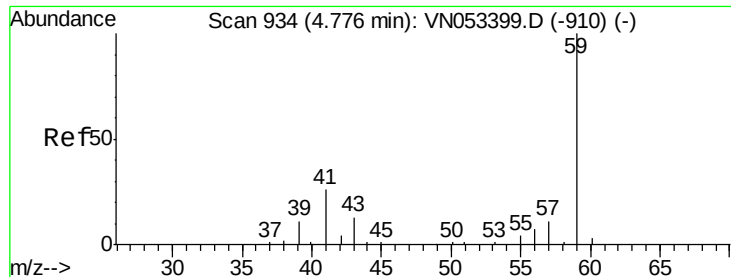


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

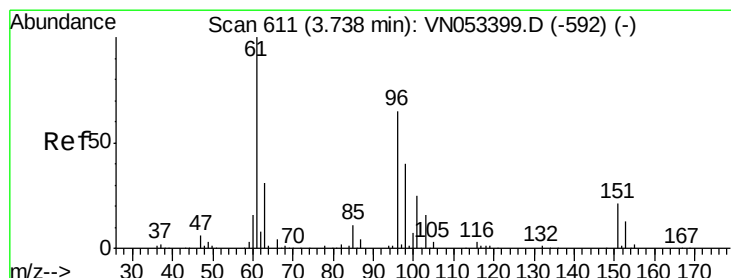
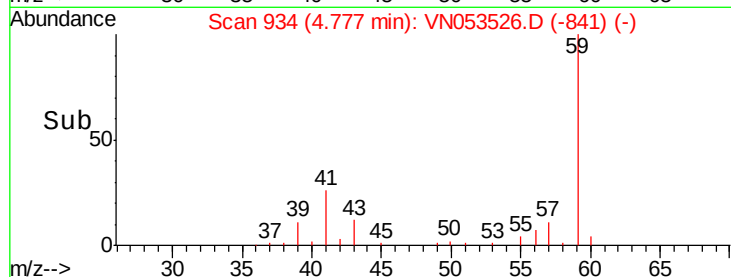
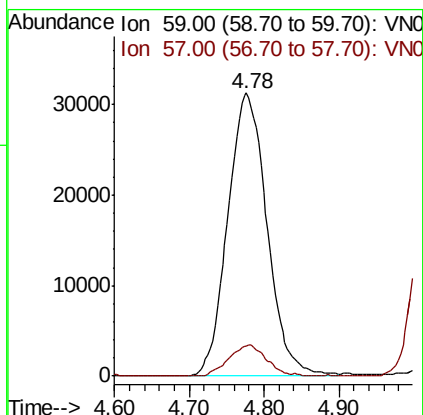
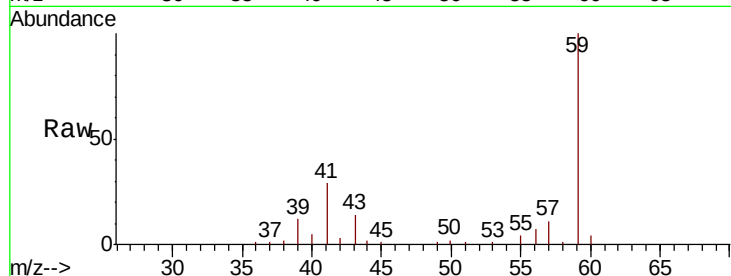




#11
Tert butyl alcohol
Concen: 305.995 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

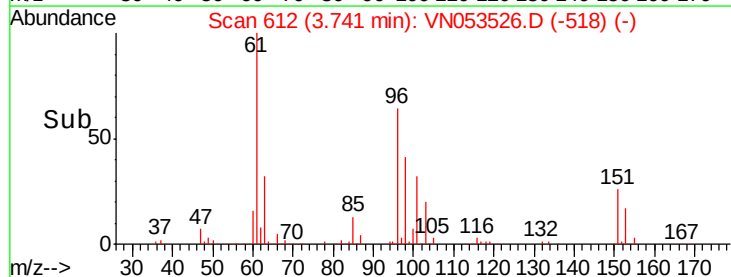
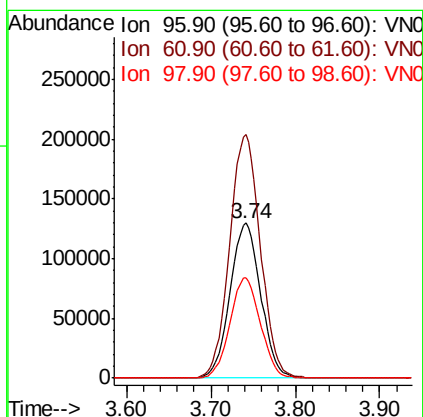
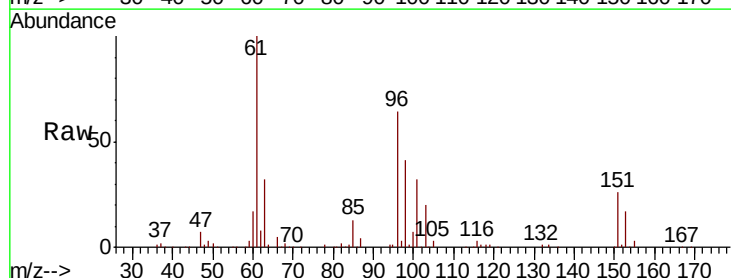
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

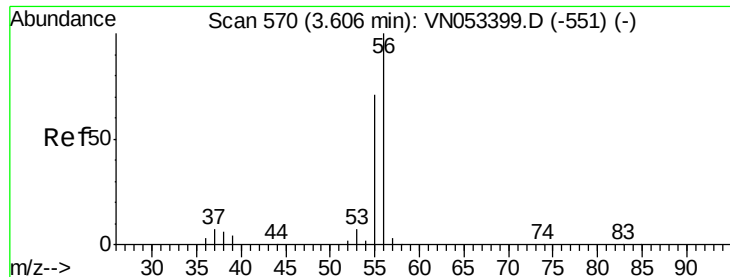
Tgt Ion: 59 Resp: 114014
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 47.878 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 96 Resp: 328398
Ion Ratio Lower Upper
96 100
61 157.3 122.9 184.3
98 65.0 49.4 74.0





#13

Acrolein

Concen: 250.046 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

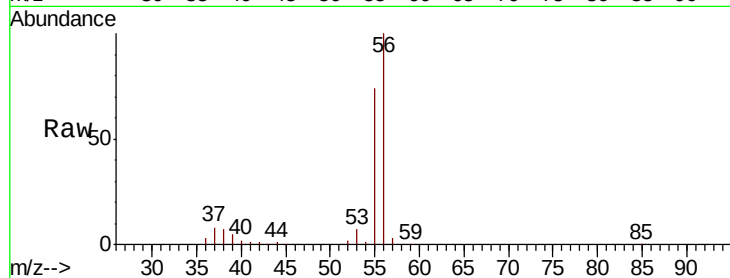
VSTDCCC050

Tgt Ion: 56 Resp: 181803

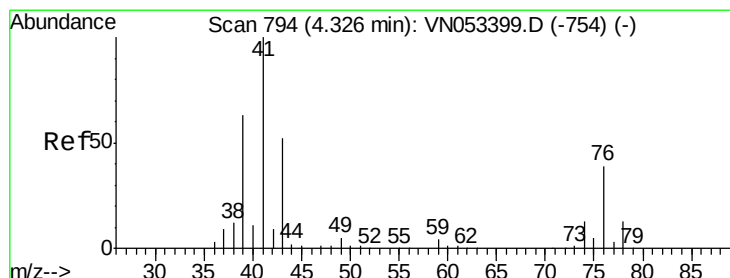
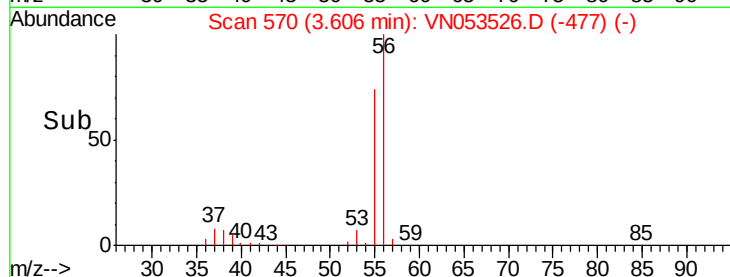
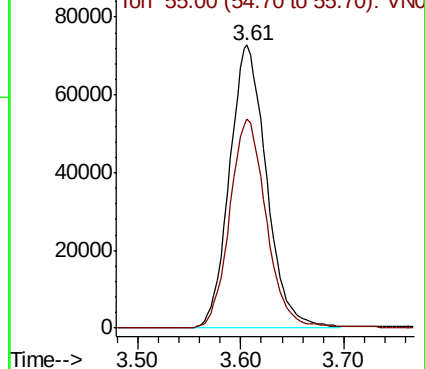
Ion Ratio Lower Upper

56 100

55 72.9 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-551) (-)



#14

Allyl chloride

Concen: 49.830 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

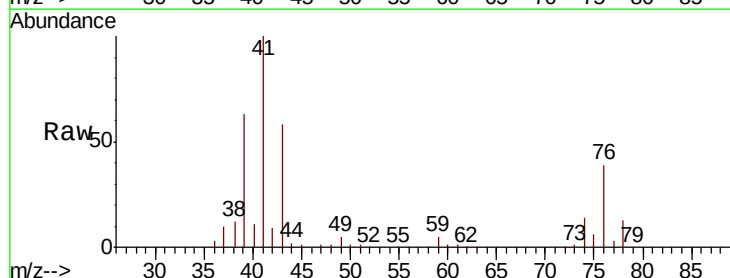
Tgt Ion: 41 Resp: 555170

Ion Ratio Lower Upper

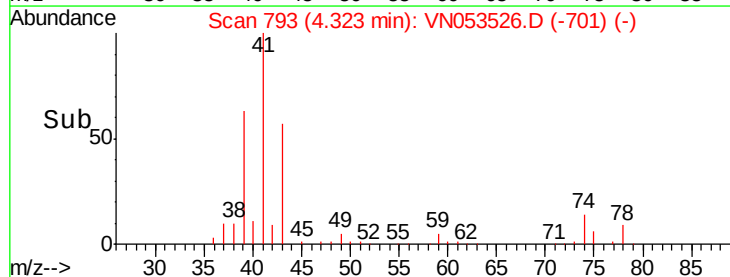
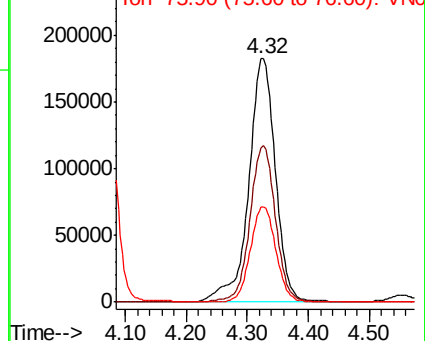
41 100

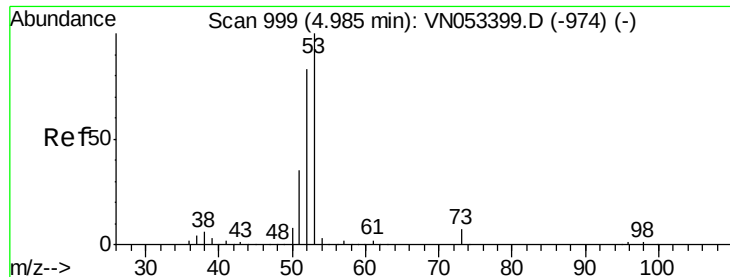
39 61.3 48.9 73.3

76 36.7 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN053399.D (-754) (-)





#15

Acrylonitrile

Concen: 251.892 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

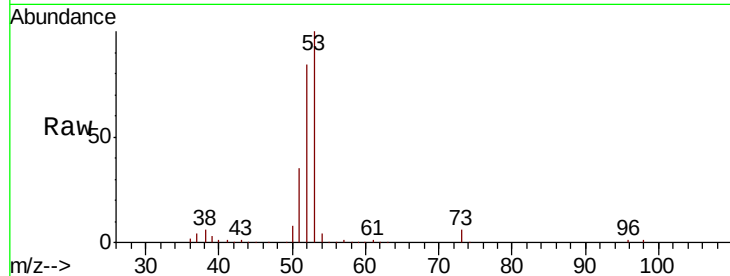
Tgt Ion: 53 Resp: 617672

Ion Ratio Lower Upper

53 100

52 82.2 66.0 99.0

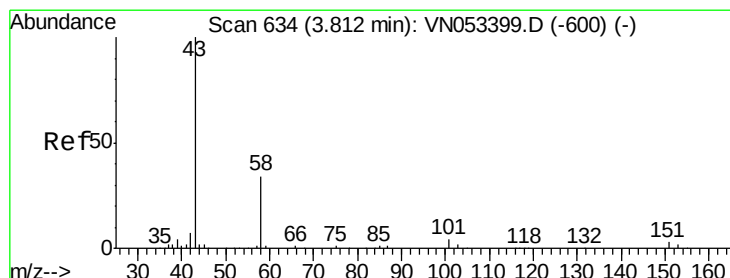
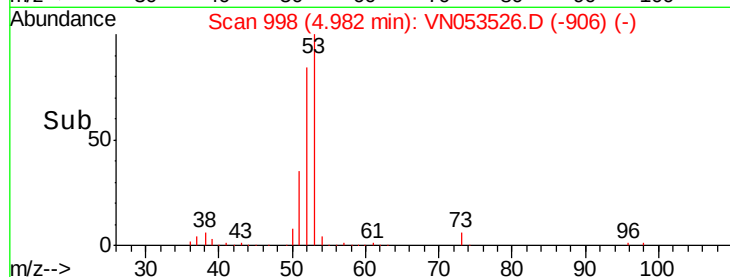
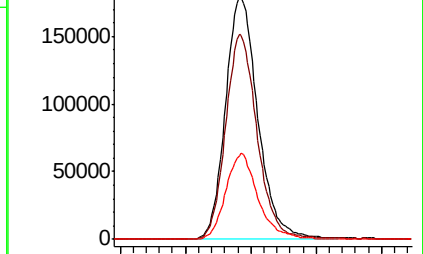
51 35.2 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053399.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053399.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053399.D (-974) (-)



#16

Acetone

Concen: 303.513 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053526.D

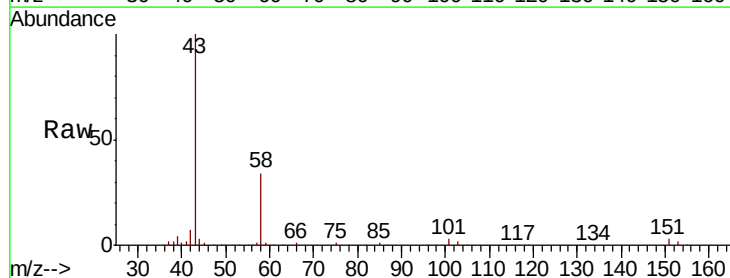
Acq: 23 Jan 2019 9:44

Tgt Ion: 43 Resp: 542239

Ion Ratio Lower Upper

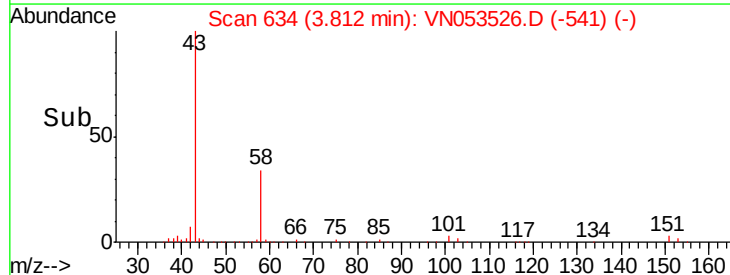
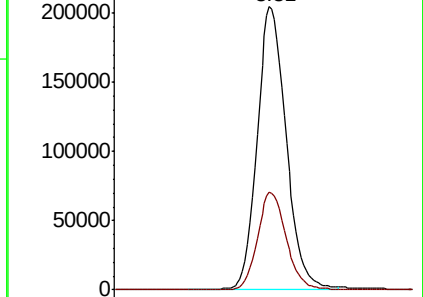
43 100

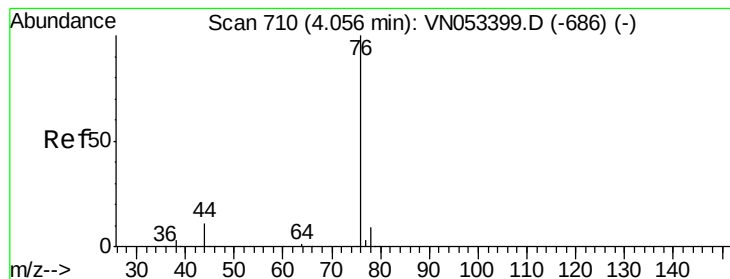
58 34.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)





#17

Carbon Disulfide

Concen: 45.016 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

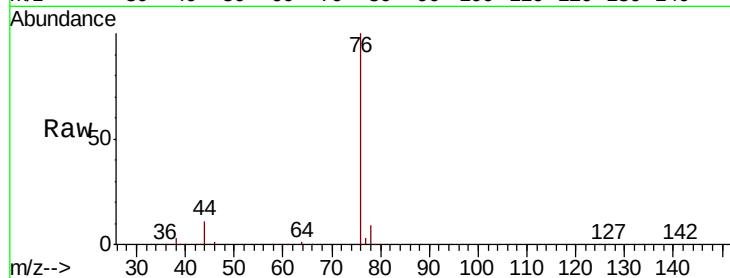
VSTDCCC050

Tgt Ion: 76 Resp: 933726

Ion Ratio Lower Upper

76 100

78 9.5 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

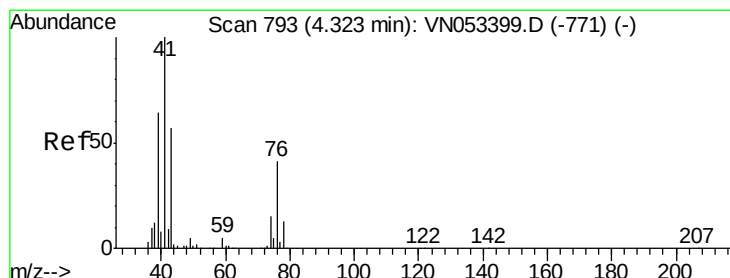
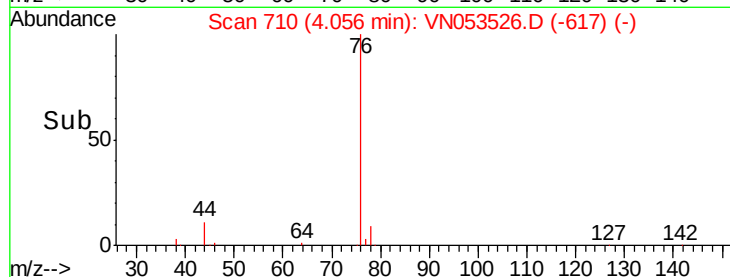
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 50.603 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053526.D

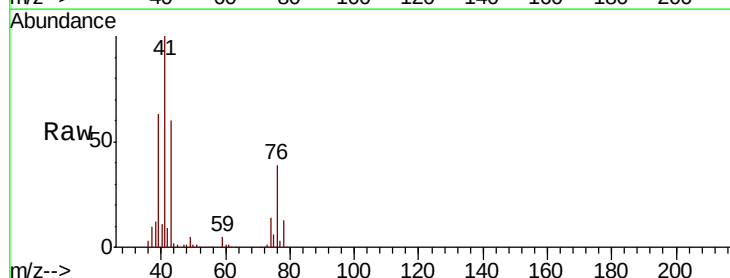
Acq: 23 Jan 2019 9:44

Tgt Ion: 43 Resp: 304587

Ion Ratio Lower Upper

43 100

74 24.1 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) (-)

4.32

120000

100000

80000

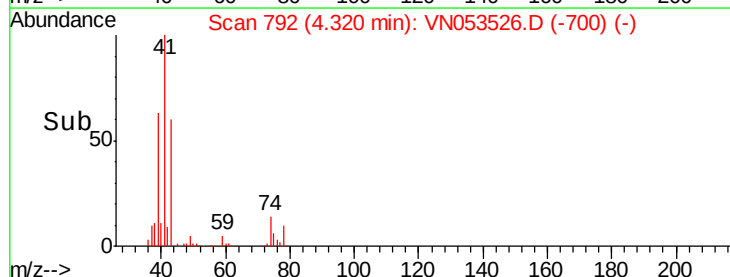
60000

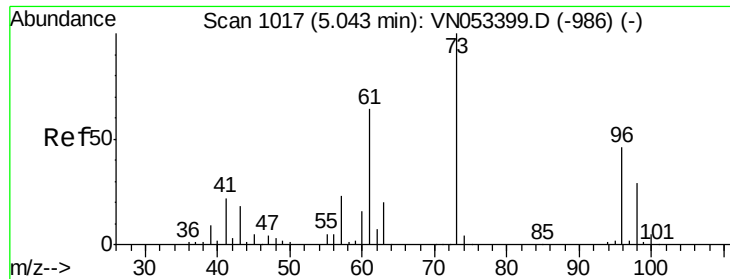
40000

20000

0

Time--> 4.20 4.30 4.40 4.50

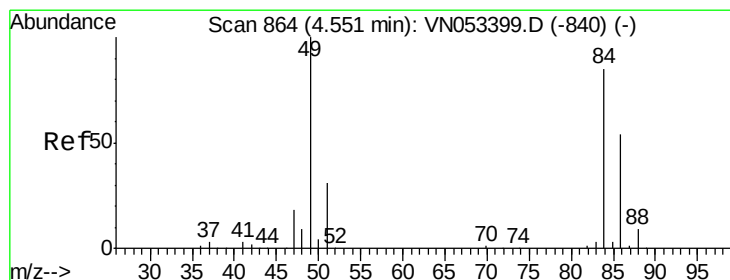
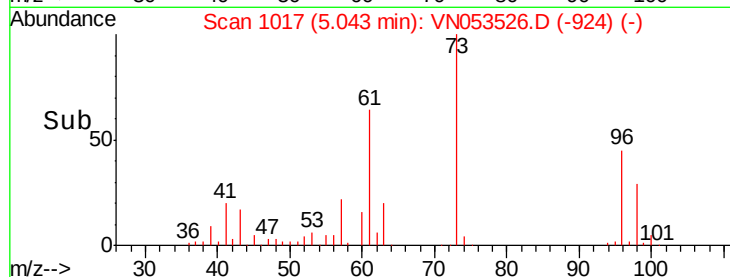
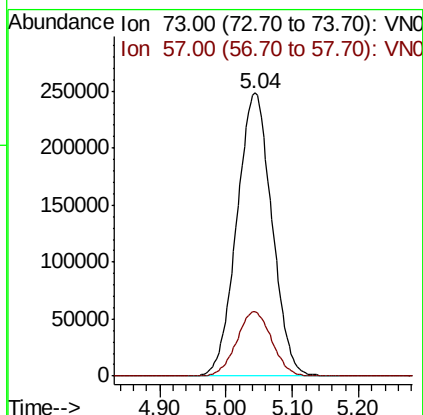
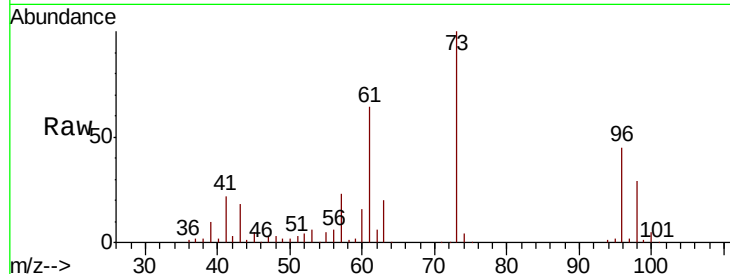




#19
Methyl tert-butyl Ether
Concen: 50.024 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

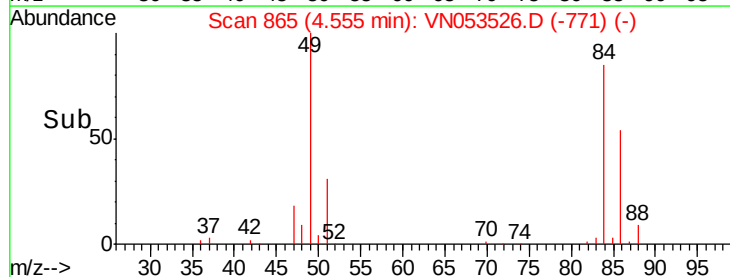
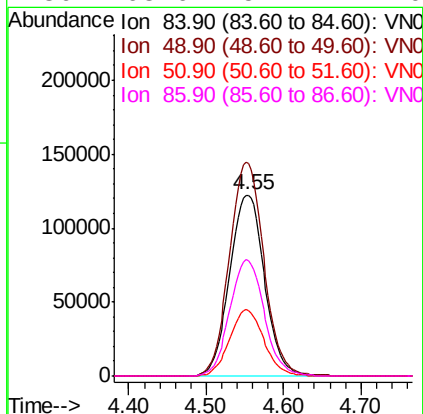
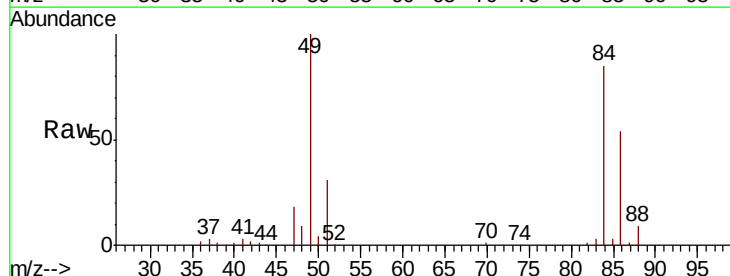
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

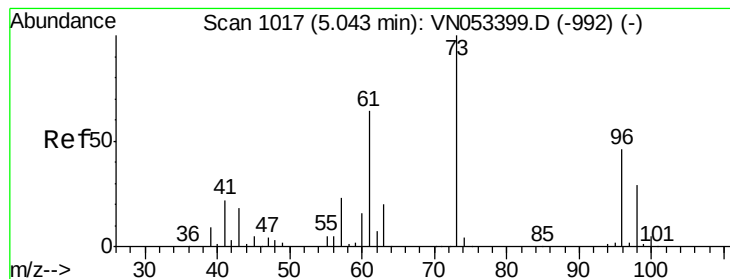
Tgt Ion: 73 Resp: 911674
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5



#20
Methylene Chloride
Concen: 46.972 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 84 Resp: 383131
Ion Ratio Lower Upper
84 100
49 117.2 94.3 141.5
51 36.3 29.4 44.2
86 63.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.528 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

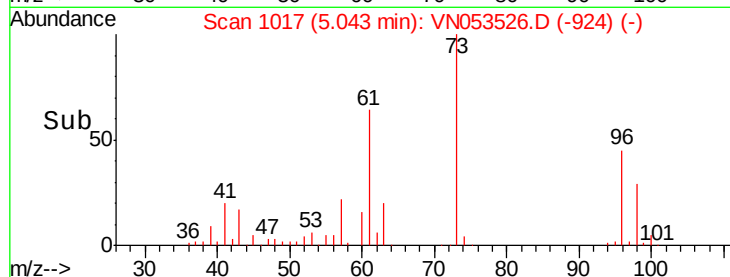
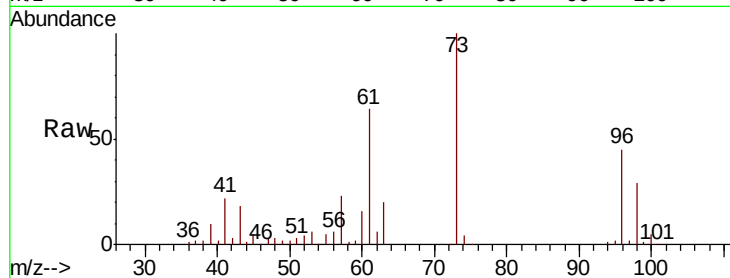
Tgt Ion: 96 Resp: 355855

