

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055001.D
 Acq On : 12 Apr 2019 16:05
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 13 02:26:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	433683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	698427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	622025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	266798	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	288800	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
35) Dibromofluoromethane	7.59	113	234001	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	861176	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	285812	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	245474	48.023	ug/l	100
3) Chloromethane	2.06	50	310862	46.128	ug/l	100
4) Vinyl Chloride	2.19	62	260522	44.586	ug/l	100
5) Bromomethane	2.56	94	145598	43.560	ug/l	100
6) Chloroethane	2.71	64	141532	43.281	ug/l	100
7) Trichlorofluoromethane	3.02	101	322326	45.225	ug/l	100
8) Diethyl Ether	3.41	74	105748	46.283	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167179	44.318	ug/l	100
10) Methyl Iodide	3.94	142	253292	47.645	ug/l	100
11) Tert butyl alcohol	4.82	59	82718	272.373	ug/l	100
12) 1,1-Dichloroethene	3.73	96	162103	43.431	ug/l	100
13) Acrolein	3.61	56	103236	260.235	ug/l	100
14) Allyl chloride	4.31	41	413841	49.362	ug/l	100
15) Acrylonitrile	5.00	53	475920	265.853	ug/l	100
16) Acetone	3.82	43	360904	224.935	ug/l	100
17) Carbon Disulfide	4.04	76	536738	45.168	ug/l	100
18) Methyl Acetate	4.33	43	218039	50.204	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	617550	49.981	ug/l	100
20) Methylene Chloride	4.54	84	252328	47.679	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	225147	47.775	ug/l	100
22) Diisopropyl ether	5.96	45	860617	49.798	ug/l	100
23) Vinyl Acetate	5.90	43	3108842	258.213	ug/l	100
24) 1,1-Dichloroethane	5.85	63	447034	47.585	ug/l	100
25) 2-Butanone	6.85	43	605644	279.838	ug/l	100
26) 2,2-Dichloropropane	6.82	77	298158	45.569	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	260628	48.562	ug/l	100
28) Bromochloromethane	7.19	49	216803	48.873	ug/l	100
29) Tetrahydrofuran	7.22	42	396014	276.763	ug/l	100
30) Chloroform	7.37	83	429920	48.226	ug/l	100
31) Cyclohexane	7.65	56	420962	39.263	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	348348	46.497	ug/l	100
36) 1,1-Dichloropropene	7.79	75	319004	46.762	ug/l	100
37) Ethyl Acetate	6.94	43	258367	53.889	ug/l	100
38) Carbon Tetrachloride	7.77	117	295728	45.042	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	366084	48.704	ug/l	100
40) Benzene	8.04	78	975446	49.406	ug/l	100
41) Methacrylonitrile	7.18	41	144270	52.785	ug/l	100
42) 1,2-Dichloroethane	8.13	62	340921	49.038	ug/l	100
43) Isopropyl Acetate	8.17	43	435442	53.976	ug/l	100
44) Trichloroethene	8.83	130	248533	49.188	ug/l	100
45) 1,2-Dichloropropane	9.12	63	270998	49.253	ug/l	100
46) Dibromomethane	9.21	93	159641	50.743	ug/l	100
47) Bromodichloromethane	9.40	83	327066	49.875	ug/l	100
48) Methyl methacrylate	9.20	41	215915	53.234	ug/l	100
49) 1,4-Dioxane	9.21	88	47756	1143.887	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1259676	278.362	ug/l	100
52) Toluene	10.16	92	582758	50.162	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	305809	50.821	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	376183	51.089	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	220790	51.915	ug/l	100
56) Ethyl methacrylate	10.43	69	291945	52.709	ug/l	100
57) 1,3-Dichloropropane	10.71	76	381338	51.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	559312	256.931	ug/l	100
59) 2-Hexanone	10.75	43	790516	280.872	ug/l	100
60) Dibromochloromethane	10.90	129	228604	51.666	ug/l	100
61) 1,2-Dibromoethane	11.00	107	208655	52.324	ug/l	100
64) Tetrachloroethene	10.63	164	236972	47.578	ug/l	100
65) Chlorobenzene	11.43	112	604056	48.224	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	224680	48.983	ug/l	100
67) Ethyl Benzene	11.51	91	1097354	48.616	ug/l	100
68) m/p-Xylenes	11.62	106	811026	98.194	ug/l	100
69) o-Xylene	11.95	106	392614	48.815	ug/l	100
70) Styrene	11.96	104	665177	51.489	ug/l	100
71) Bromoform	12.13	173	143454	51.670	ug/l	100
73) Isopropylbenzene	12.25	105	1054171	47.092	ug/l	100
74) N-amyl acetate	12.07	43	338053	53.928	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	275680	49.403	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	320782	66.572	ug/l #	100
77) Bromobenzene	12.52	156	259820	47.865	ug/l	100
78) n-propylbenzene	12.59	91	1185410	48.049	ug/l	100
79) 2-Chlorotoluene	12.67	91	713962	46.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	871110	47.416	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57681	50.171	ug/l	100
82) 4-Chlorotoluene	12.77	91	701512	48.514	ug/l	100
83) tert-Butylbenzene	12.99	119	741064	47.293	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	862097	48.540	ug/l	100
85) sec-Butylbenzene	13.17	105	970257	47.870	ug/l	100
86) p-Isopropyltoluene	13.29	119	852350	48.854	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	431955	48.002	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	420169	48.983	ug/l	100
89) n-Butylbenzene	13.61	91	692937	50.047	ug/l	100
90) Hexachloroethane	13.87	117	136024	46.873	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	427289	48.215	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39314	50.626	ug/l	100

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QLast Update : Sat Apr 13 02:20:24 2019
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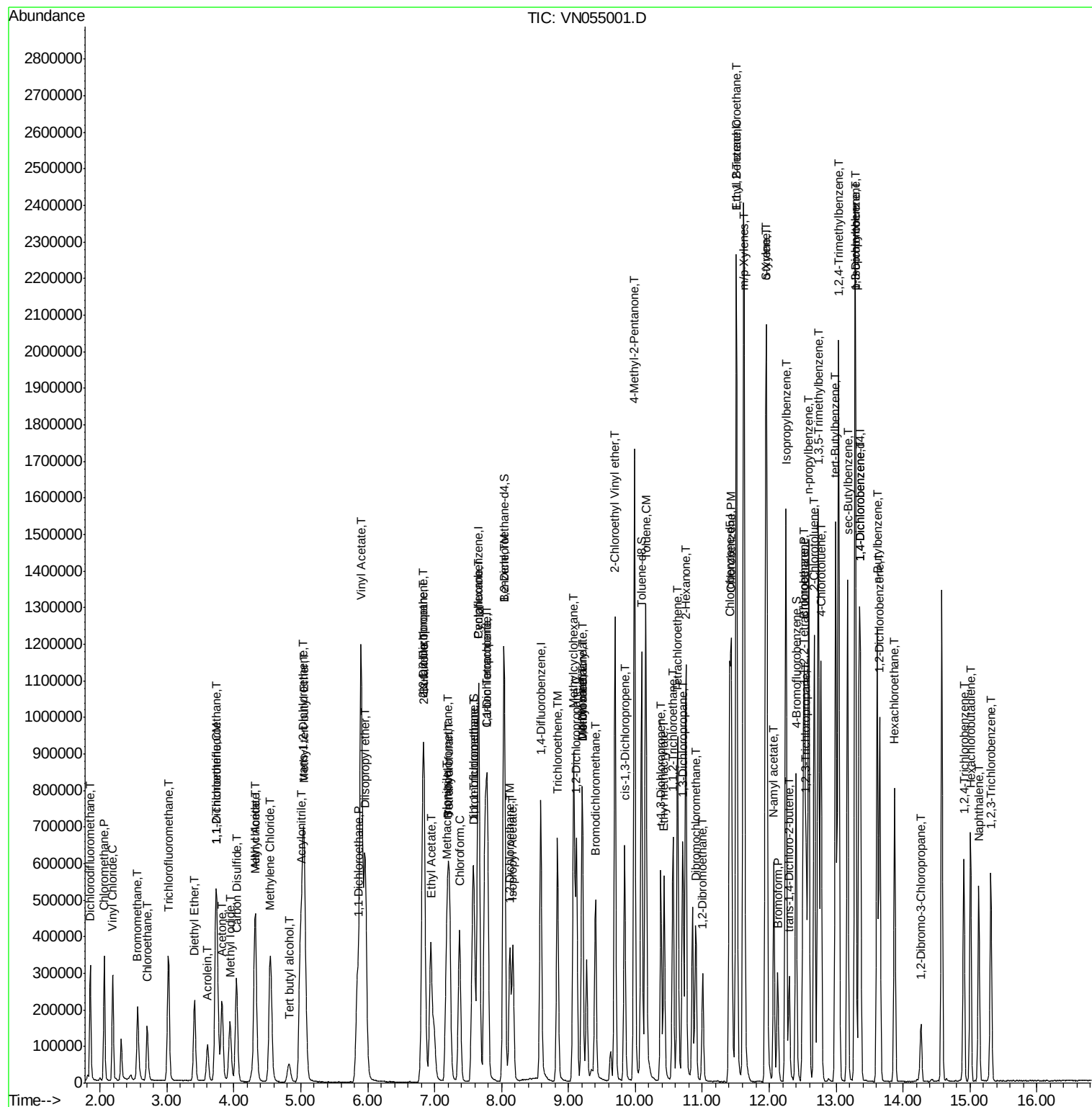
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	203062	52.115	ug/l	100
94) Hexachlorobutadiene	15.01	225	135539	45.645	ug/l	100
95) Naphthalene	15.13	128	446212	51.853	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	206344	50.969	ug/l	100

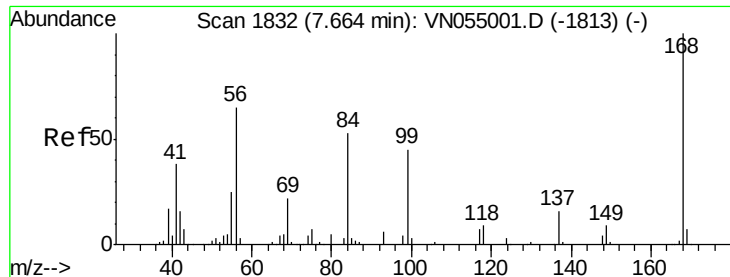
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041319\
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Quant Title : SW846 8260
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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: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

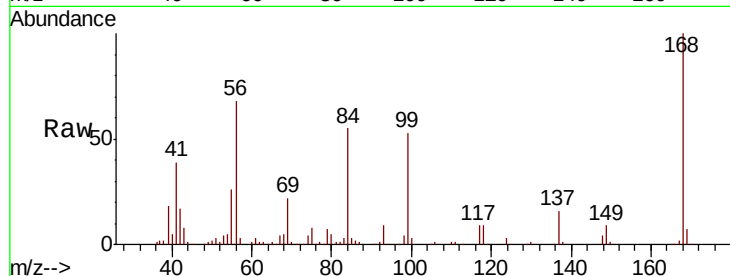
VSTDICCC050

Tot Ion:168 Resp: 433683

Ion Ratio Lower Upper

168 100

99 52.4 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

200000

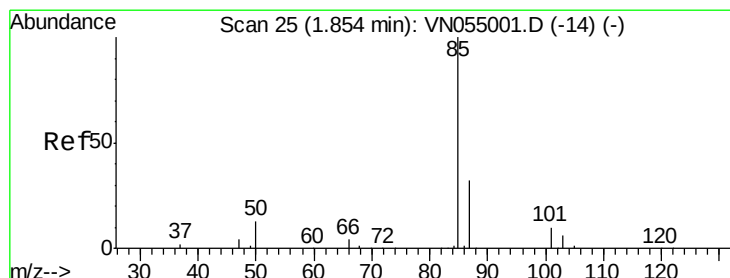
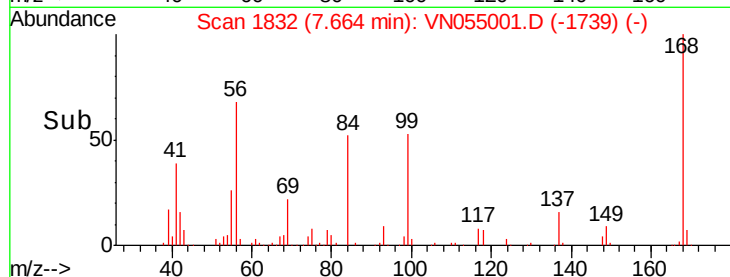
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.023 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055001.D

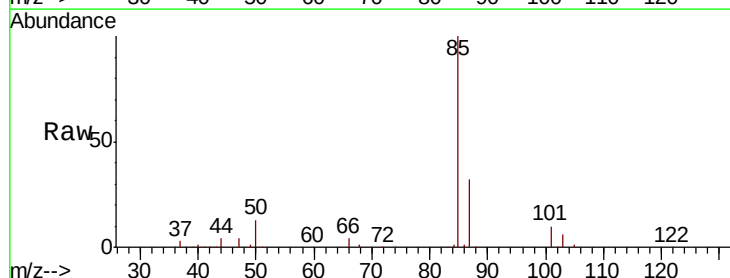
Acq: 12 Apr 2019 16:05

Tgt Ion: 85 Resp: 245474

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

200000

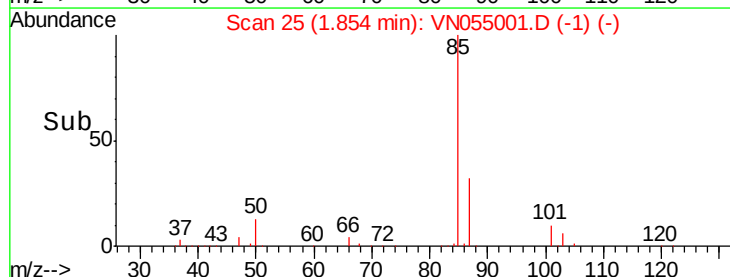
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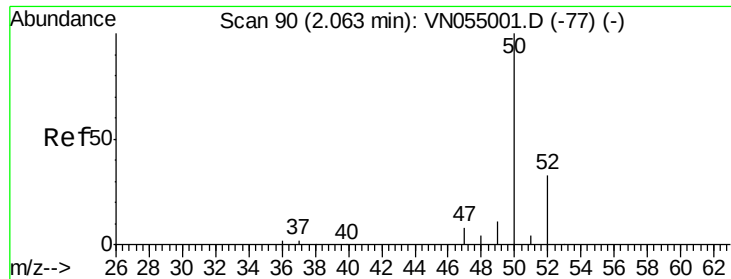
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.128 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

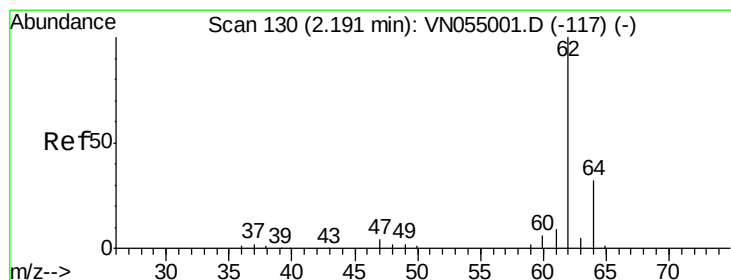
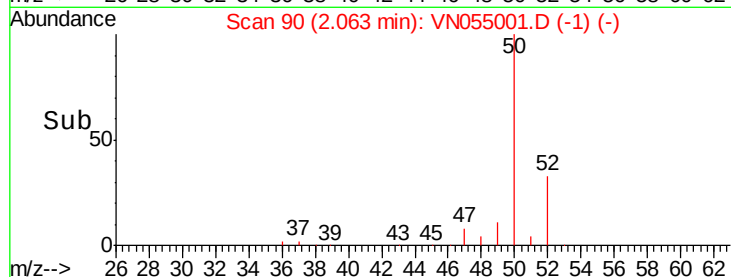
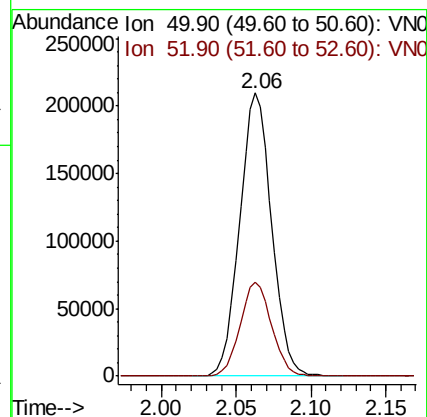
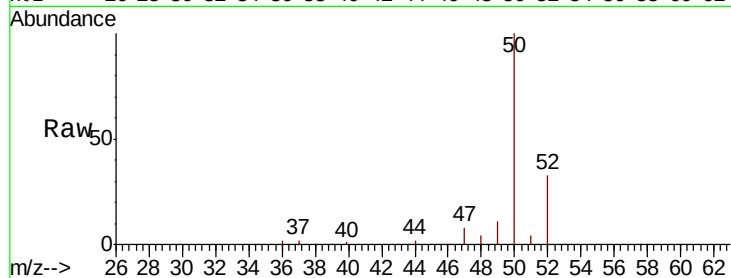
VSTDICCC050

Tot Ion: 50 Resp: 310862

Ion Ratio Lower Upper

50 100

52 33.3 26.6 40.0



#4

Vinyl Chloride

Concen: 44.586 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055001.D

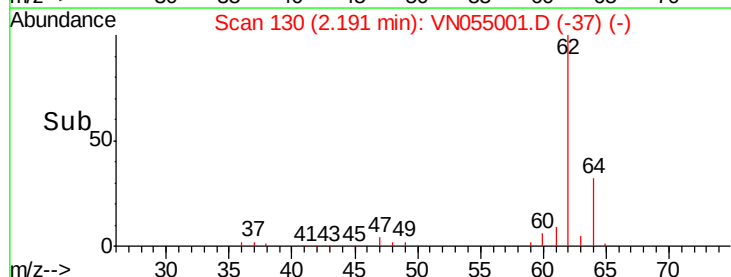
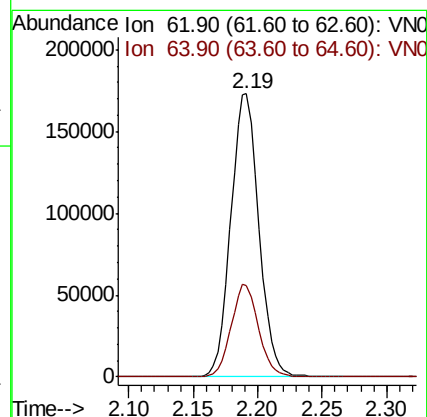
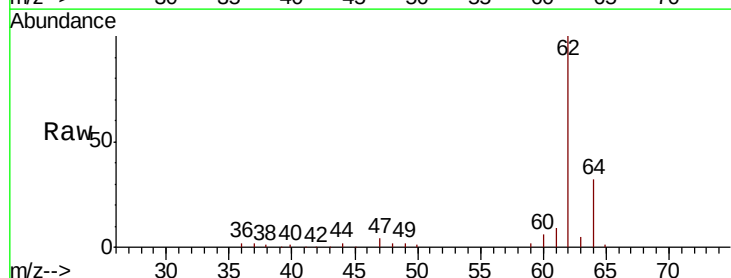
Acq: 12 Apr 2019 16:05

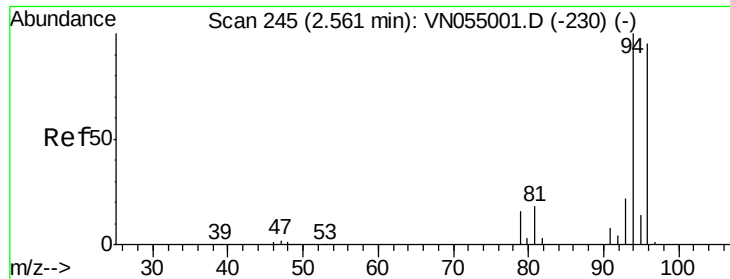
Tgt Ion: 62 Resp: 260522

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6





#5

Bromomethane

Concen: 43.560 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

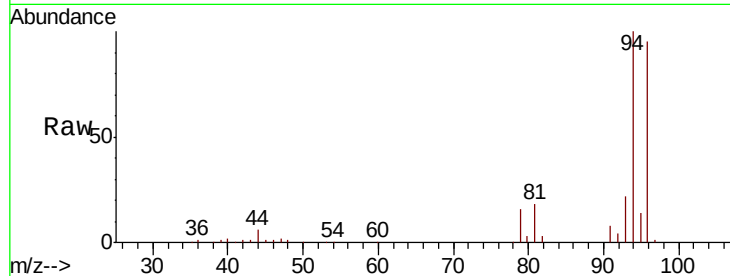
VSTDICCC050

Tot Ion: 94 Resp: 145598

Ion Ratio Lower Upper

94 100

96 95.3 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

80000

60000

40000

20000

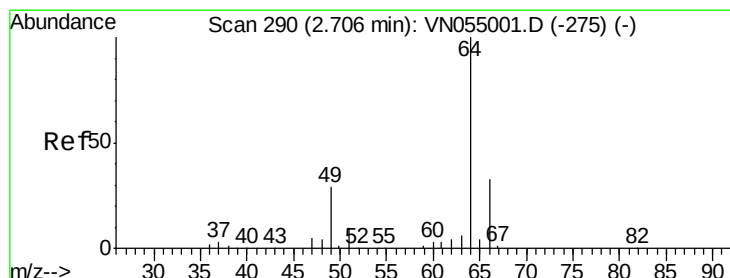
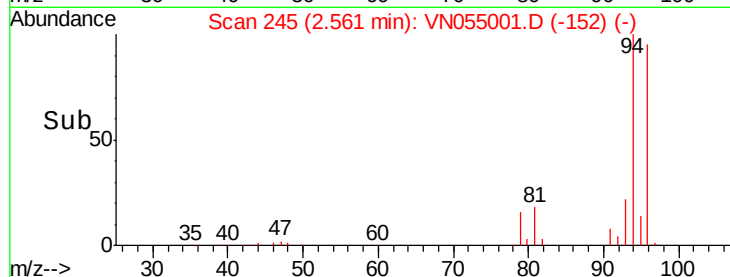
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 43.281 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055001.D

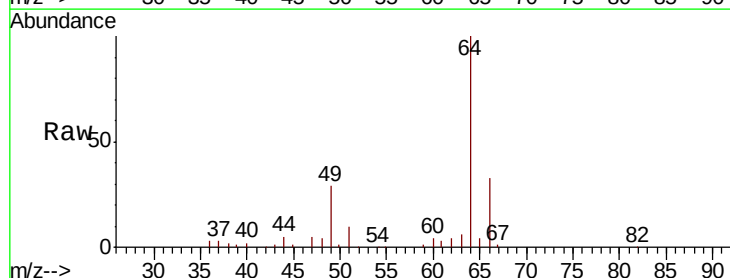
Acq: 12 Apr 2019 16:05

Tgt Ion: 64 Resp: 141532

Ion Ratio Lower Upper

64 100

66 33.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

60000

40000

20000

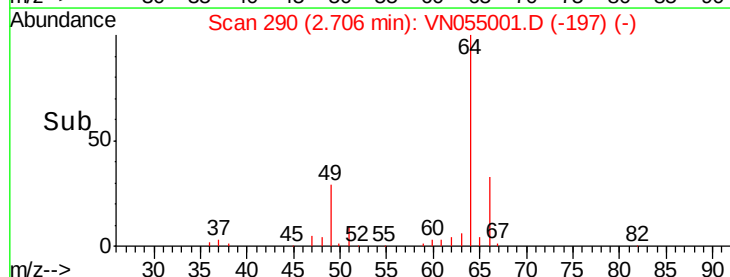
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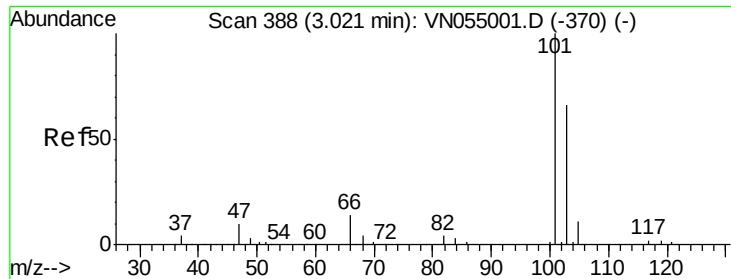
Time-->

2.60

2.70

2.80



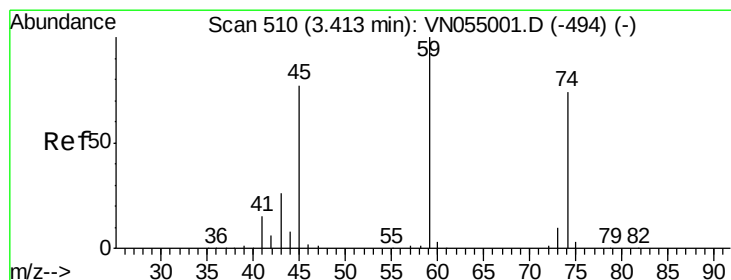
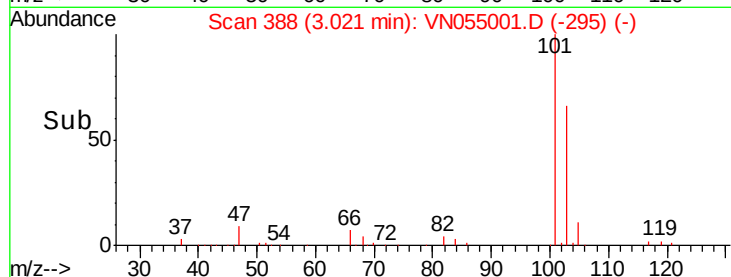
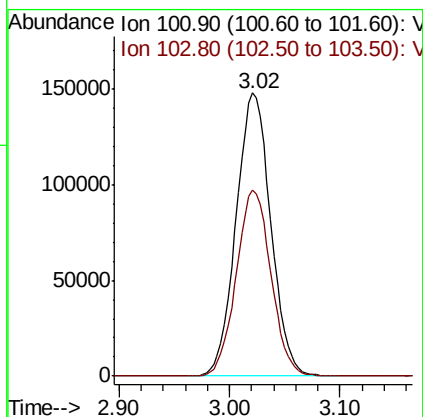
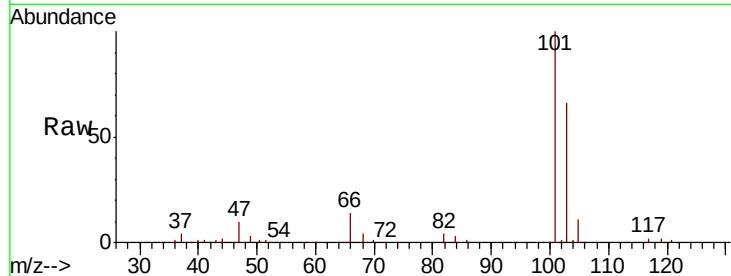