Ion Ratio Lower Upper

96 100

61 142.3 110.1 165.1

98 64.9 50.0 75.0

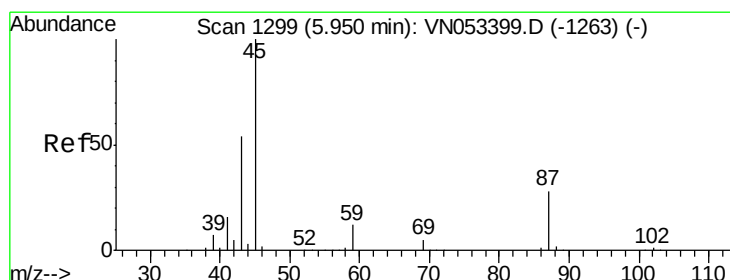
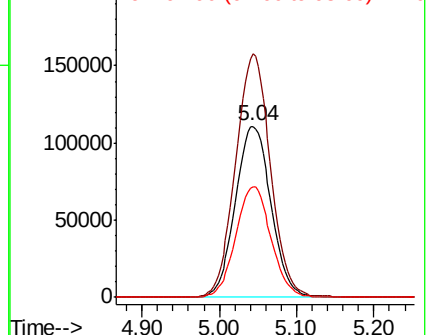


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.138 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion: 45 Resp: 1166128

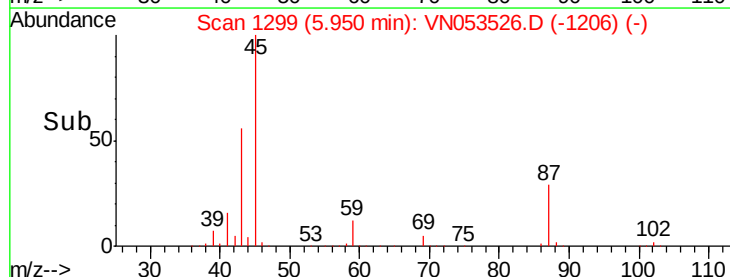
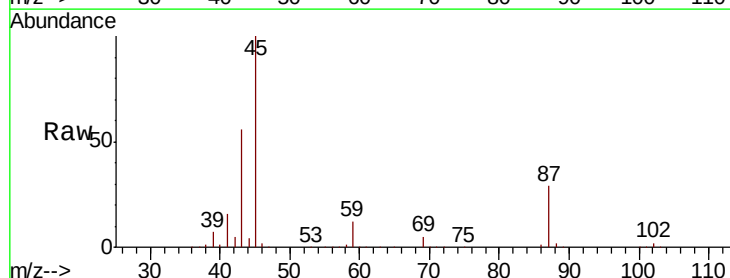
Ion Ratio Lower Upper

45 100

43 55.6 44.2 66.4

87 28.8 22.7 34.1

59 11.8 9.4 14.2



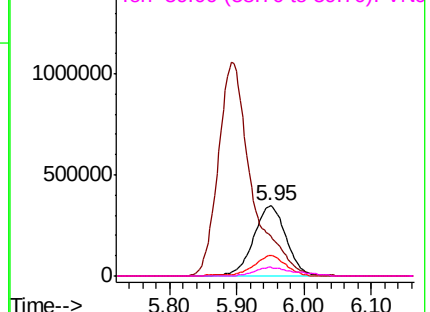
Abundance

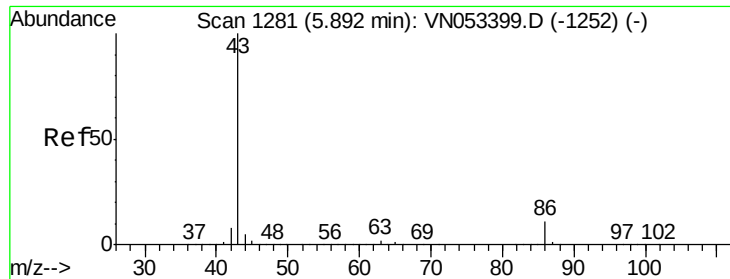
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 254.618 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

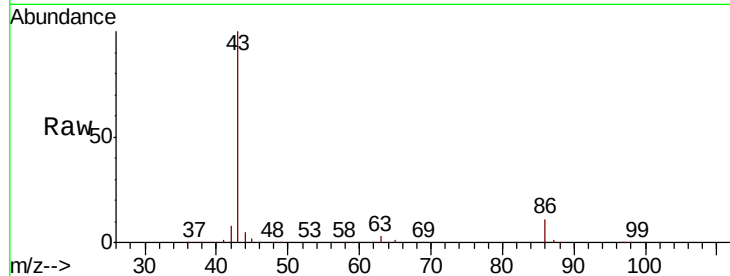
VSTDCCC050

Tgt Ion: 43 Resp: 3640332

Ion Ratio Lower Upper

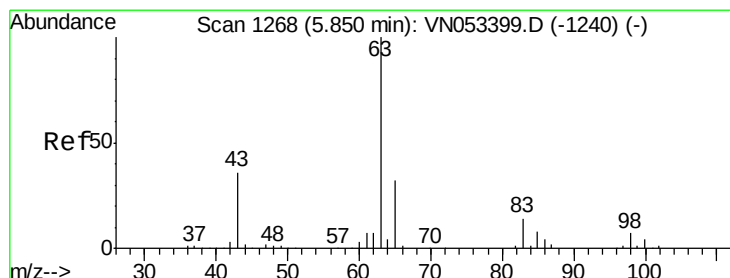
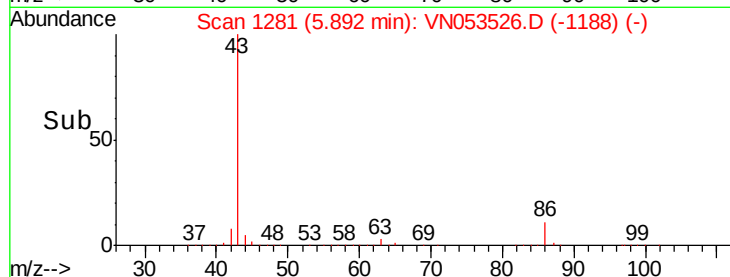
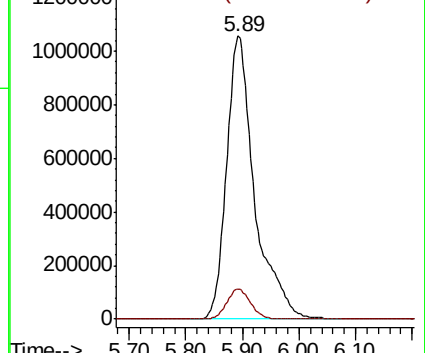
43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.281 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

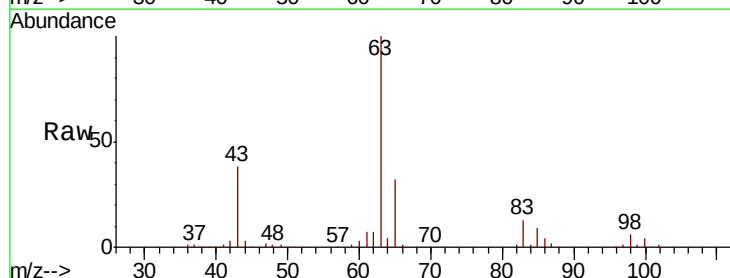
Tgt Ion: 63 Resp: 677582

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

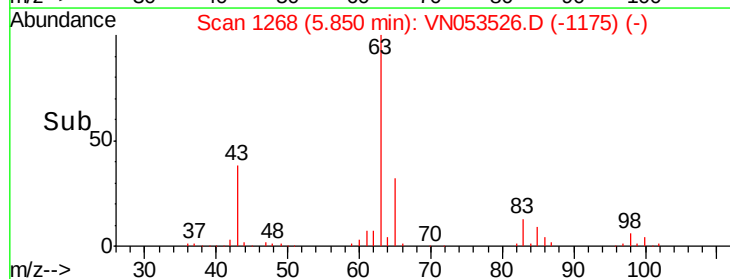
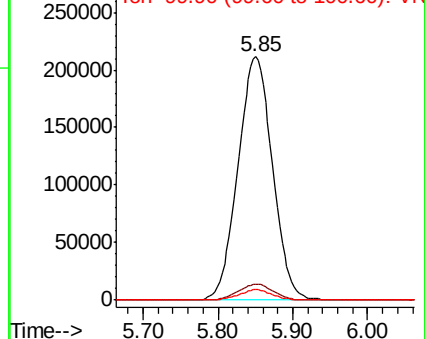
100 4.4 2.1 6.5

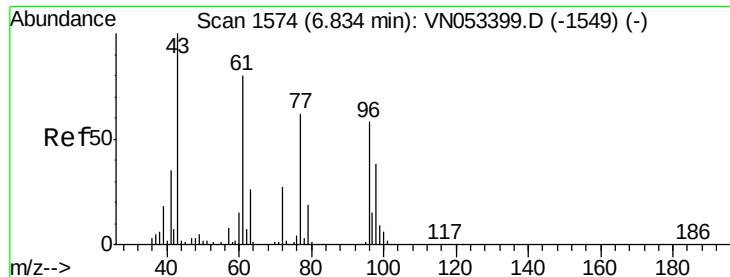


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

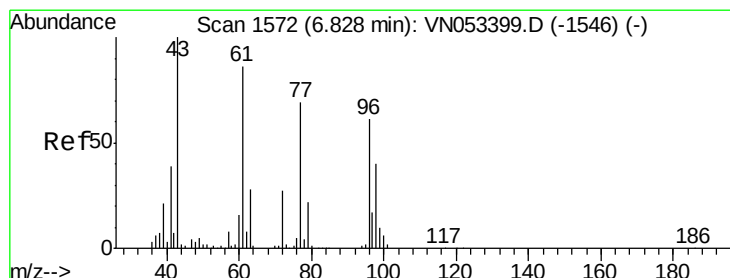
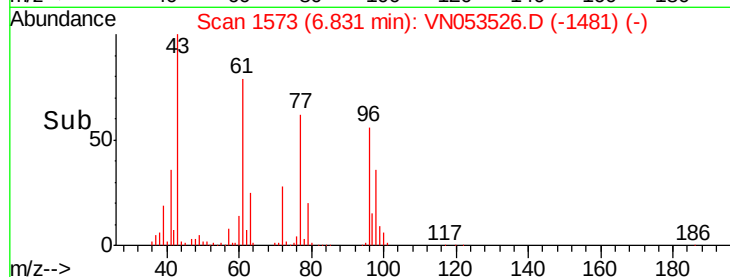
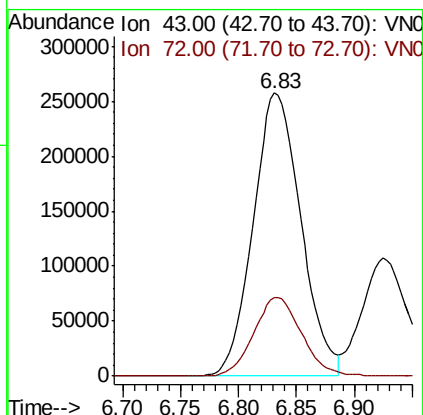
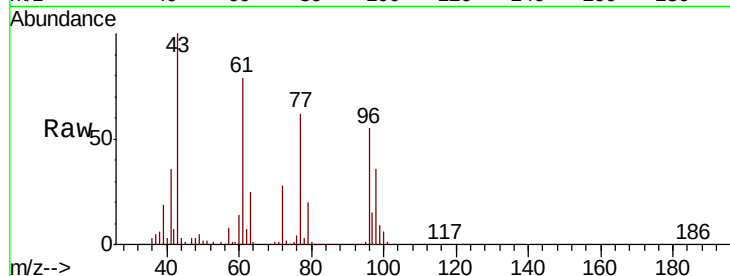




#25
 2-Butanone
 Concen: 267.006 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

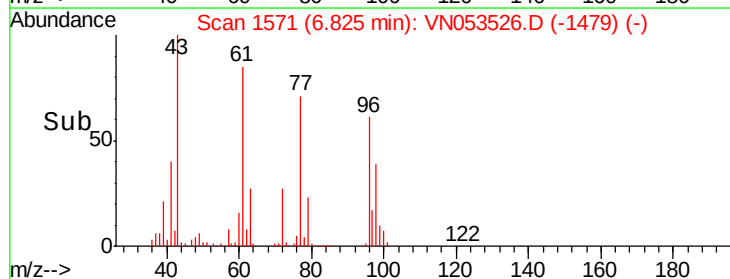
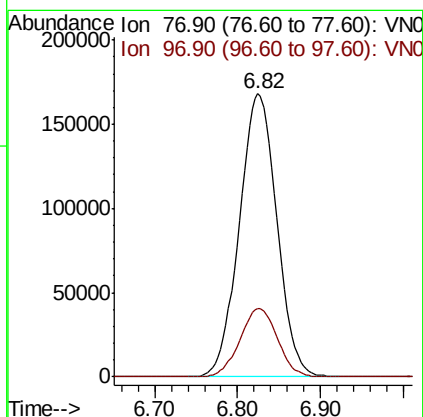
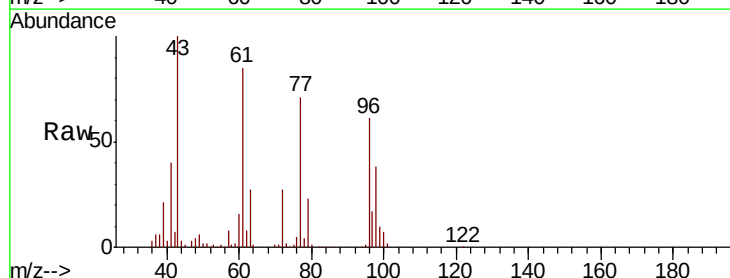
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

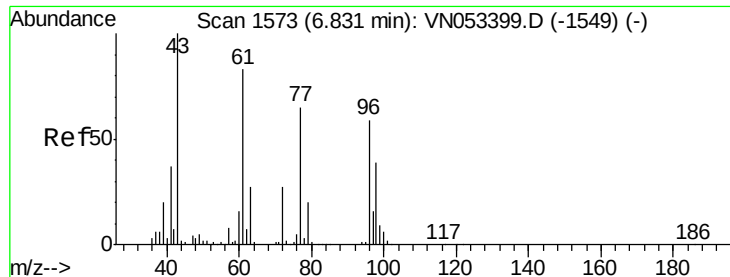
Tgt Ion: 43 Resp: 735089
 Ion Ratio Lower Upper
 43 100
 72 27.9 22.0 33.0



#26
 2,2-Dichloropropane
 Concen: 50.945 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion: 77 Resp: 528867
 Ion Ratio Lower Upper
 77 100
 97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.792 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

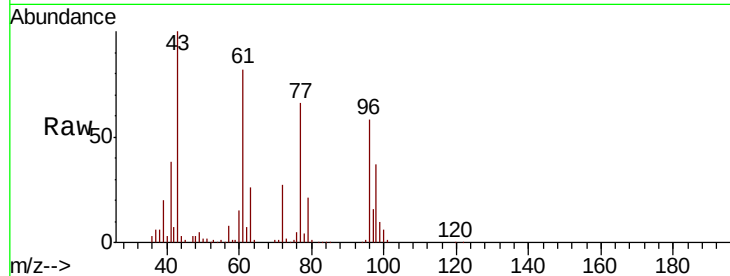
Tgt Ion: 96 Resp: 417530

Ion Ratio Lower Upper

96 100

61 142.4 0.0 283.8

98 64.3 0.0 129.2

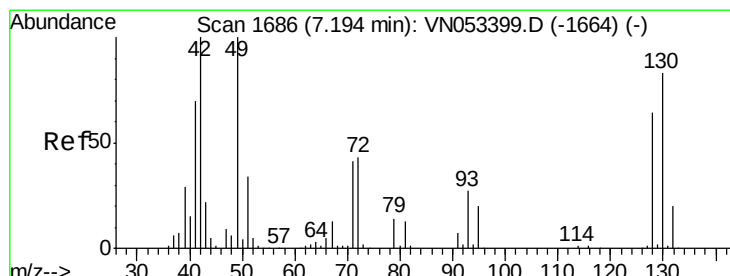
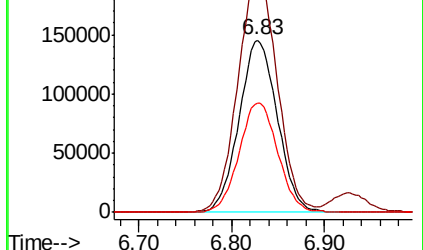
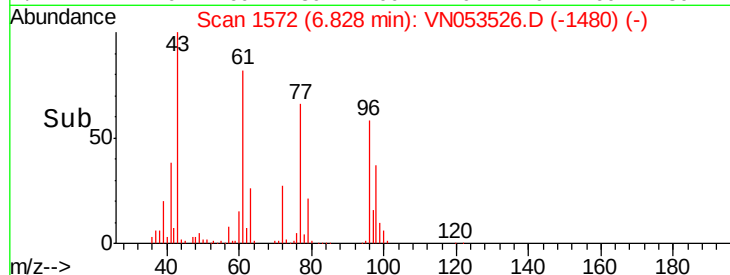


Abundance Ion 95.90 (95.60 to 96.60): VN053399.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN053399.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1549) (-)

Time-->



#28

Bromochloromethane

Concen: 47.150 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

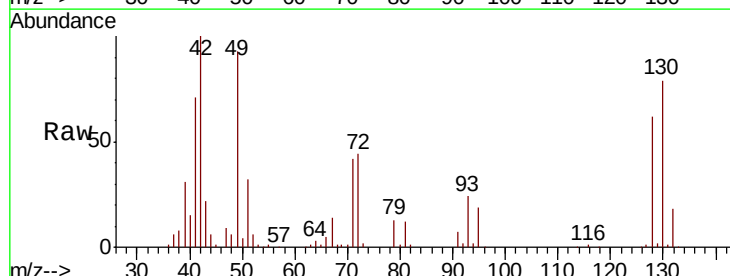
Tgt Ion: 49 Resp: 285598

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

130 83.4 66.3 99.5

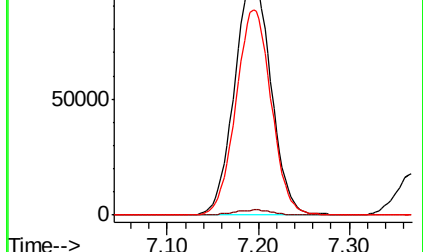
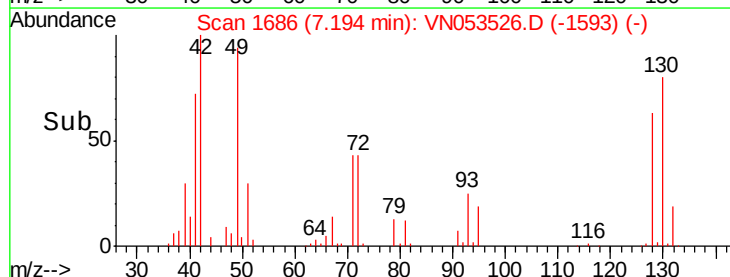


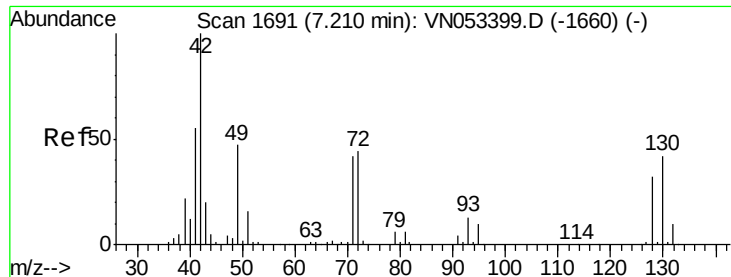
Abundance Ion 48.90 (48.60 to 49.60): VN053399.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN053399.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN053399.D (-1664) (-)

Time-->





#29

Tetrahydrofuran

Concen: 250.944 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

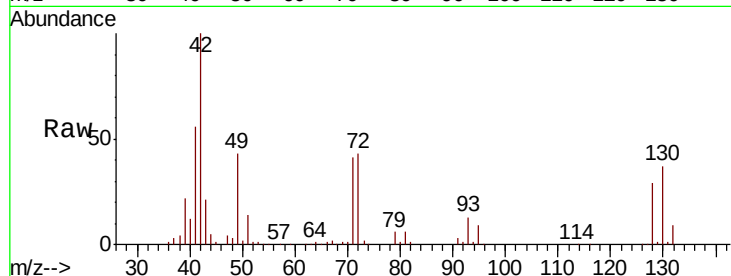
Tgt Ion: 42 Resp: 449758

Ion Ratio Lower Upper

42 100

72 44.3 35.2 52.8

71 41.9 33.0 49.4

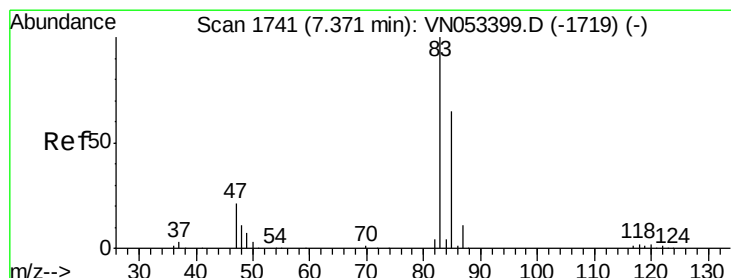
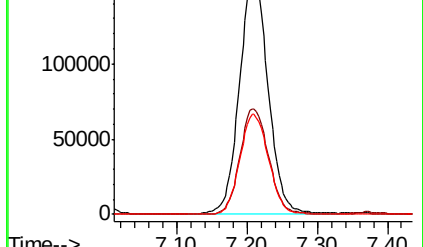
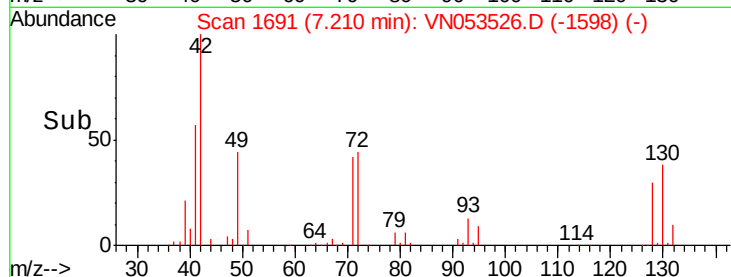


Abundance Ion 42.00 (41.70 to 42.70): VN053399.D (-1660) (-)

Ion 72.00 (71.70 to 72.70): VN053399.D (-1660) (-)

Ion 71.00 (70.70 to 71.70): VN053399.D (-1660) (-)

Time-->



#30

Chloroform

Concen: 50.314 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053526.D

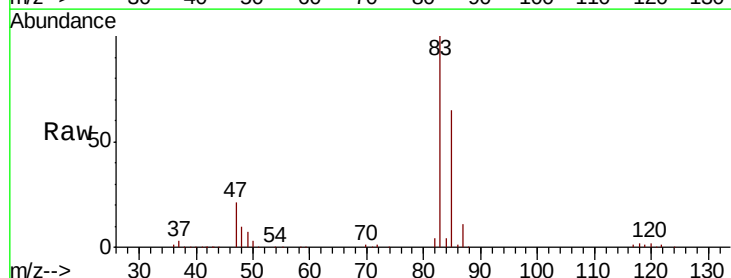
Acq: 23 Jan 2019 9:44

Tgt Ion: 83 Resp: 674023

Ion Ratio Lower Upper

83 100

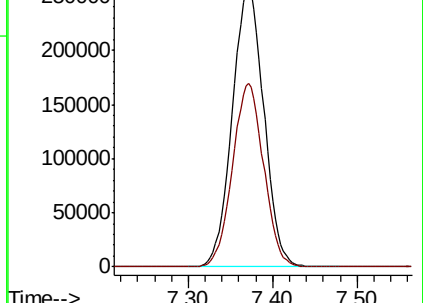
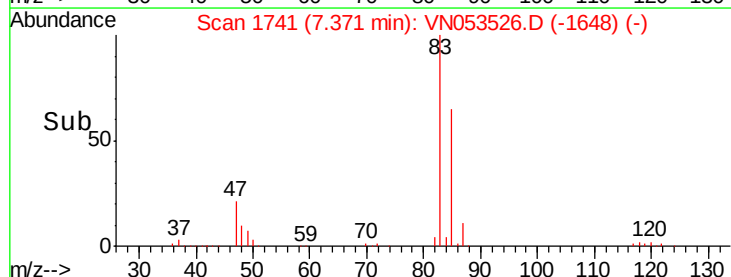
85 65.0 52.2 78.2

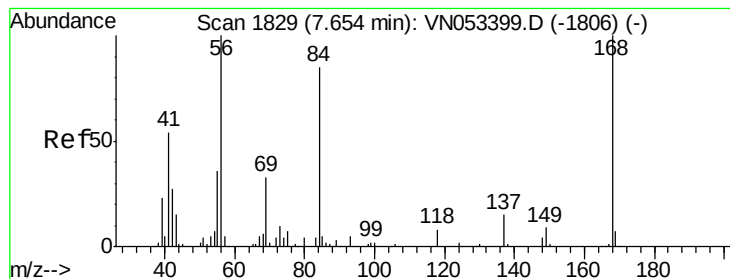


Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-1719) (-)

Time-->





#31

Cyclohexane

Concen: 47.212 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

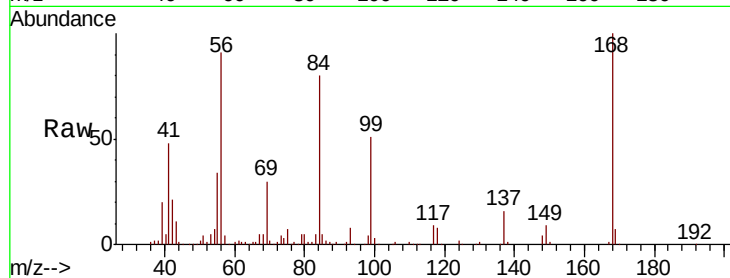
Tgt Ion: 56 Resp: 631894

Ion Ratio Lower Upper

56 100

69 32.6 26.4 39.6

84 86.0 67.9 101.9

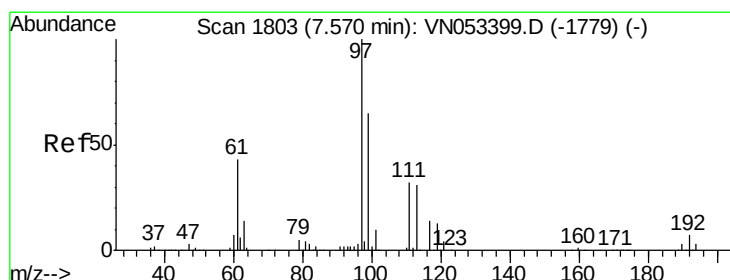
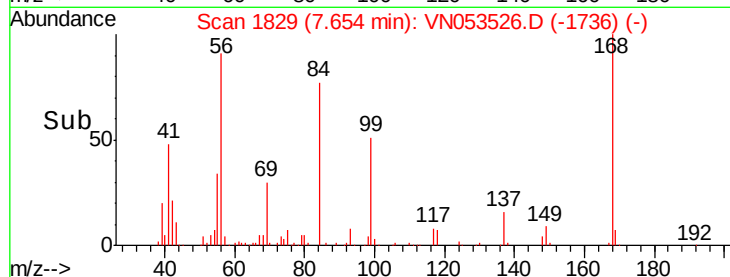
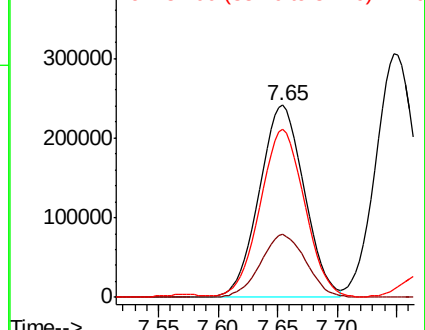


Abundance

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: 49.691 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

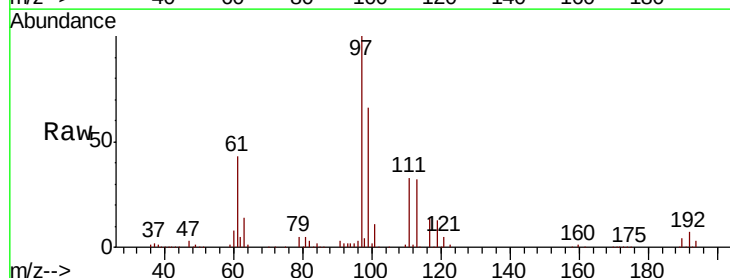
Tgt Ion: 97 Resp: 564683

Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

61 43.2 34.4 51.6

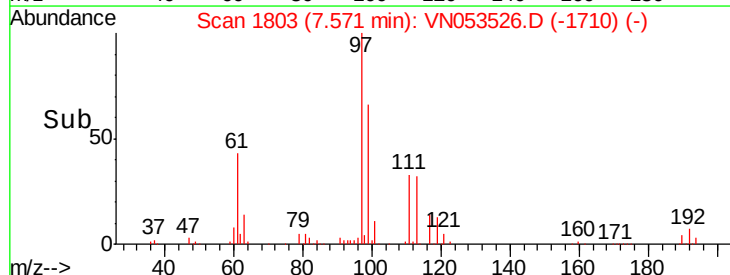
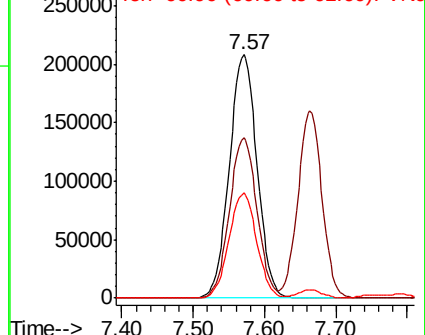


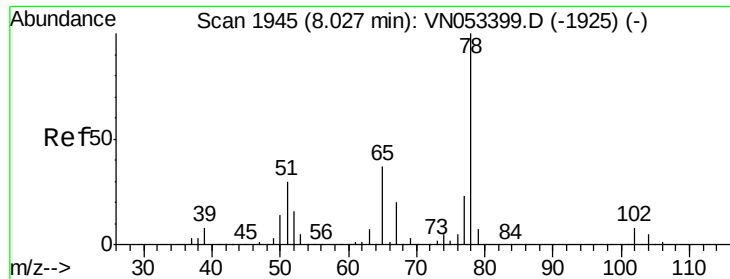
Abundance

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

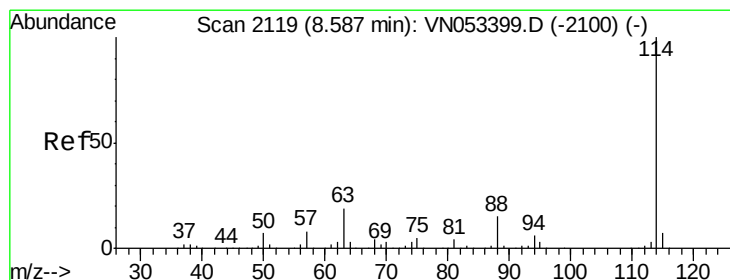
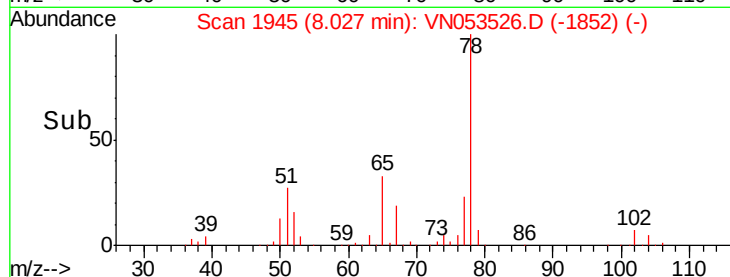
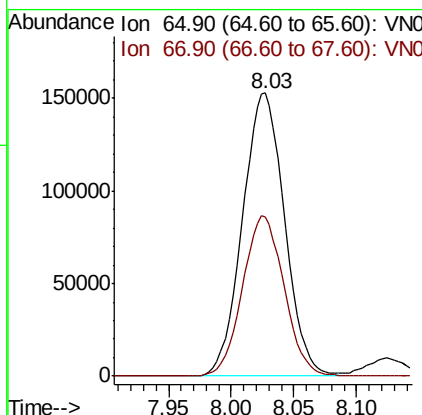
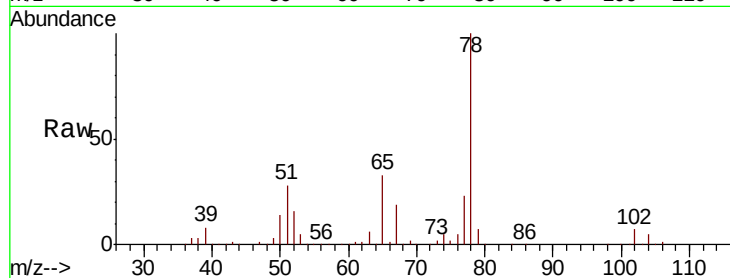




#33
 1,2-Dichloroethane-d4
 Concen: 49.691 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

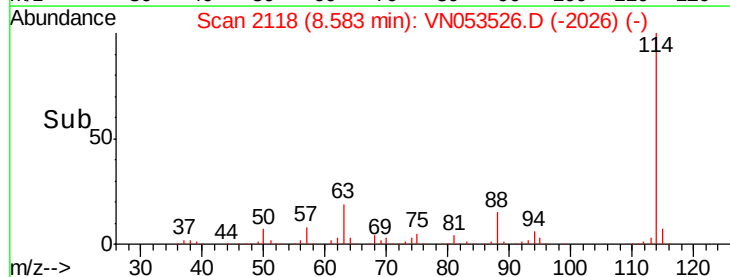
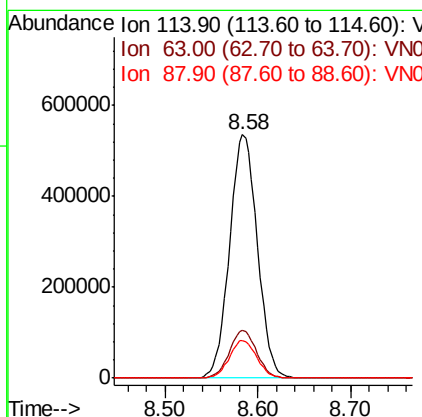
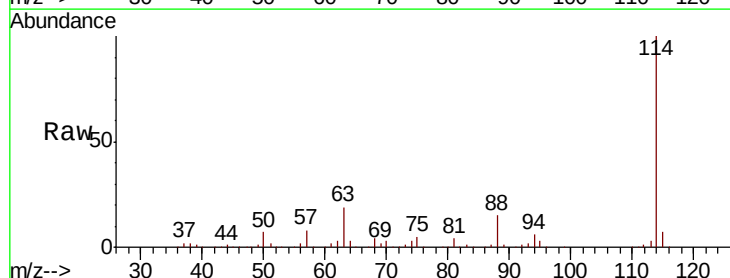
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

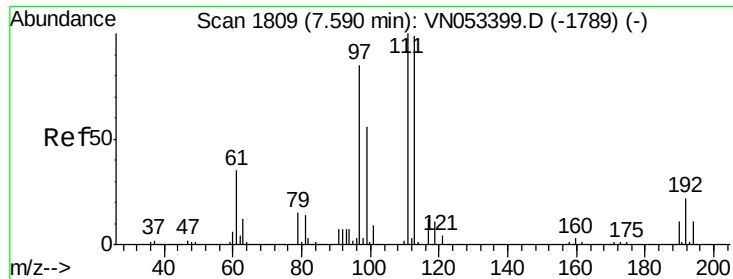
Tgt Ion: 65 Resp: 356365
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion: 114 Resp: 1111765
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.4 0.0 30.4

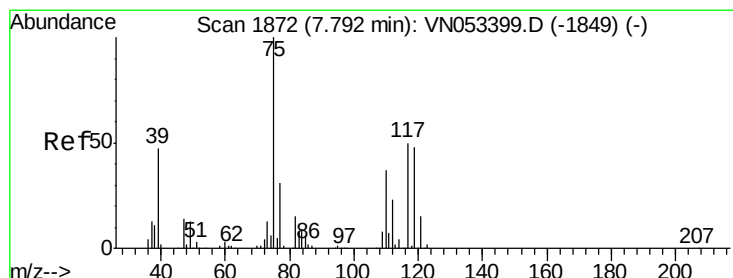
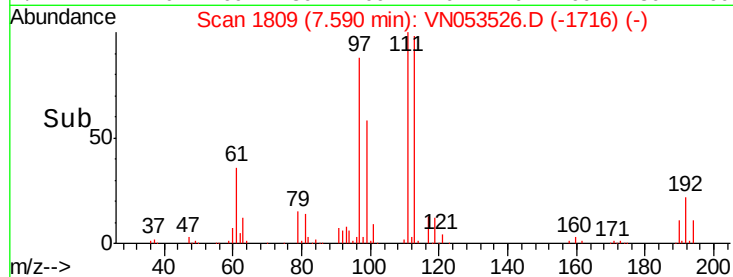
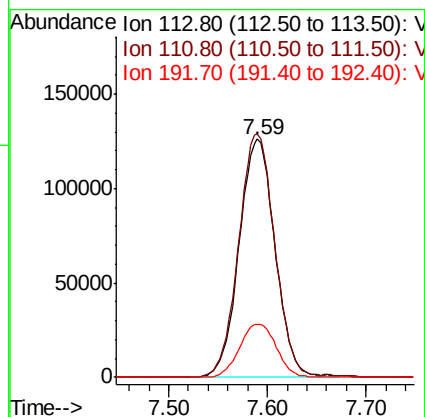
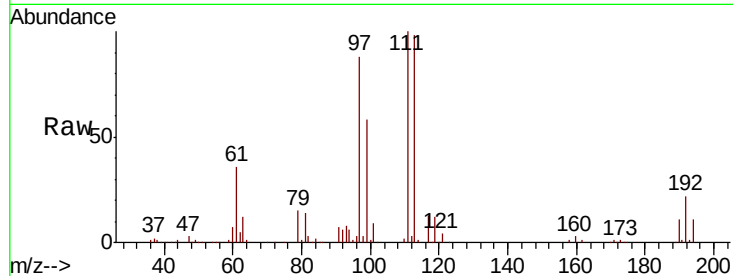




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

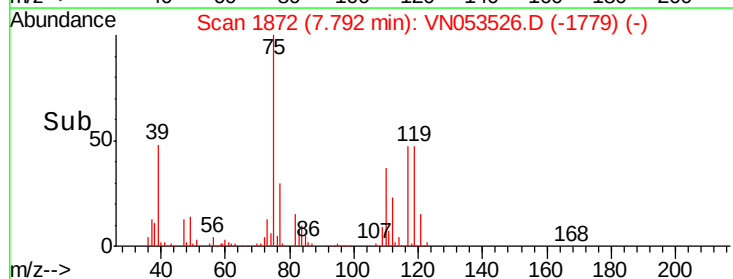
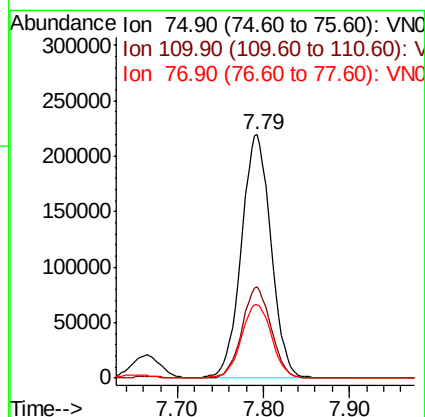
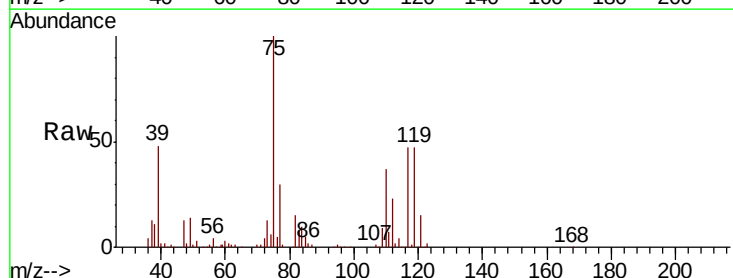
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

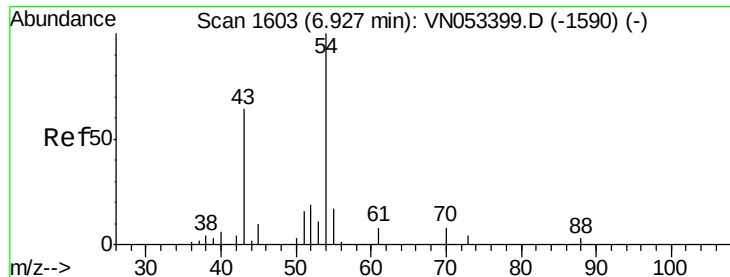
Tgt Ion: 113 Resp: 318805
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.1 121.7
 192 22.8 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 51.681 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion: 75 Resp: 523271
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.1 54.3
 77 31.3 25.1 37.7

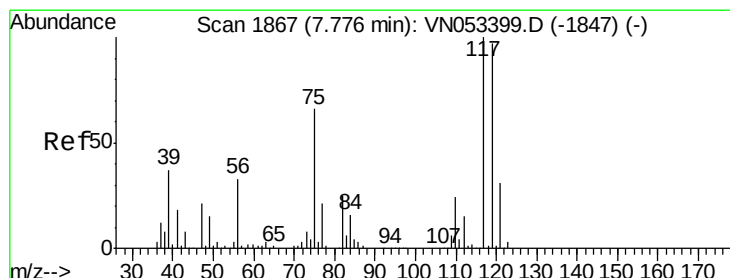
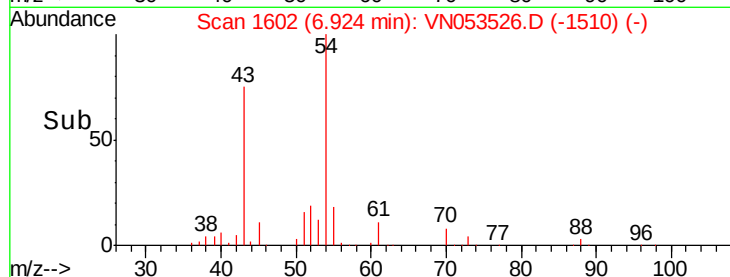
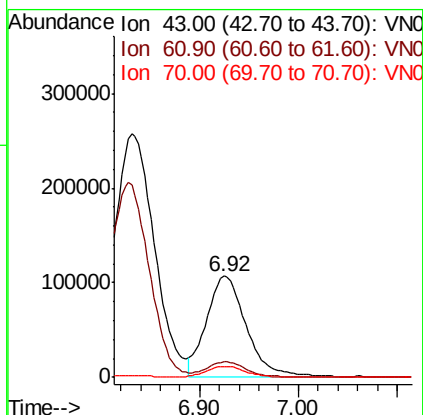
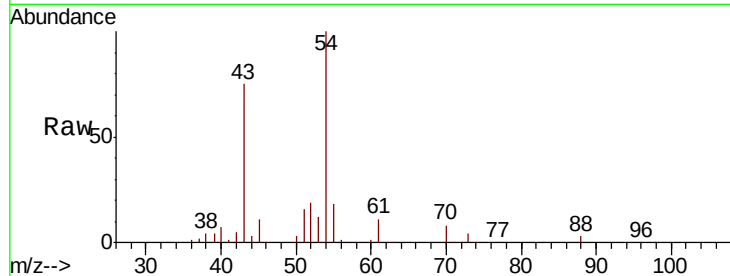




#37
Ethyl Acetate
Concen: 51.025 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

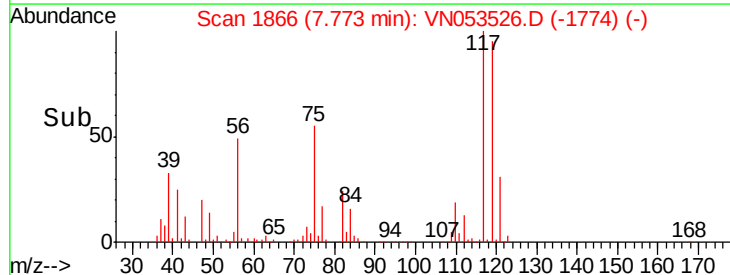
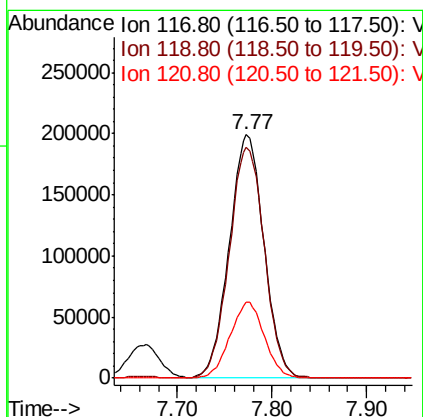
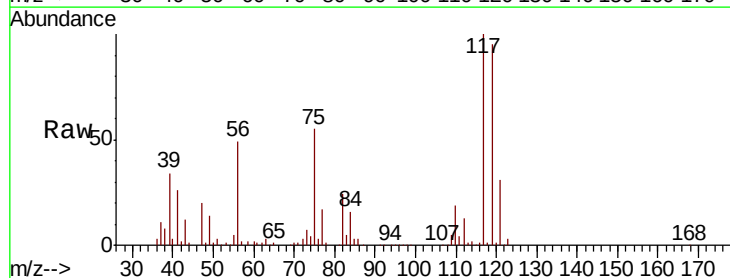
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

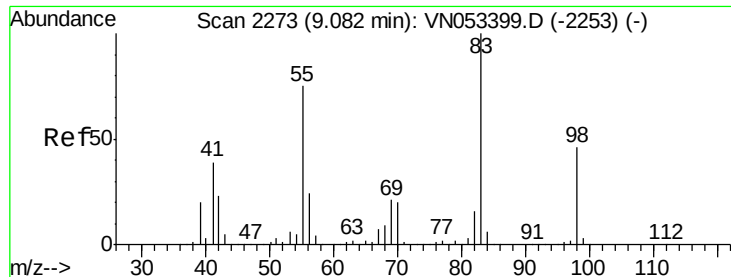
Tgt Ion: 43 Resp: 297230
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 10.7 8.6 12.8



#38
Carbon Tetrachloride
Concen: 52.681 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 117 Resp: 504981
Ion Ratio Lower Upper
117 100
119 94.7 77.2 115.8
121 31.3 24.6 37.0

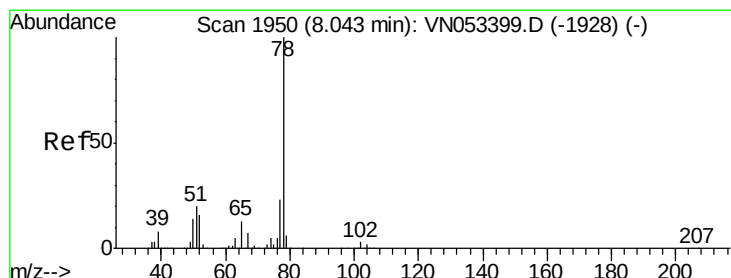
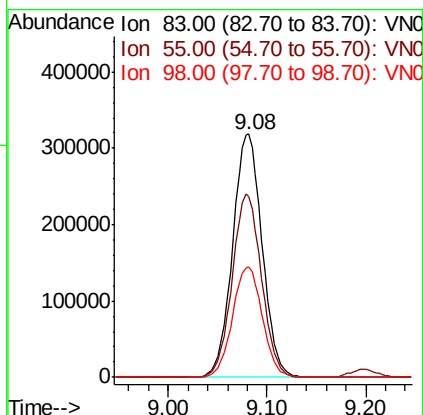
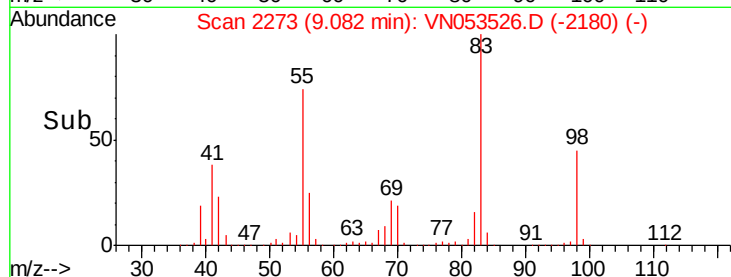
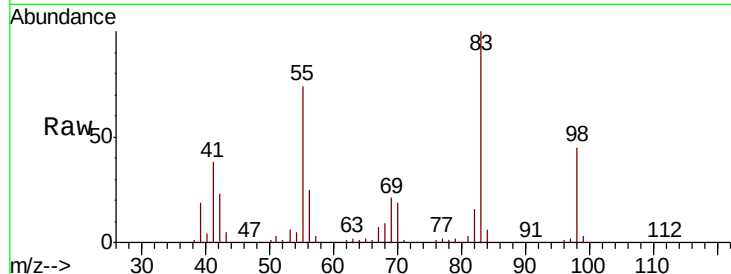




#39
Methylcyclohexane
Concen: 52.889 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

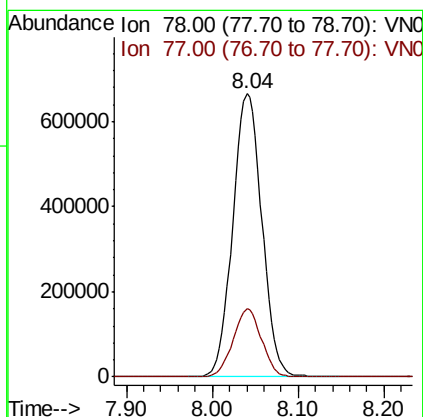
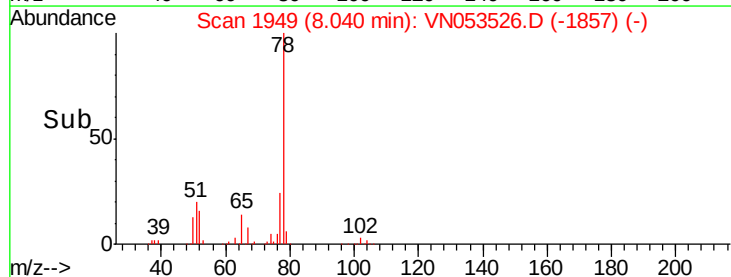
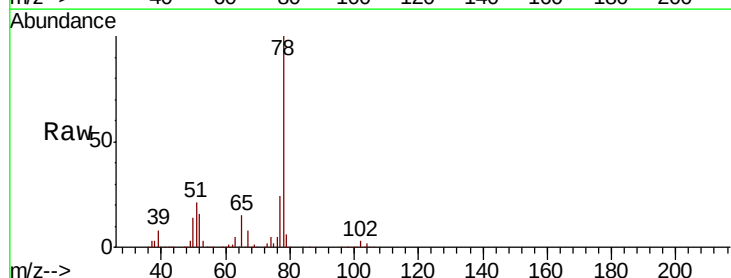
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

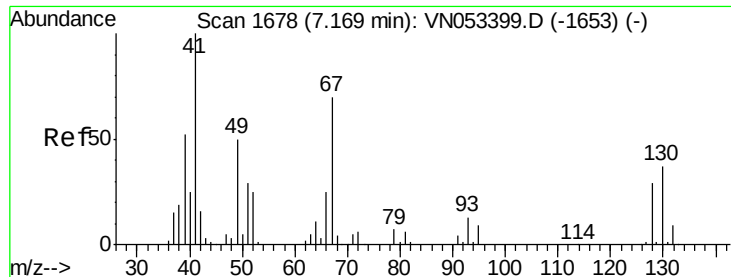
Tgt Ion: 83 Resp: 661874
Ion Ratio Lower Upper
83 100
55 74.3 60.1 90.1
98 45.1 36.6 55.0



#40
Benzene
Concen: 50.895 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 78 Resp: 1565943
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2

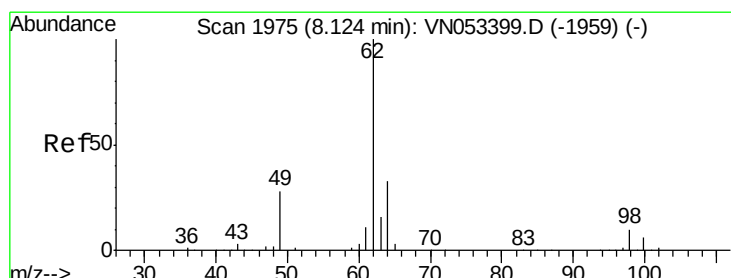
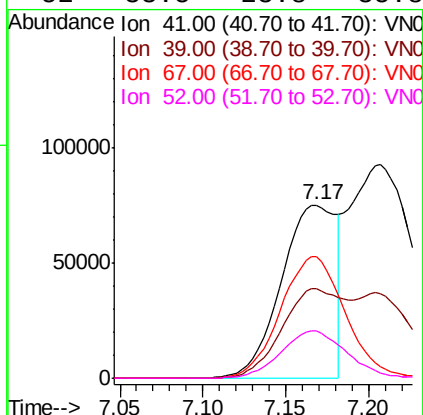
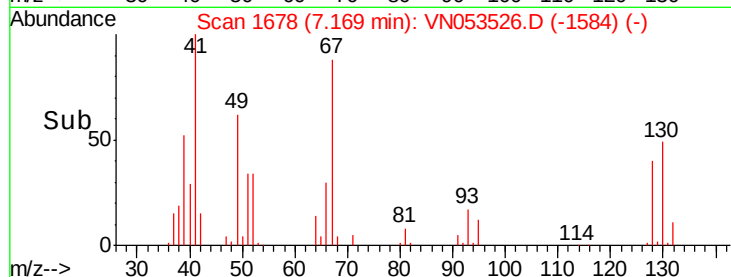
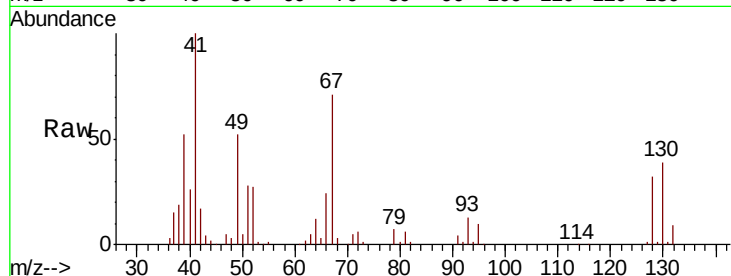




#41
Methacrylonitrile
Concen: 49.996 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

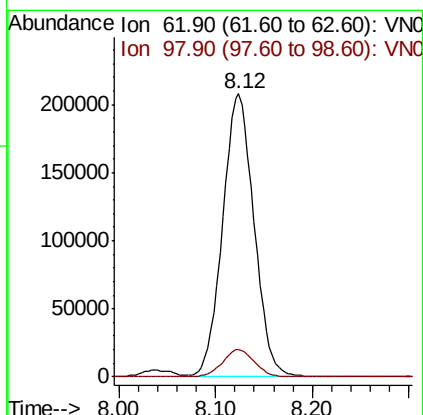
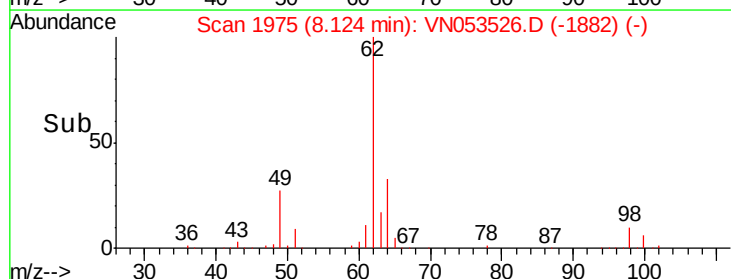
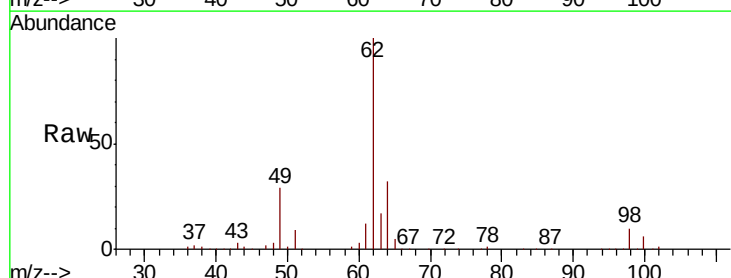
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