#7

Trichlorofluoromethane
 Concen: 45.225 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
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 VSTDICCC050

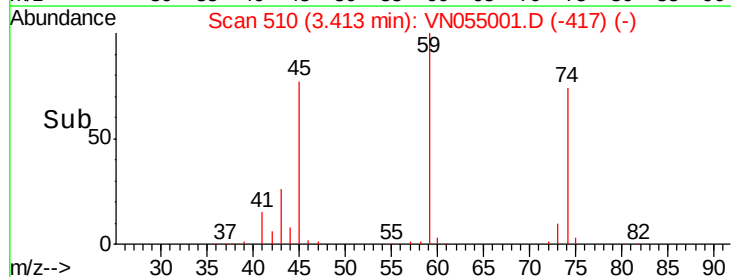
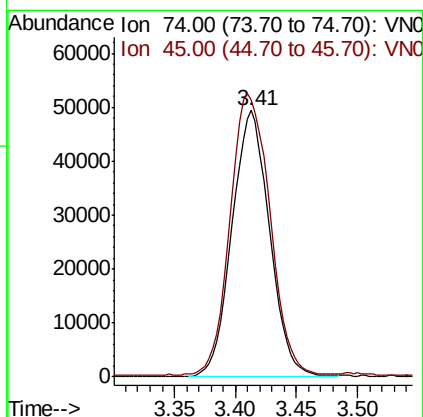
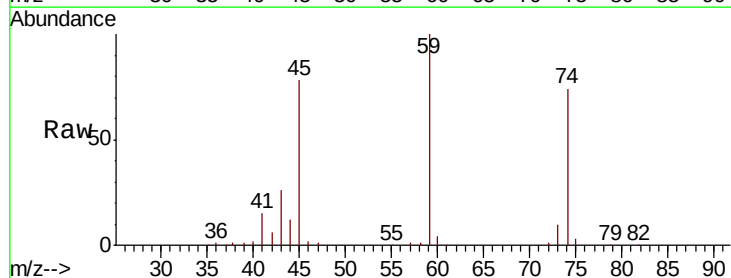
Tot Ion:101 Resp: 322326
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.5 78.7

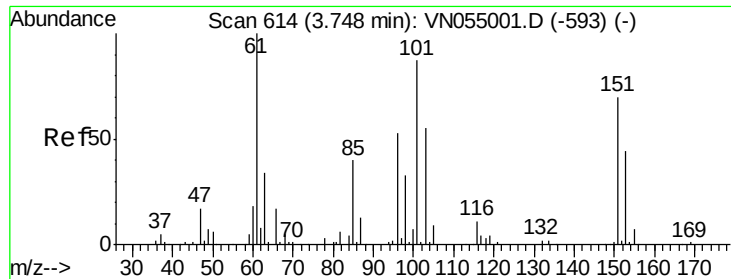


#8

Diethyl Ether
 Concen: 46.283 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion: 74 Resp: 105748
 Ion Ratio Lower Upper
 74 100
 45 111.4 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.318 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

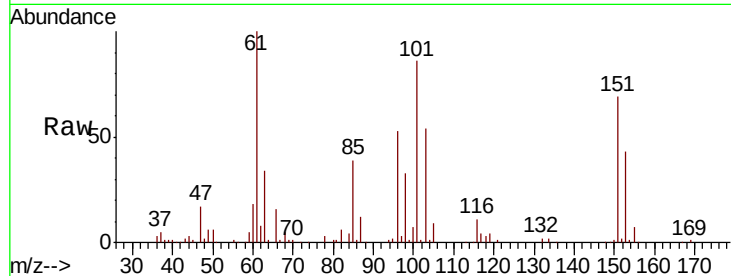
Tot Ion:101 Resp: 167179

Ion Ratio Lower Upper

101 100

85 46.1 36.9 55.3

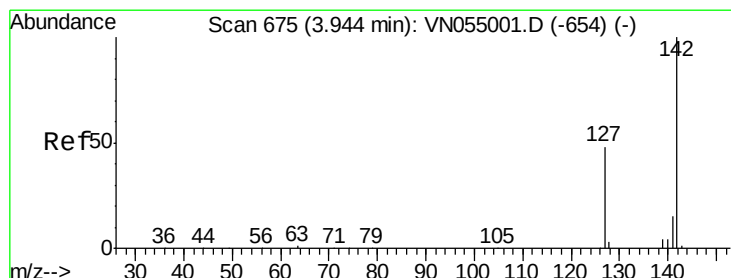
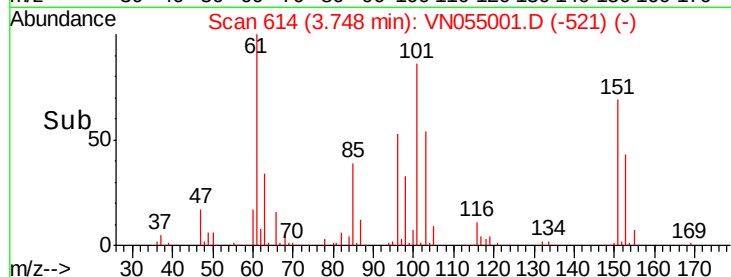
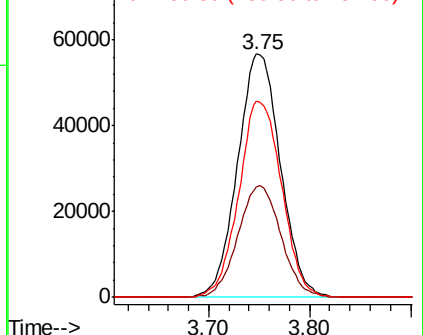
151 80.5 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.645 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

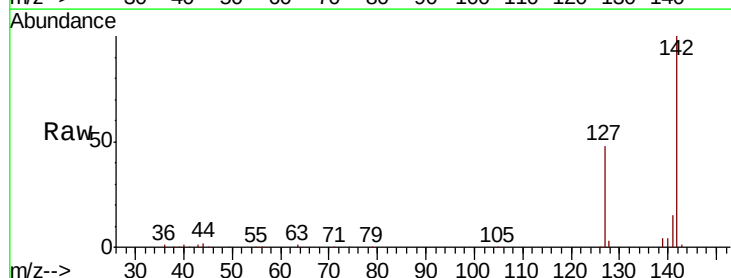
Tgt Ion:142 Resp: 253292

Ion Ratio Lower Upper

142 100

127 47.4 37.9 56.9

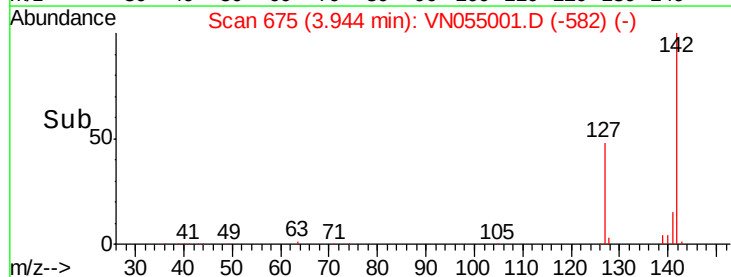
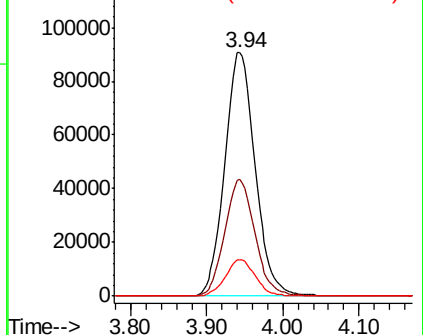
141 14.8 11.8 17.8

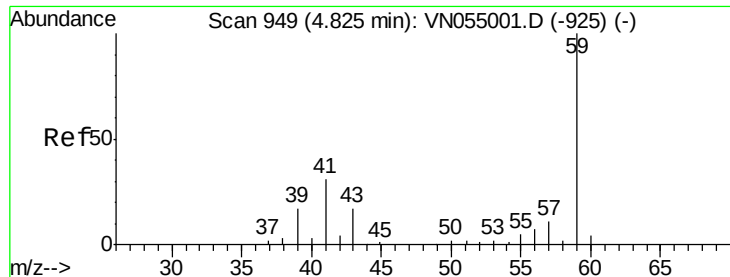


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

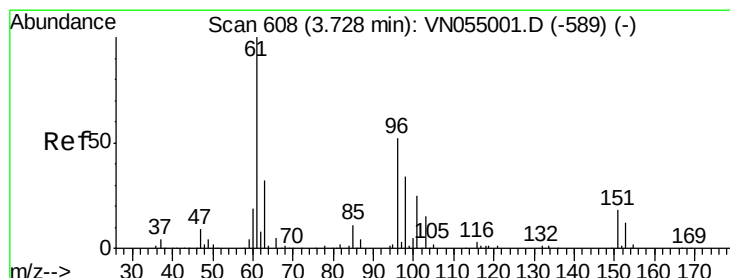
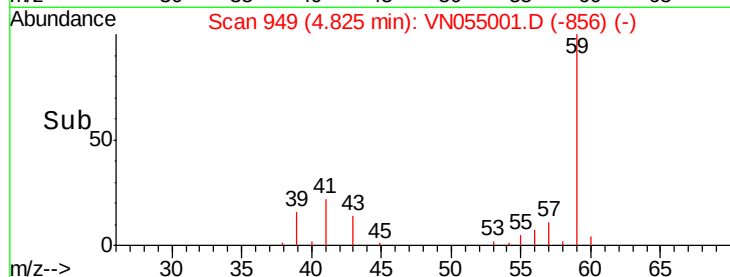
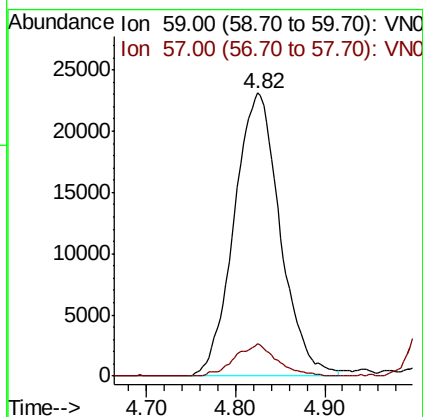
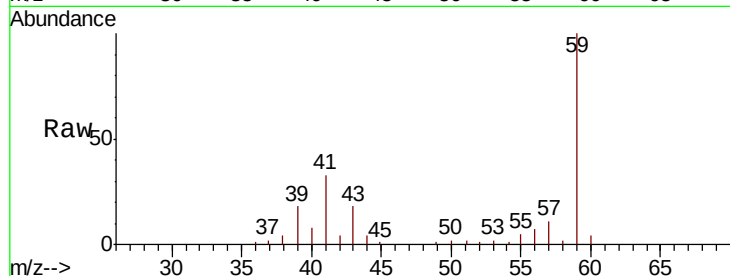




#11
Tert butyl alcohol
Concen: 272.373 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

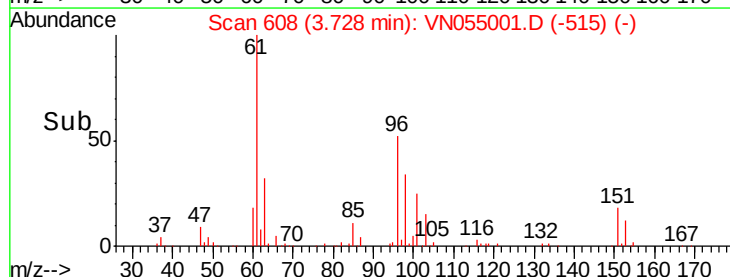
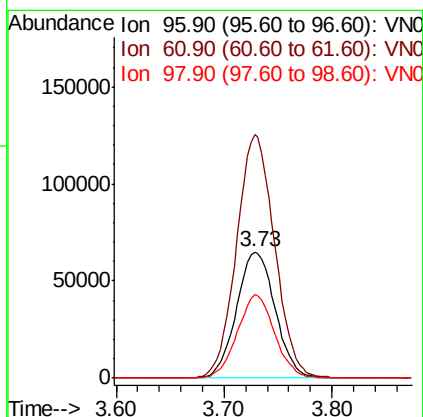
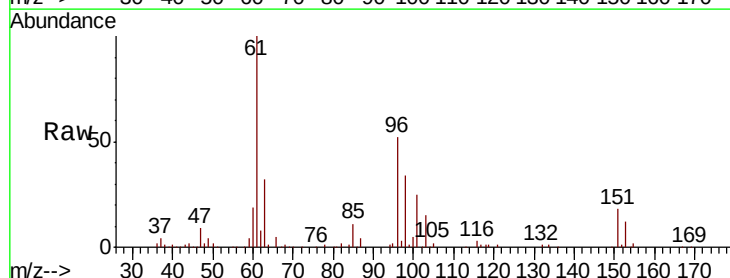
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

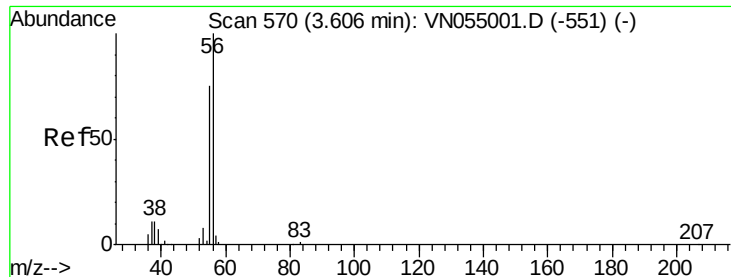
Tot Ion: 59 Resp: 82718
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5



#12
1,1-Dichloroethene
Concen: 43.431 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 96 Resp: 162103
Ion Ratio Lower Upper
96 100
61 192.8 154.2 231.4
98 66.1 52.9 79.3





#13

Acrolein

Concen: 260.235 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

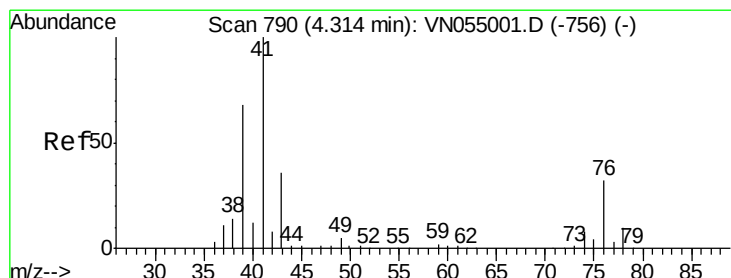
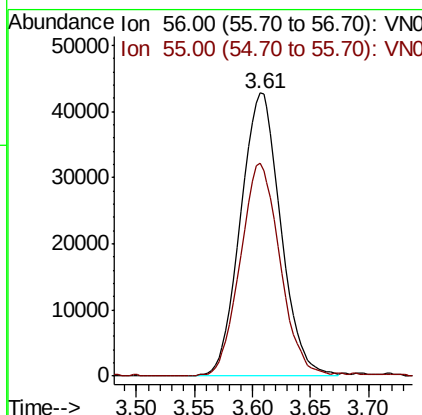
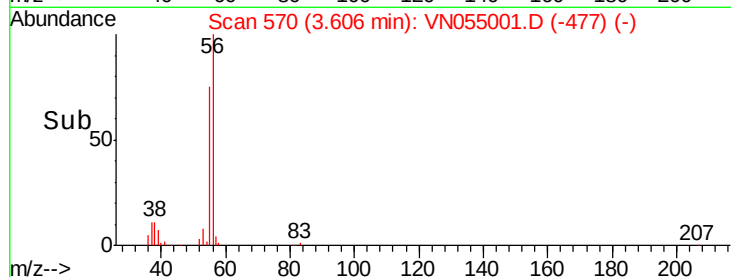
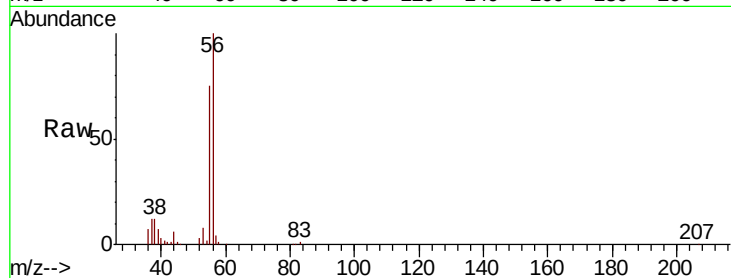
VSTDICCC050

Tot Ion: 56 Resp: 103236

Ion Ratio Lower Upper

56 100

55 74.4 59.5 89.3



#14

Allyl chloride

Concen: 49.362 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

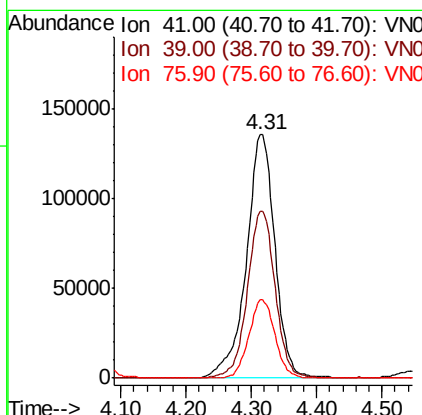
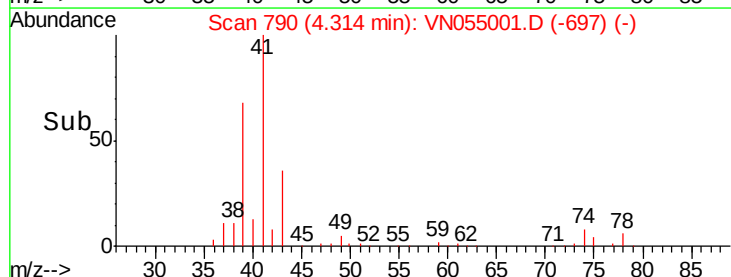
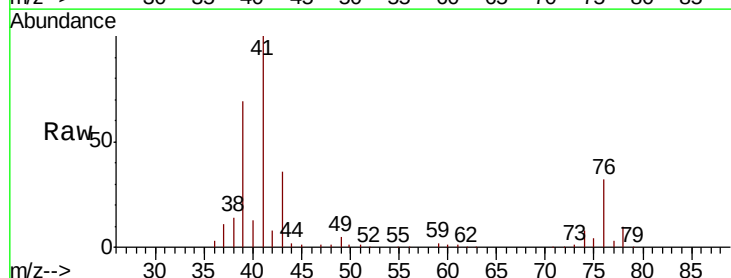
Tgt Ion: 41 Resp: 413841

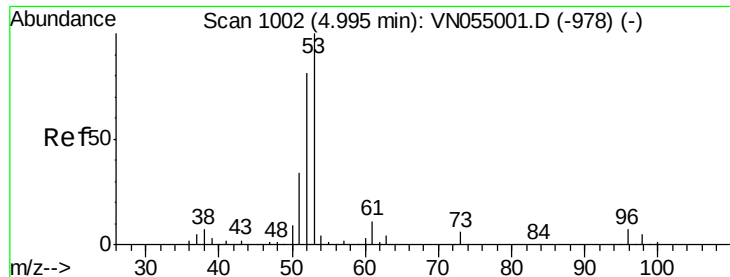
Ion Ratio Lower Upper

41 100

39 65.9 52.7 79.1

76 29.0 23.2 34.8





#15

Acrylonitrile

Concen: 265.853 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

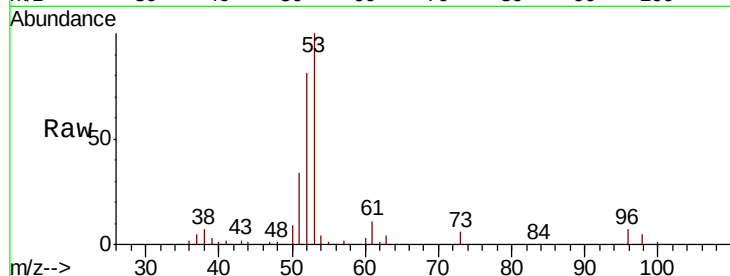
MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 475920

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.9	98.9
51	37.1	29.7	44.5

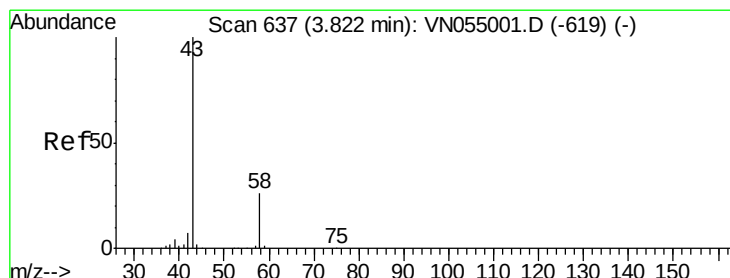
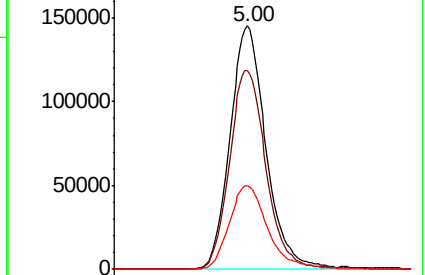
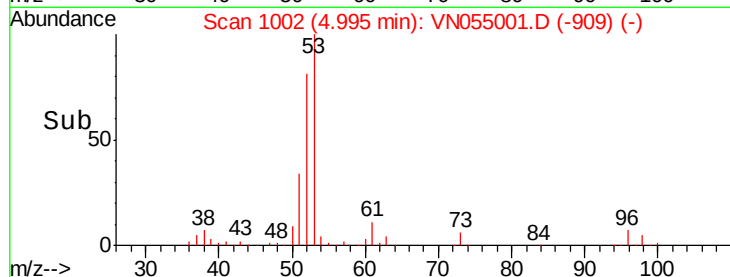


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 224.935 ug/l

RT: 3.82 min Scan# 637

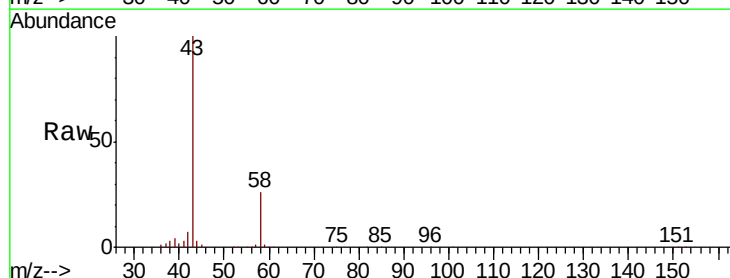
Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion: 43 Resp: 360904

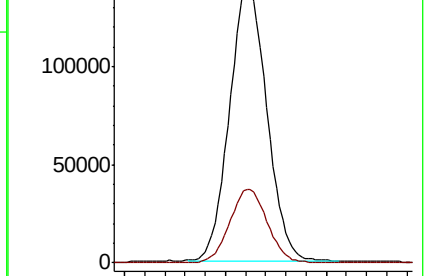
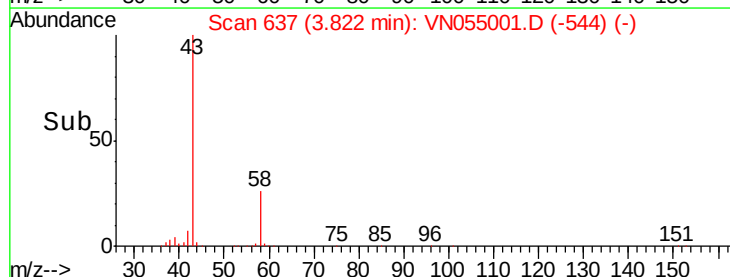
Ion	Ratio	Lower	Upper
43	100		
58	26.1	20.9	31.3

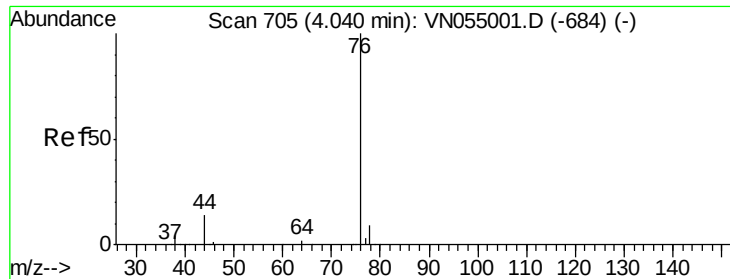


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

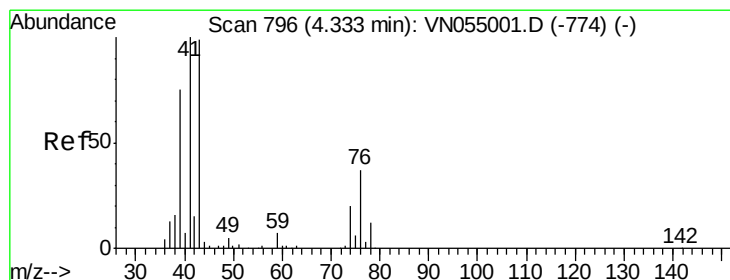
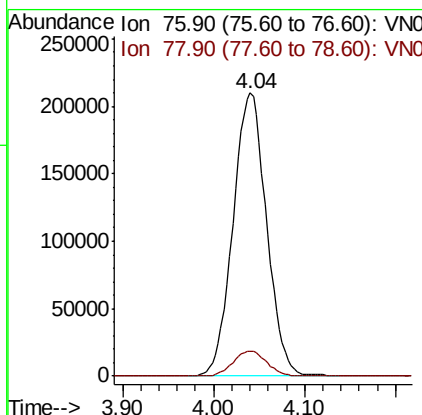
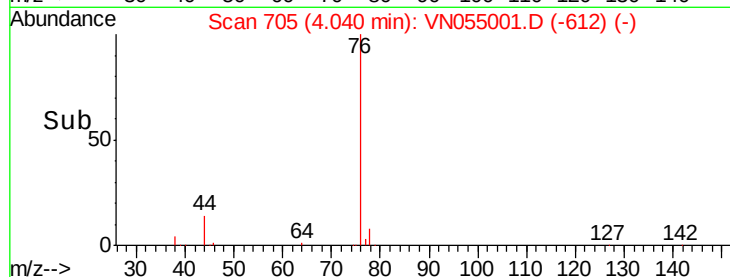
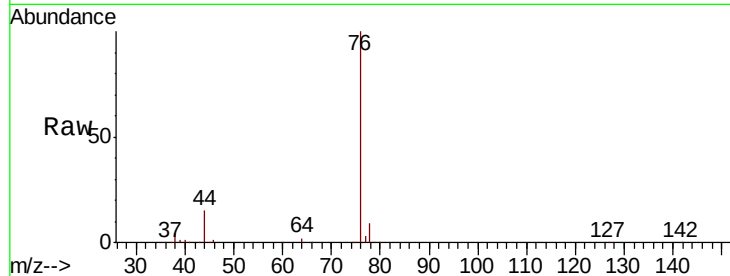