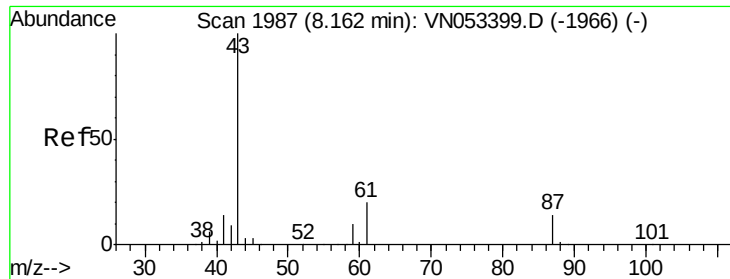
Tgt Ion: 41 Resp: 173053
Ion Ratio Lower Upper
41 100
39 57.9 46.8 70.2
67 83.0 63.0 94.6
52 33.5 23.8 35.8



#42
1,2-Dichloroethane
Concen: 52.078 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 62 Resp: 466810
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6





#43

Isopropyl Acetate

Concen: 51.543 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

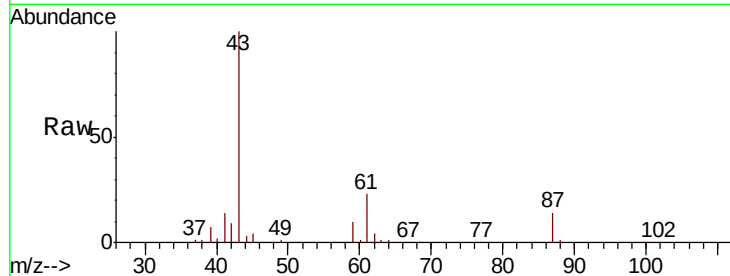
Tgt Ion: 43 Resp: 539880

Ion Ratio Lower Upper

43 100

61 30.7 23.9 35.9

87 14.0 11.0 16.6

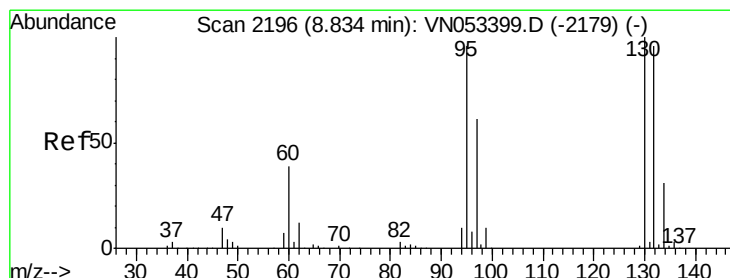
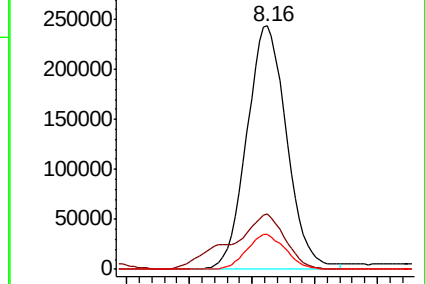
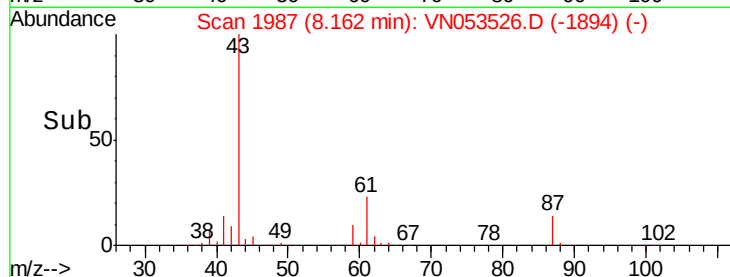


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 52.879 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053526.D

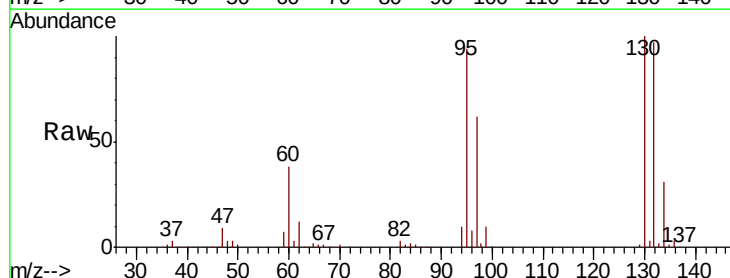
Acq: 23 Jan 2019 9:44

Tgt Ion: 130 Resp: 451189

Ion Ratio Lower Upper

130 100

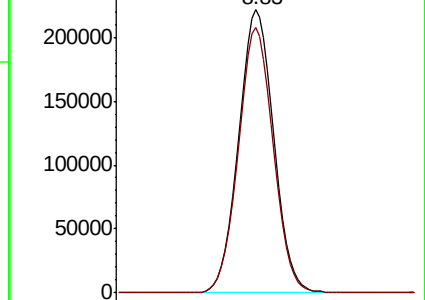
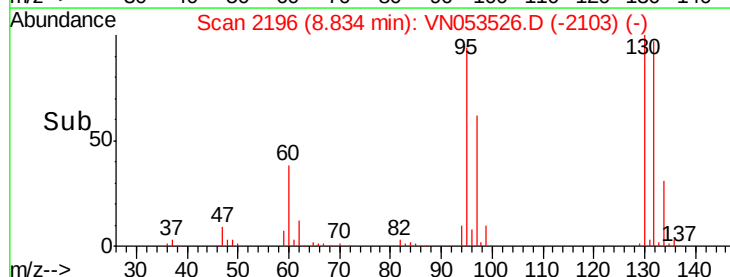
95 93.9 0.0 191.4

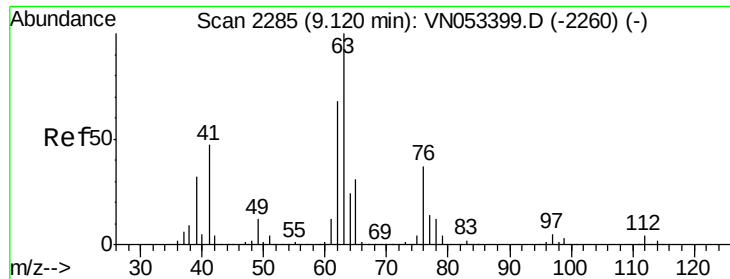


Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

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

Time-->

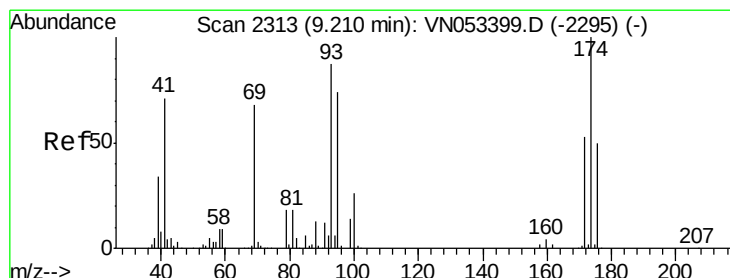
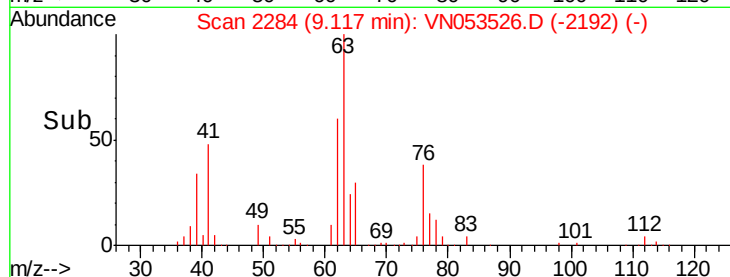
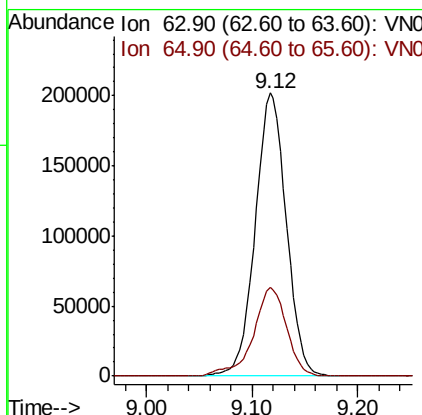
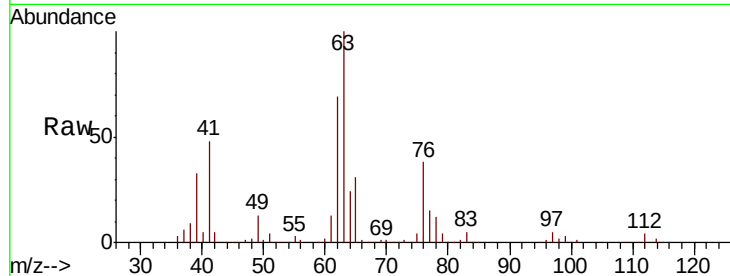




#45
 1,2-Dichloropropane
 Concen: 50.900 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

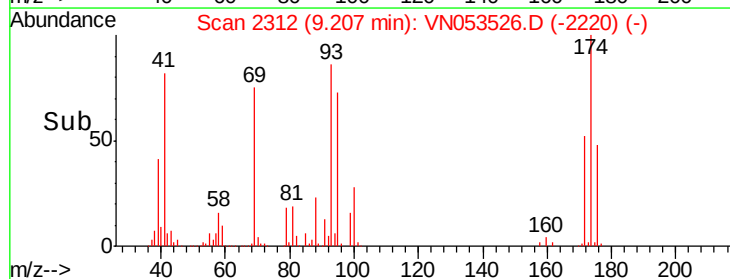
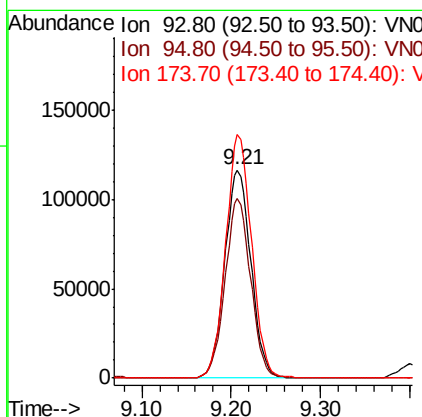
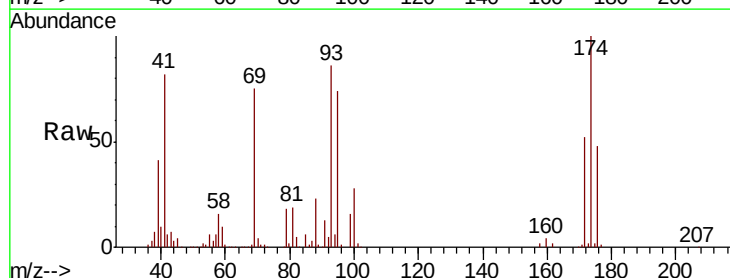
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

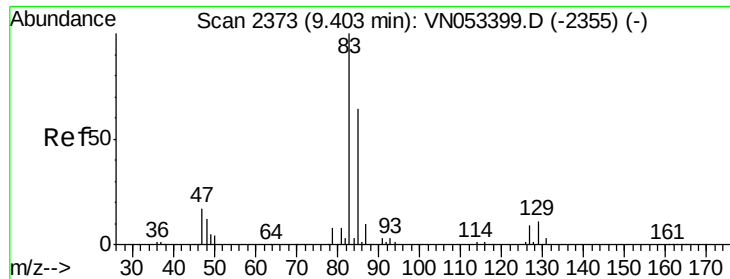
Tgt Ion: 63 Resp: 414807
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4



#46
 Dibromomethane
 Concen: 50.565 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion: 93 Resp: 236757
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.3 100.9
 174 115.6 91.0 136.4





#47

Bromodichloromethane

Concen: 52.840 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

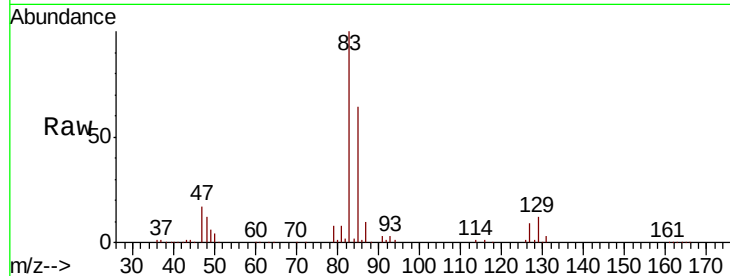
Tgt Ion: 83 Resp: 520298

Ion Ratio Lower Upper

83 100

85 63.5 51.0 76.6

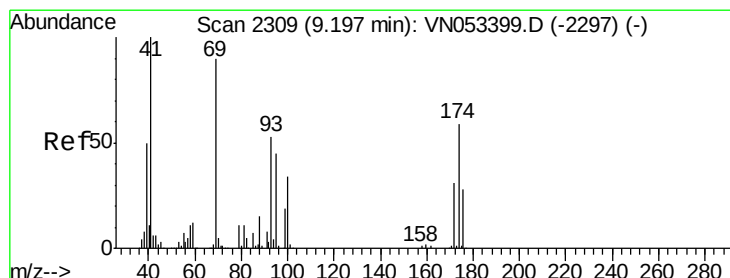
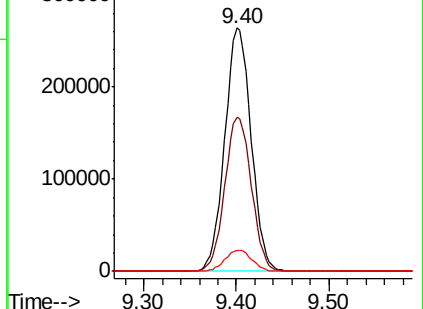
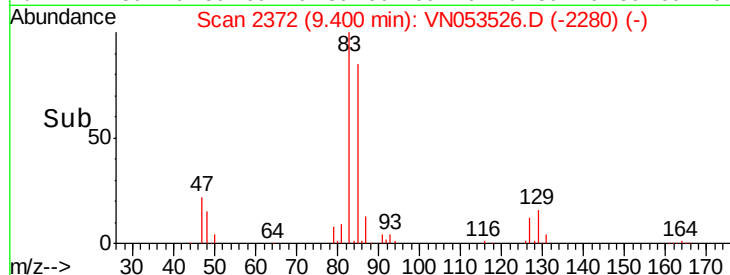
127 8.8 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 50.274 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

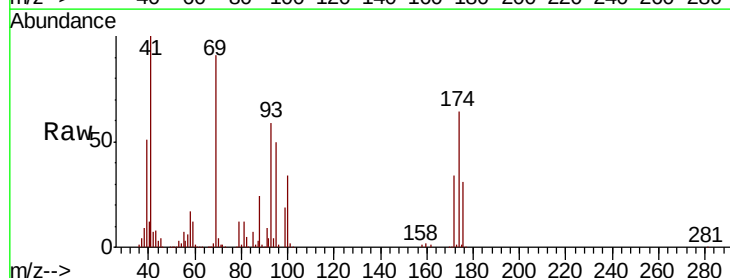
Tgt Ion: 41 Resp: 271889

Ion Ratio Lower Upper

41 100

69 94.6 73.8 110.6

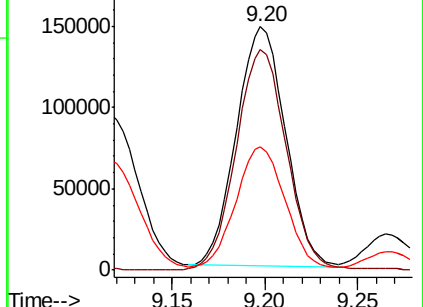
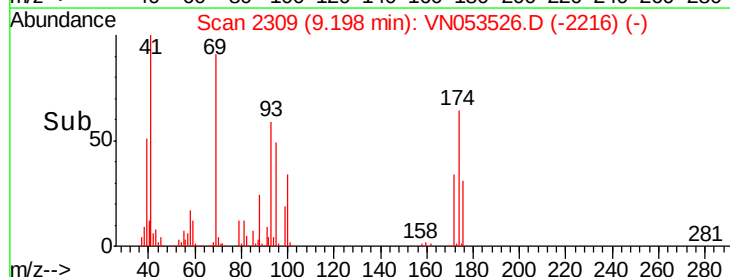
39 52.3 40.0 60.0

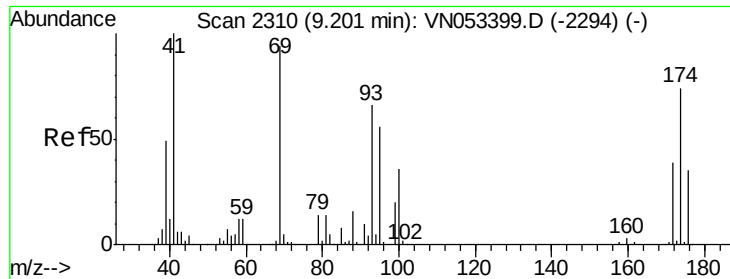


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1441.036 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

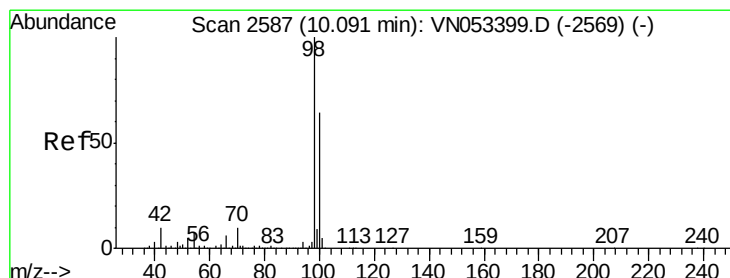
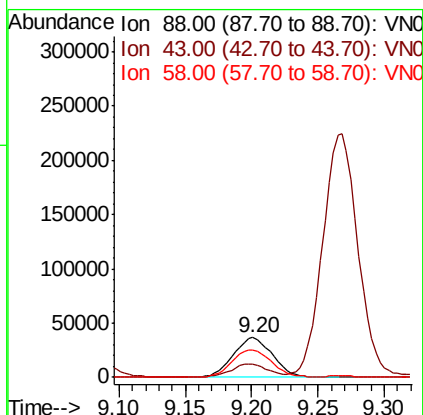
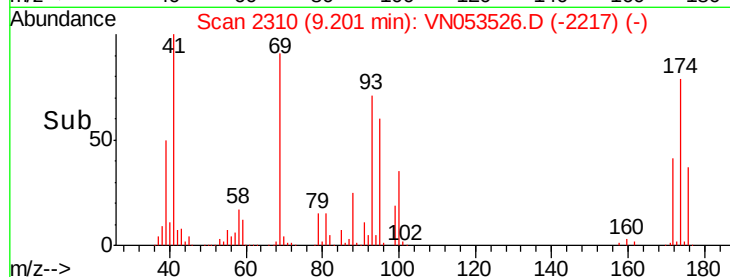
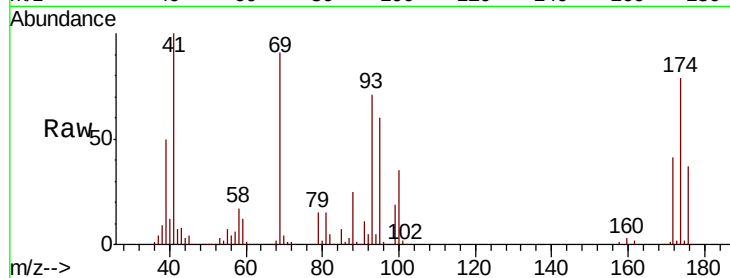
Tgt Ion: 88 Resp: 76112

Ion Ratio Lower Upper

88 100

43 30.4 27.8 41.6

58 70.3 56.5 84.7



#50

Toluene-d8

Concen: 1441.036 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053526.D

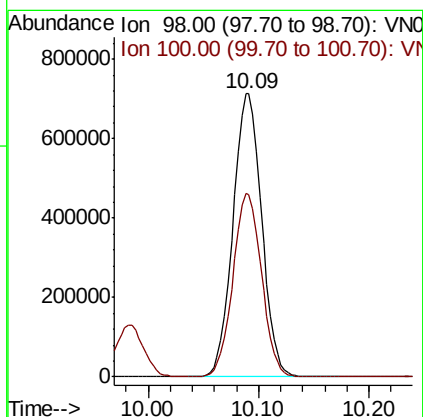
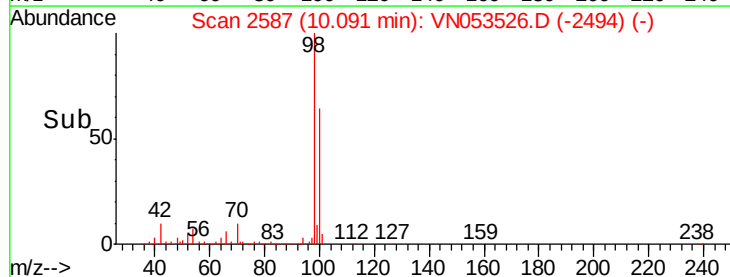
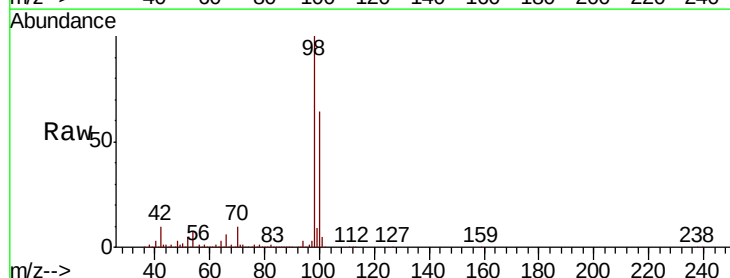
Acq: 23 Jan 2019 9:44

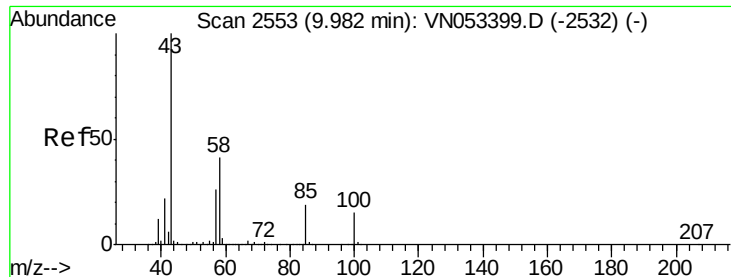
Tgt Ion: 98 Resp: 1286893

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

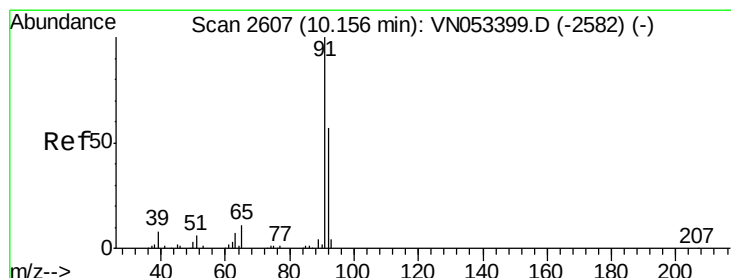
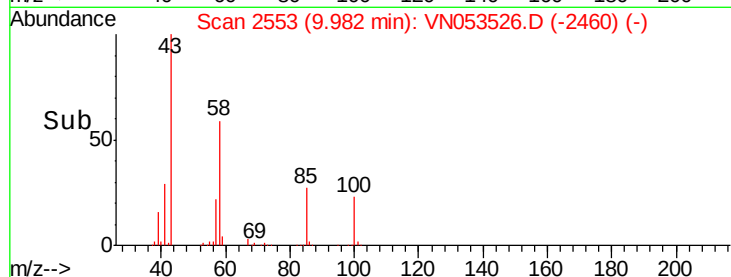
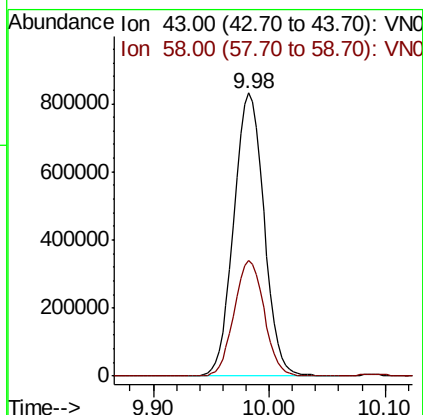
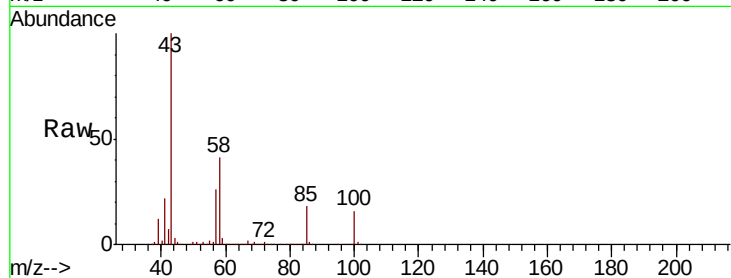




#51
 4-Methyl-2-Pentanone
 Concen: 262.796 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

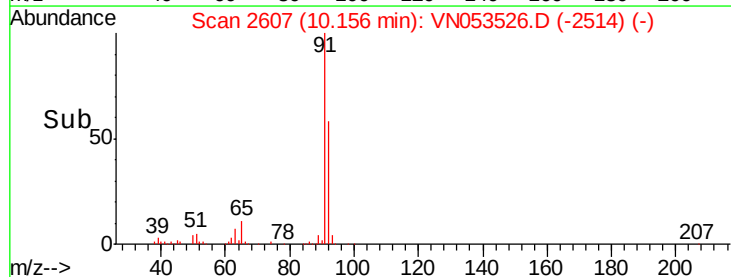
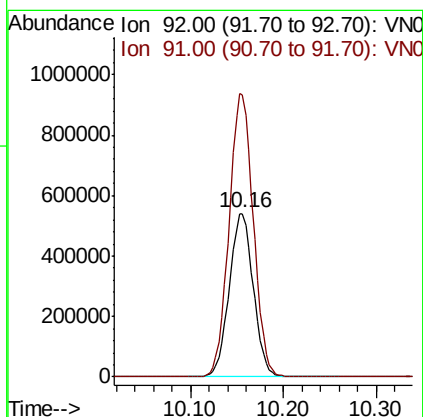
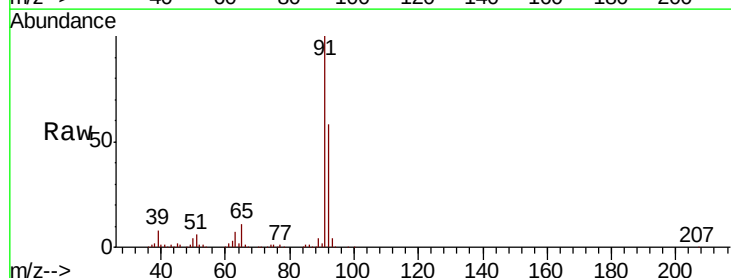
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

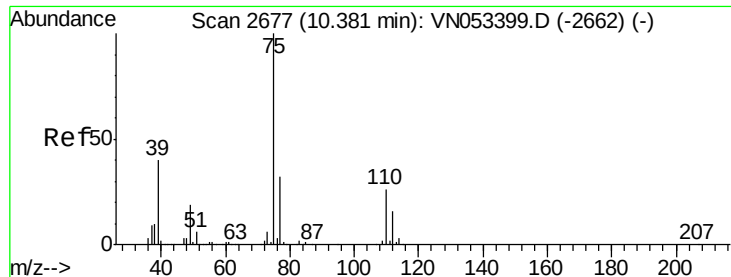
Tgt Ion: 43 Resp: 1502644
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.8 49.2



#52
 Toluene
 Concen: 50.940 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion: 92 Resp: 973023
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 53.122 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

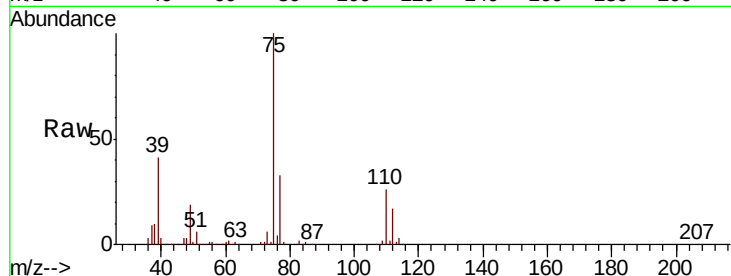
VSTDCCC050

Tgt Ion: 75 Resp: 530185

Ion Ratio Lower Upper

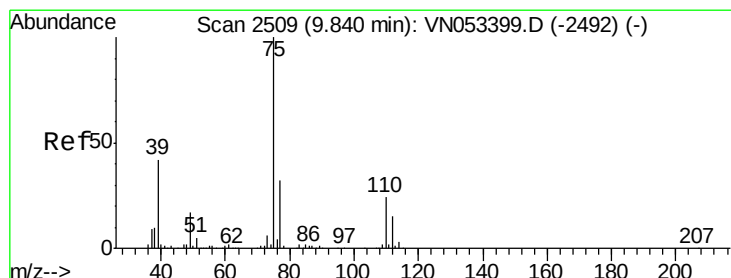
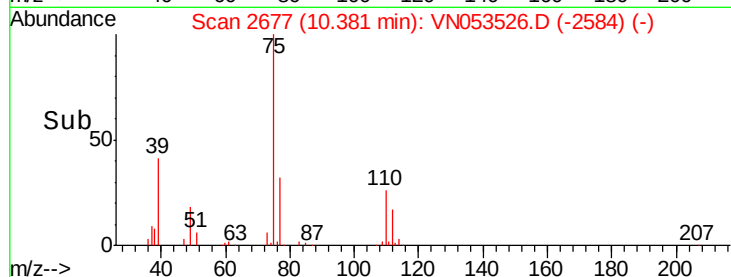
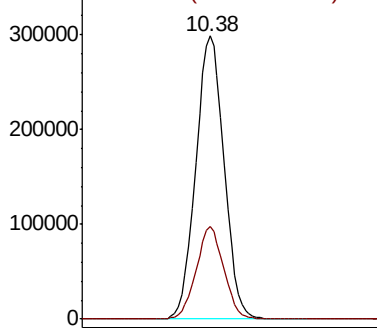
75 100

77 32.4 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.366 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

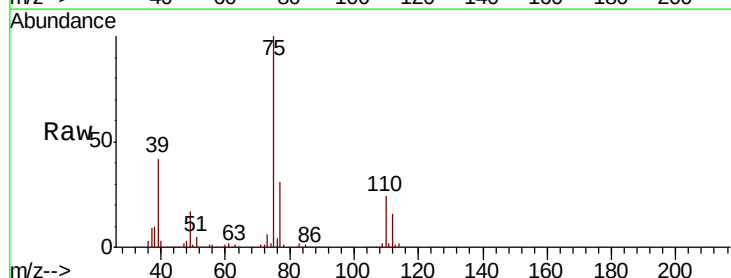
Tgt Ion: 75 Resp: 624369

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6

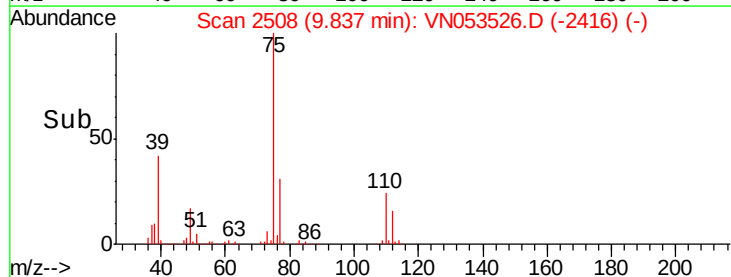
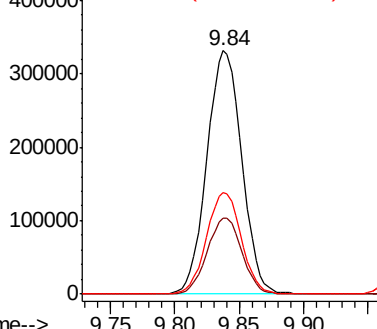
39 41.6 33.4 50.0

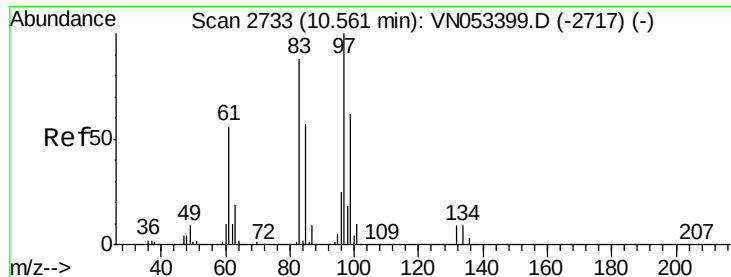


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

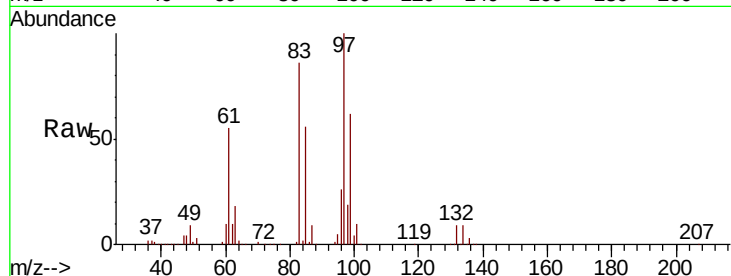




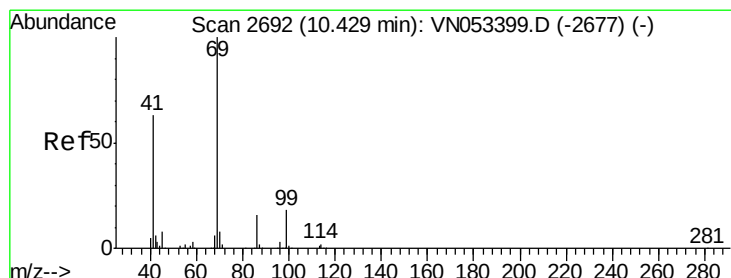
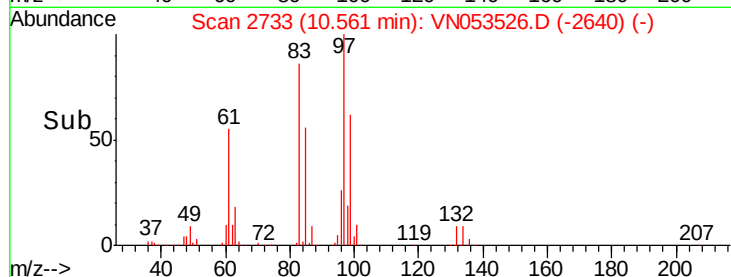
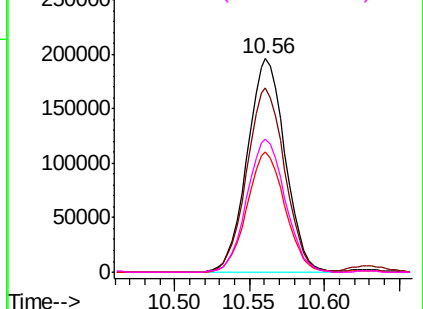
#55
 1,1,2-Trichloroethane
 Concen: 52.446 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	345385
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.1	105.1
85	56.1	45.4	68.0
99	62.4	49.8	74.8

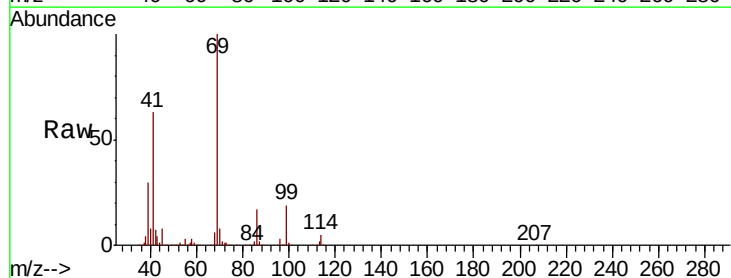


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

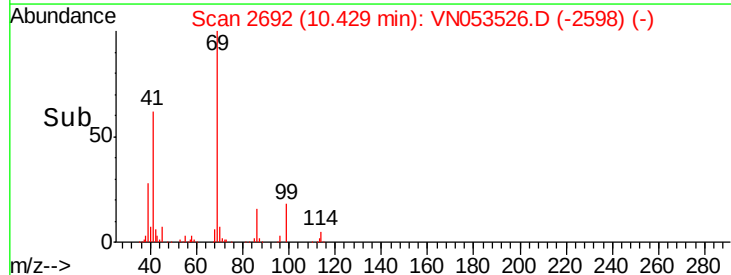
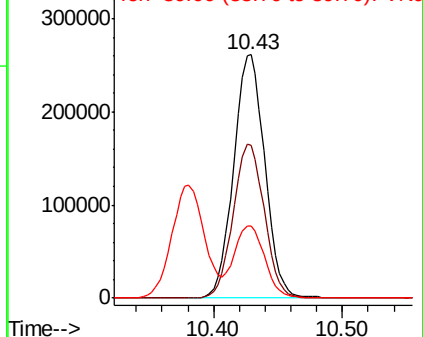


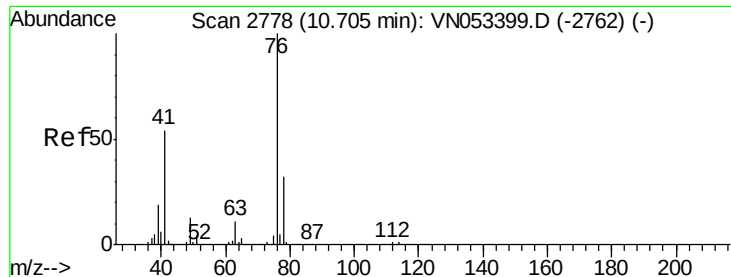
#56
 Ethyl methacrylate
 Concen: 47.005 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion:	69	Resp:	438107
Ion	Ratio	Lower	Upper
69	100		
41	62.8	49.4	74.0
39	29.4	23.3	34.9



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

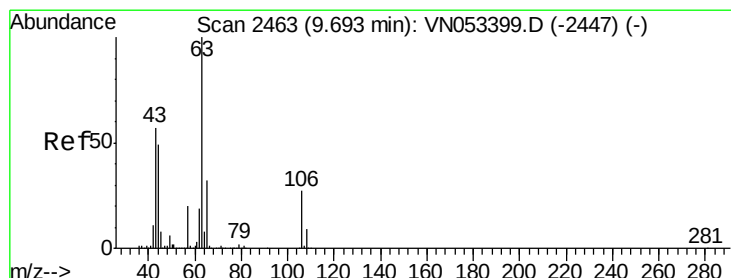
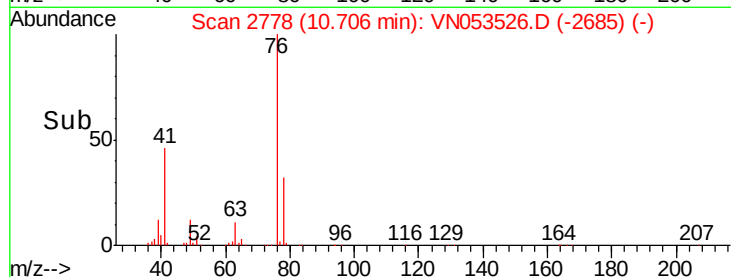
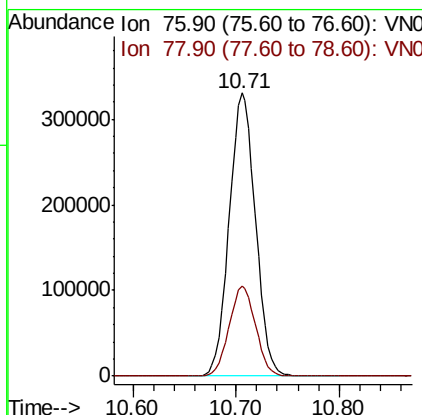
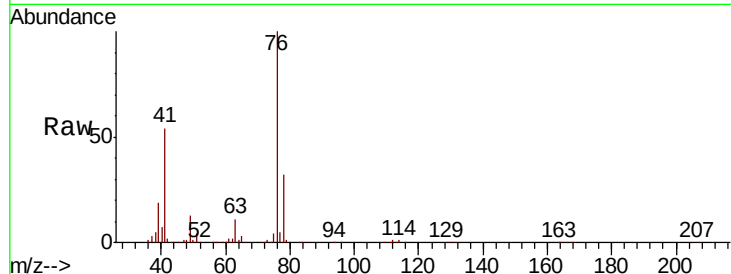




#57
 1,3-Dichloropropane
 Concen: 51.437 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

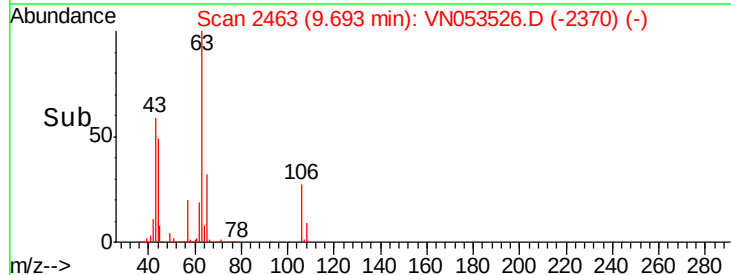
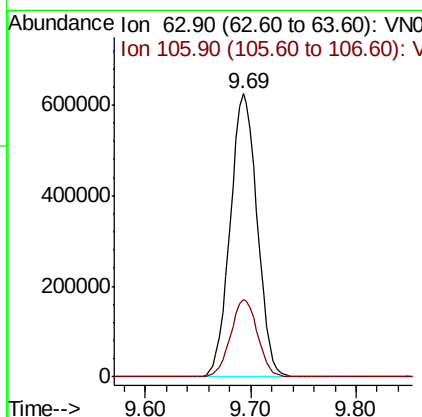
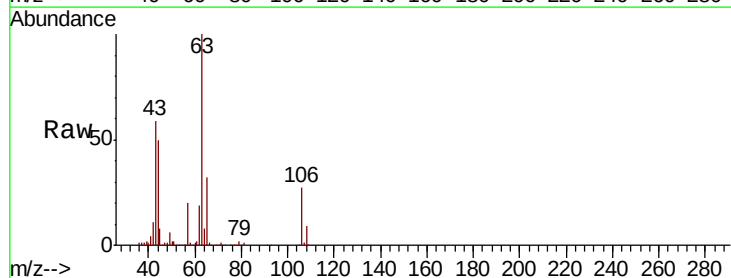
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

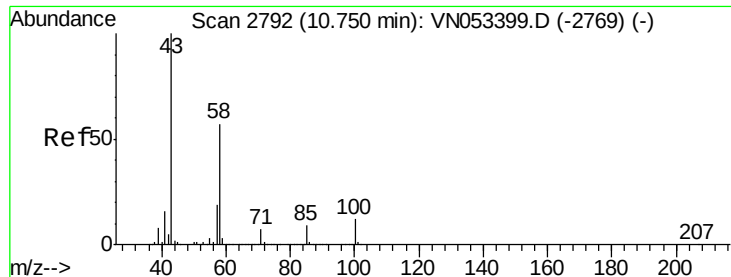
Tgt Ion: 76 Resp: 585979
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.605 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion: 63 Resp: 1103888
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.5 32.3

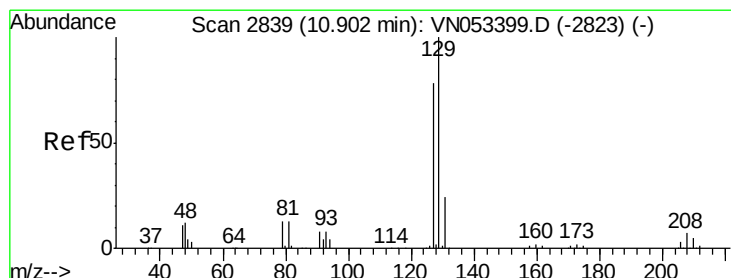
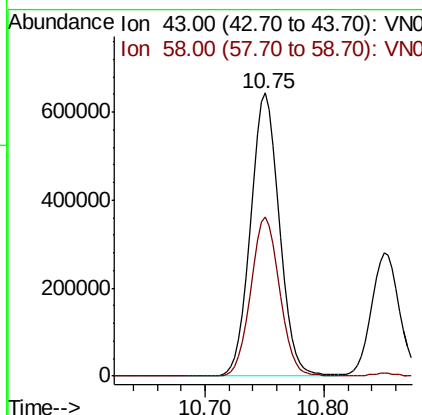
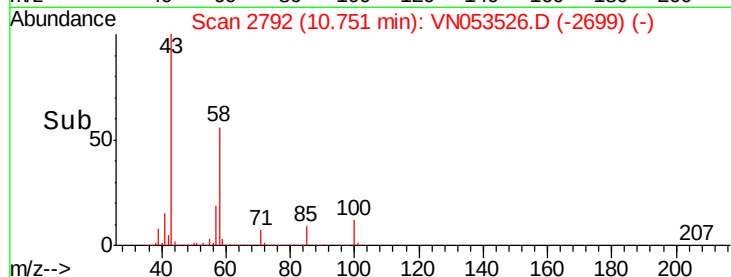
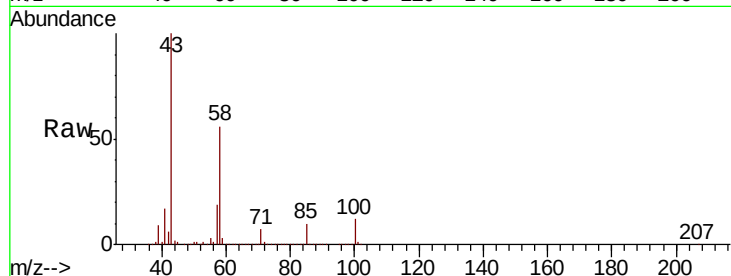




#59
2-Hexanone
Concen: 267.710 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

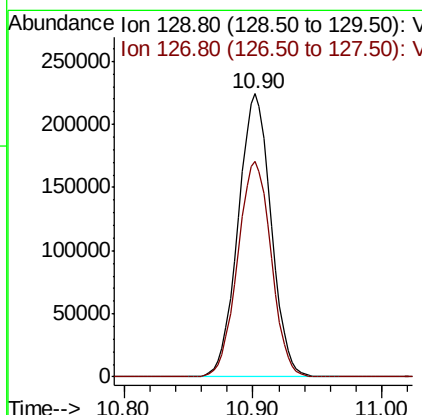
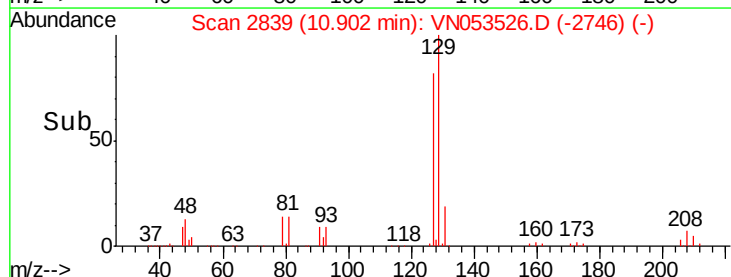
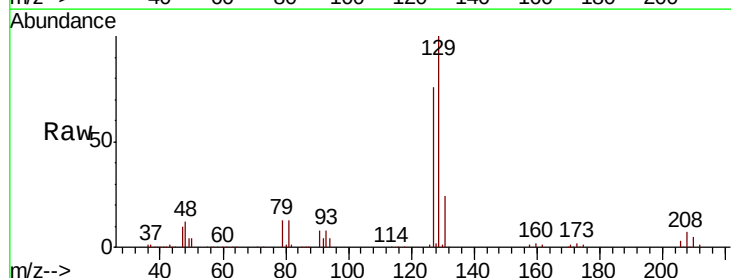
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

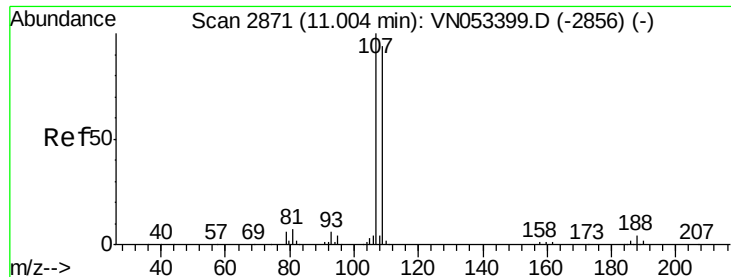
Tgt Ion: 43 Resp: 1074562
Ion Ratio Lower Upper
43 100
58 56.5 28.6 85.8



#60
Dibromochloromethane
Concen: 53.367 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 129 Resp: 398613
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

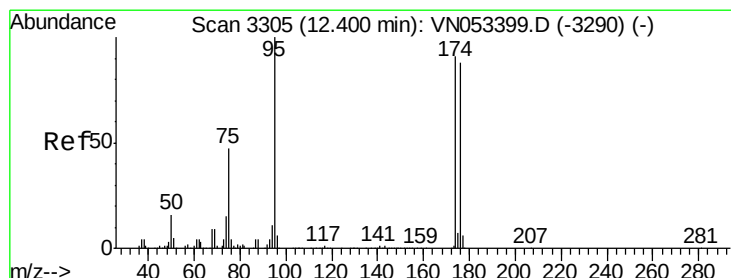
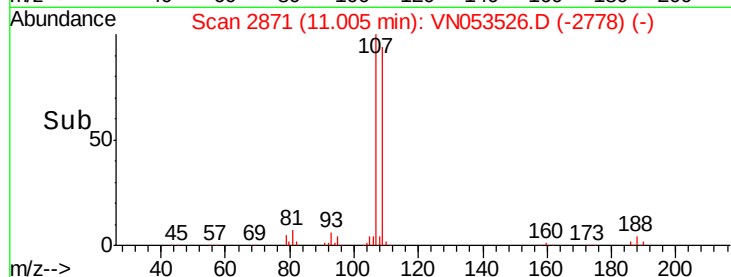
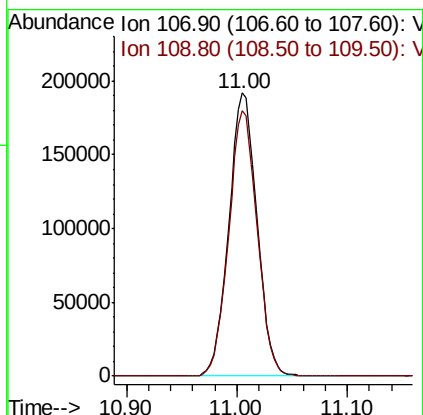
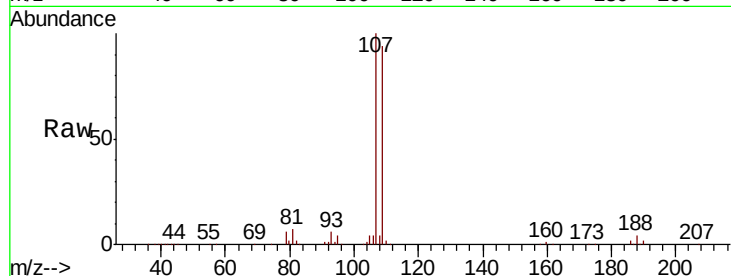




#61
1,2-Dibromoethane
Concen: 51.053 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

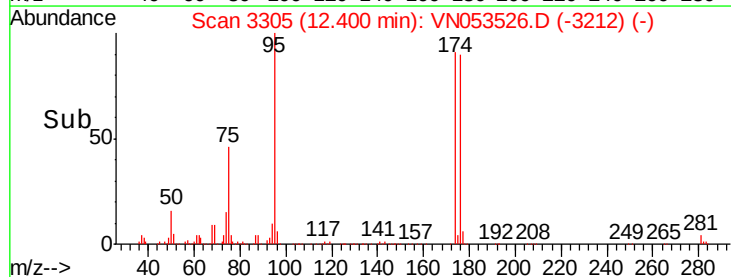
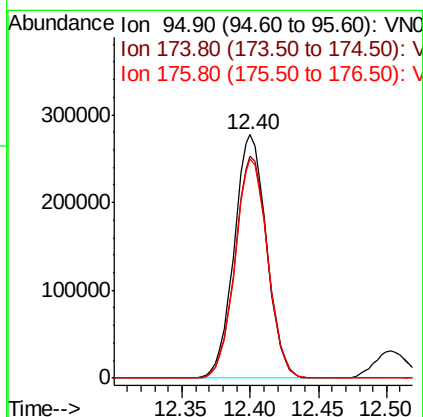
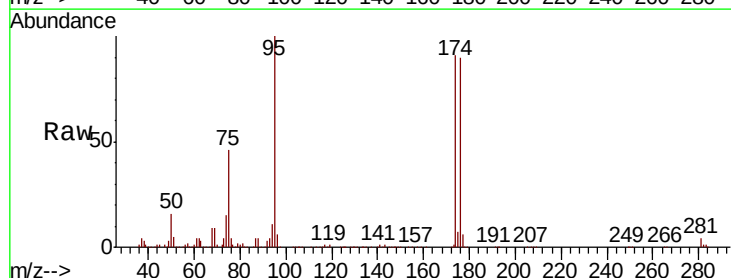
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

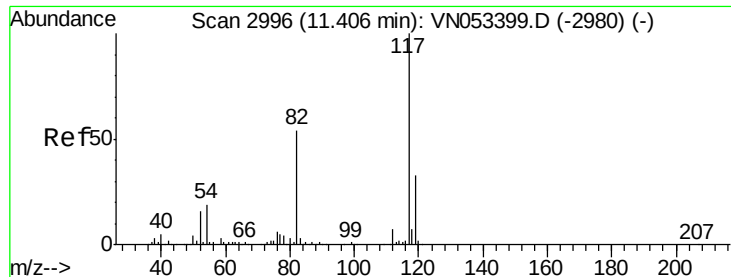
Tgt Ion: 107 Resp: 340025
Ion Ratio Lower Upper
107 100
109 94.7 75.7 113.5



#62
4-Bromofluorobenzene
Concen: 51.053 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion: 95 Resp: 455240
Ion Ratio Lower Upper
95 100
174 91.9 0.0 183.2
176 90.3 0.0 177.4

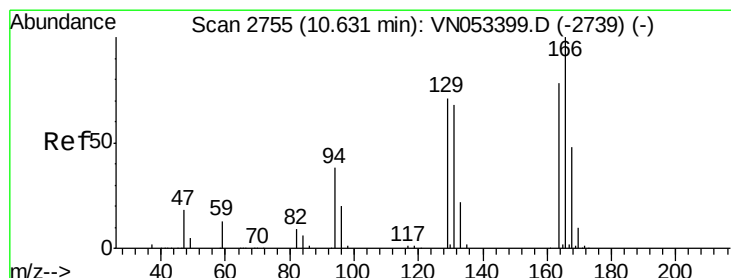
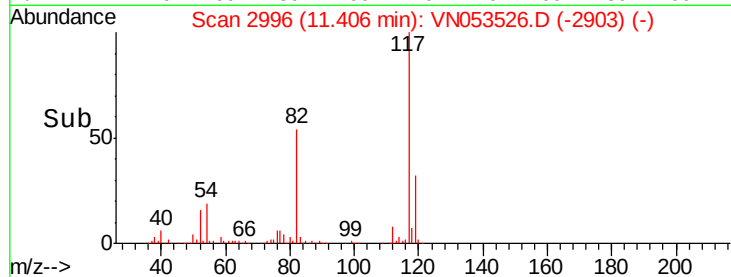
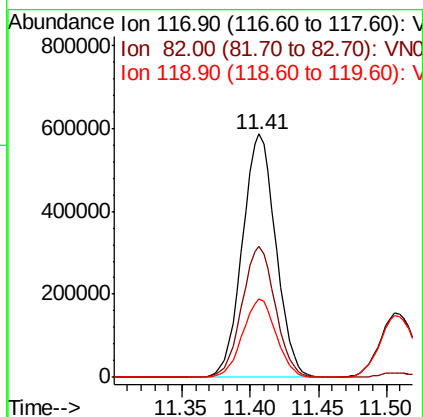
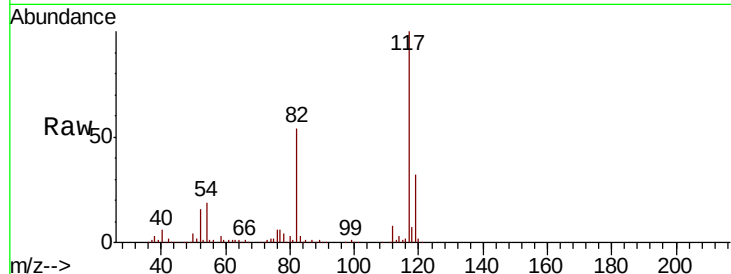