#17
Carbon Disulfide
Concen: 45.168 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

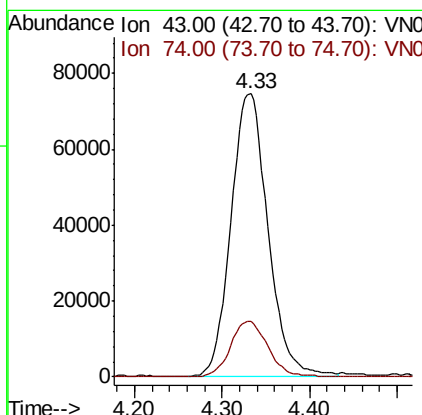
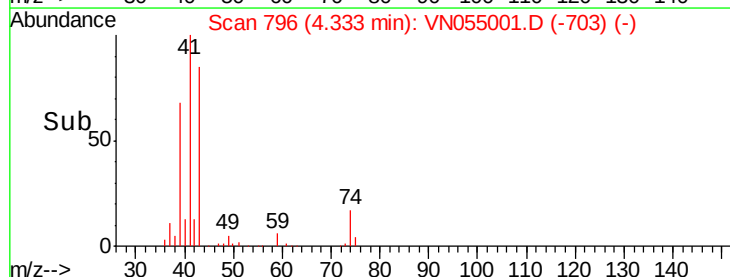
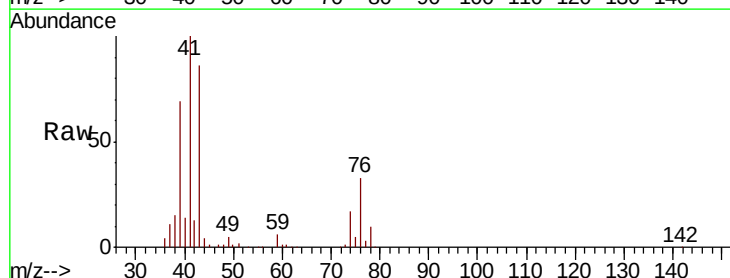
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

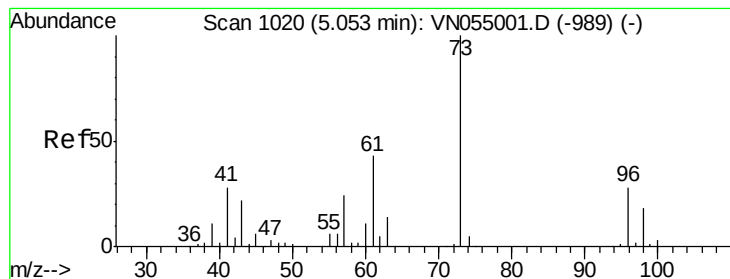
Tot Ion: 76 Resp: 536738
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 50.204 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 43 Resp: 218039
Ion Ratio Lower Upper
43 100
74 20.1 16.1 24.1





#19

Methyl tert-butyl Ether

Concen: 49.981 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

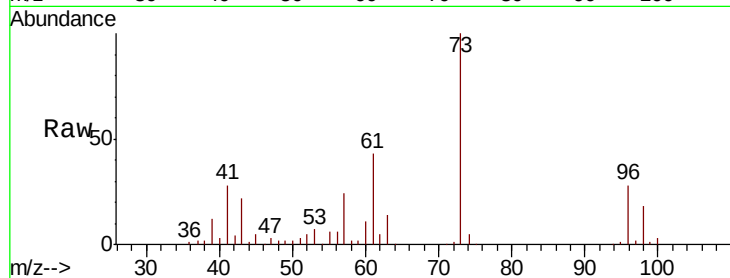
VSTDICCC050

Tot Ion: 73 Resp: 617550

Ion Ratio Lower Upper

73 100

57 23.7 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VN055001.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN055001.D (-989) (-)

5.05

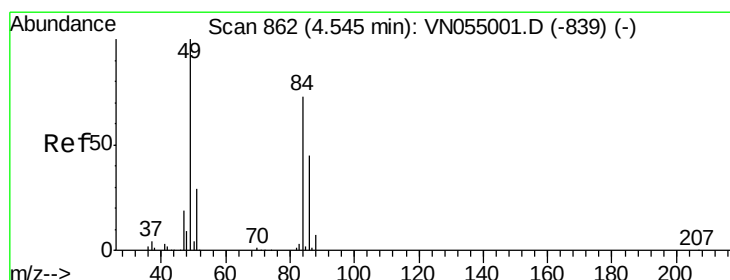
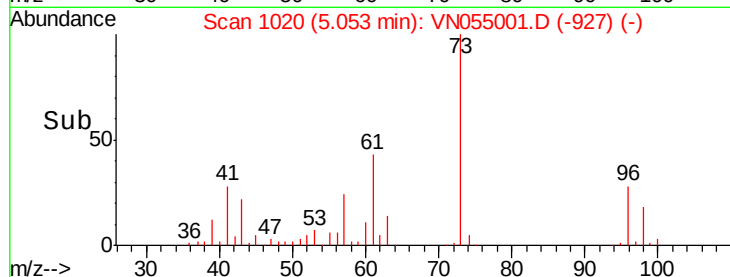
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 47.679 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion: 84 Resp: 252328

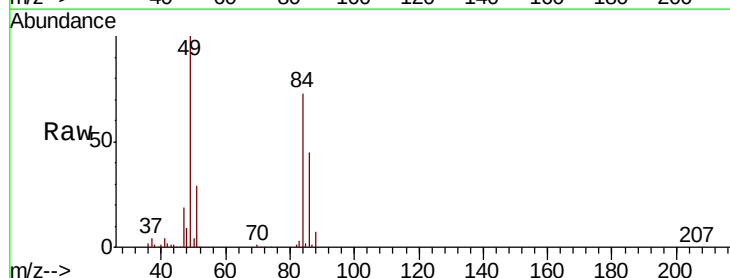
Ion Ratio Lower Upper

84 100

49 136.8 109.4 164.2

51 40.3 32.2 48.4

86 61.6 49.3 73.9



Abundance Ion 83.90 (83.60 to 84.60): VN055001.D (-839) (-)

Ion 48.90 (48.60 to 49.60): VN055001.D (-839) (-)

Ion 50.90 (50.60 to 51.60): VN055001.D (-839) (-)

Ion 85.90 (85.60 to 86.60): VN055001.D (-839) (-)

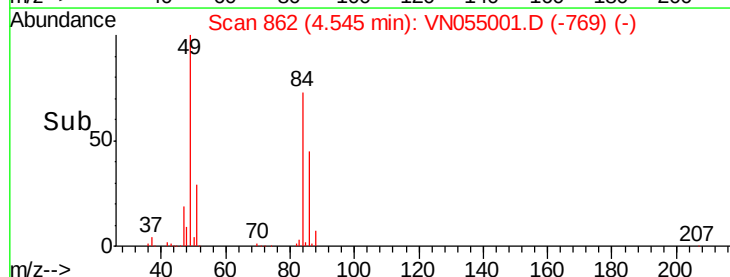
150000

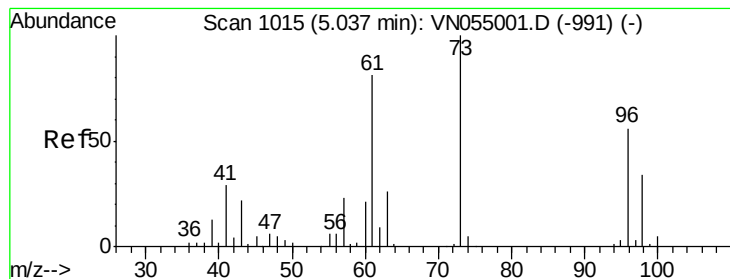
100000

50000

0

Time-->



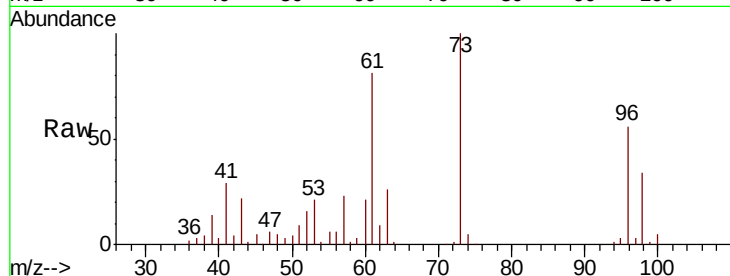


#21

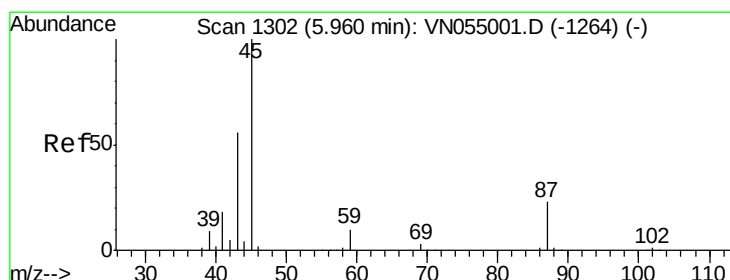
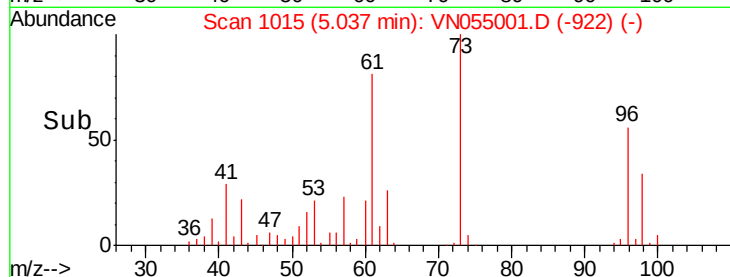
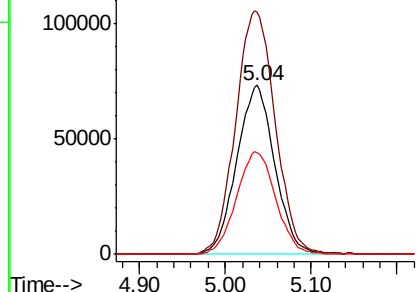
trans-1,2-Dichloroethene
Concen: 47.775 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 96 Resp: 225147
Ion Ratio Lower Upper
96 100
61 143.6 114.9 172.3
98 60.5 48.4 72.6



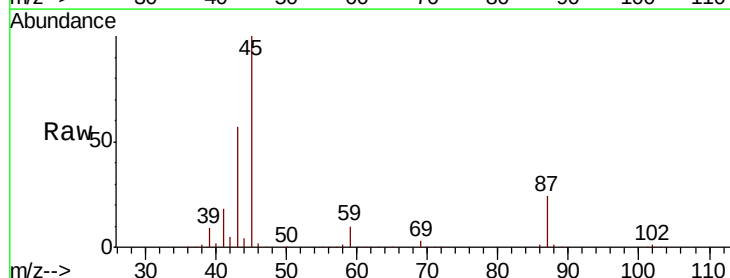
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



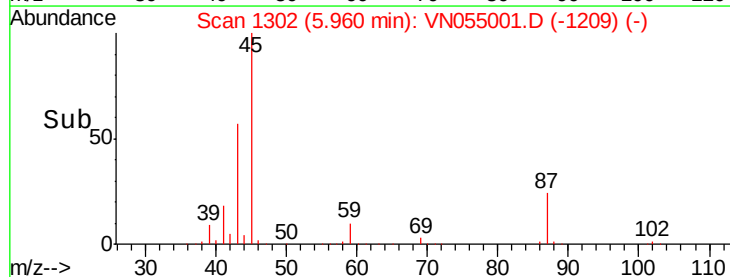
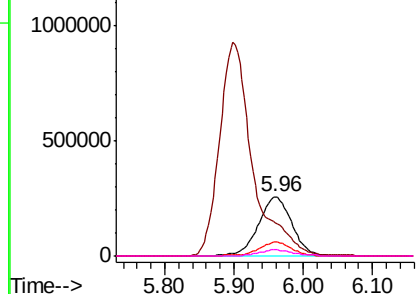
#22

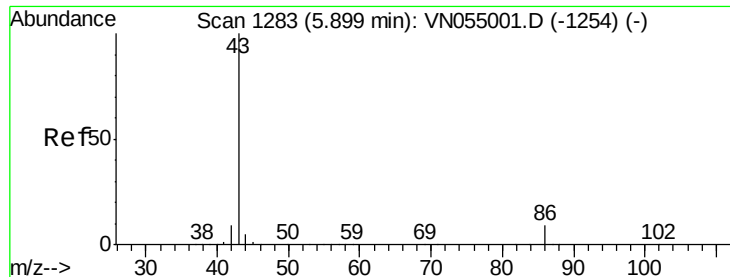
Diisopropyl ether
Concen: 49.798 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 45 Resp: 860617
Ion Ratio Lower Upper
45 100
43 56.0 44.8 67.2
87 23.6 18.9 28.3
59 9.9 7.9 11.9



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





#23

Vinyl Acetate

Concen: 258.213 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampled :

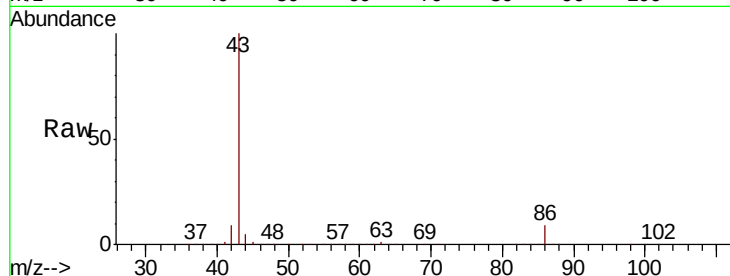
VSTDICCC050

Tot Ion: 43 Resp: 3108842

Ion Ratio Lower Upper

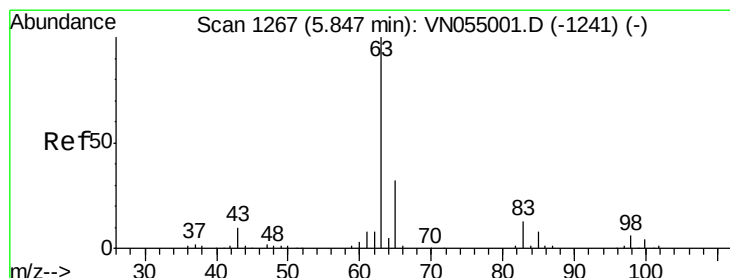
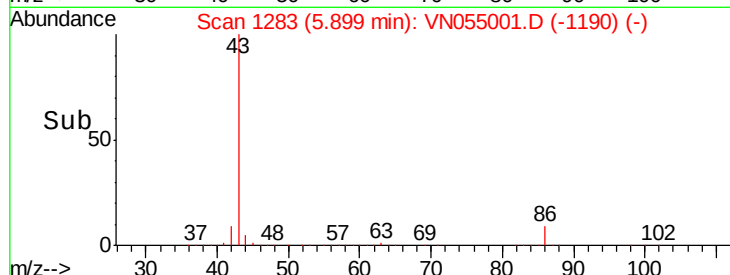
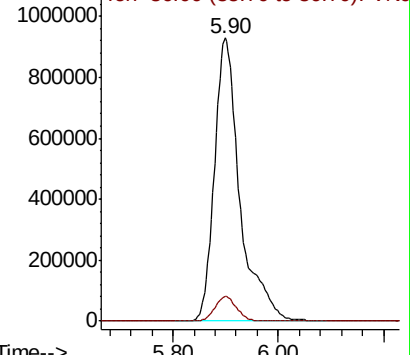
43 100

86 8.7 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.585 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

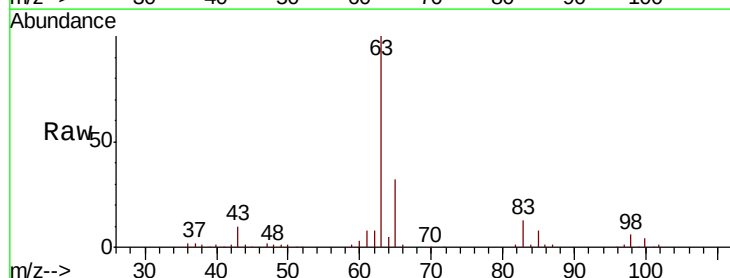
Tgt Ion: 63 Resp: 447034

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

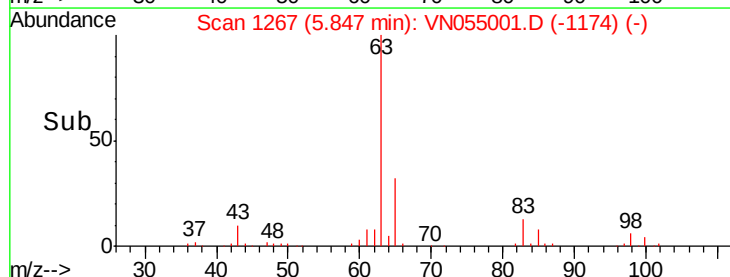
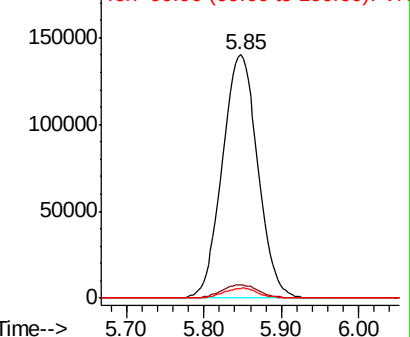
100 3.9 2.0 5.8

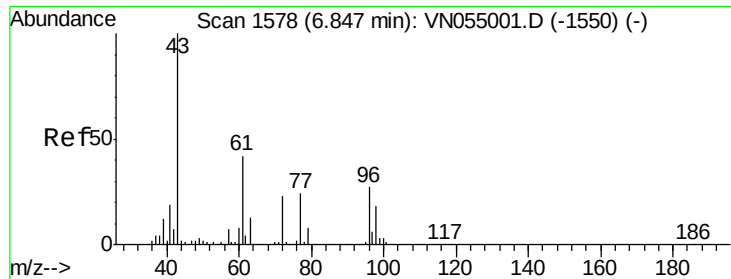


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

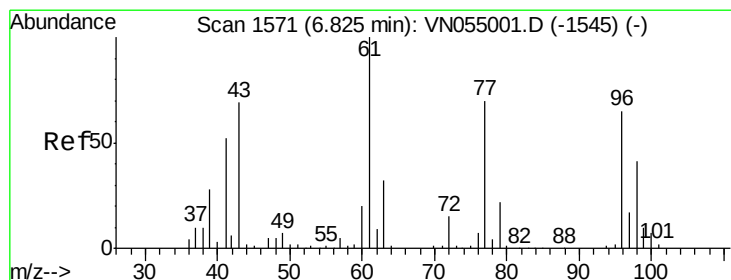
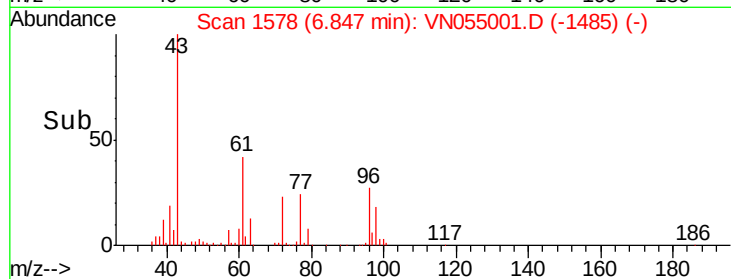
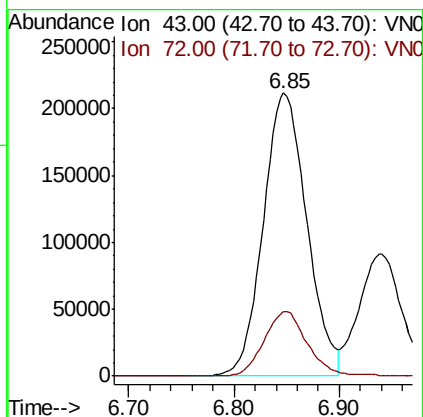
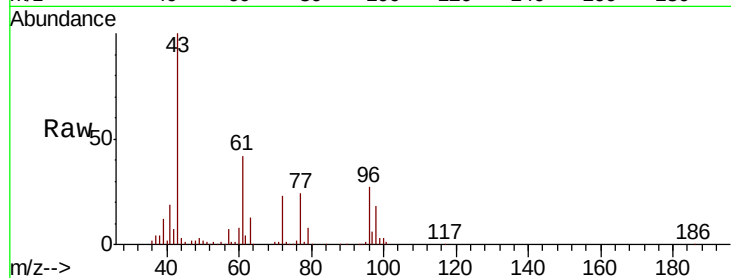




#25
2-Butanone
Concen: 279.838 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

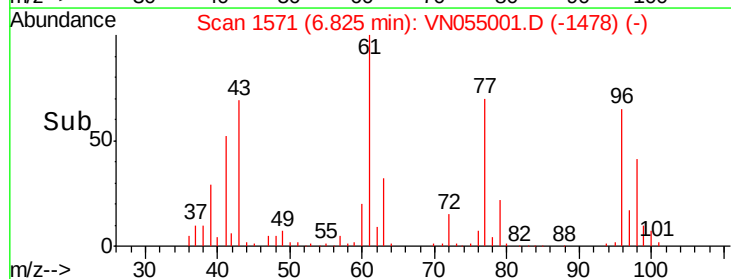
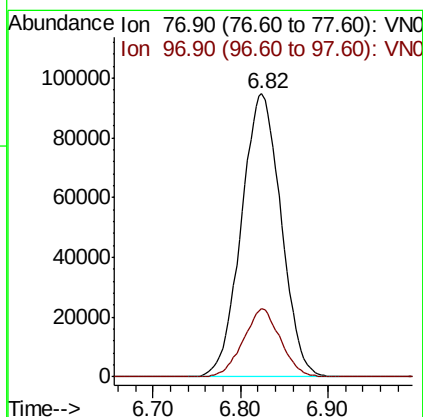
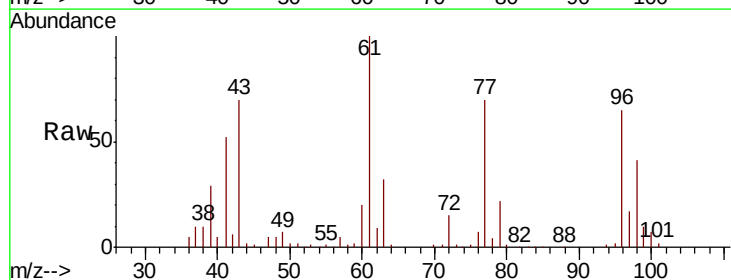
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

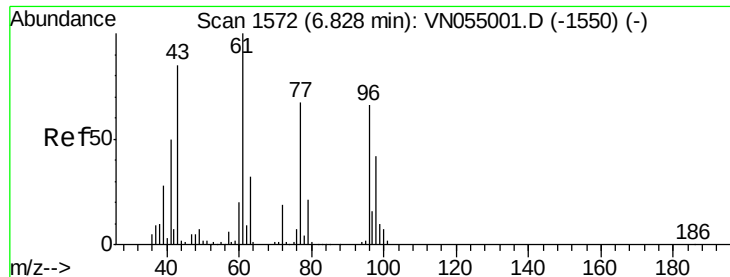
Tot Ion: 43 Resp: 605644
Ion Ratio Lower Upper
43 100
72 22.6 18.1 27.1



#26
2,2-Dichloropropane
Concen: 45.569 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 77 Resp: 298158
Ion Ratio Lower Upper
77 100
97 22.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 48.562 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