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

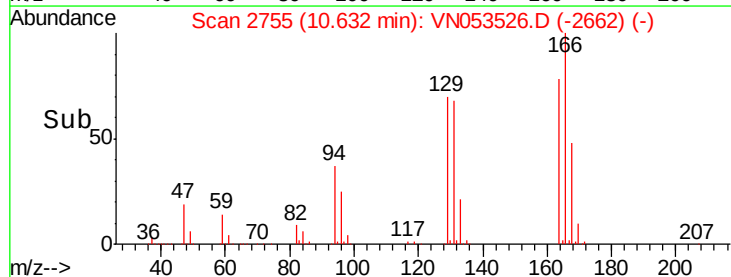
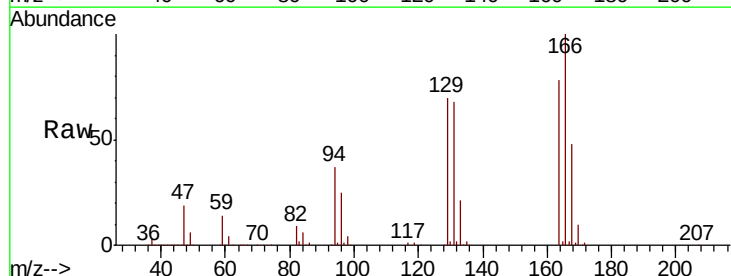
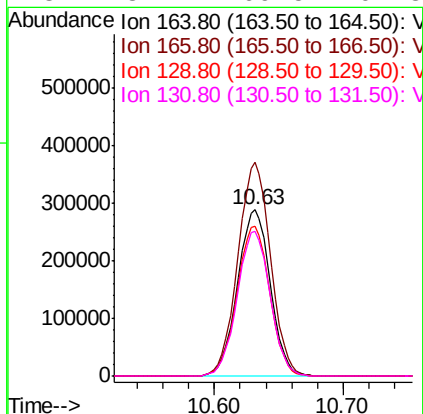
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

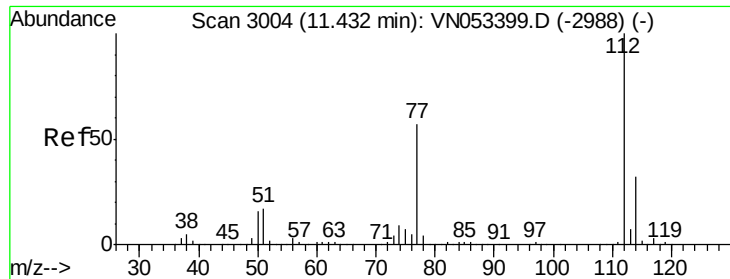
Tgt Ion:117 Resp: 997781
Ion Ratio Lower Upper
117 100
82 53.5 42.9 64.3
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 54.254 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion:164 Resp: 510149
Ion Ratio Lower Upper
164 100
166 128.5 102.2 153.4
129 90.2 72.6 109.0
131 87.4 69.5 104.3

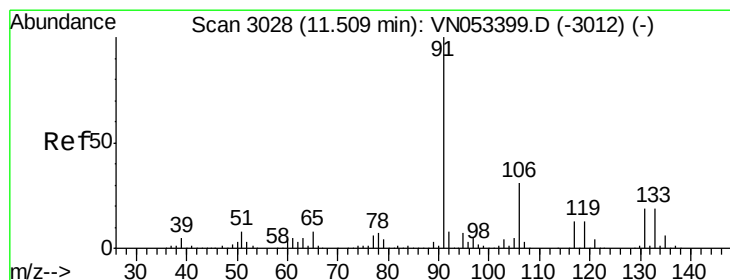
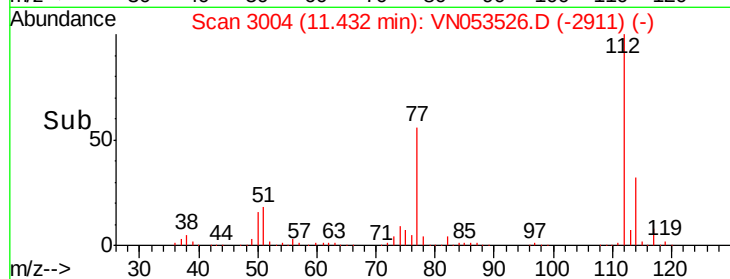
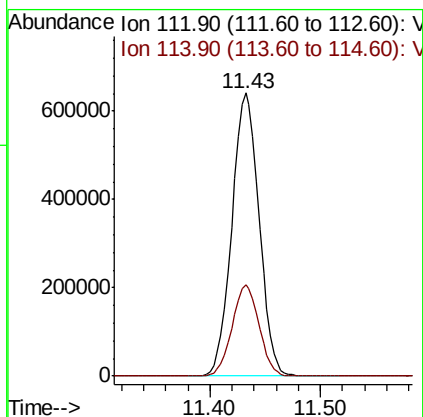
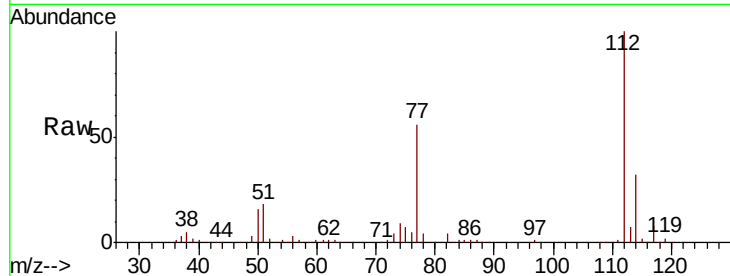




#65
Chlorobenzene
Concen: 51.826 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

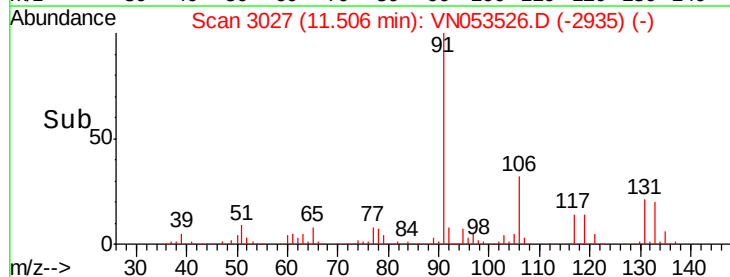
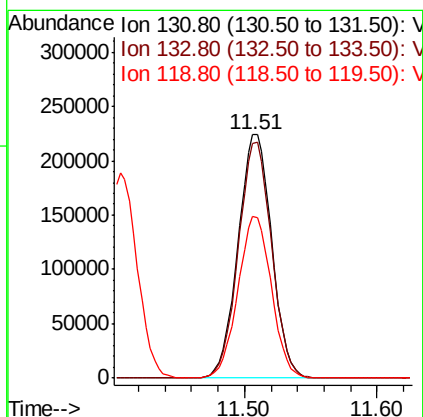
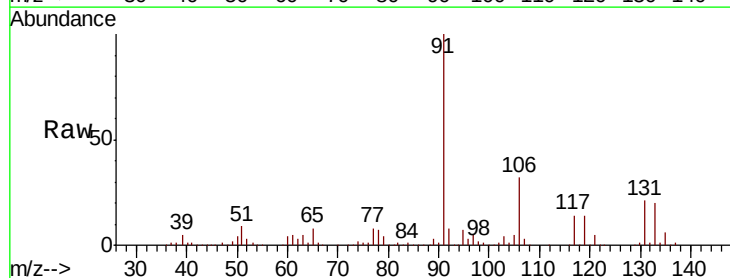
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

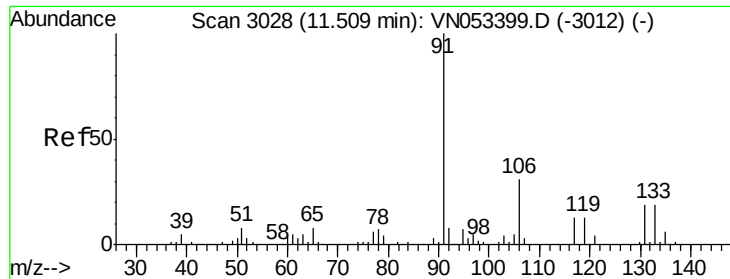
Tgt Ion:112 Resp: 1094550
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.722 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion:131 Resp: 394711
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.0
119 66.0 33.5 100.5





#67

Ethyl Benzene

Concen: 52.196 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

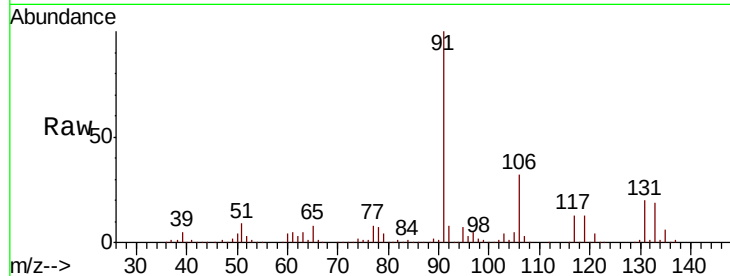
VSTDCCC050

Tgt Ion: 91 Resp: 1878693

Ion Ratio Lower Upper

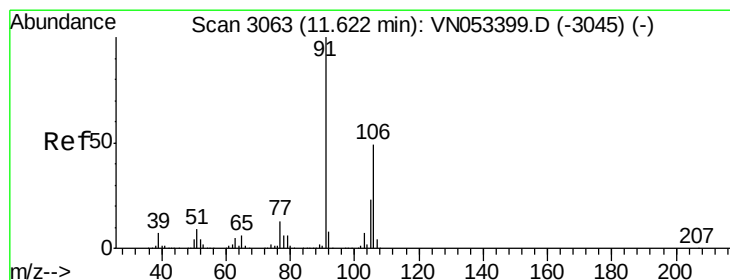
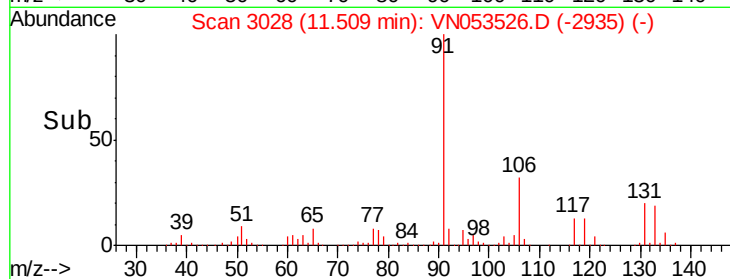
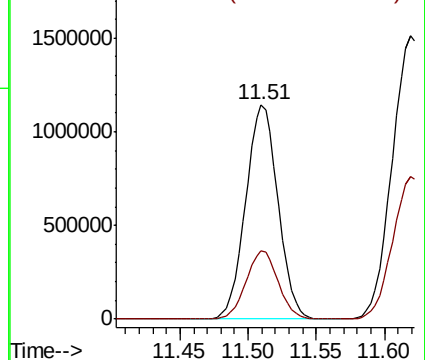
91 100

106 31.7 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 106.098 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053526.D

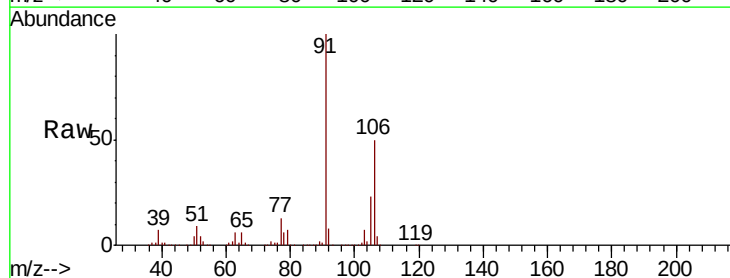
Acq: 23 Jan 2019 9:44

Tgt Ion: 106 Resp: 1441803

Ion Ratio Lower Upper

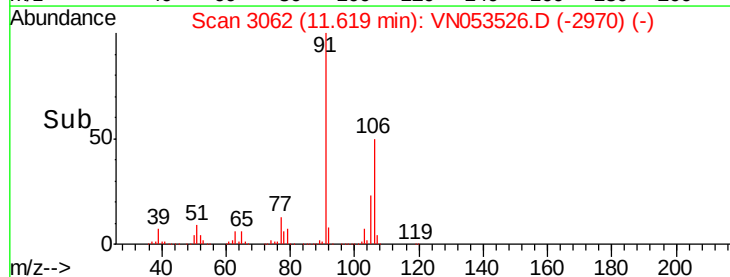
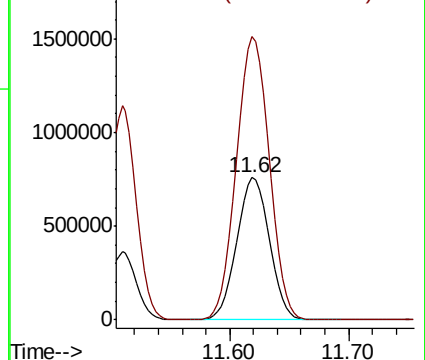
106 100

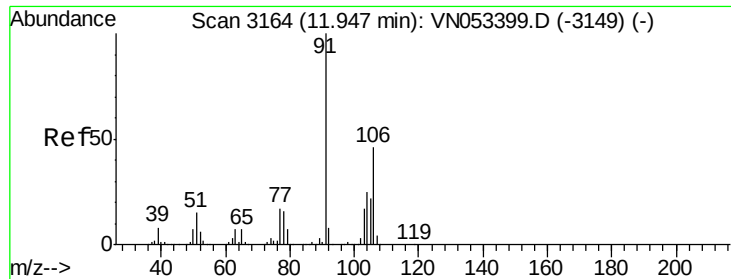
91 201.3 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

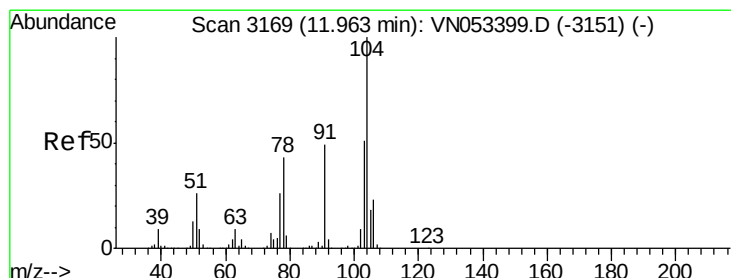
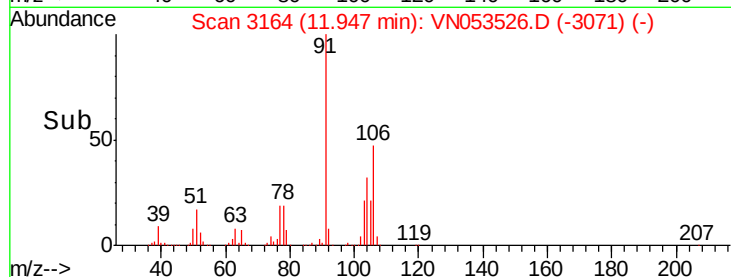
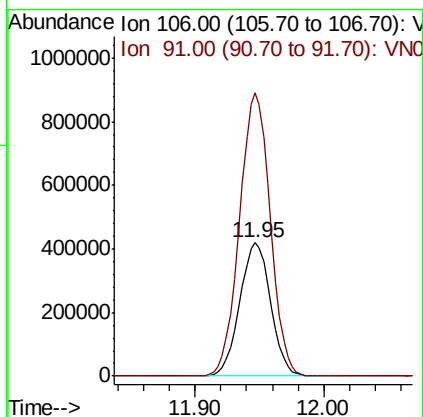
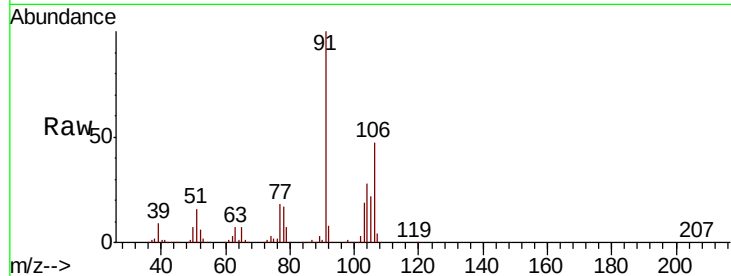




#69
o-Xylene
Concen: 52.878 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

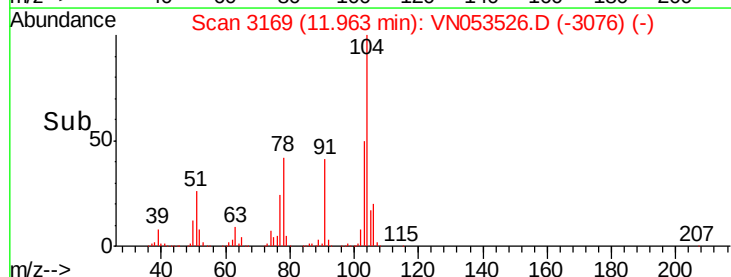
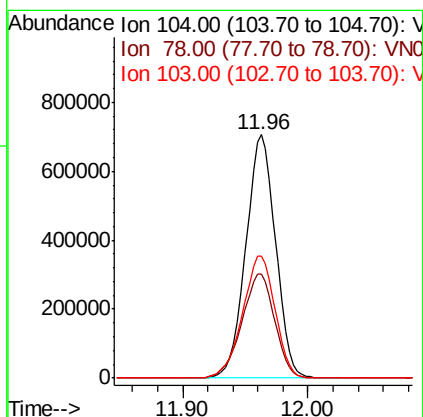
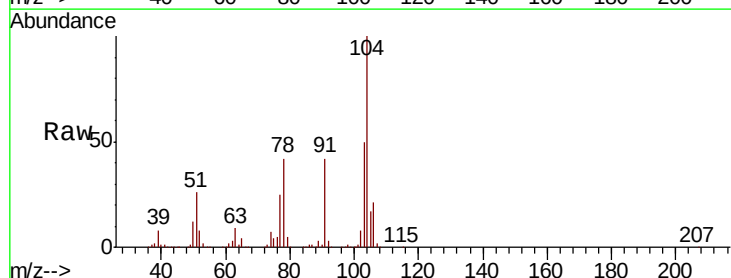
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

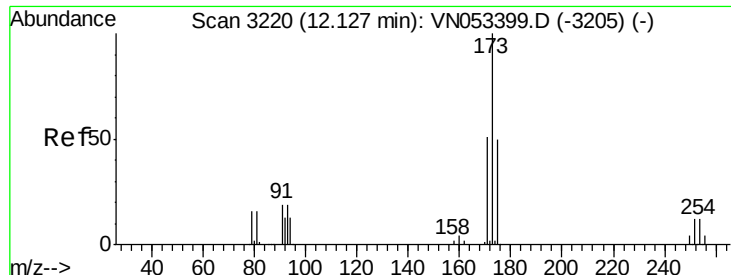
Tgt Ion:106 Resp: 698242
Ion Ratio Lower Upper
106 100
91 211.2 106.9 320.8



#70
Styrene
Concen: 54.301 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053526.D
Acq: 23 Jan 2019 9:44

Tgt Ion:104 Resp: 1163713
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 54.9 44.4 66.6





#71

Bromoform

Concen: 54.092 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

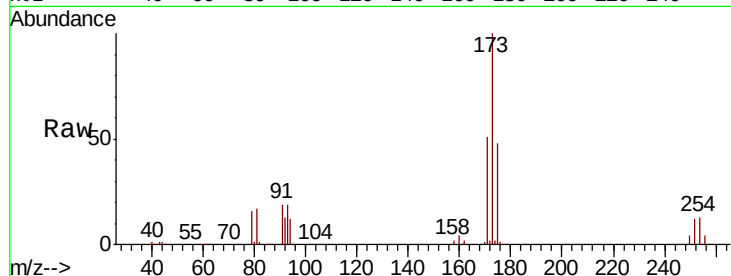
Tgt Ion:173 Resp: 273604

Ion Ratio Lower Upper

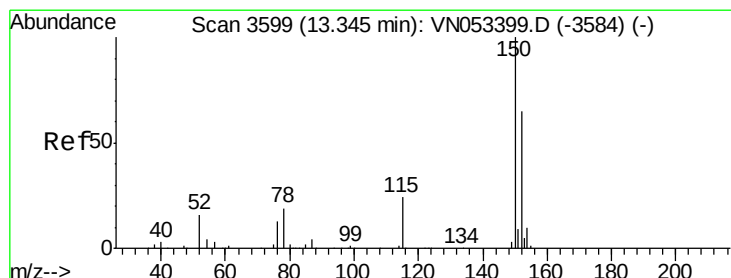
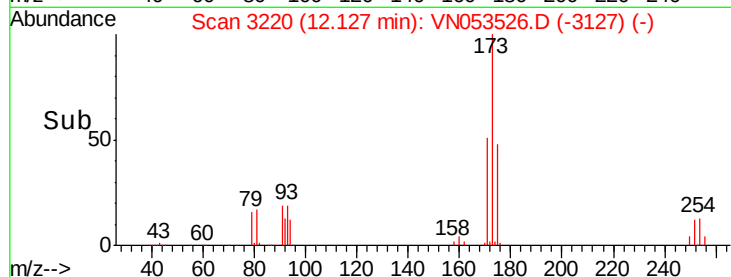
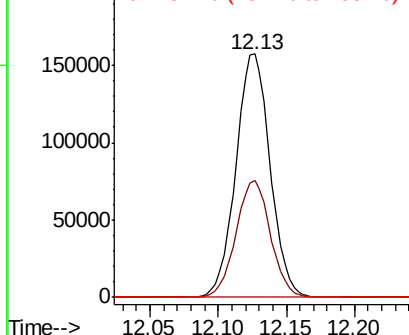
173 100

175 48.1 24.6 74.0

254 0.2 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

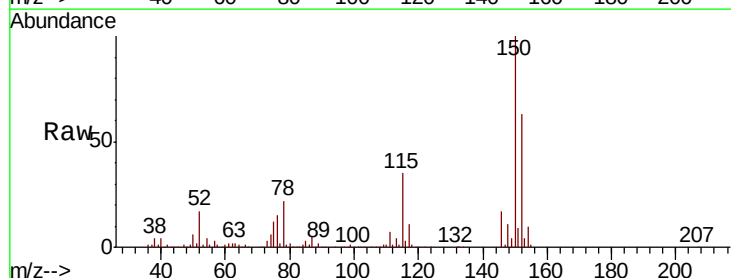
Tgt Ion:152 Resp: 511681

Ion Ratio Lower Upper

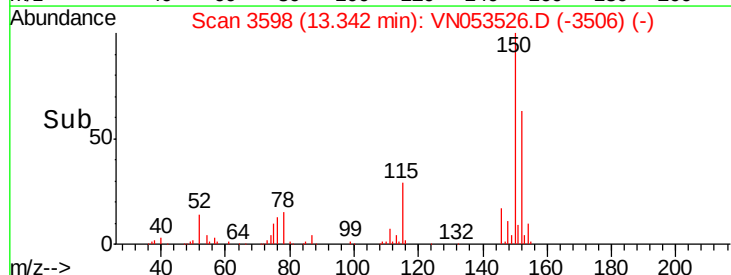
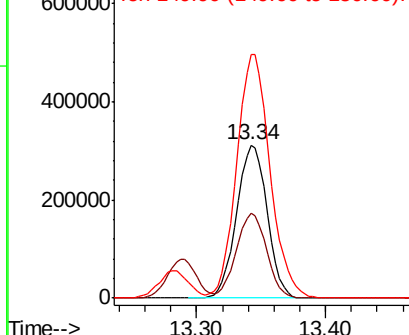
152 100

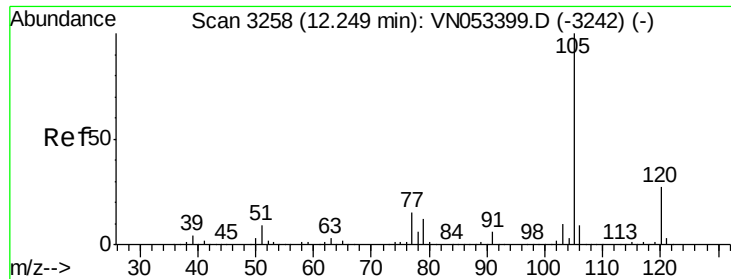
115 55.2 27.8 83.4

150 174.3 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: 50.047 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

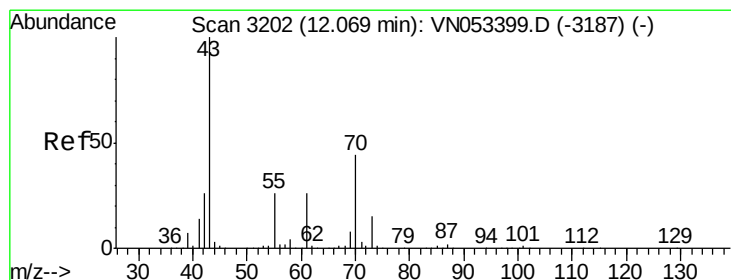
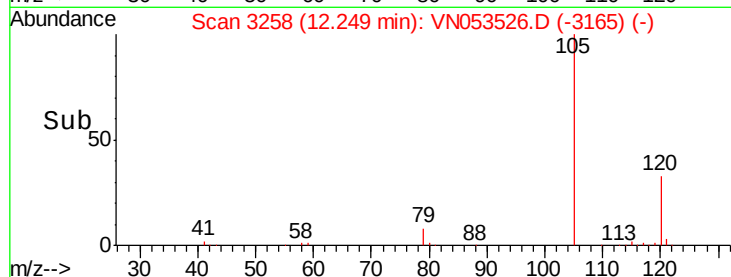
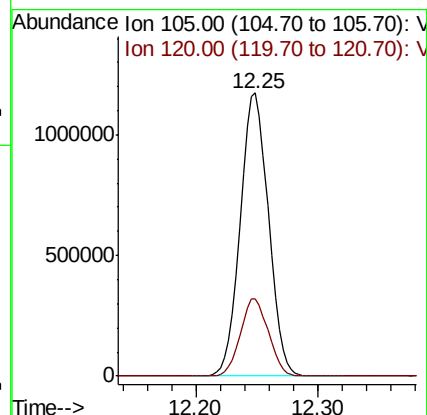
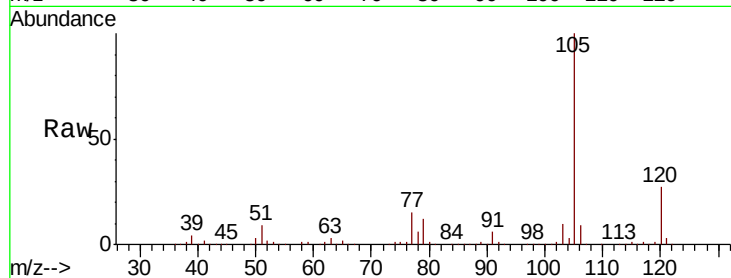
VSTDCCC050

Tgt Ion:105 Resp: 1875309

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-amyl acetate

Concen: 48.807 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Tgt Ion: 43 Resp: 487522

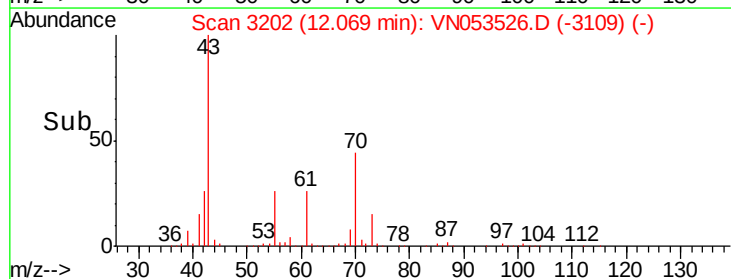
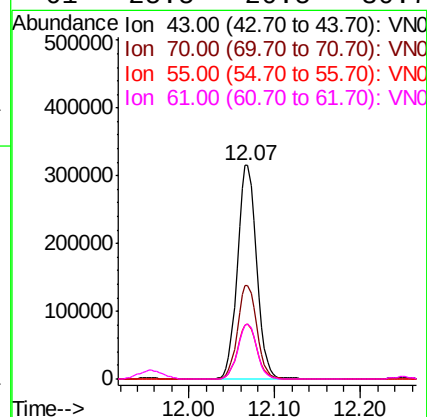
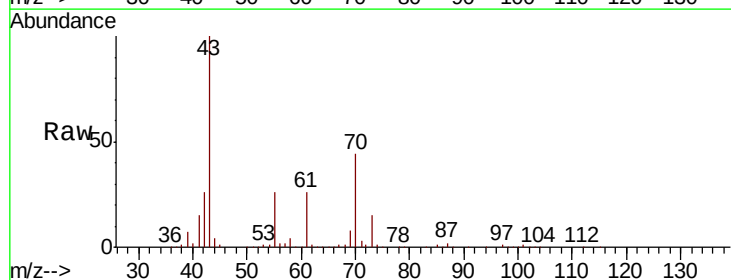
Ion Ratio Lower Upper