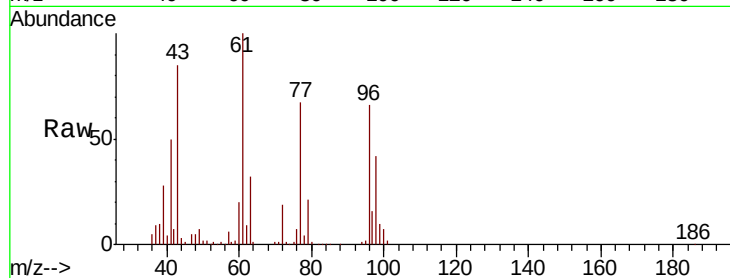
Tot Ion: 96 Resp: 260628

Ion Ratio Lower Upper

96 100

61 155.5 0.0 311.0

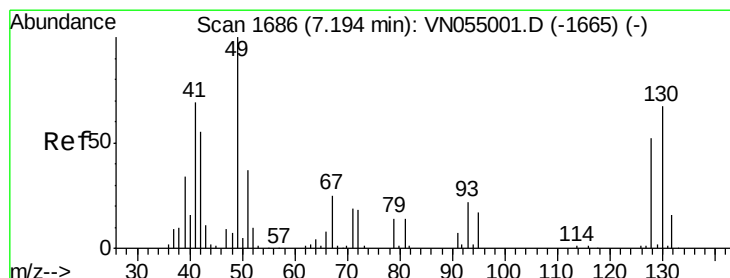
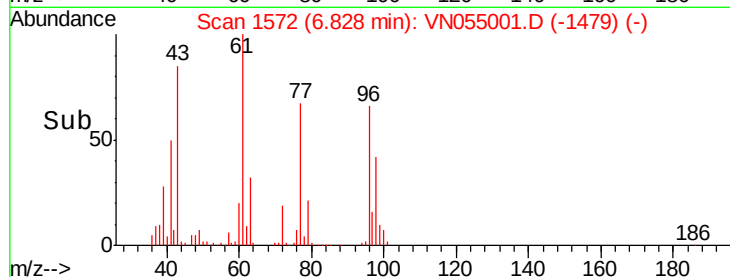
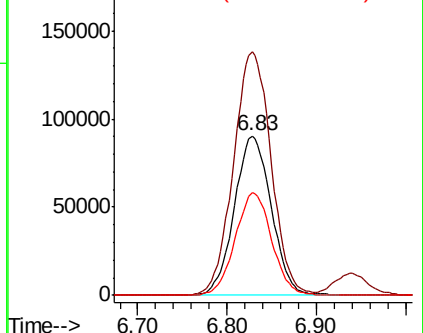
98 63.7 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.873 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

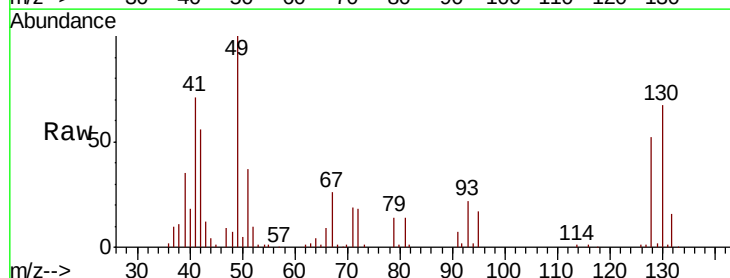
Tgt Ion: 49 Resp: 216803

Ion Ratio Lower Upper

49 100

129 1.0 0.0 2.0

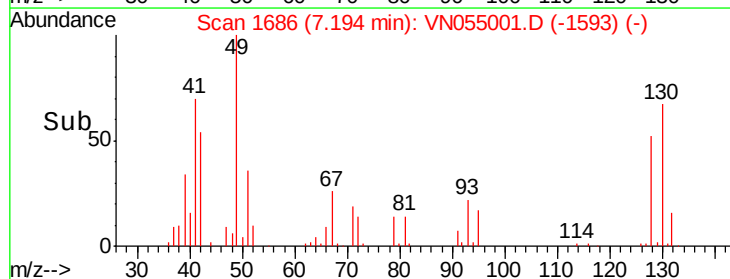
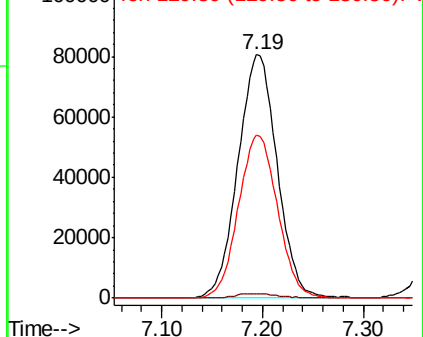
130 66.8 53.4 80.2

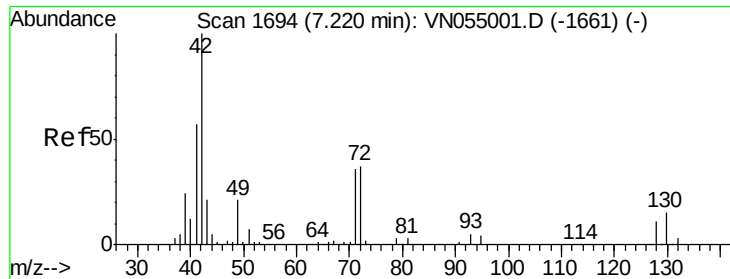


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

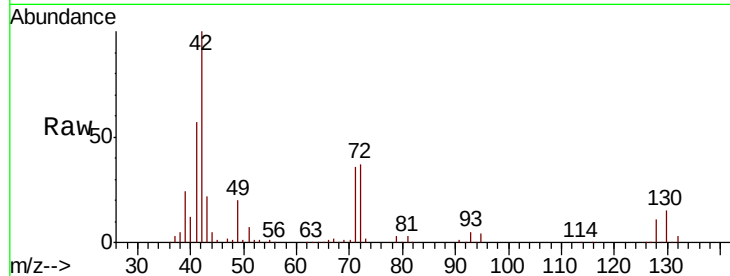




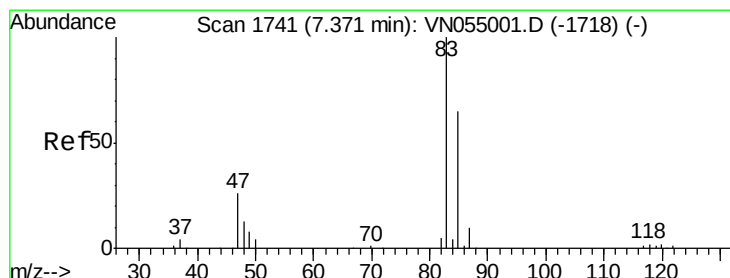
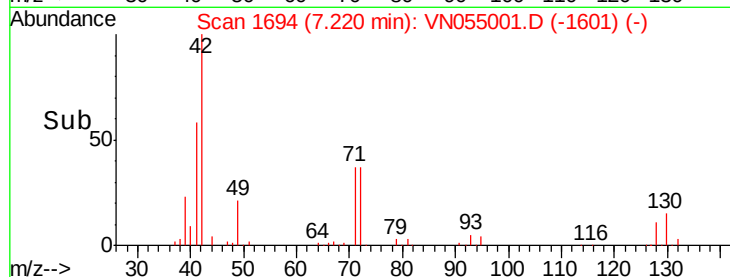
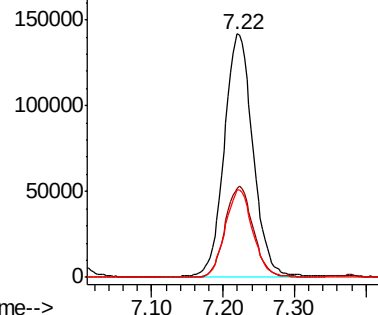
#29
Tetrahydrofuran
Concen: 276.763 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 42 Resp: 396014
Ion Ratio Lower Upper
42 100
72 36.7 29.4 44.0
71 34.7 27.8 41.6

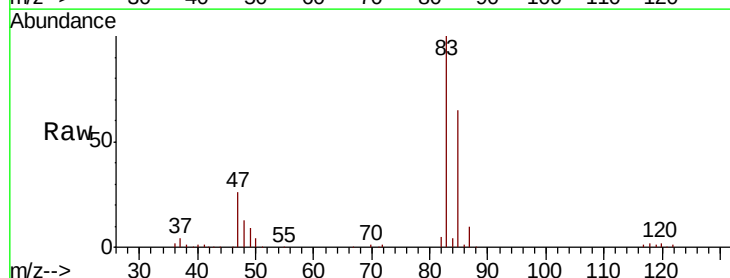


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

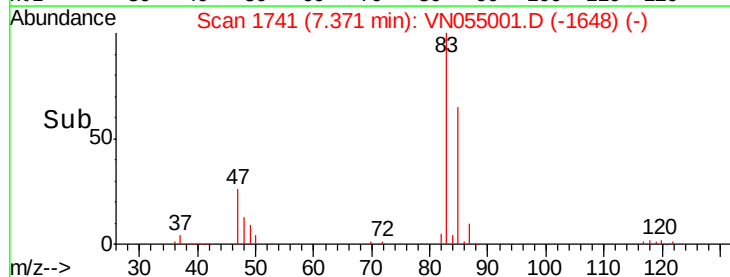
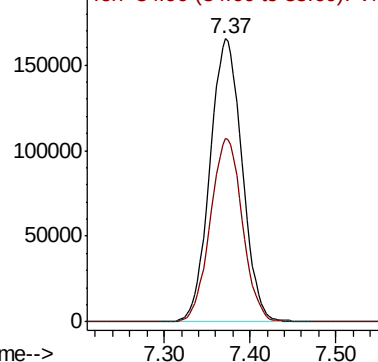


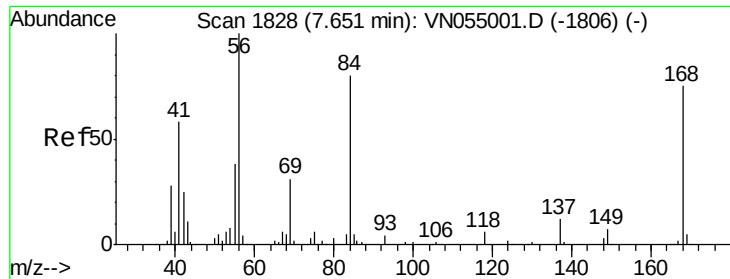
#30
Chloroform
Concen: 48.226 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 83 Resp: 429920
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6



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

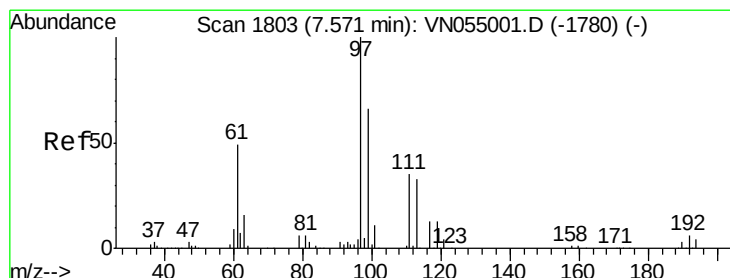
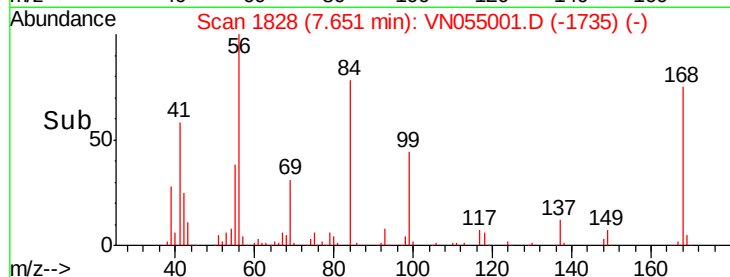
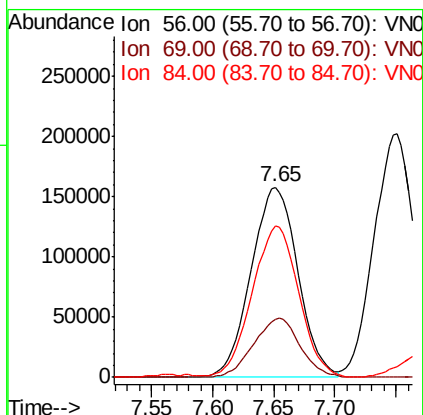
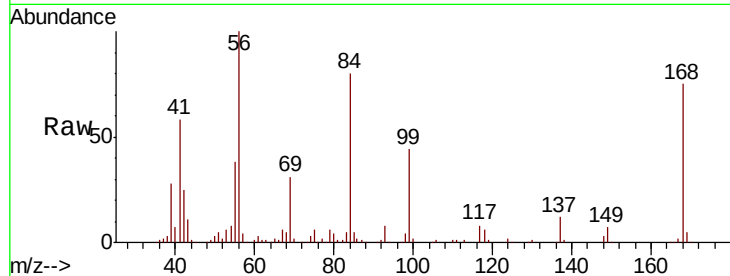




#31
Cyclohexane
Concen: 39.263 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

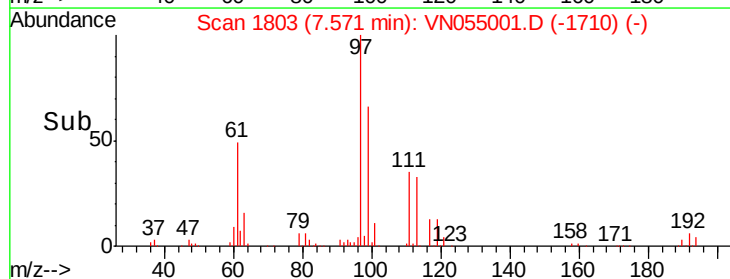
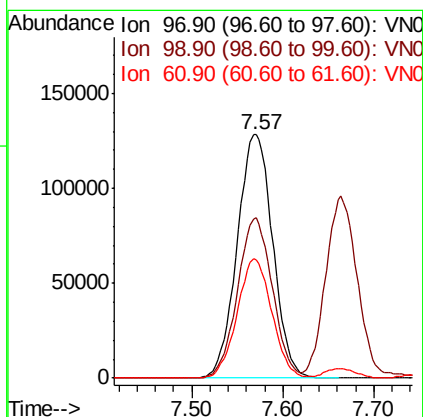
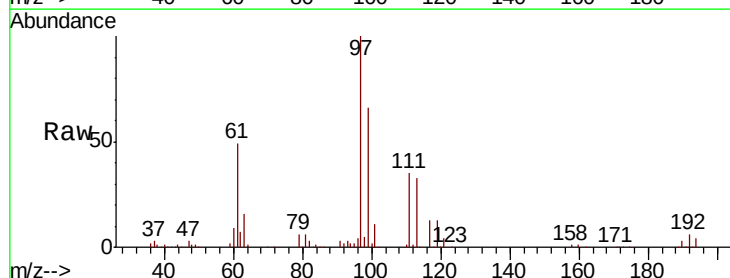
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

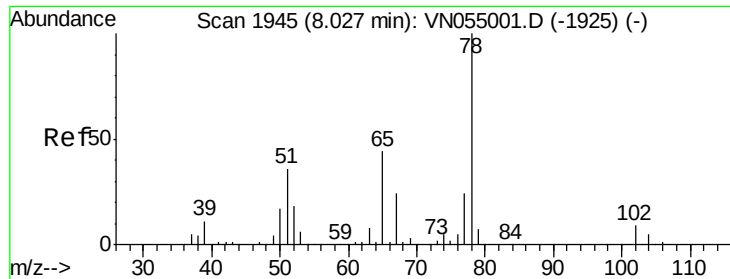
Tot Ion: 56 Resp: 420962
Ion Ratio Lower Upper
56 100
69 30.6 24.5 36.7
84 78.6 62.9 94.3



#32
1,1,1-Trichloroethane
Concen: 46.497 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 97 Resp: 348348
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 47.9 38.3 57.5

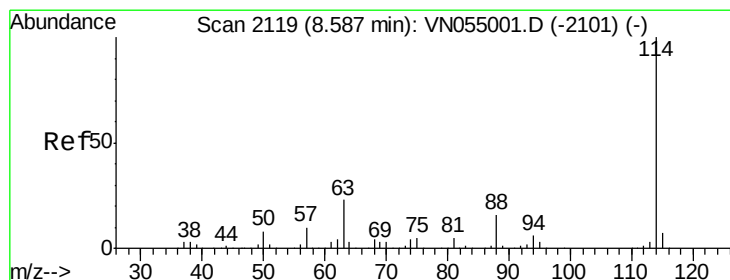
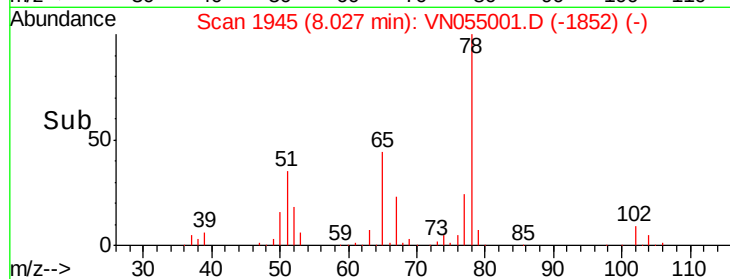
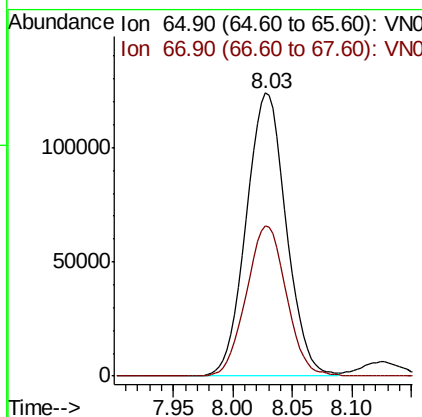
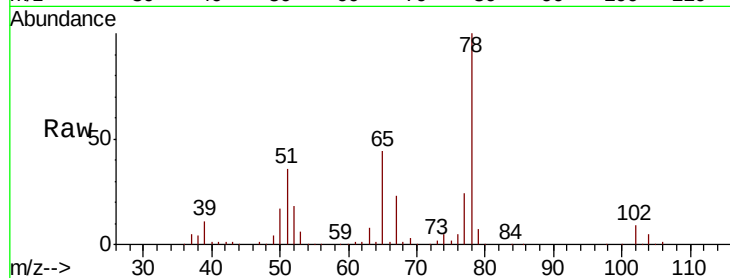




#33
 1,2-Dichloroethane-d4
 Concen: 50.663 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

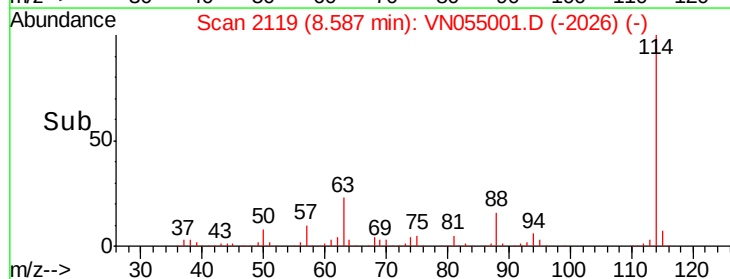
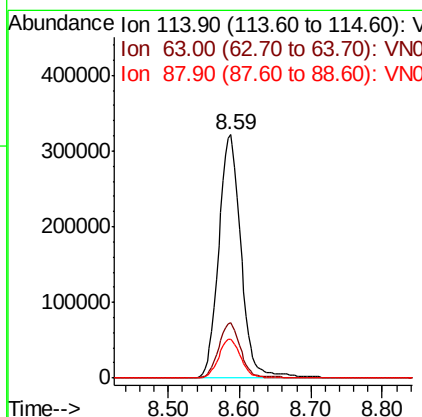
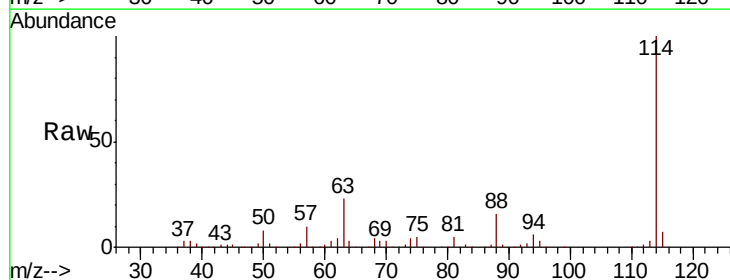
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

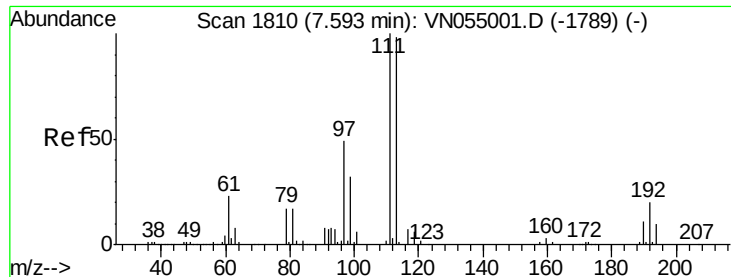
Tot Ion: 65 Resp: 288800
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion: 114 Resp: 698427
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.2
 88 15.9 0.0 31.8

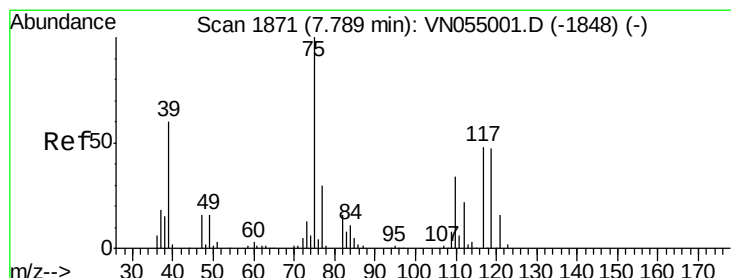
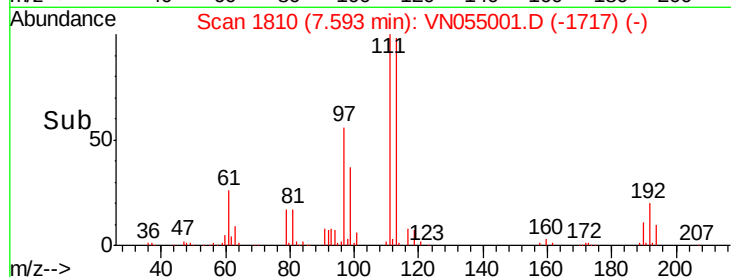
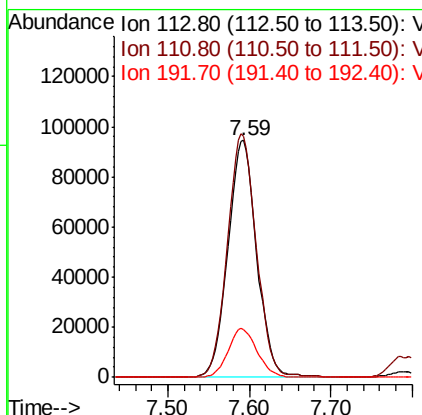
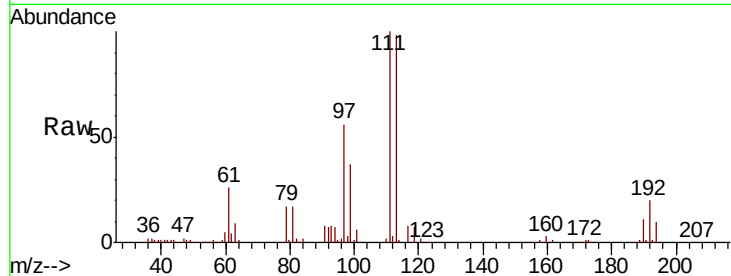




#35
 Dibromofluoromethane
 Concen: 51.479 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

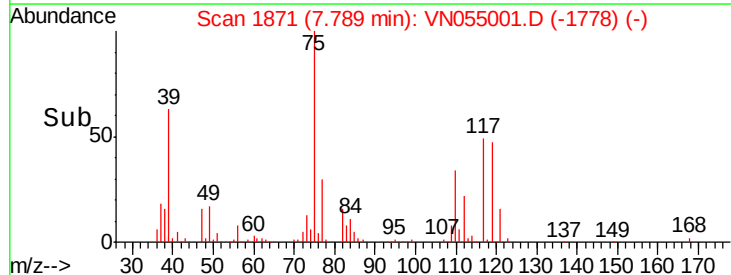
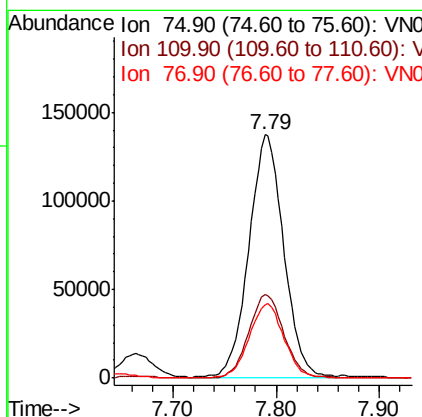
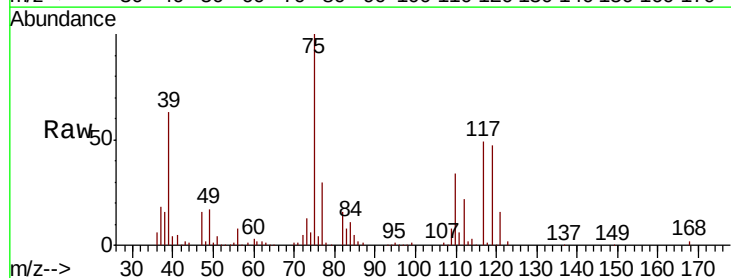
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

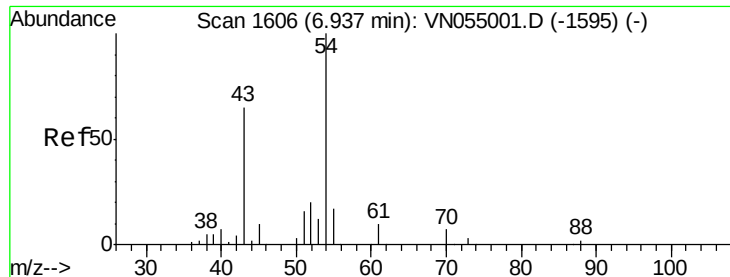
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.1	123.1
192	20.6	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 46.762 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.5	52.5
77	31.1	24.9	37.3

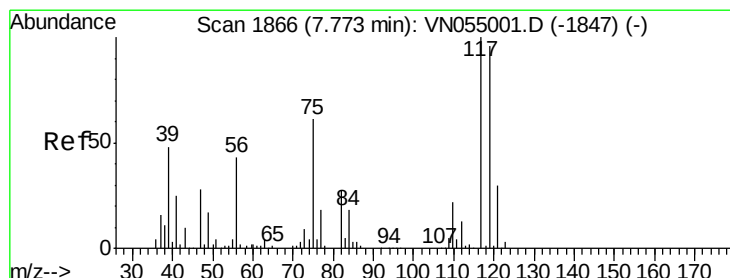
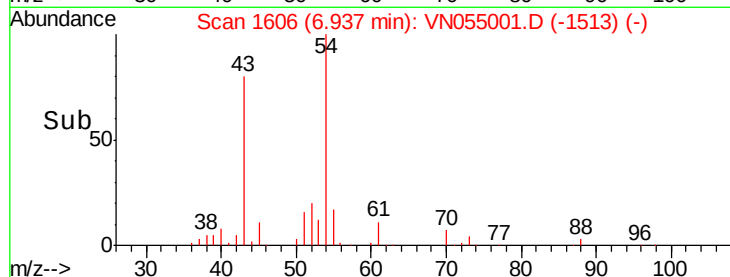
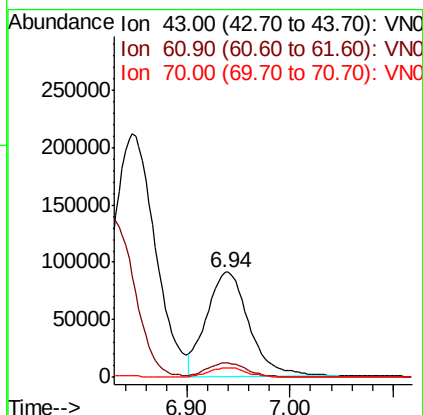
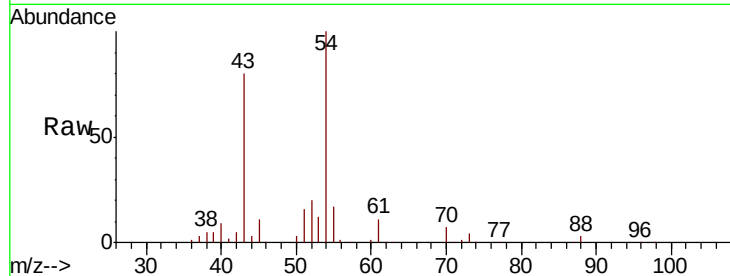




#37
Ethyl Acetate
Concen: 53.889 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

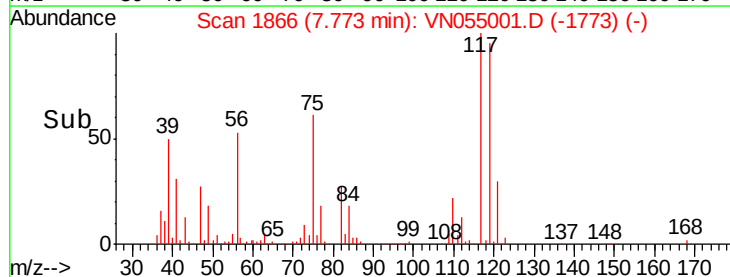
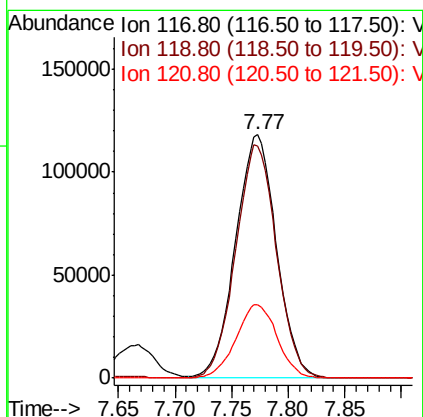
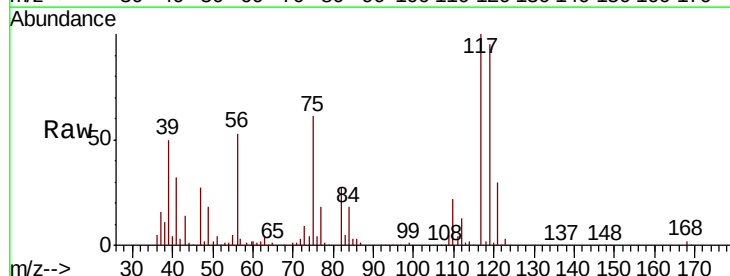
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

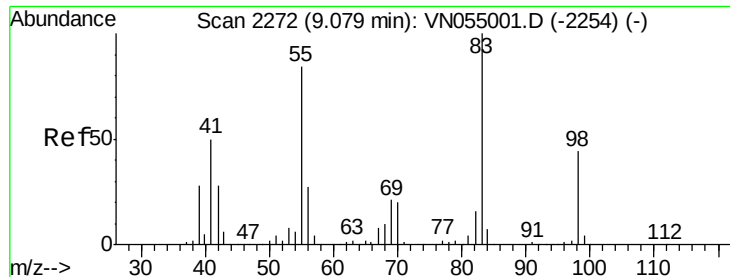
Tot Ion: 43 Resp: 258367
Ion Ratio Lower Upper
43 100
61 12.5 10.0 15.0
70 8.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 45.042 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 117 Resp: 295728
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5
121 29.9 23.9 35.9

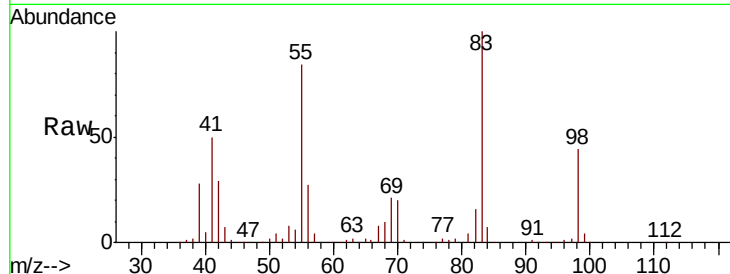




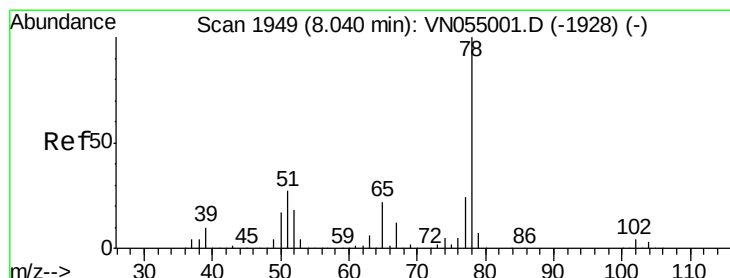
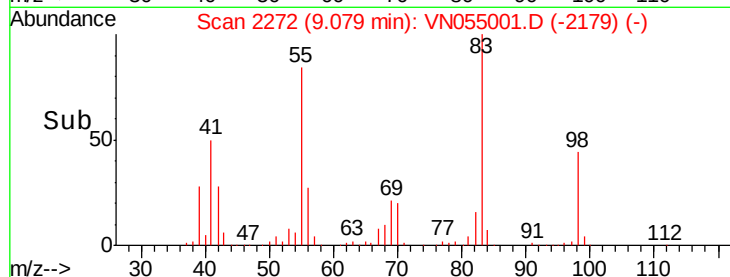
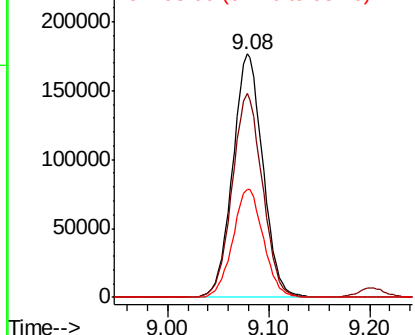
#39
Methylvlcyclohexane
Concen: 48.704 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 366084
Ion Ratio Lower Upper
83 100
55 83.7 67.0 100.4
98 44.5 35.6 53.4

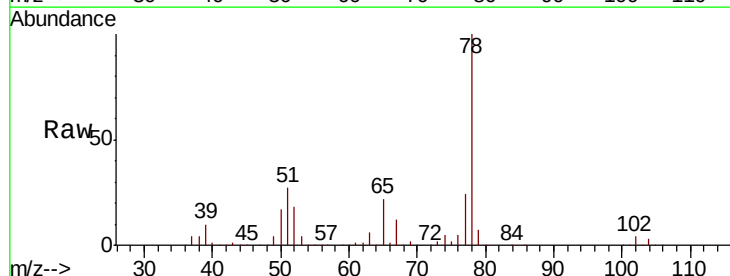


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

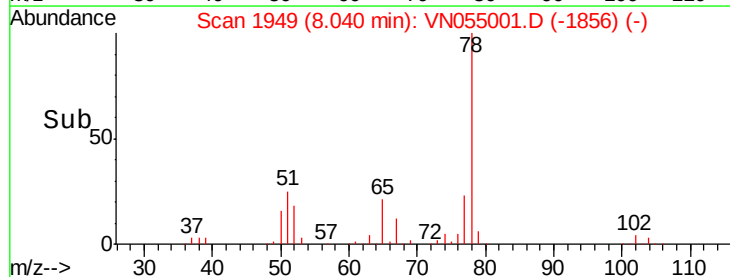
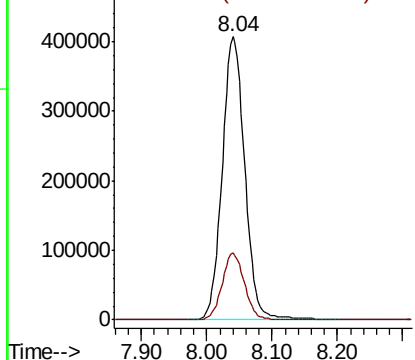


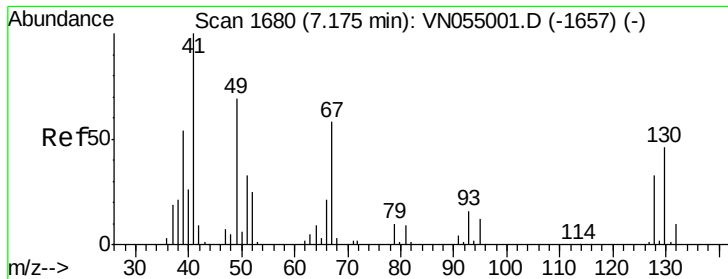
#40
Benzene
Concen: 49.406 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 78 Resp: 975446
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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

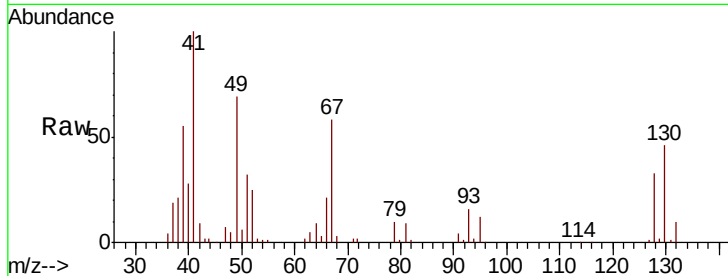




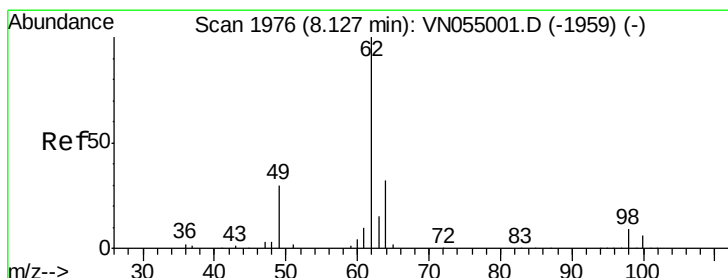
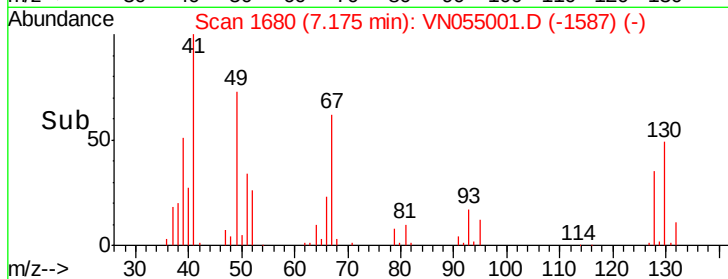
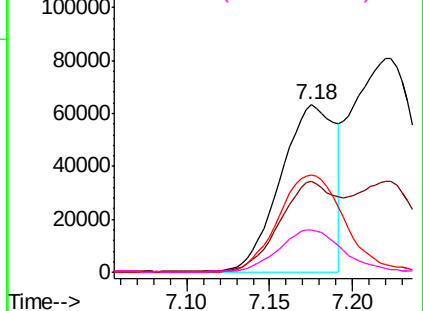
#41
Methacrylonitrile
Concen: 52.785 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:	41	Resp:	144270
Ion	Ratio	Lower	Upper
41	100		
39	57.0	45.6	68.4
67	71.3	57.0	85.6
52	29.5	23.6	35.4

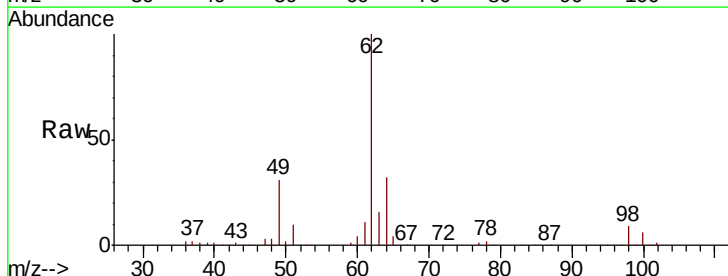


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

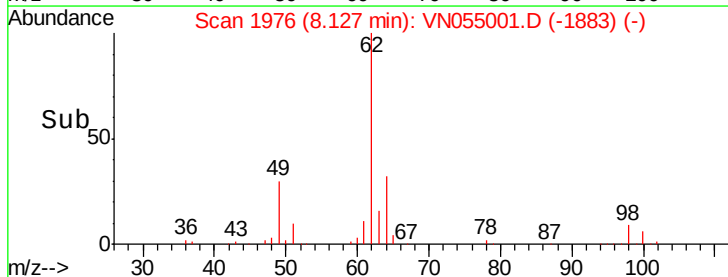
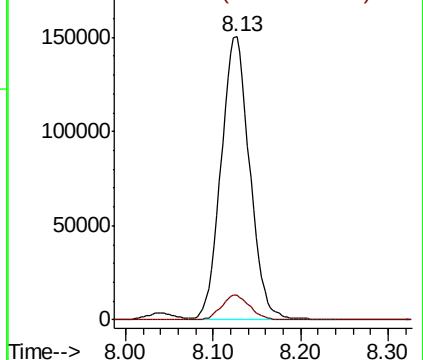


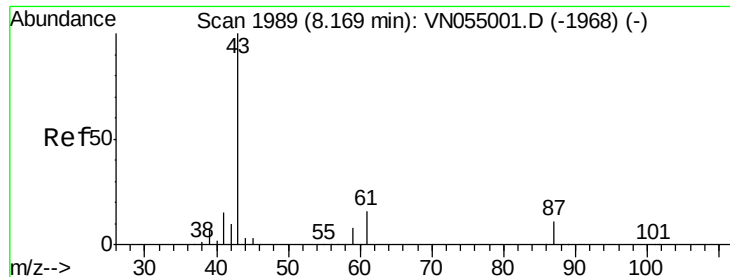
#42
1,2-Dichloroethane
Concen: 49.038 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion:	62	Resp:	340921
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 53.976 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

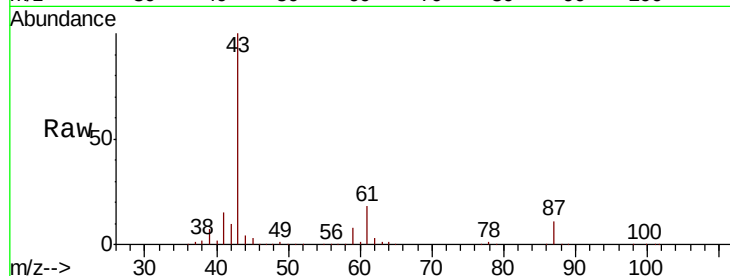
Tot Ion: 43 Resp: 435442

Ion Ratio Lower Upper

43 100

61 17.9 14.3 21.5

87 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)

8.17

200000

150000

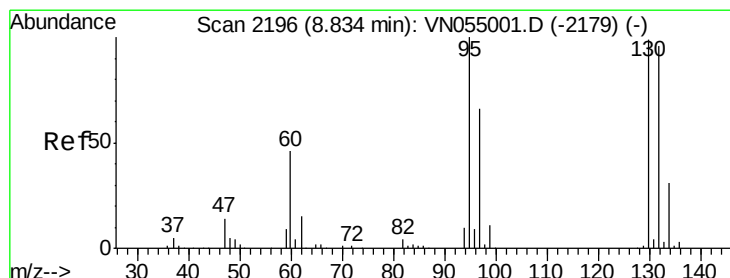
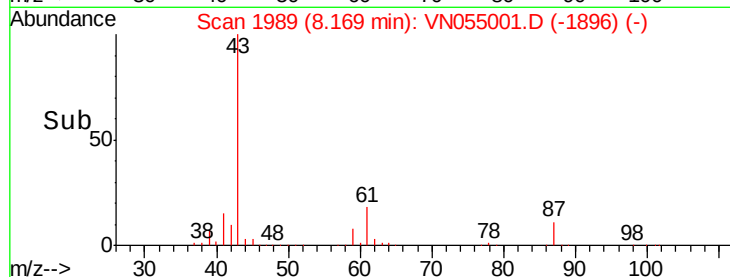
100000

50000

0

8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 49.188 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055001.D

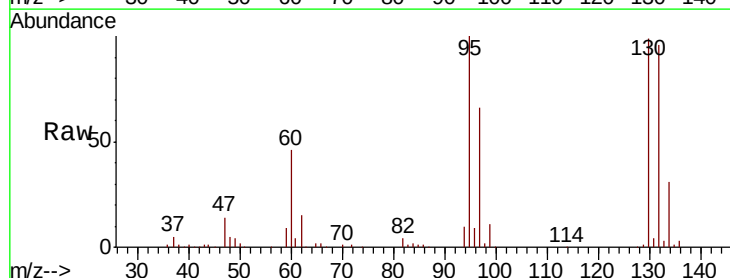
Acq: 12 Apr 2019 16:05

Tgt Ion:130 Resp: 248533

Ion Ratio Lower Upper

130 100

95 100.8 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)

8.83

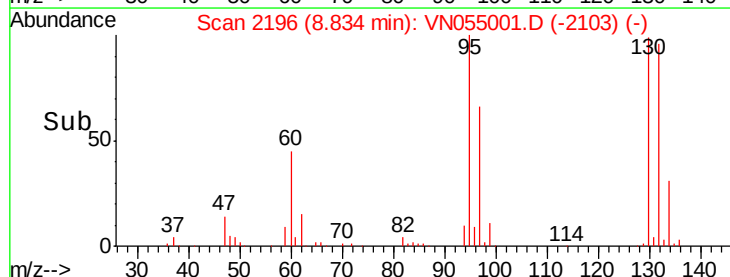
100000

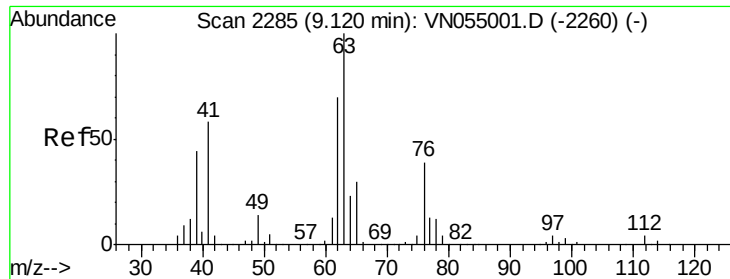
50000

0

8.70 8.80 8.90 9.00

Time-->

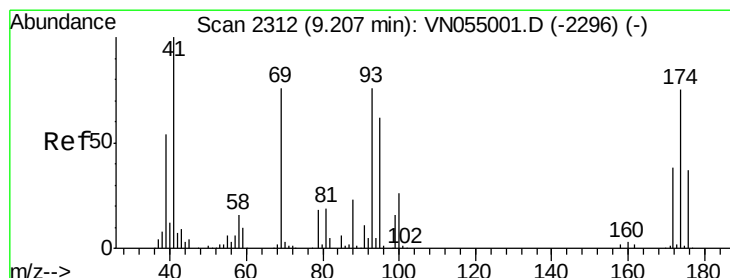
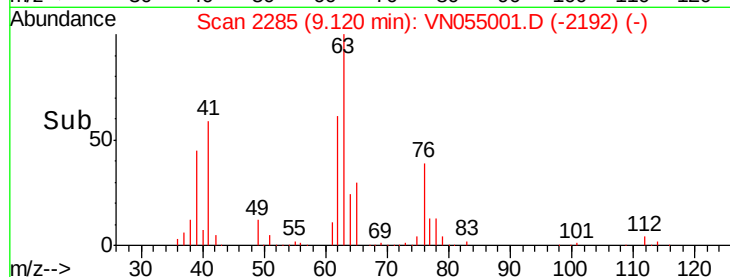
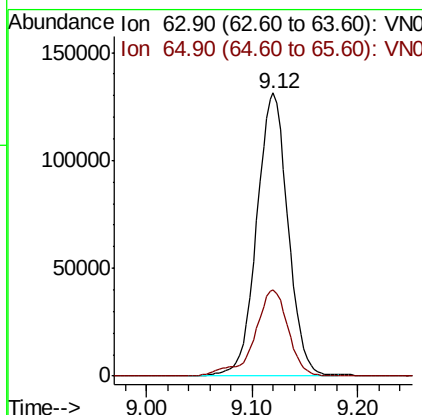
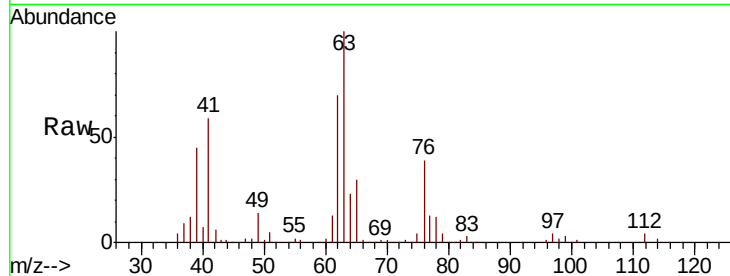




#45
 1,2-Dichloropropane
 Concen: 49.253 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

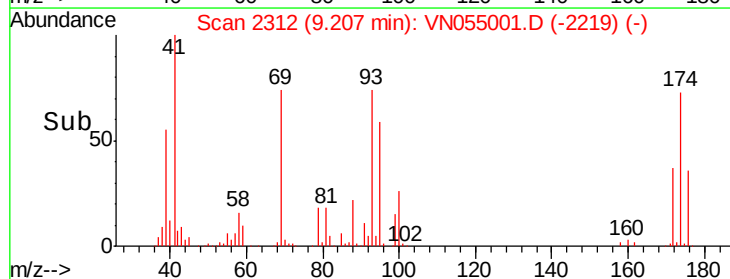
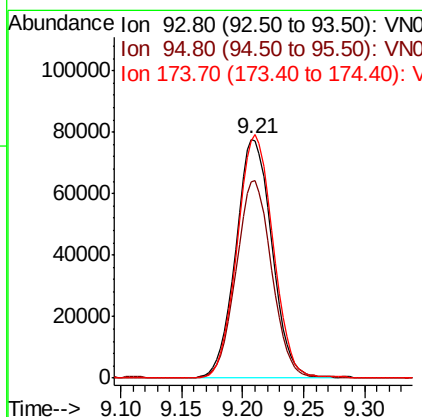
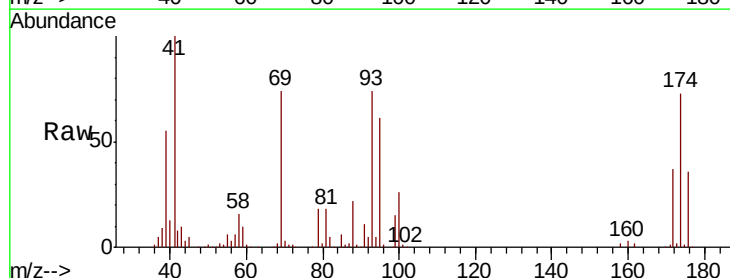
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

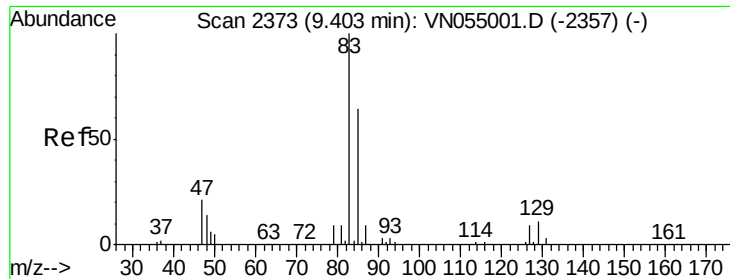
Tot Ion: 63 Resp: 270998
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6



#46
 Dibromomethane
 Concen: 50.743 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion: 93 Resp: 159641
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.0 97.6
 174 101.3 81.0 121.6