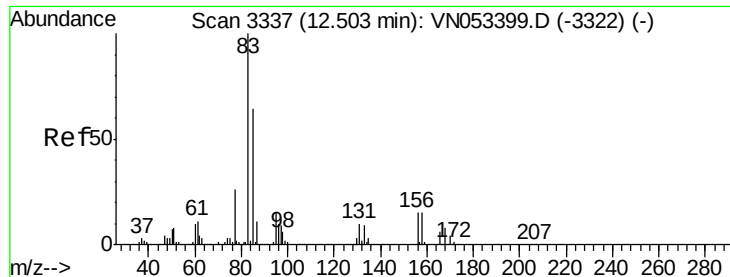
43 100

70 44.3 35.4 53.2

55 26.1 20.9 31.3

61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.292 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

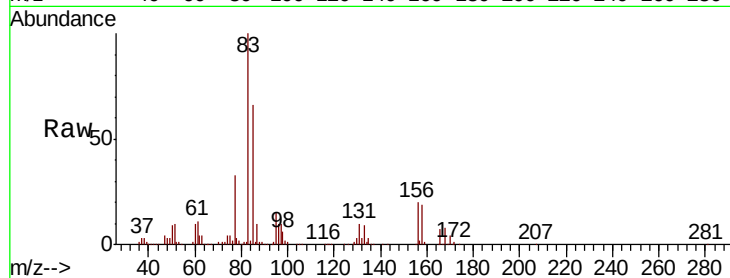
Tgt Ion: 83 Resp: 355934

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

85 65.5 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)

12.50

250000

200000

150000

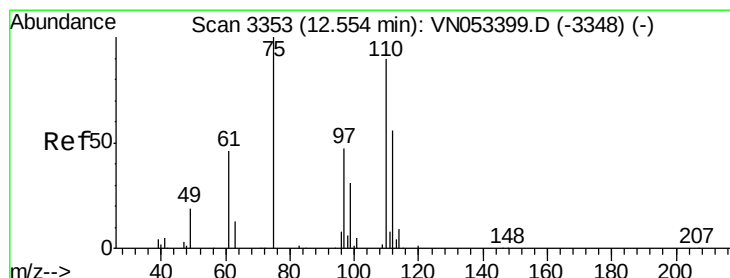
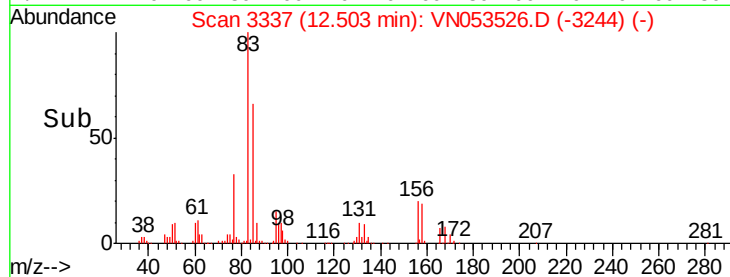
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 77.218 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN053526.D

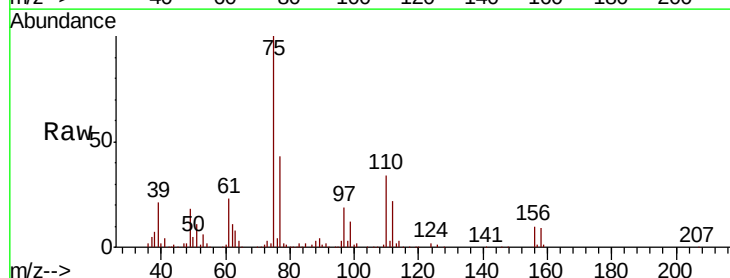
Acq: 23 Jan 2019 9:44

Tgt Ion: 75 Resp: 520678

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)

500000

400000

300000

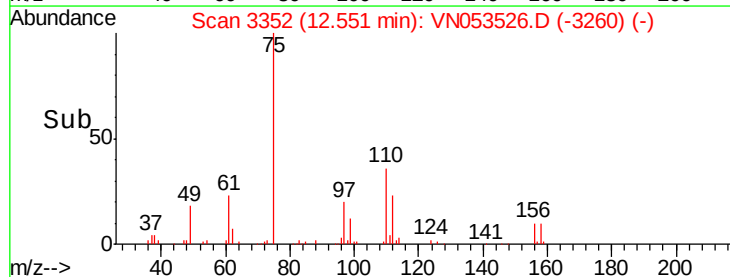
200000

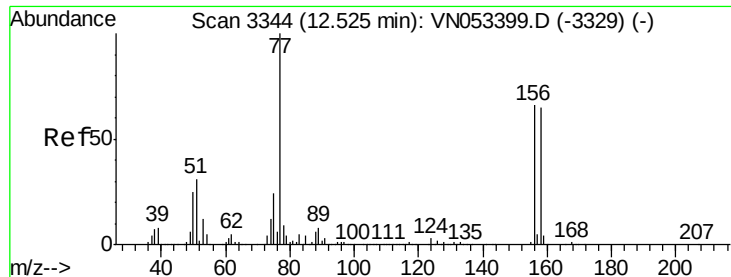
100000

0

12.50 12.55

Time-->





#77

Bromobenzene

Concen: 49.154 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

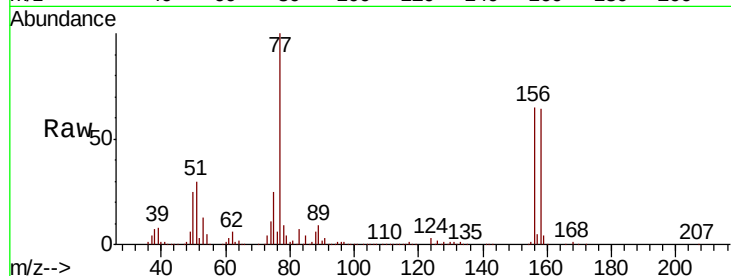
Tgt Ion:156 Resp: 485332

Ion Ratio Lower Upper

156 100

77 174.7 87.9 263.8

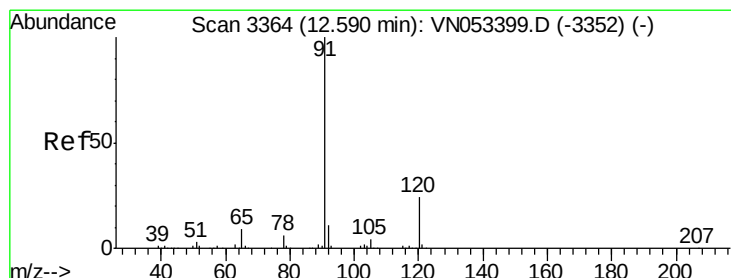
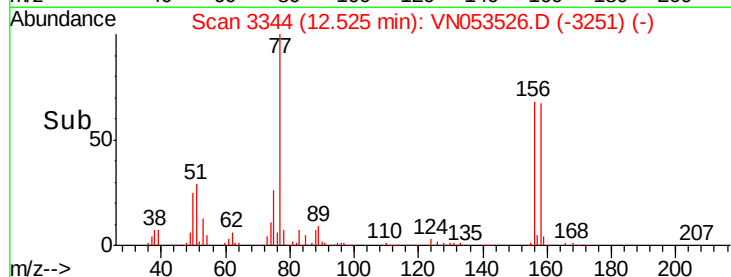
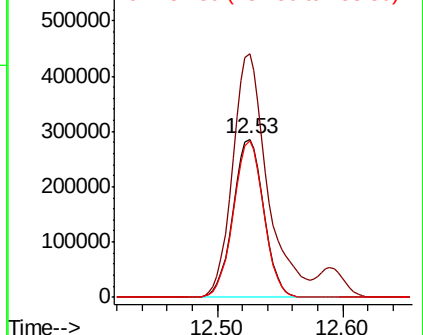
158 97.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.412 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053526.D

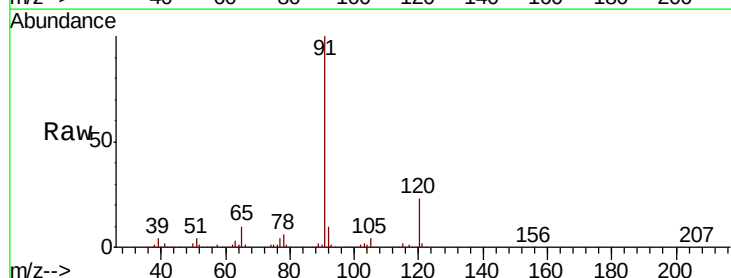
Acq: 23 Jan 2019 9:44

Tgt Ion: 91 Resp: 2211299

Ion Ratio Lower Upper

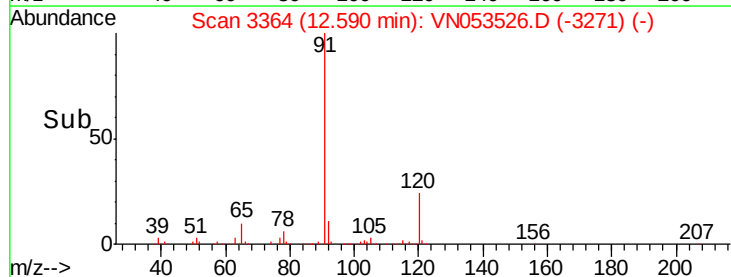
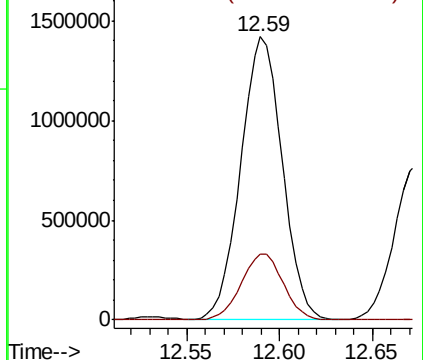
91 100

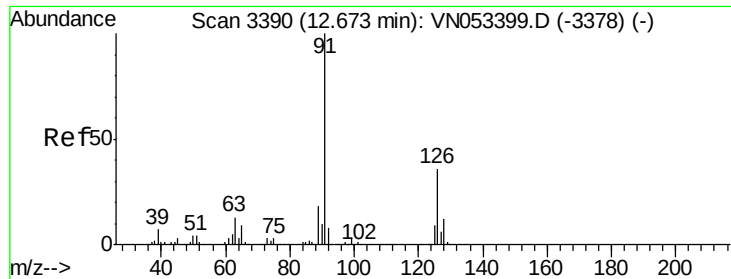
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

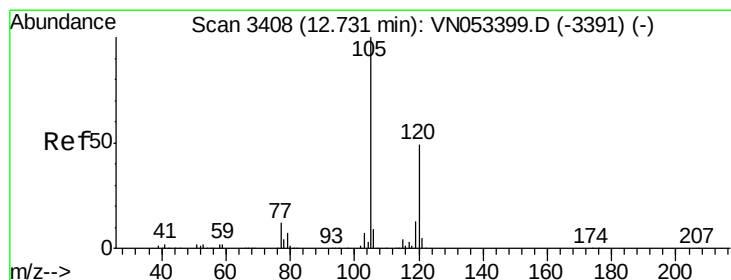
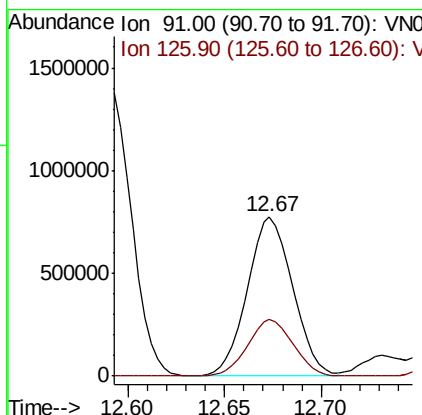
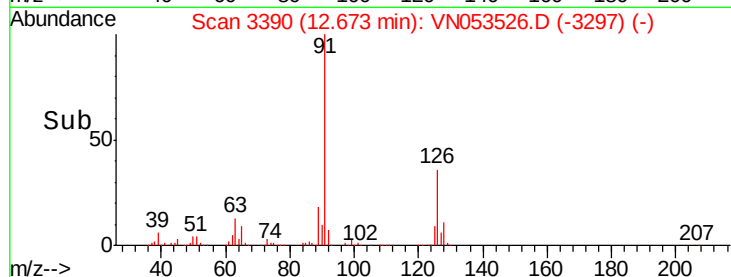
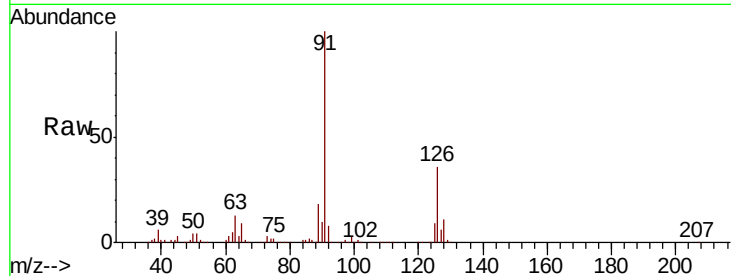




#79
 2-Chlorotoluene
 Concen: 49.555 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

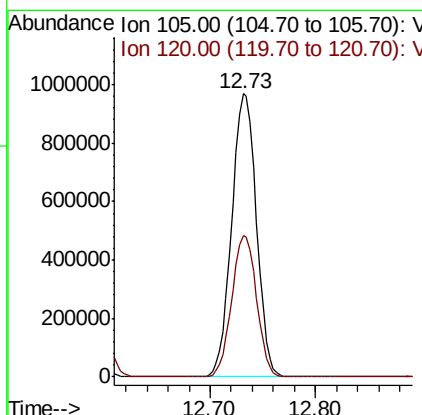
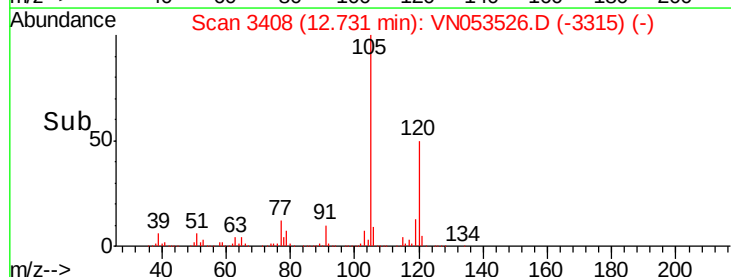
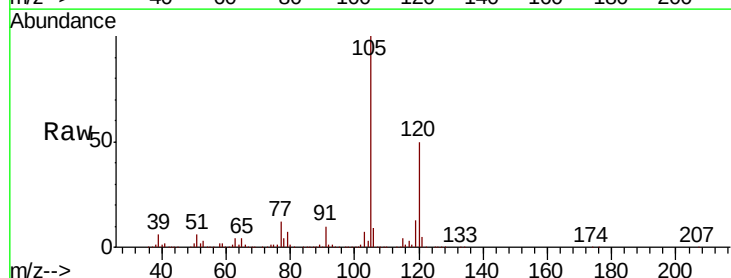
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

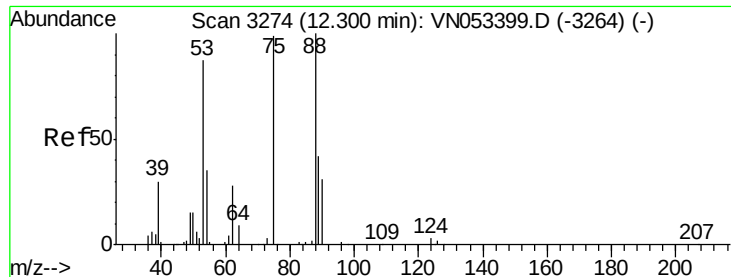
Tgt Ion: 91 Resp: 1263401
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 51.379 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion: 105 Resp: 1566404
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.076 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

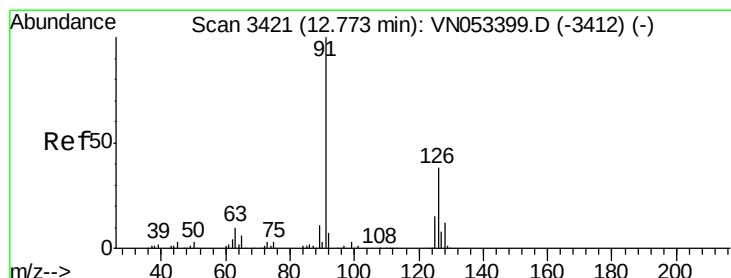
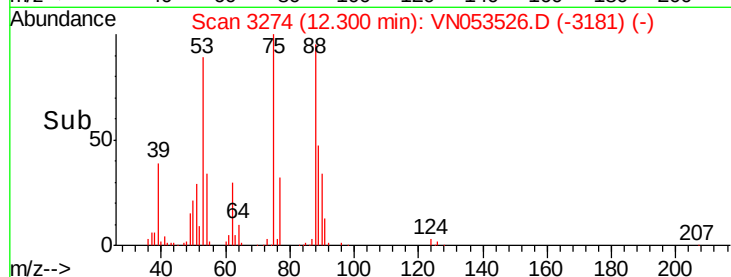
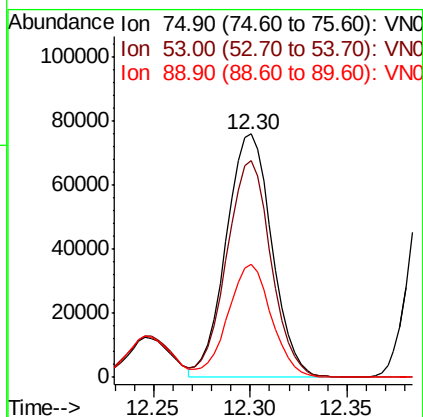
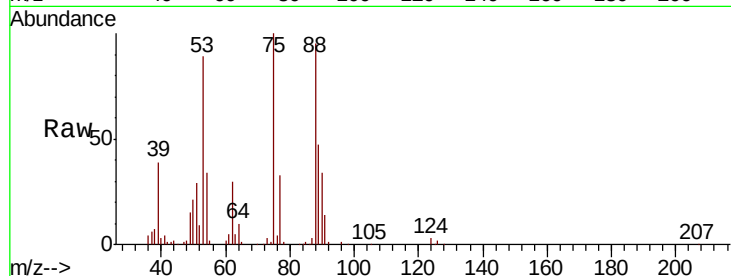
Tgt Ion: 75 Resp: 125015

Ion Ratio Lower Upper

75 100

53 86.8 69.8 104.6

89 44.2 35.6 53.4



#82

4-Chlorotoluene

Concen: 50.622 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053526.D

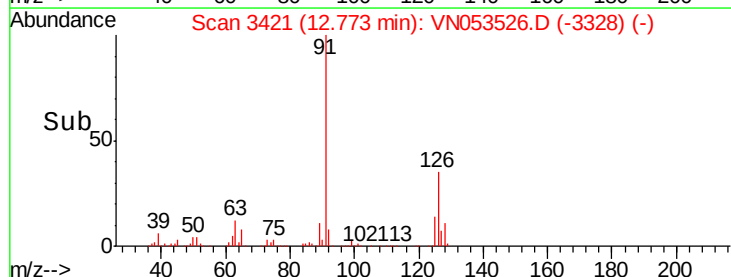
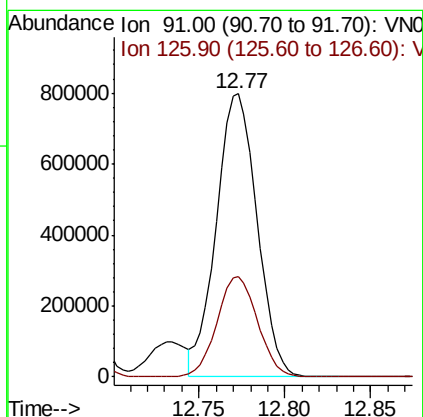
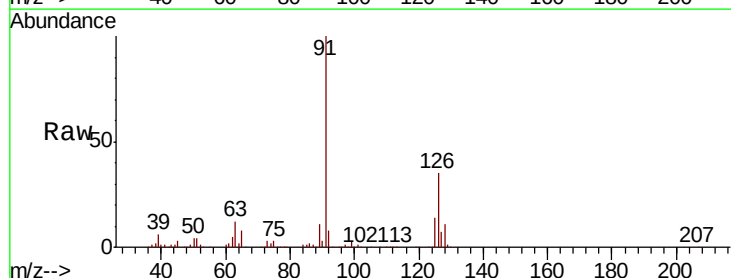
Acq: 23 Jan 2019 9:44

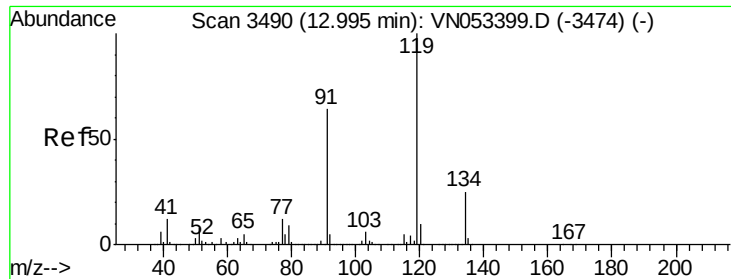
Tgt Ion: 91 Resp: 1316144

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.9

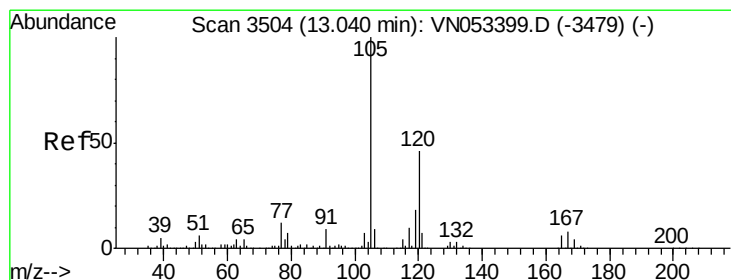
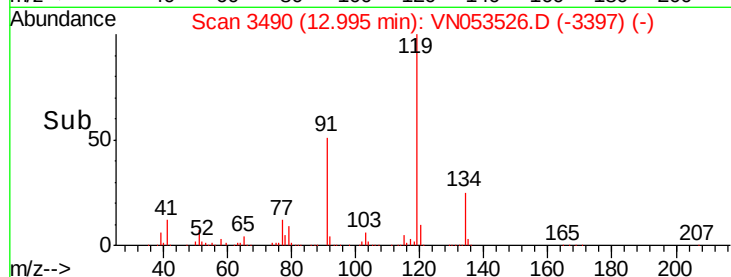
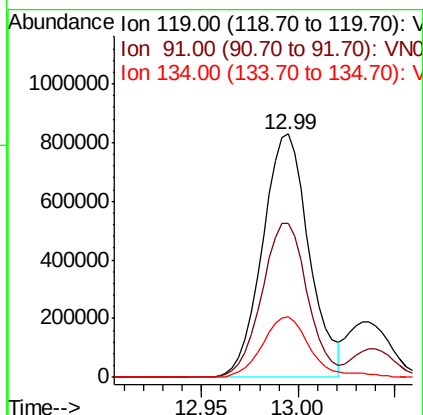
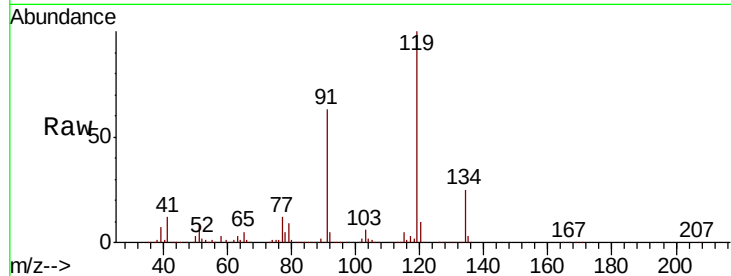




#83
 tert-Butylbenzene
 Concen: 51.631 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

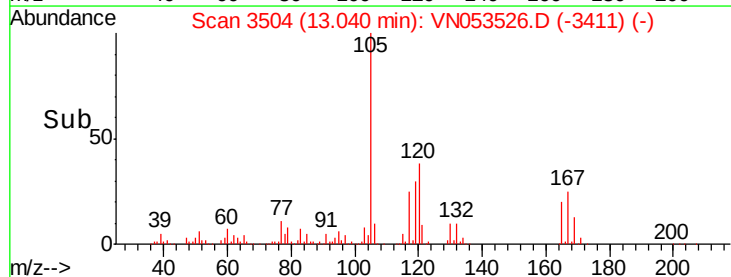
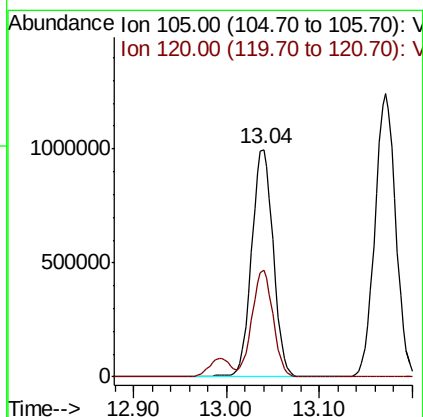
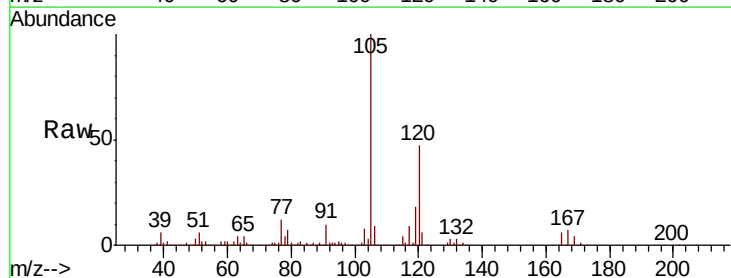
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

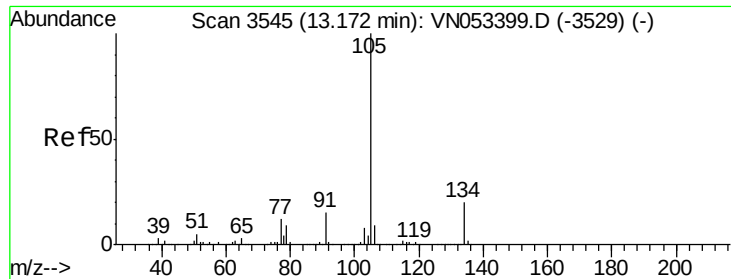
Tgt Ion:119 Resp: 1390275
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.3 93.8
 134 25.6 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 52.205 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion:105 Resp: 1604796
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.078 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

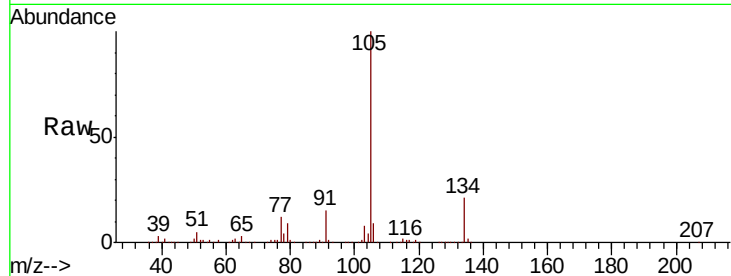
VSTDCCC050

Tgt Ion:105 Resp: 1923176

Ion Ratio Lower Upper

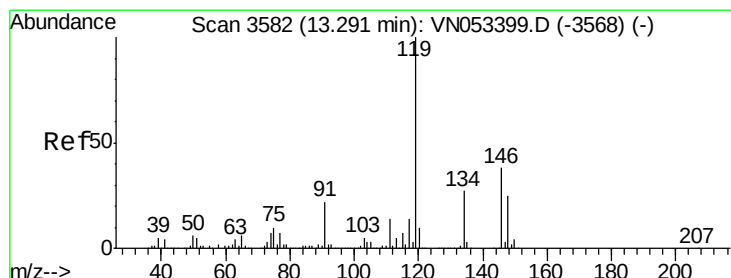
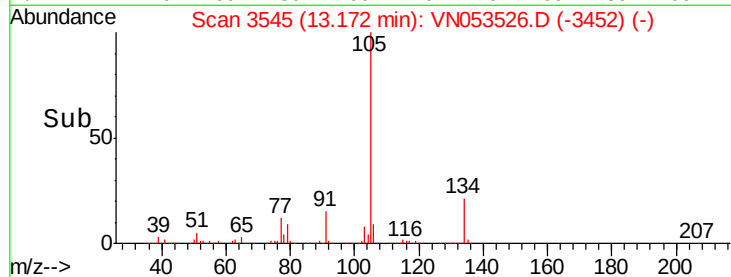
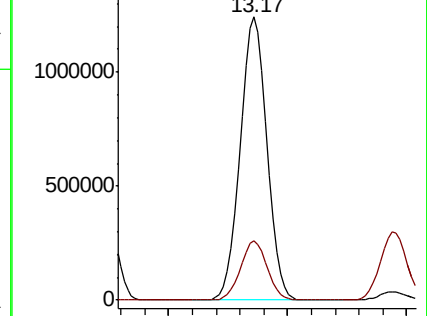
105 100