#47

Bromodichloromethane

Concen: 49.875 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

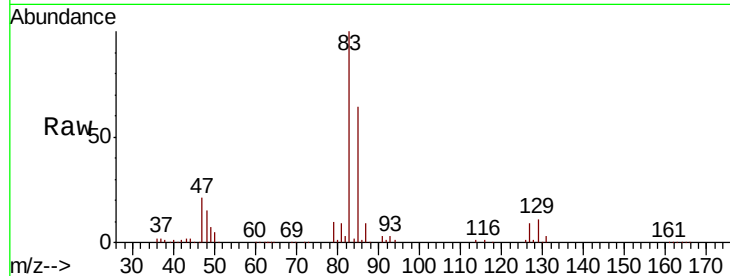
Tot Ion: 83 Resp: 327066

Ion Ratio Lower Upper

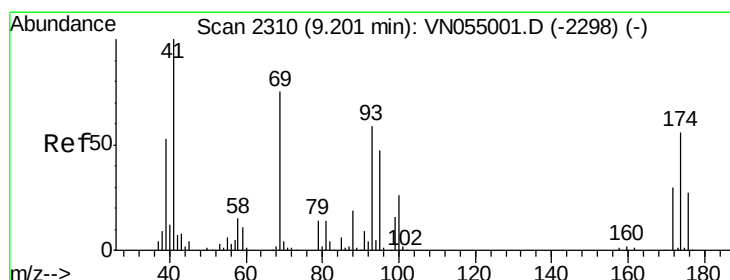
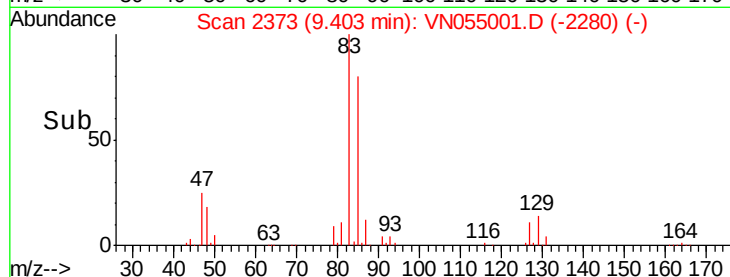
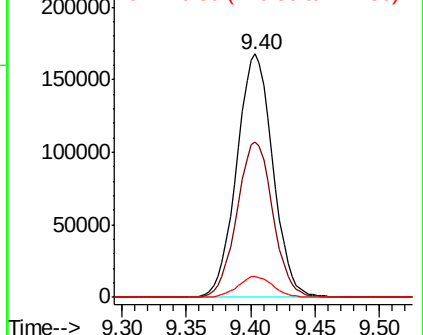
83 100

85 64.0 51.2 76.8

127 8.5 6.8 10.2



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: 53.234 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

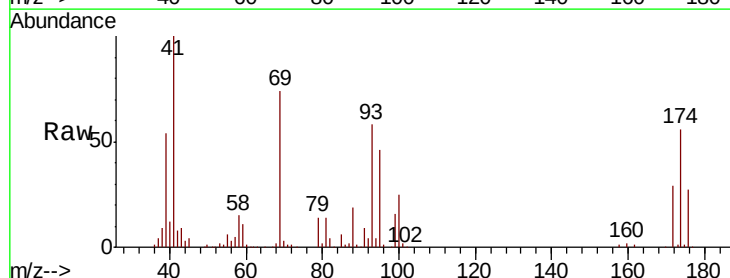
Tgt Ion: 41 Resp: 215915

Ion Ratio Lower Upper

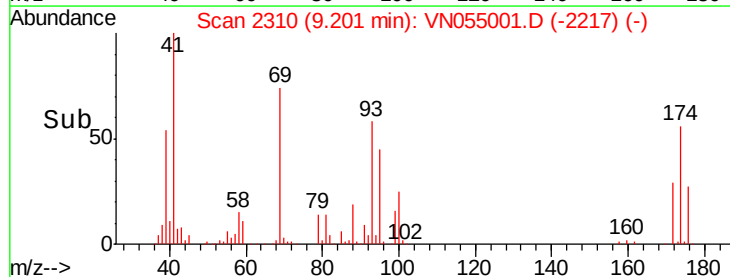
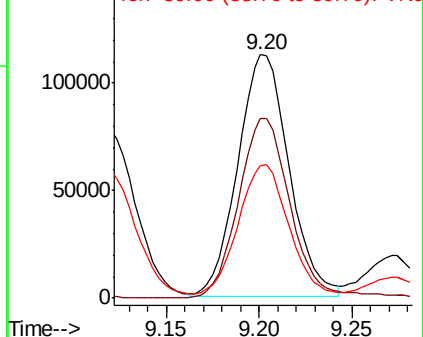
41 100

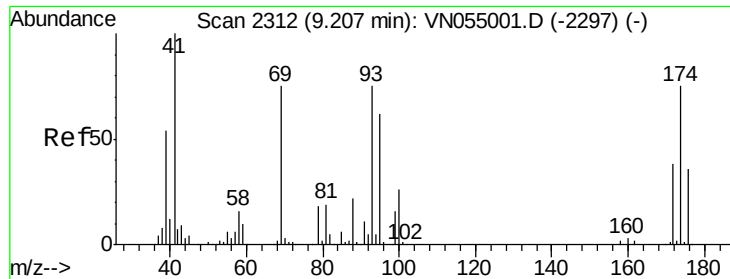
69 75.6 60.5 90.7

39 54.9 43.9 65.9



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: 1143.887 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

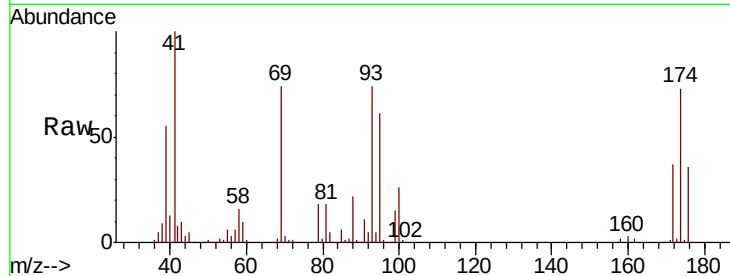
Tot Ion: 88 Resp: 47756

Ion Ratio Lower Upper

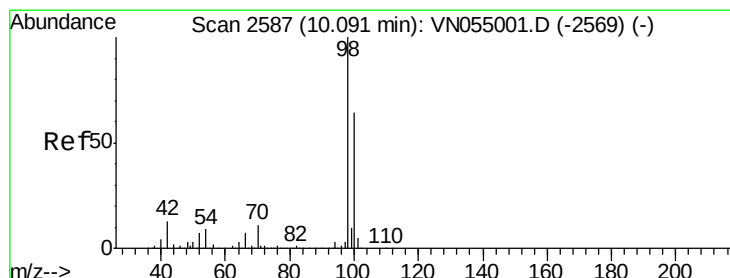
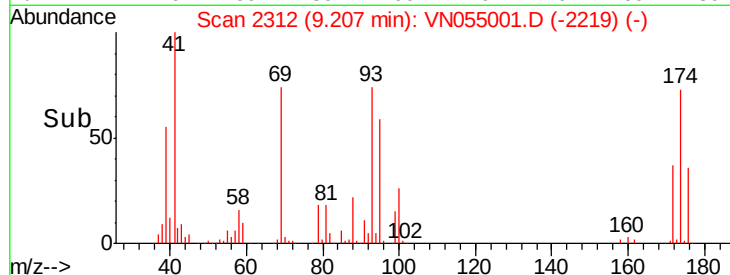
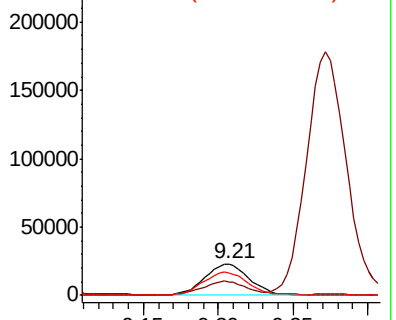
88 100

43 39.8 31.8 47.8

58 77.0 61.6 92.4



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



#50

Toluene-d8

Concen: 50.136 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055001.D

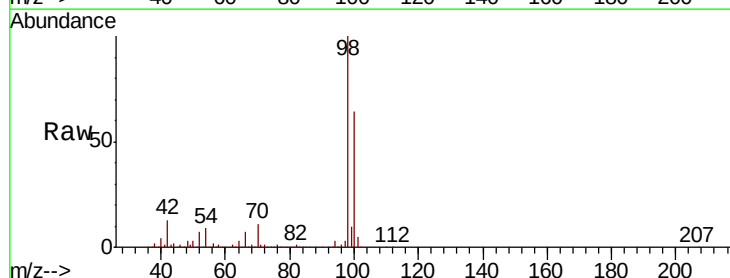
Acq: 12 Apr 2019 16:05

Tgt Ion: 98 Resp: 861176

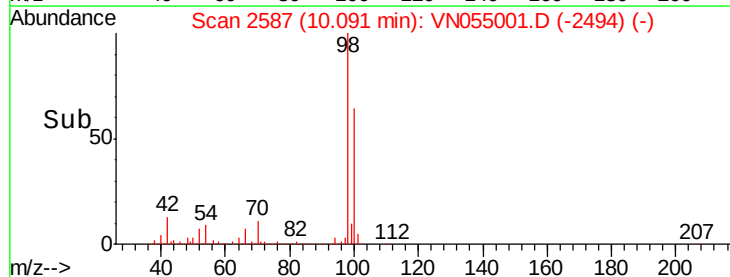
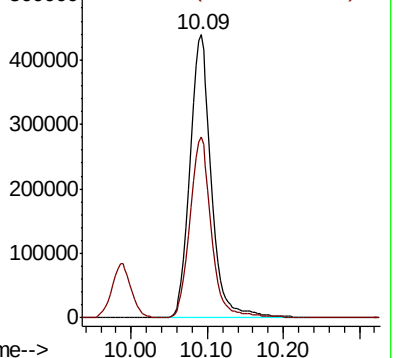
Ion Ratio Lower Upper

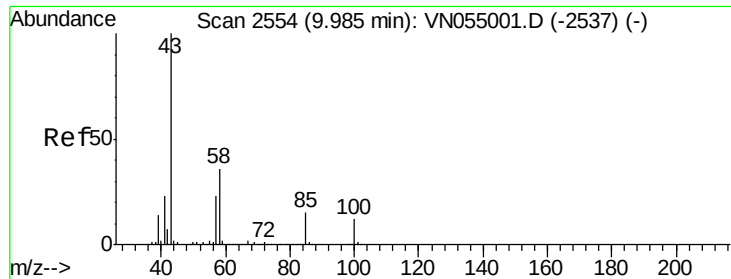
98 100

100 63.9 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 278.362 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

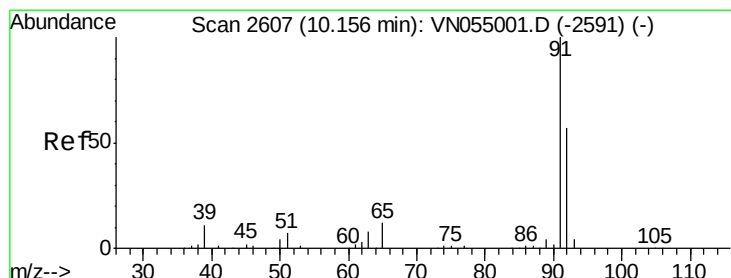
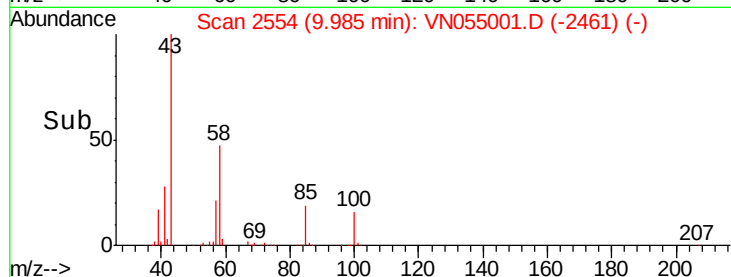
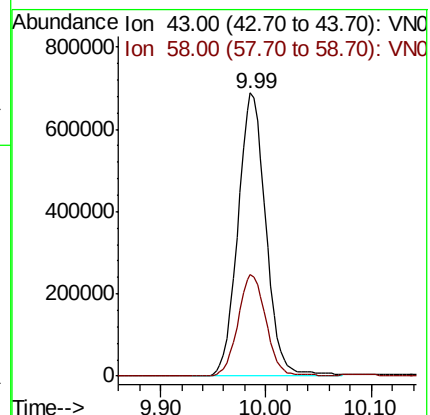
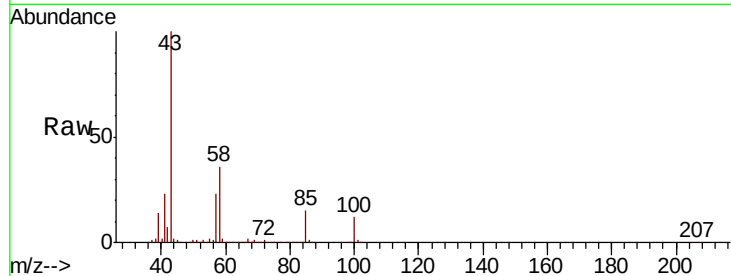
VSTDICCC050

Tot Ion: 43 Resp: 1259676

Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4



#52

Toluene

Concen: 50.162 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055001.D

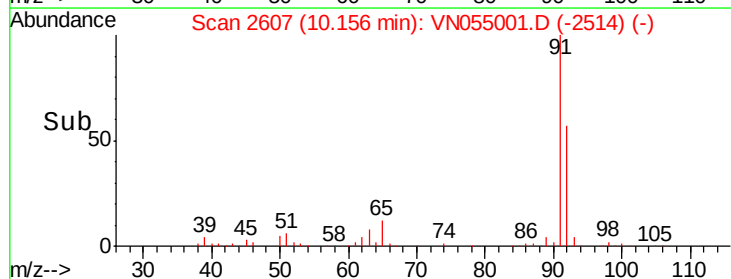
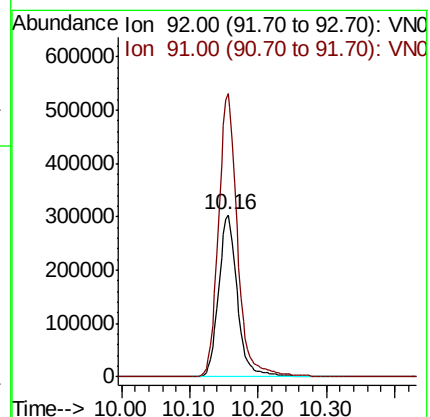
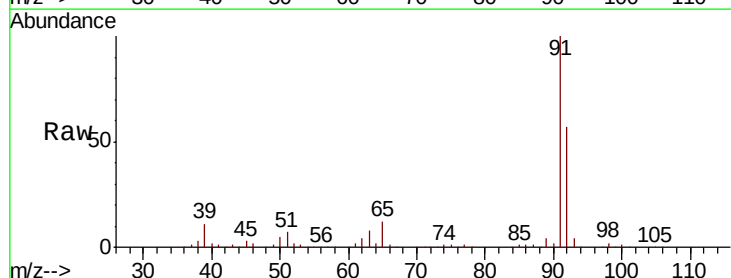
Acq: 12 Apr 2019 16:05

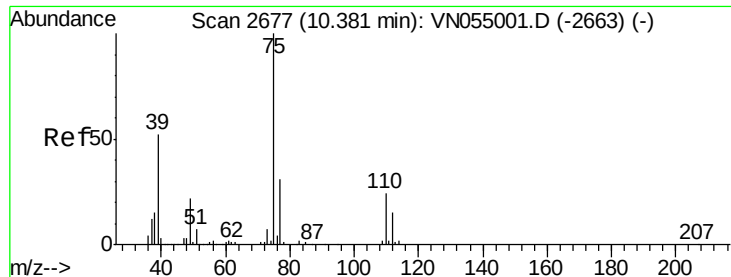
Tgt Ion: 92 Resp: 582758

Ion Ratio Lower Upper

92 100

91 176.0 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 50.821 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

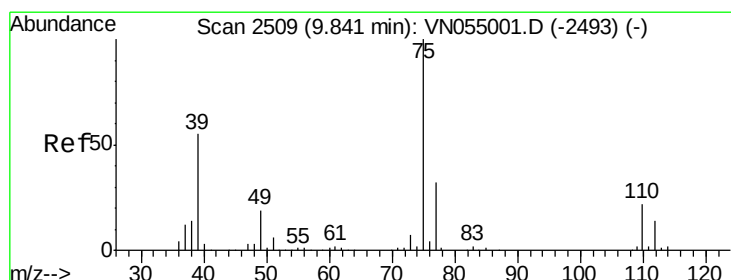
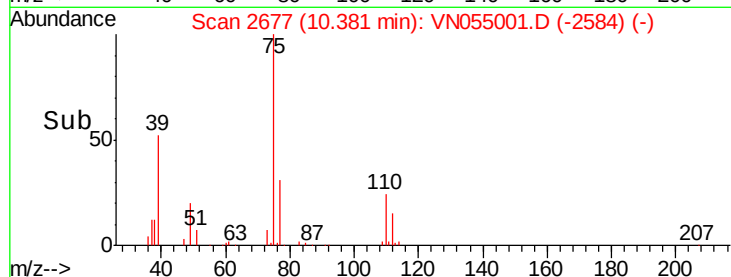
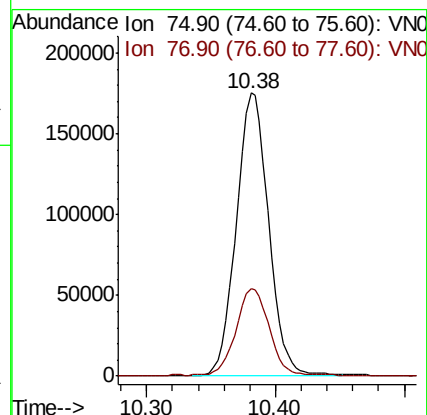
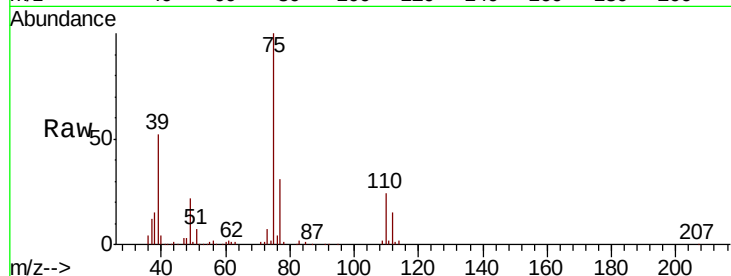
VSTDICCC050

Tot Ion: 75 Resp: 305809

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 51.089 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

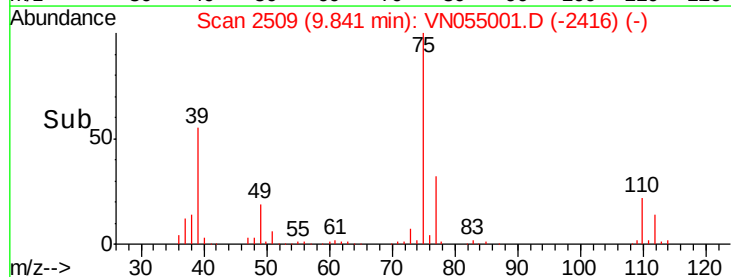
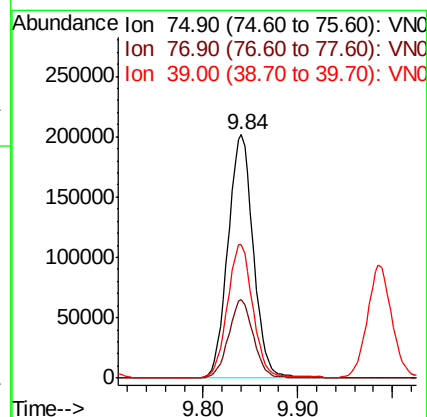
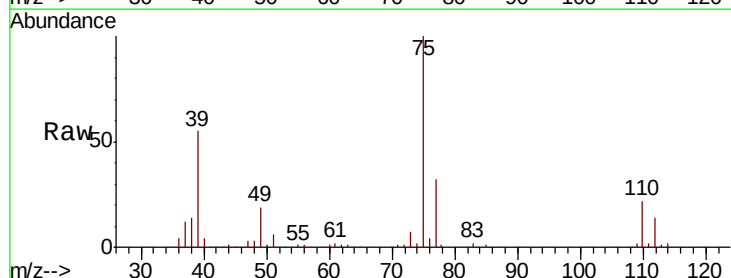
Tgt Ion: 75 Resp: 376183

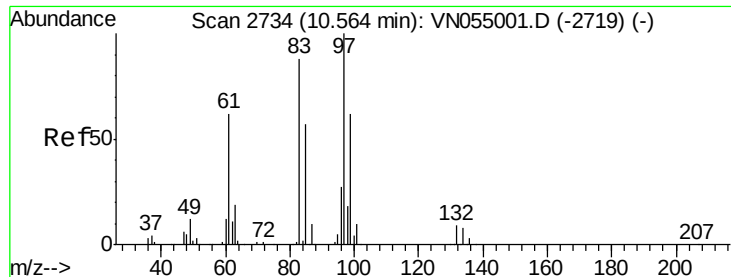
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 54.8 43.8 65.8



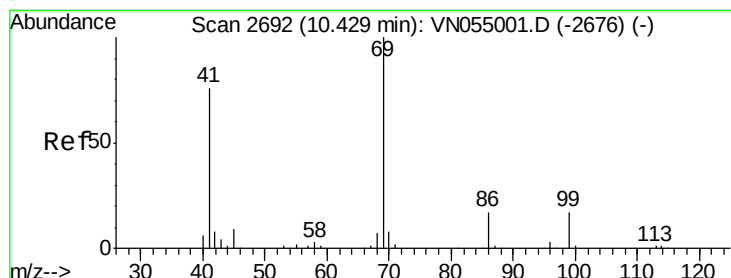
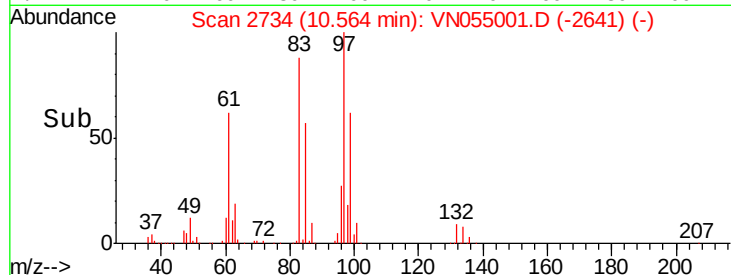
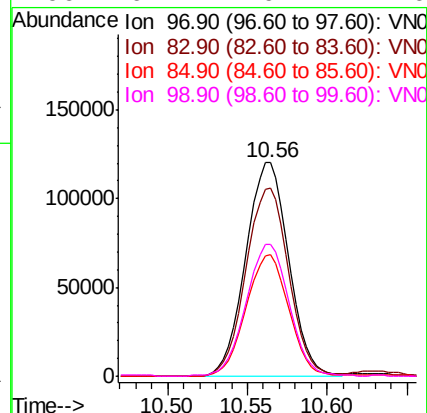
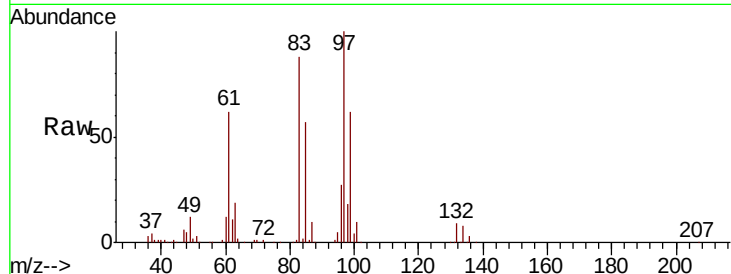


#55
 1,1,2-Trichloroethane
 Concen: 51.915 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 97 Resp: 220790

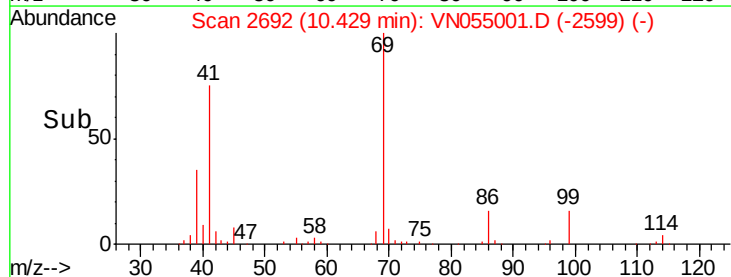
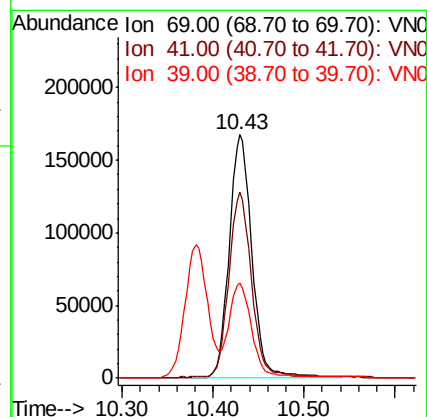
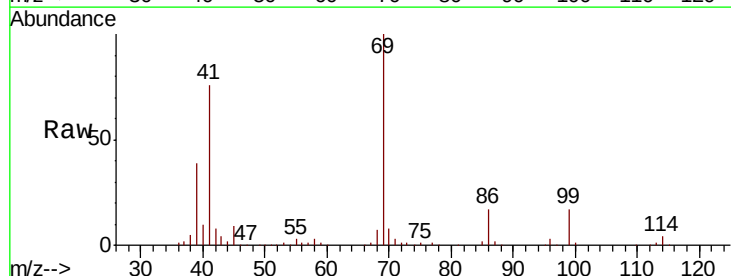
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.5	105.7
85	56.9	45.5	68.3
99	61.7	49.4	74.0

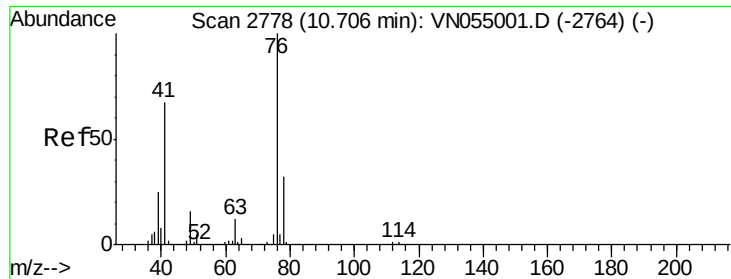


#56
 Ethyl methacrylate
 Concen: 52.709 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion: 69 Resp: 291945

Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.4	92.0
39	38.5	30.8	46.2

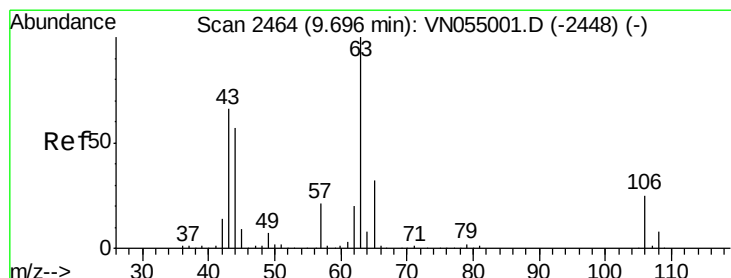
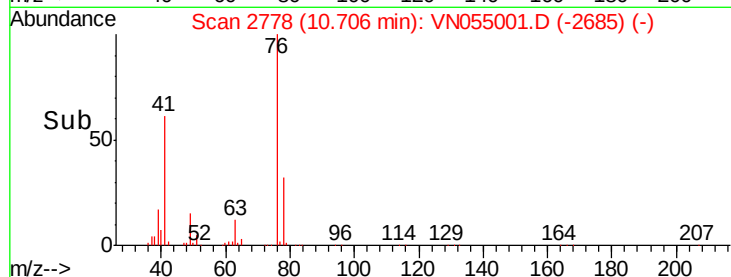
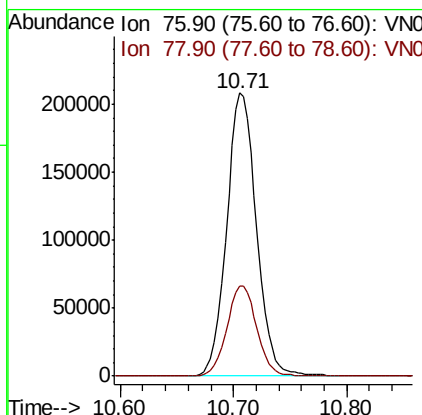
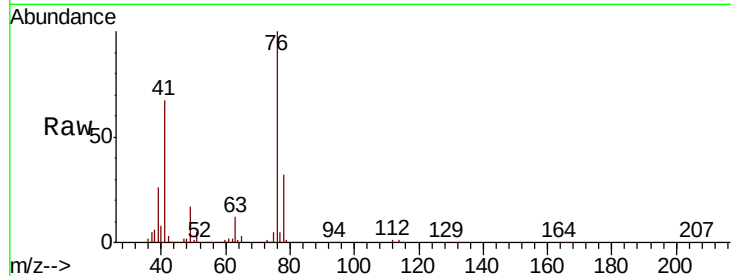




#57
 1,3-Dichloropropane
 Concen: 51.378 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

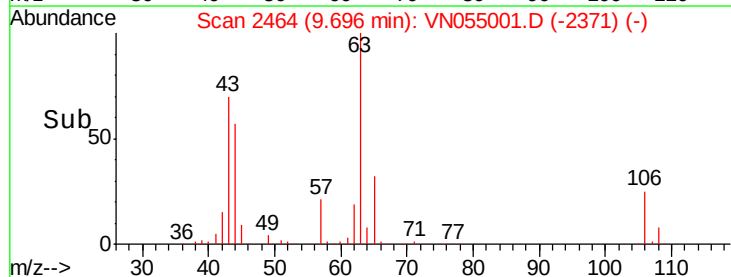
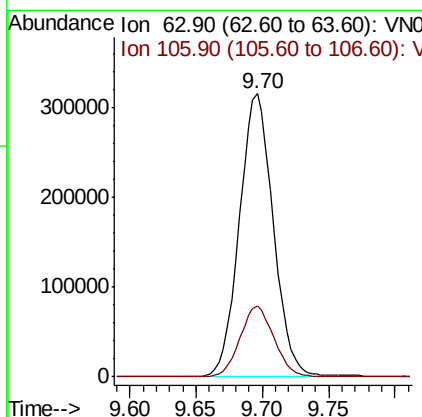
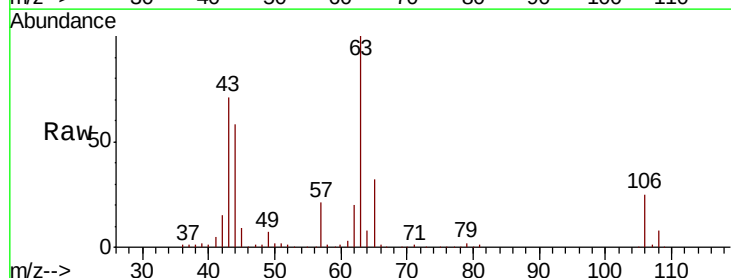
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

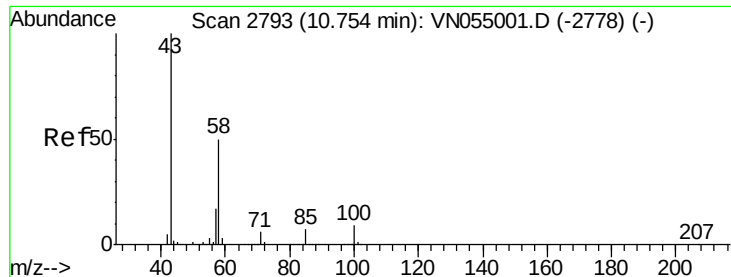
Tot Ion: 76 Resp: 381338
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.931 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion: 63 Resp: 559312
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.0 30.0

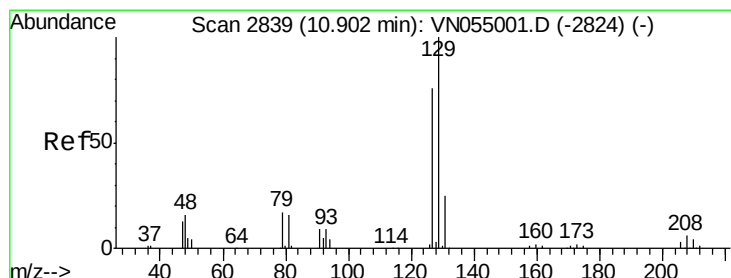
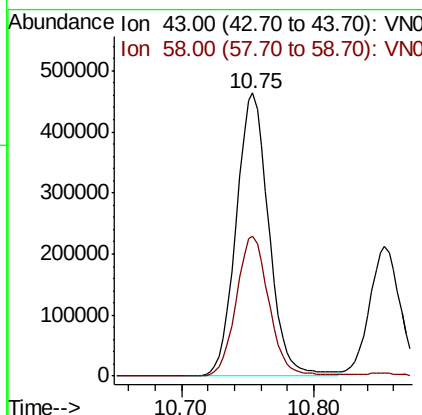
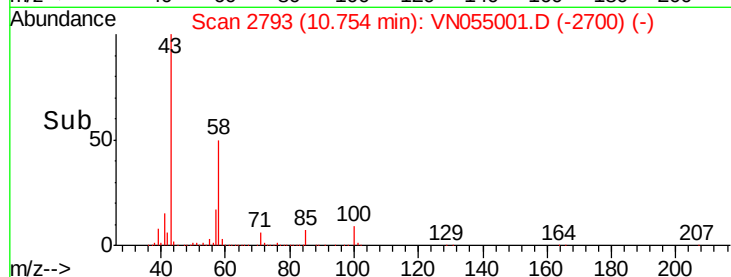
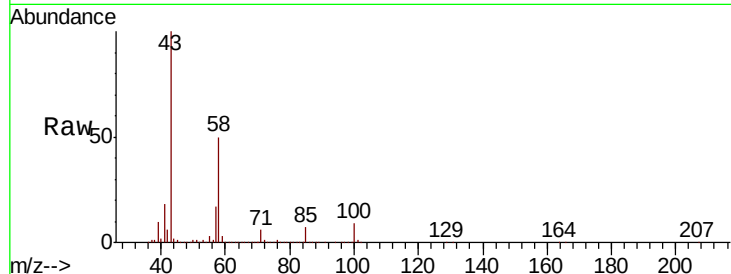




#59
2-Hexanone
Concen: 280.872 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

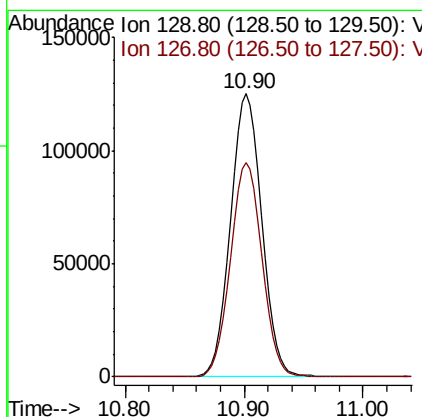
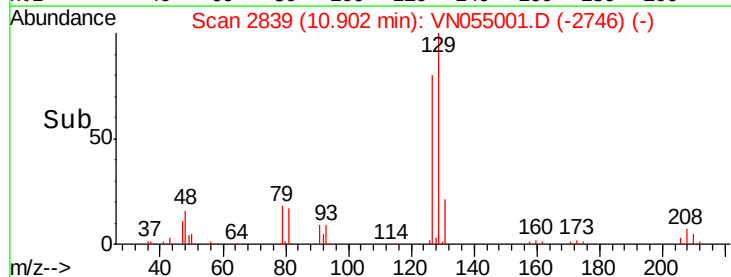
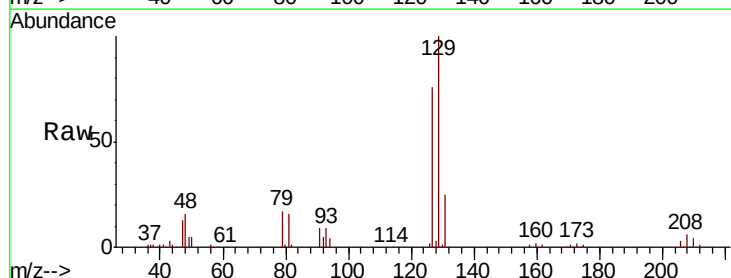
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

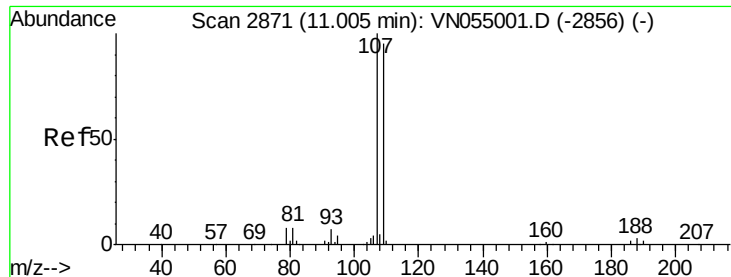
Tot Ion: 43 Resp: 790516
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.2



#60
Dibromochloromethane
Concen: 51.666 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 129 Resp: 228604
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 52.324 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampled :

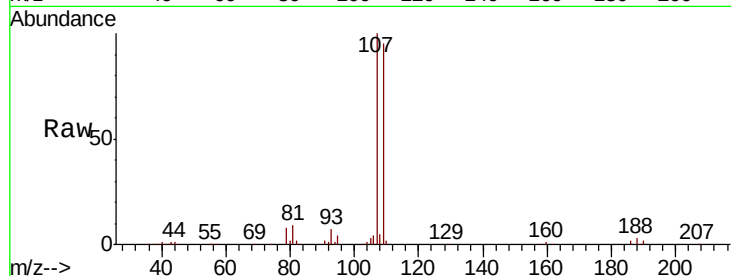
VSTDICCC050

Tot Ion:107 Resp: 208655

Ion Ratio Lower Upper

107 100

109 95.6 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

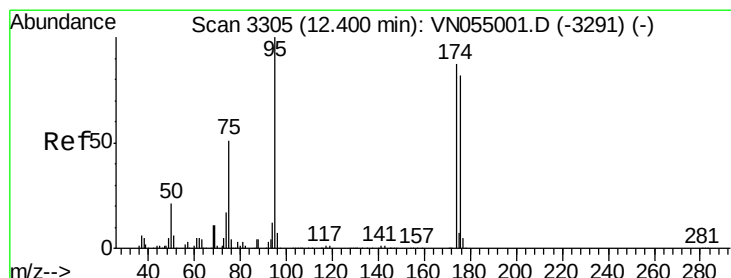
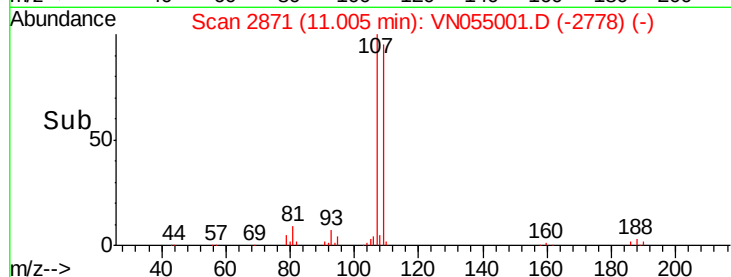
100000

50000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 49.998 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

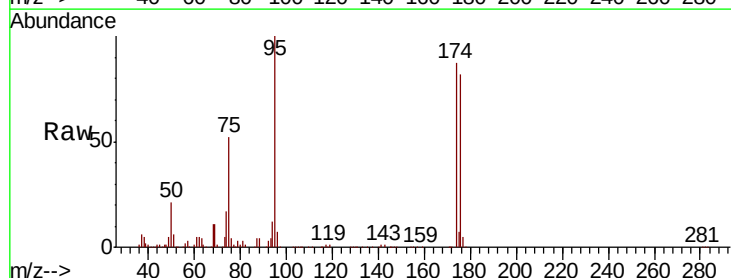
Tgt Ion: 95 Resp: 285812

Ion Ratio Lower Upper

95 100

174 87.2 0.0 174.4

176 83.4 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

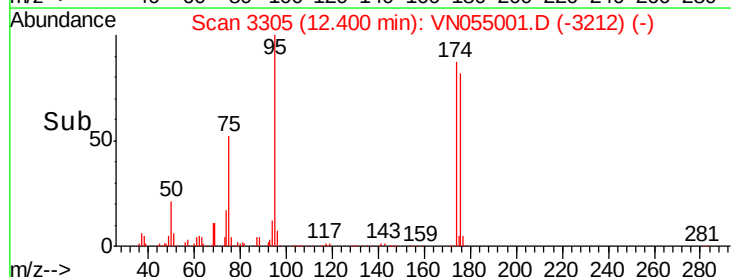
100000

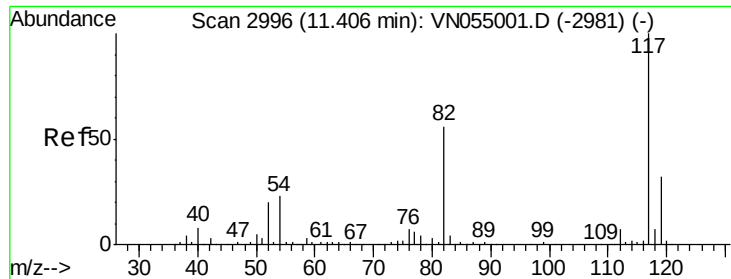
50000

0

Time-->

12.35 12.40 12.45 12.50

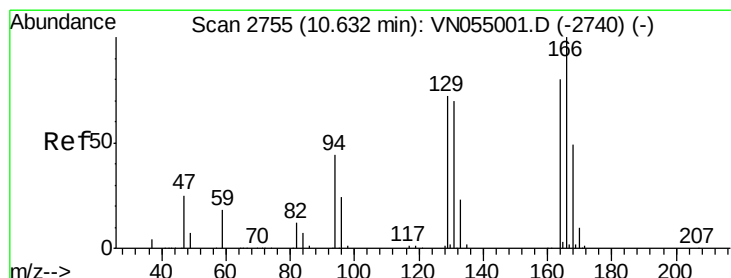
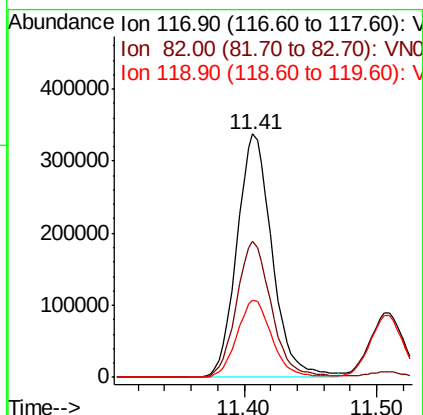
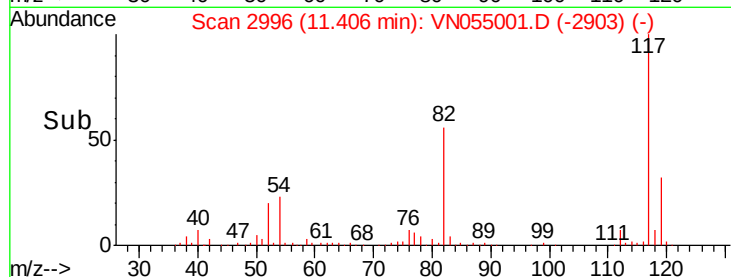
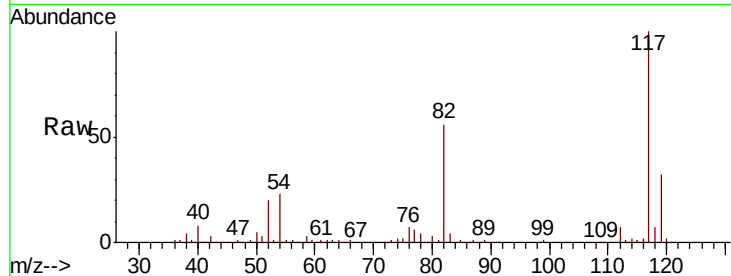




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

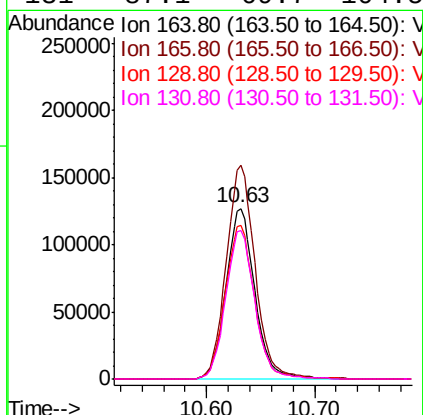
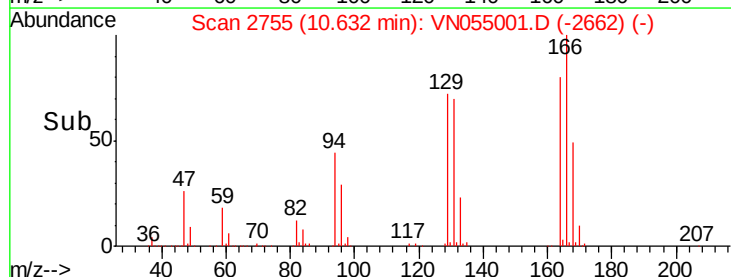
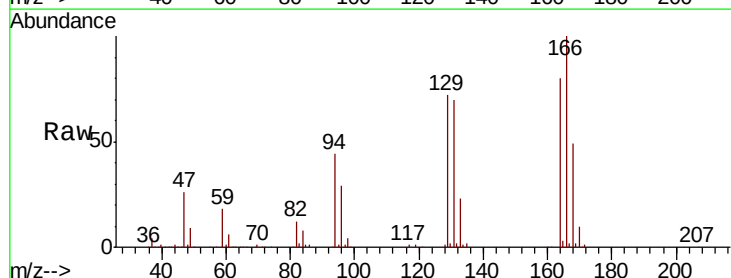
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

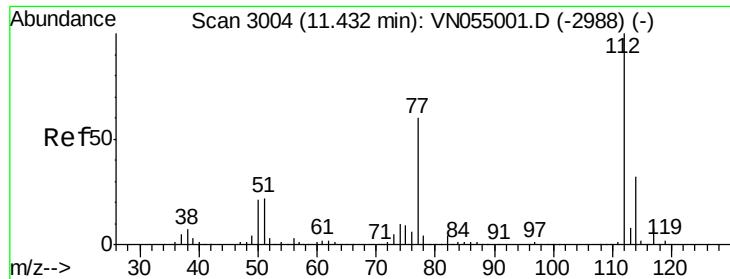
Tot Ion:117 Resp: 622025
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 47.578 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion:164 Resp: 236972
Ion Ratio Lower Upper
164 100
166 125.0 100.0 150.0
129 90.0 72.0 108.0
131 87.1 69.7 104.5

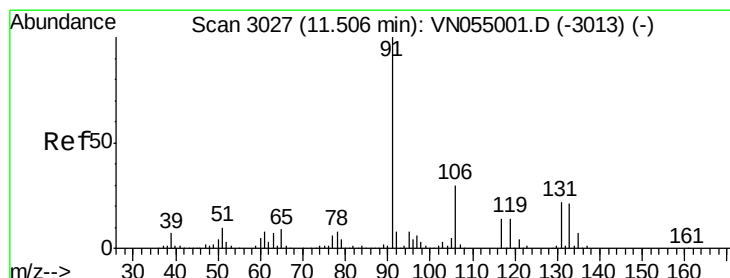
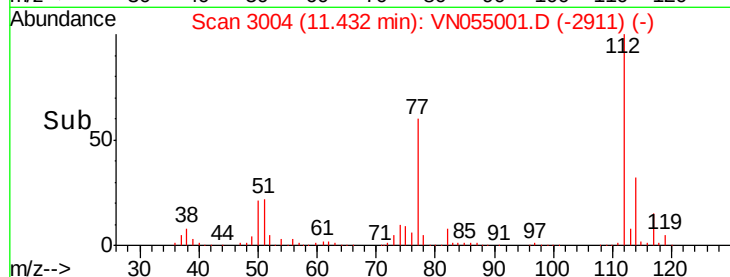
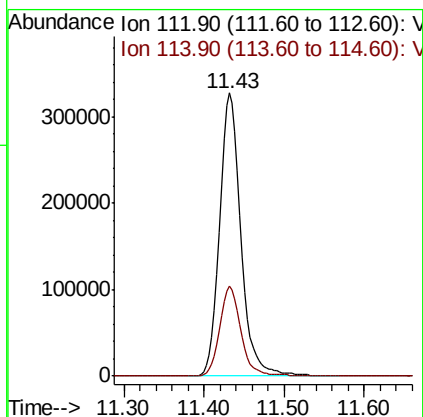
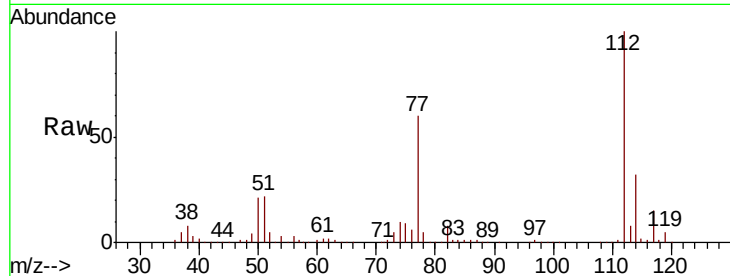




#65
Chlorobenzene
Concen: 48.224 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

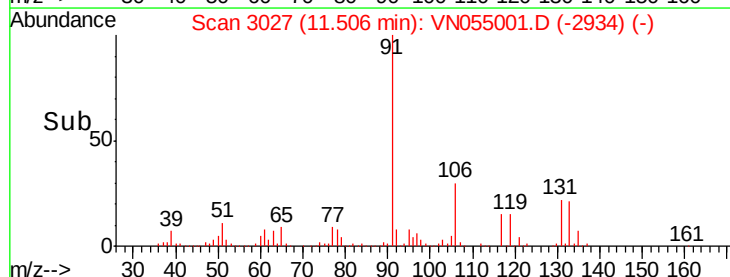
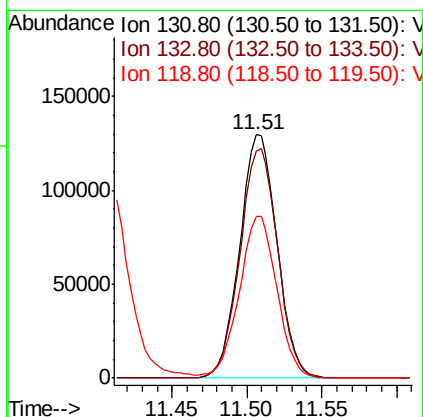
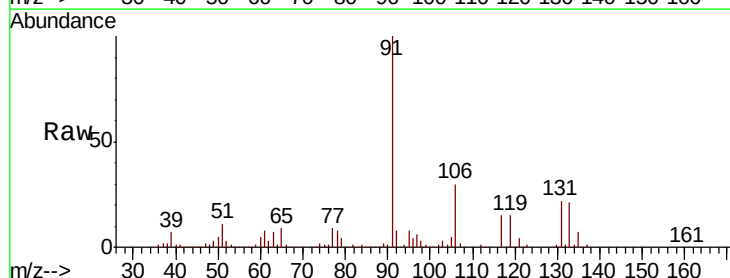
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

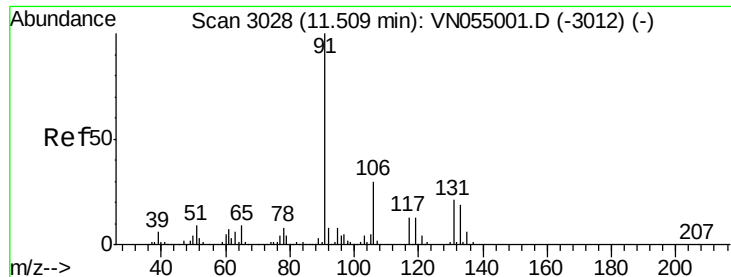
Tot Ion:112 Resp: 604056
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.983 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion:131 Resp: 224680
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 67.1 33.6 100.6