134 20.9 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.303 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

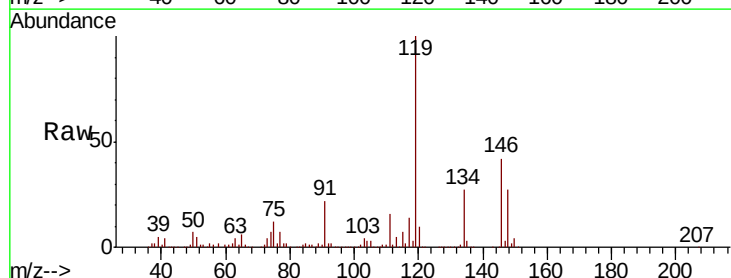
Tgt Ion:119 Resp: 1709154

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

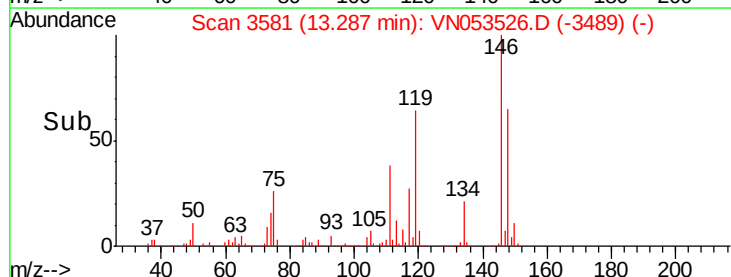
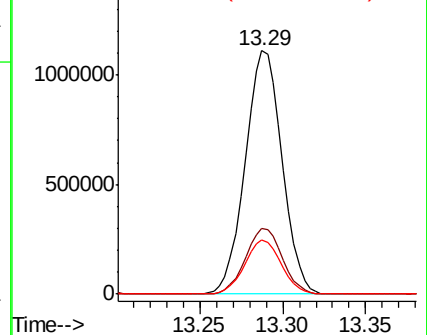
91 22.1 11.0 33.0

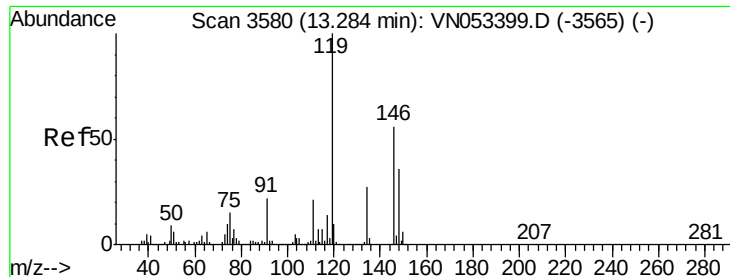


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

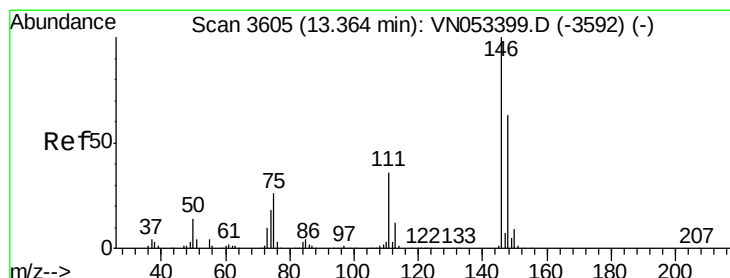
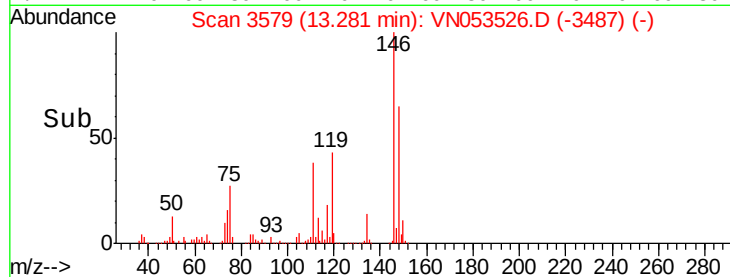
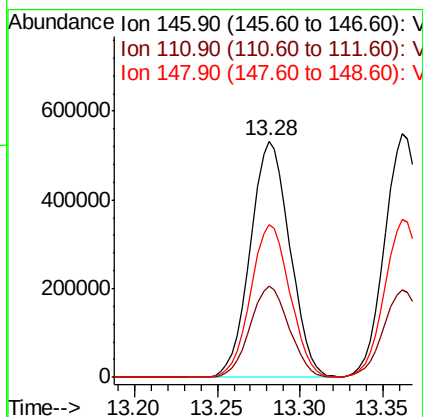
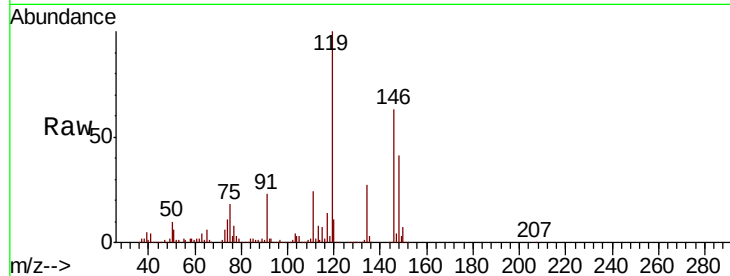




#87
 1,3-Dichlorobenzene
 Concen: 50.697 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

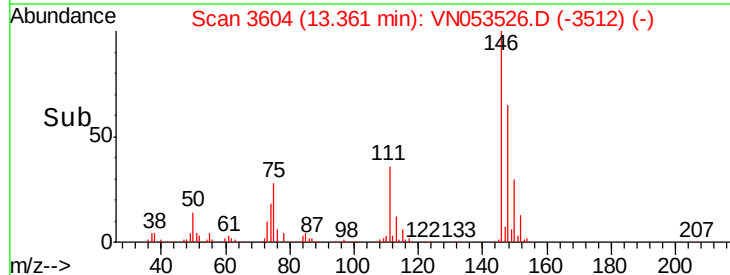
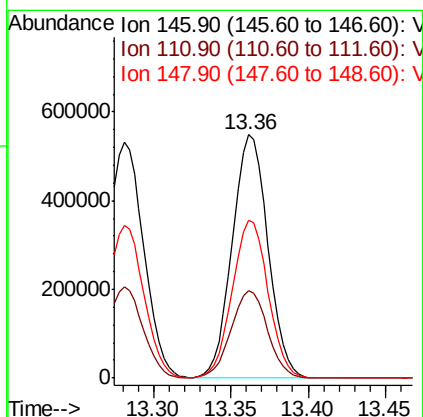
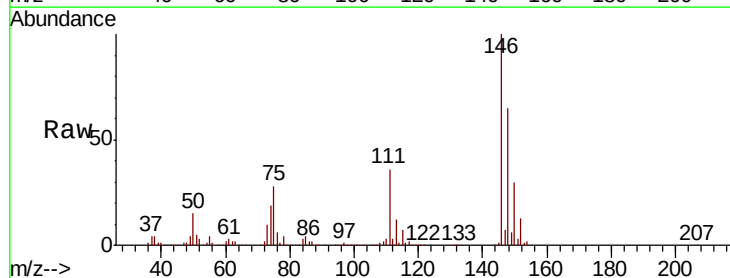
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

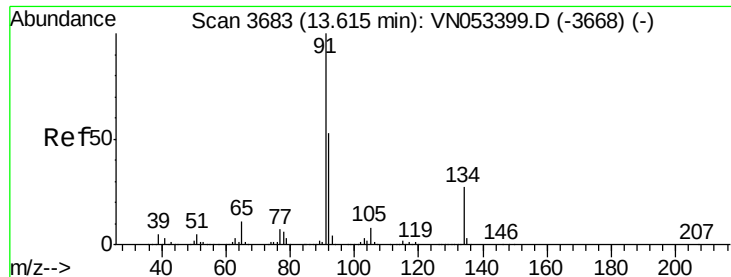
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.3
148	64.5	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.431 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	65.1	32.4	97.0





#89

n-Butylbenzene

Concen: 54.807 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

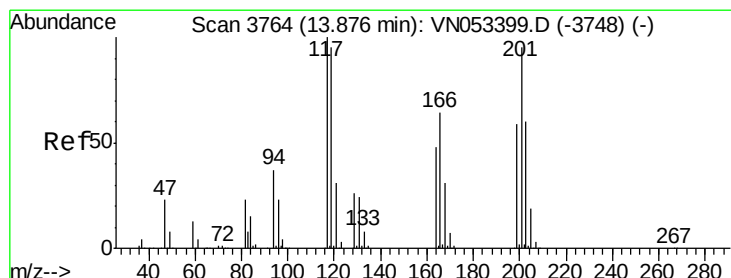
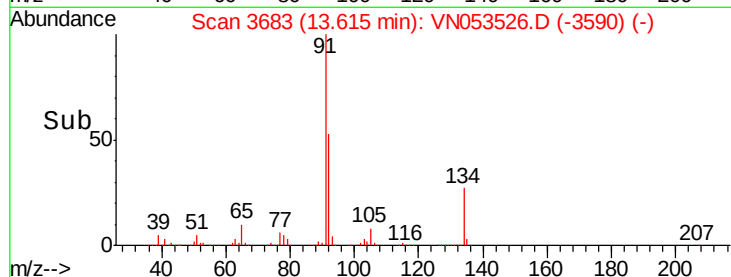
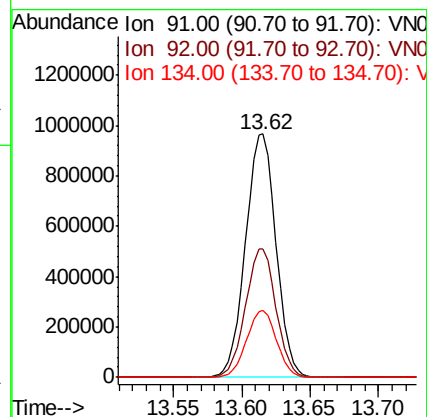
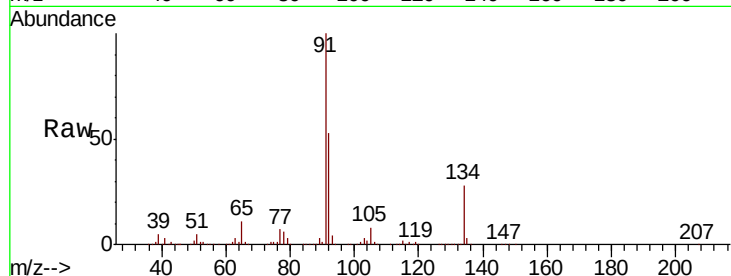
Tgt Ion: 91 Resp: 1497999

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.8

134 27.1 13.5 40.5



#90

Hexachloroethane

Concen: 53.908 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053526.D

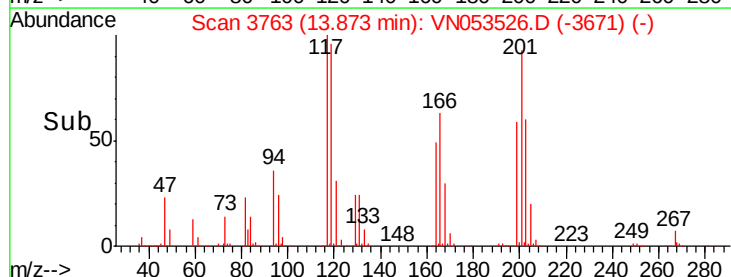
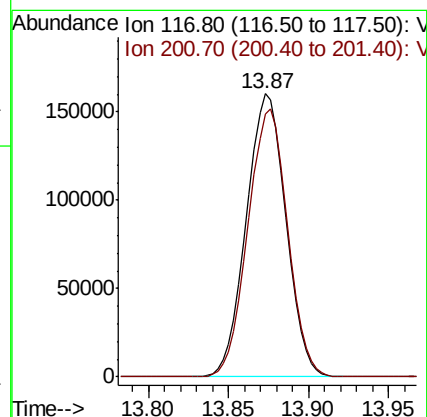
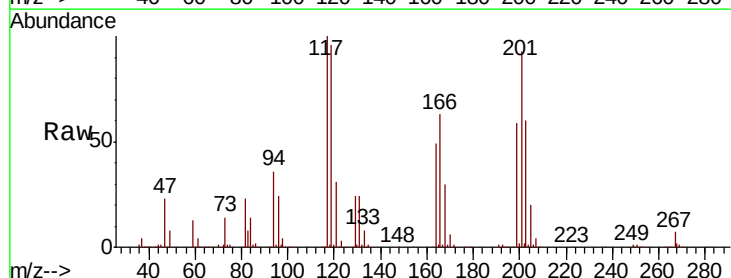
Acq: 23 Jan 2019 9:44

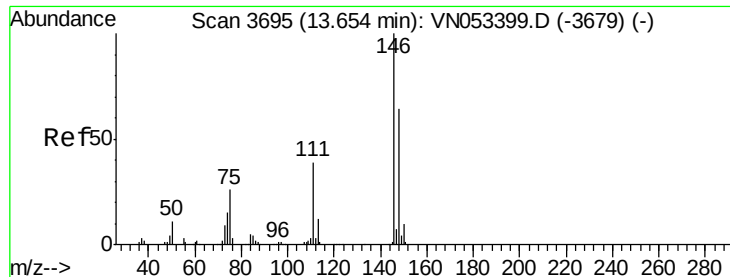
Tgt Ion: 117 Resp: 271094

Ion Ratio Lower Upper

117 100

201 94.7 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 52.691 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

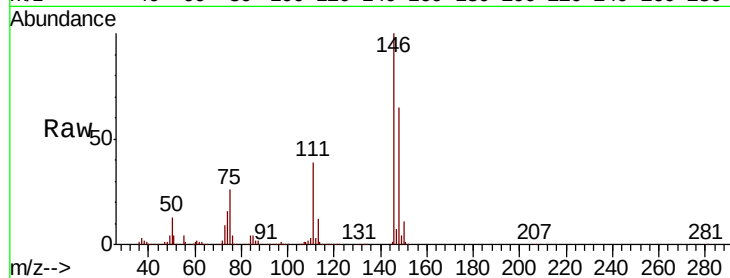
Tgt Ion:146 Resp: 841933

Ion Ratio Lower Upper

146 100

111 39.7 19.5 58.5

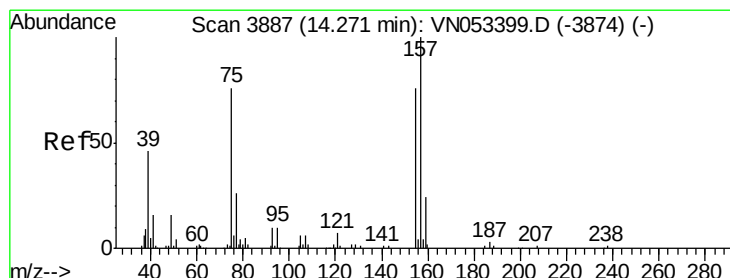
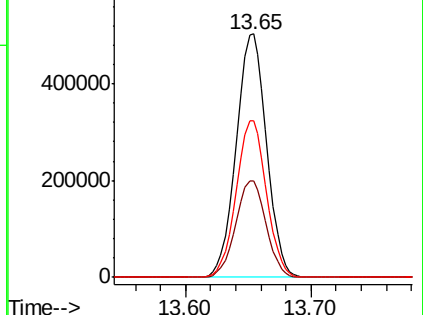
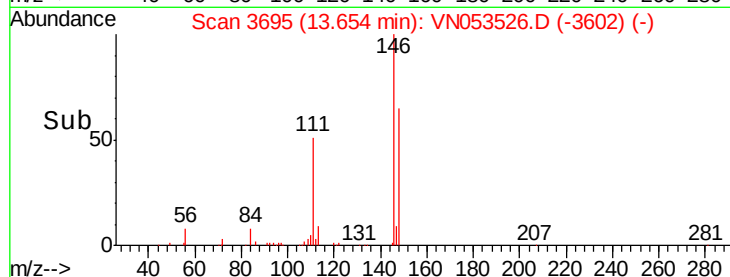
148 64.2 31.9 95.9



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: 58.875 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

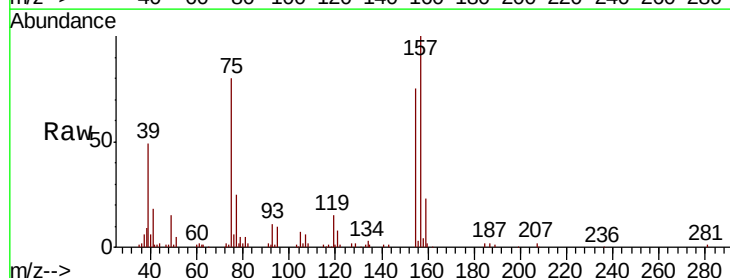
Tgt Ion: 75 Resp: 58666

Ion Ratio Lower Upper

75 100

155 96.5 48.9 146.7

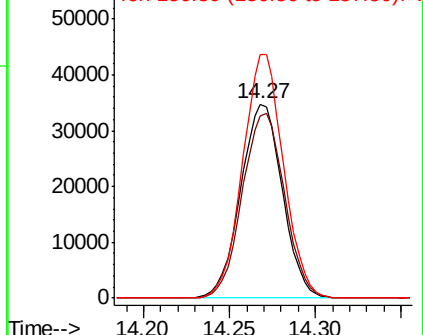
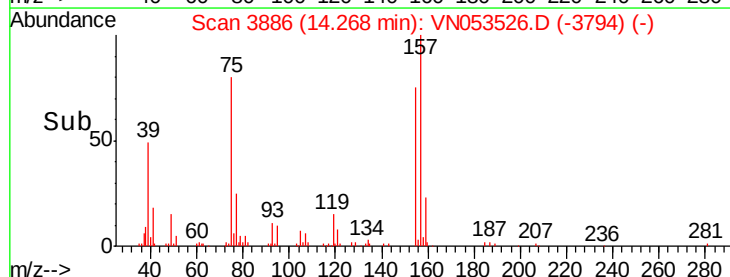
157 122.7 63.7 191.3

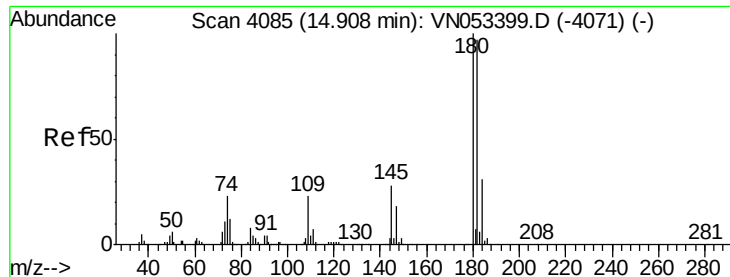


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

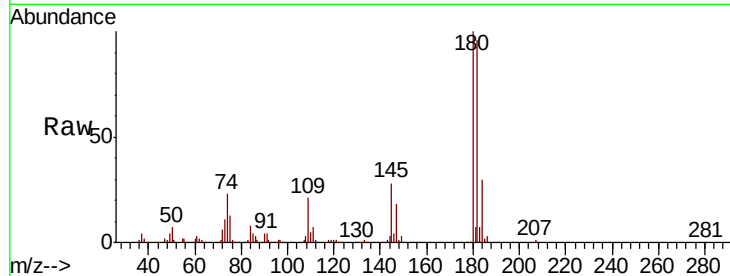




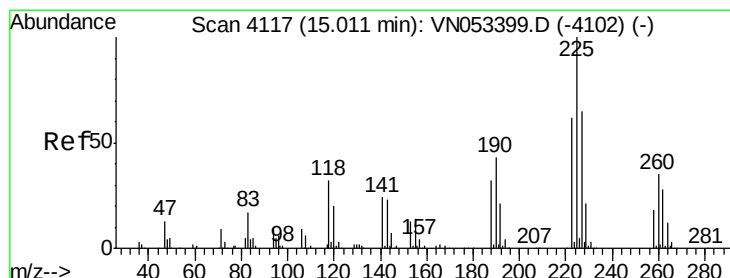
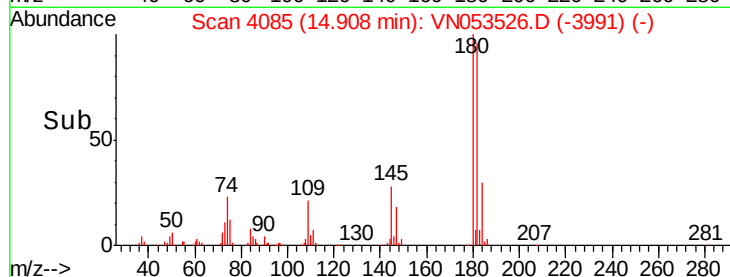
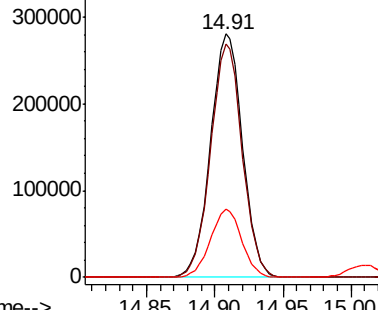
#93
 1,2,4-Trichlorobenzene
 Concen: 63.651 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 454389
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.1 144.3
 145 27.7 13.9 41.6

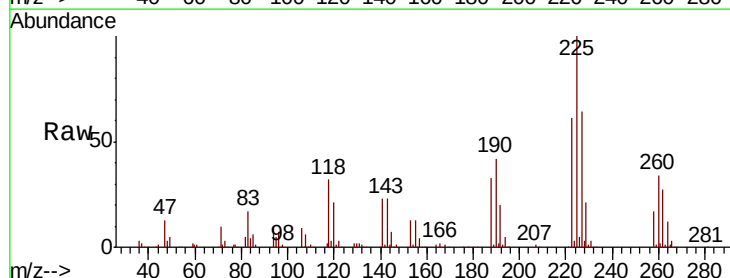


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

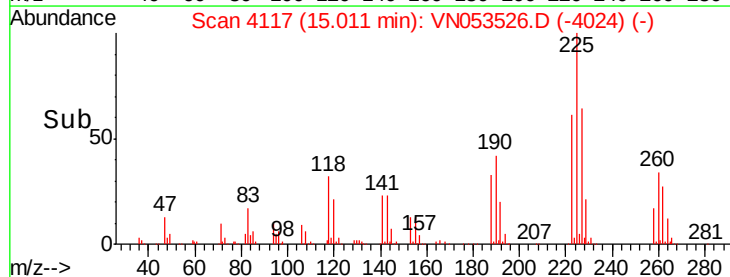
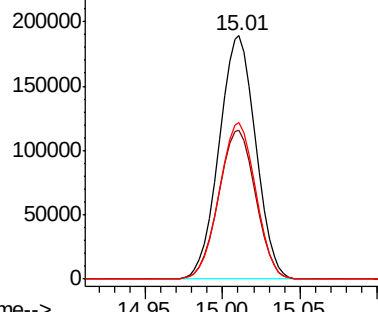


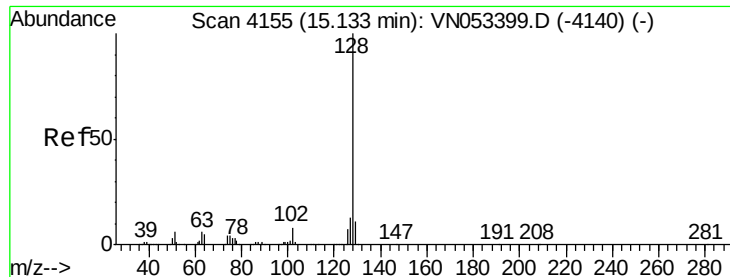
#94
 Hexachlorobutadiene
 Concen: 62.553 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053526.D
 Acq: 23 Jan 2019 9:44

Tgt Ion:225 Resp: 311797
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.1 93.2
 227 64.1 32.0 96.2



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





#95

Naphthalene

Concen: 57.281 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

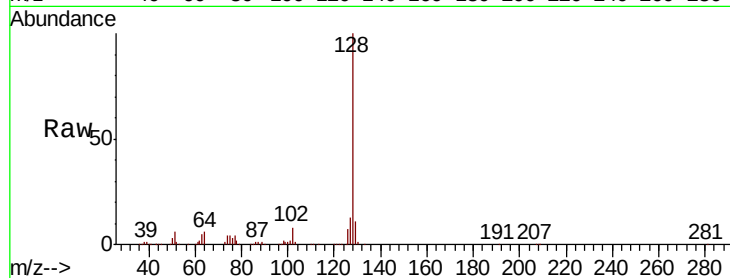
Tgt Ion:128 Resp: 716241

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

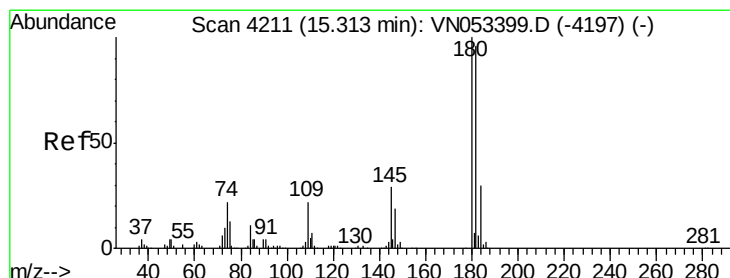
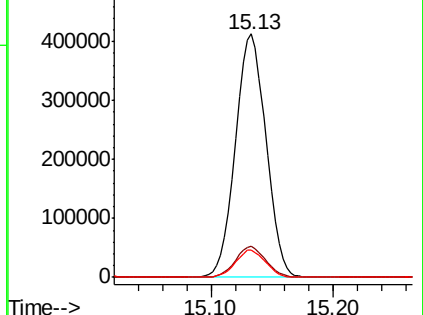
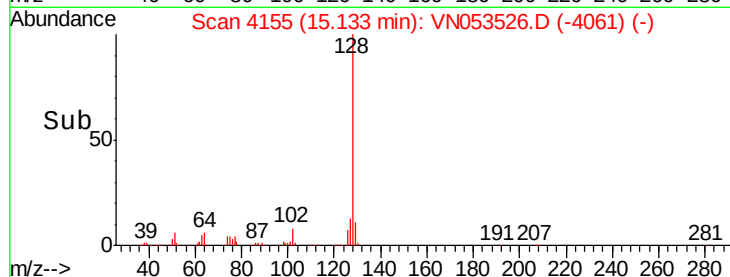
129 11.0 8.6 13.0



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: 62.864 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053526.D

Acq: 23 Jan 2019 9:44

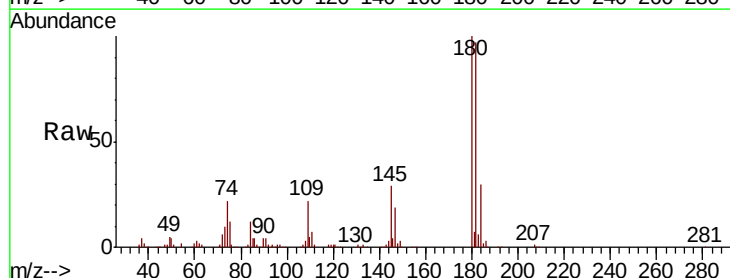
Tgt Ion:180 Resp: 329923

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.8

145 29.1 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