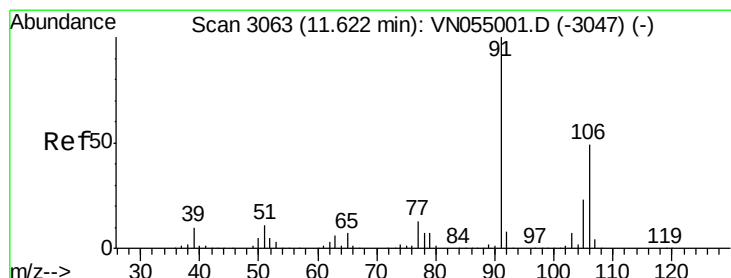
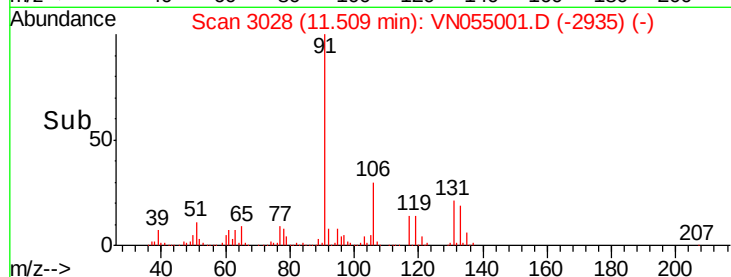
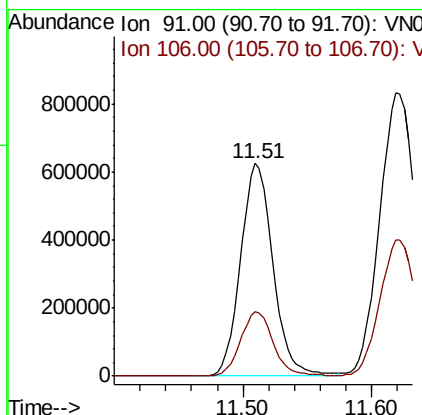
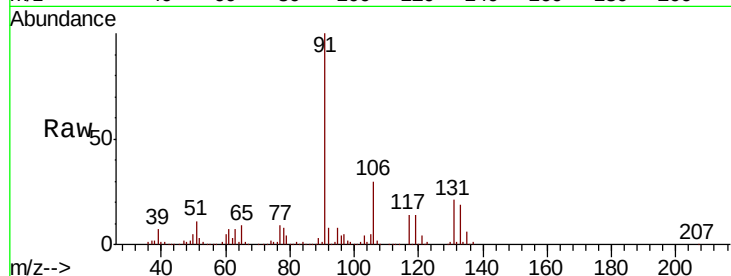




#67
Ethyl Benzene
Concen: 48.616 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

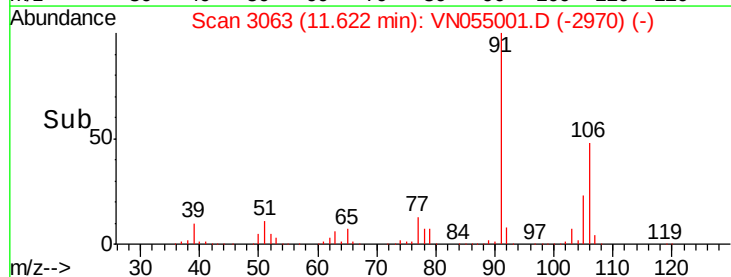
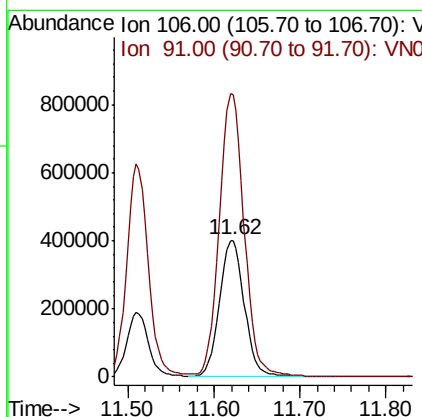
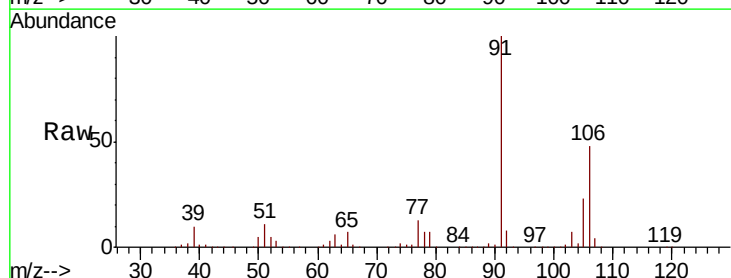
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

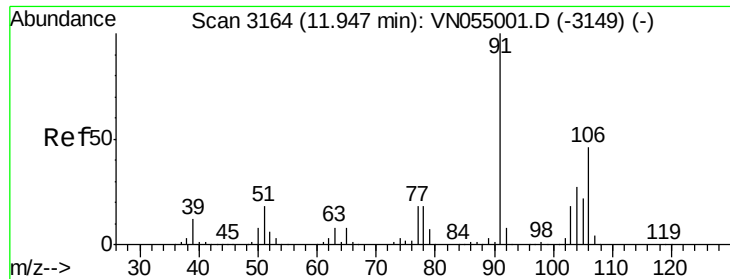
Tot Ion: 91 Resp: 1097354
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 98.194 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 106 Resp: 811026
Ion Ratio Lower Upper
106 100
91 207.4 165.9 248.9

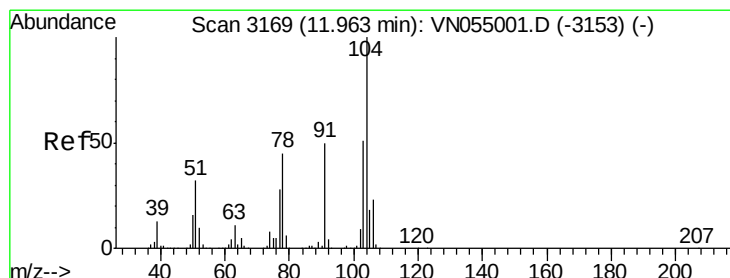
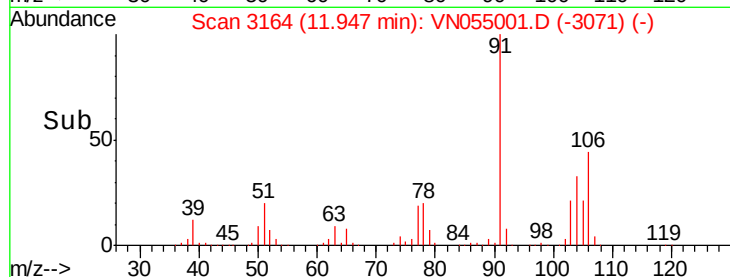
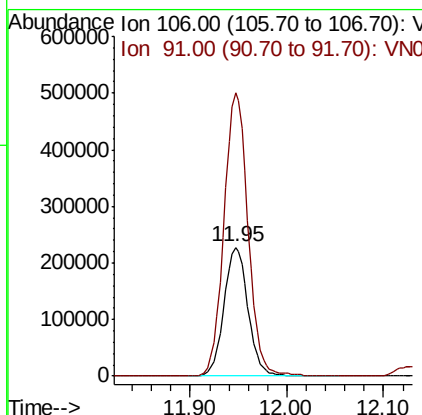
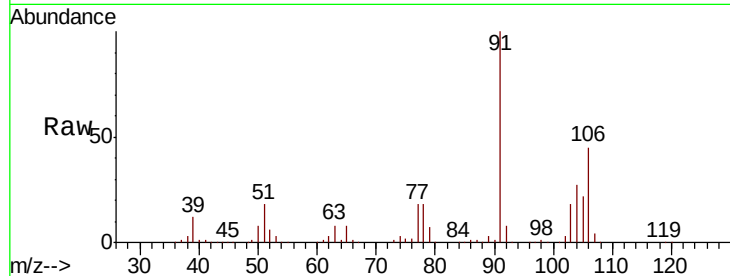




#69
o-Xylene
Concen: 48.815 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

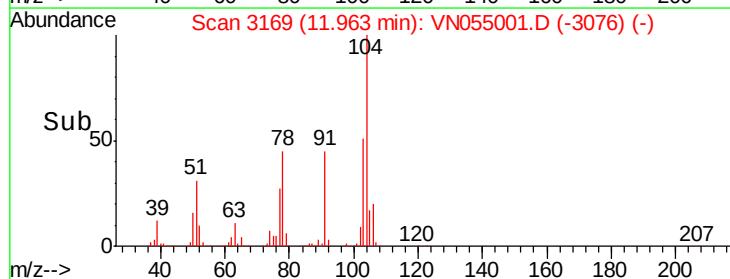
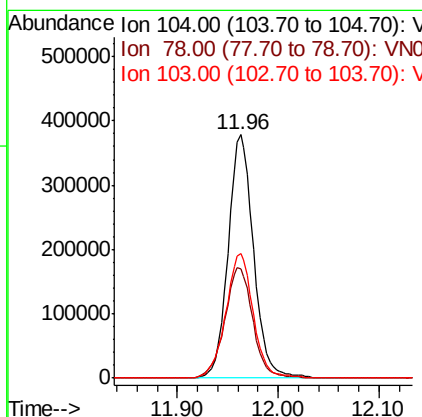
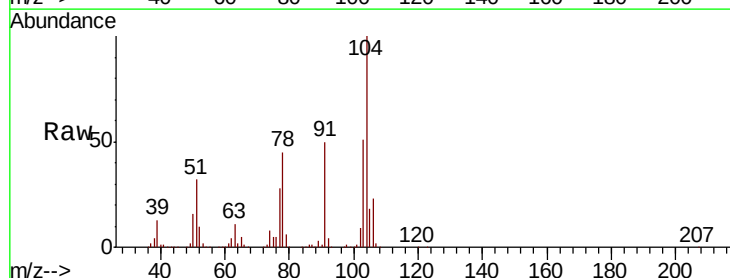
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

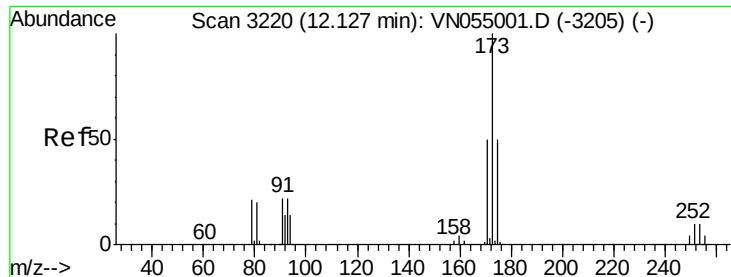
Tot Ion:106 Resp: 392614
Ion Ratio Lower Upper
106 100
91 219.9 109.9 329.8



#70
Styrene
Concen: 51.489 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion:104 Resp: 665177
Ion Ratio Lower Upper
104 100
78 50.4 40.3 60.5
103 55.4 44.3 66.5





#71

Bromoform

Concen: 51.670 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

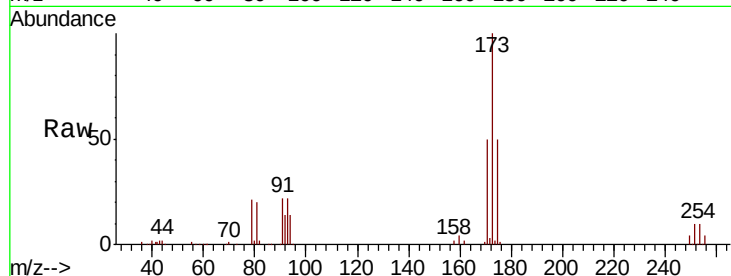
Tot Ion:173 Resp: 143454

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

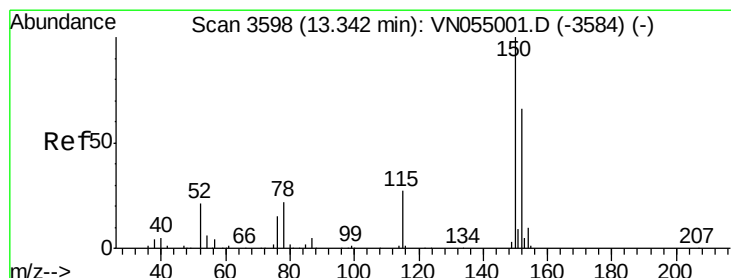
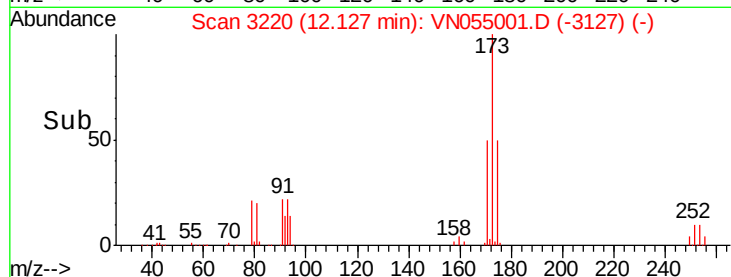
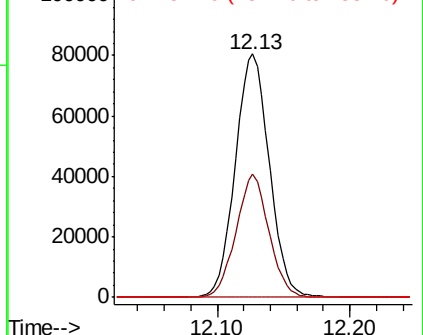
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

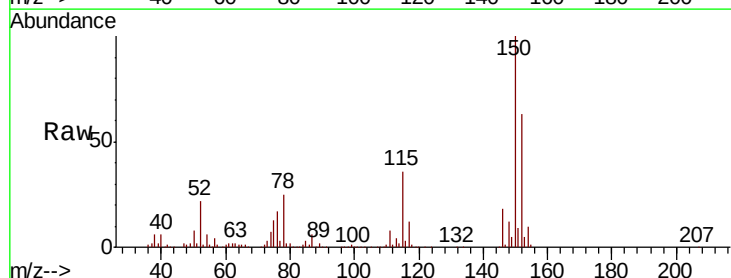
Tgt Ion:152 Resp: 266798

Ion Ratio Lower Upper

152 100

115 57.1 28.5 85.6

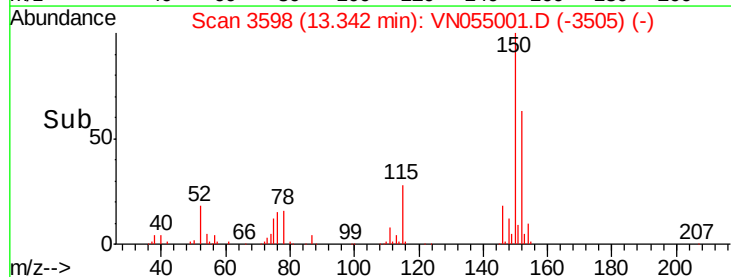
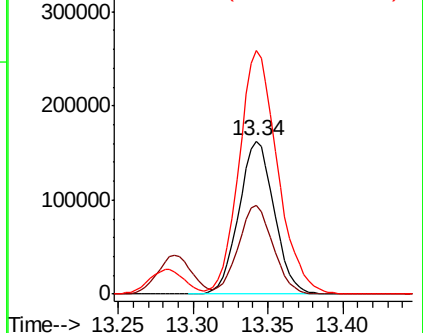
150 173.6 0.0 347.2

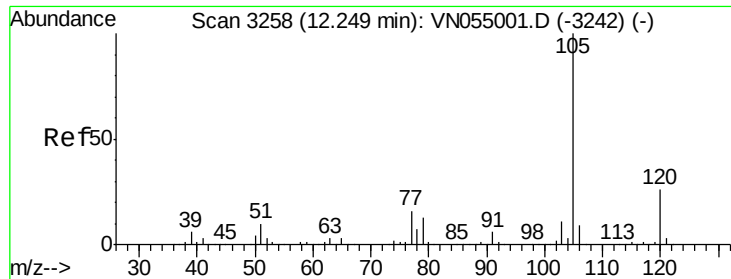


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.092 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

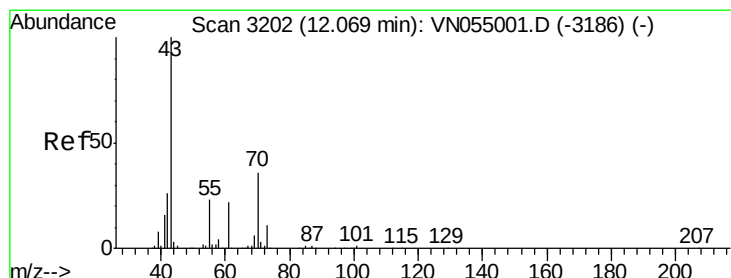
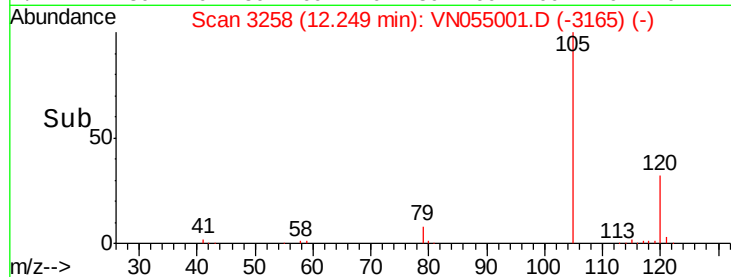
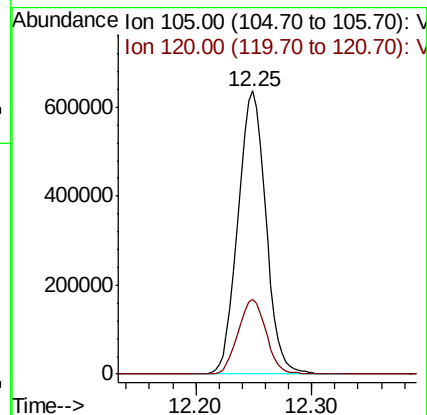
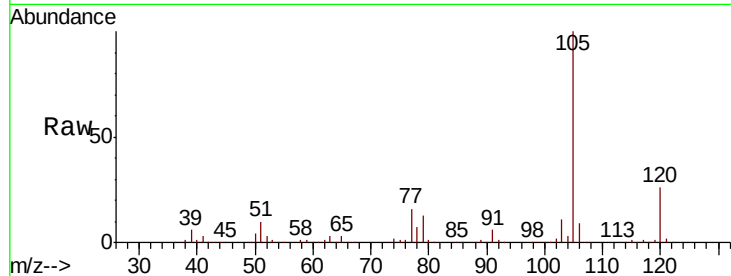
VSTDICCC050

Tot Ion:105 Resp: 1054171

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 53.928 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Tgt Ion: 43 Resp: 338053

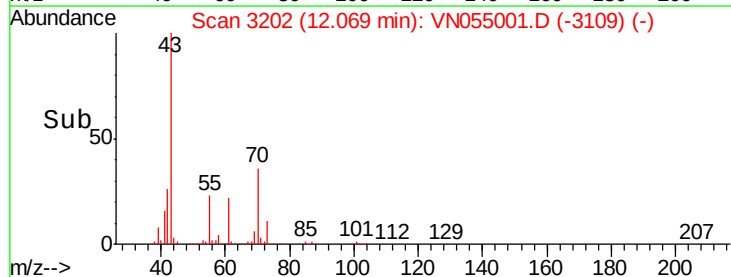
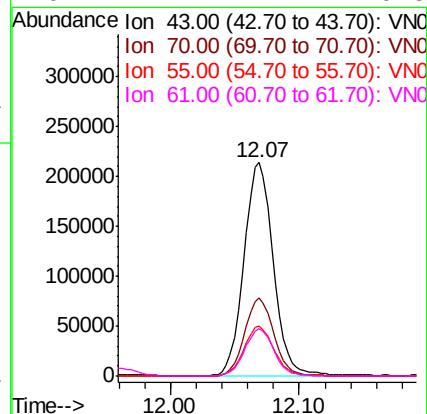
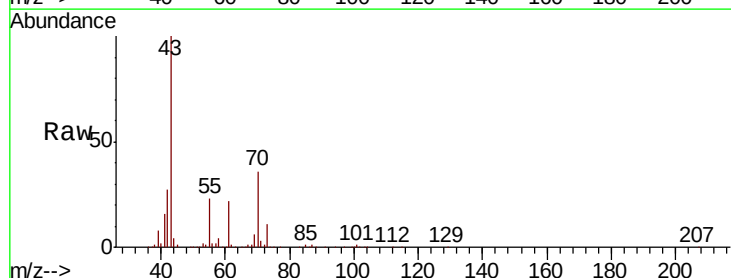
Ion Ratio Lower Upper

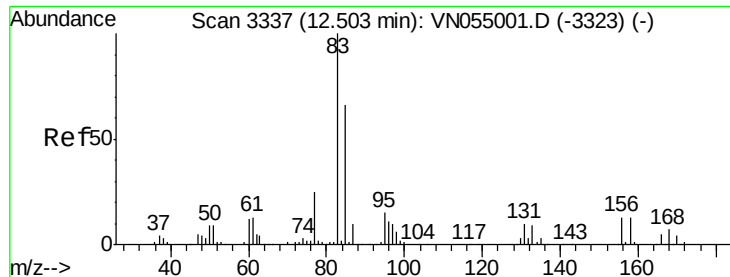
43 100

70 36.7 29.4 44.0

55 23.7 19.0 28.4

61 22.1 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.403 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

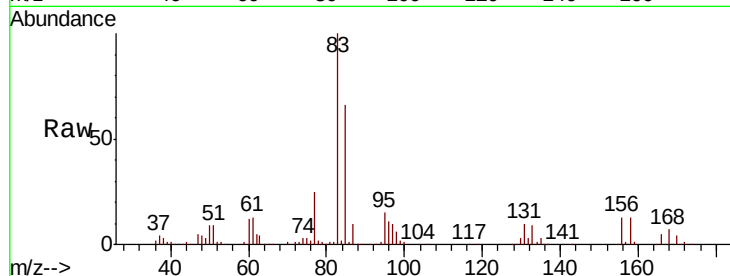
Tot Ion: 83 Resp: 275680

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

85 64.6 32.3 96.9

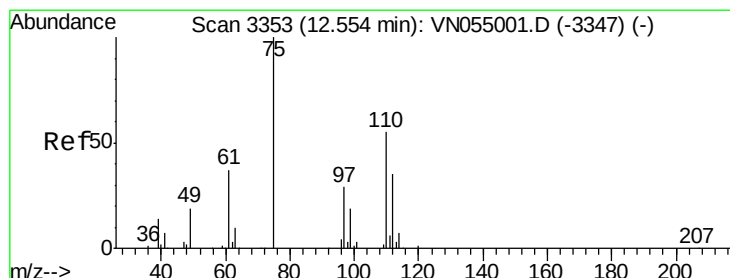
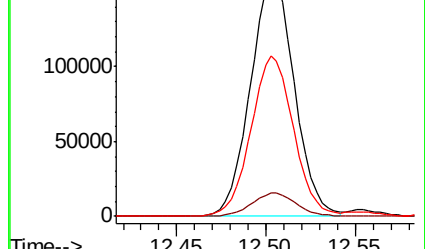
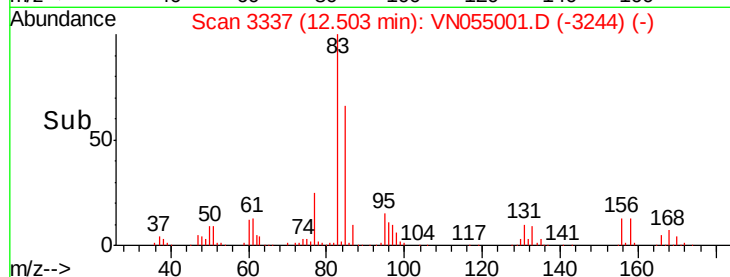


Abundance Ion 82.90 (82.60 to 83.60): VN055001.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055001.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055001.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 66.572 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055001.D

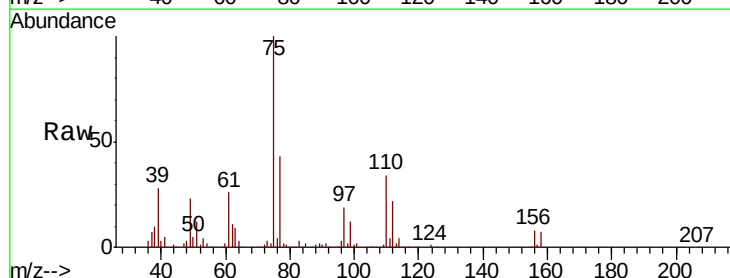
Acq: 12 Apr 2019 16:05

Tgt Ion: 75 Resp: 320782

Ion Ratio Lower Upper

75 100

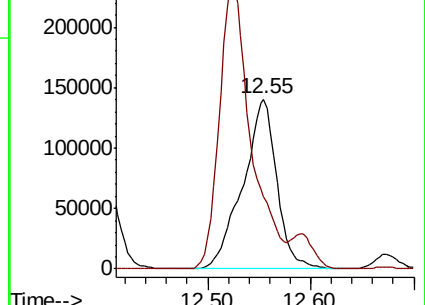
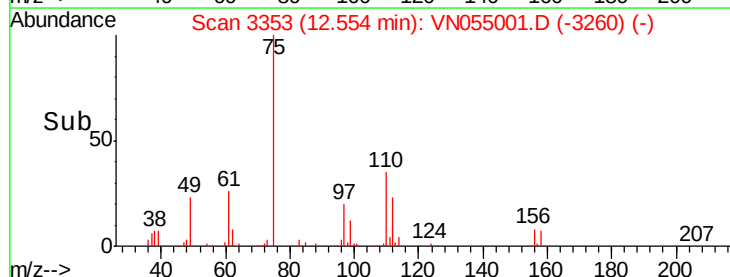
77 0.0 0.0 0.0

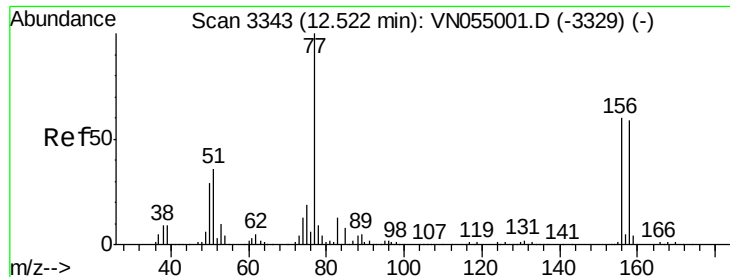


Abundance Ion 74.90 (74.60 to 75.60): VN055001.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055001.D (-3353) (-)

Time-->





#77

Bromobenzene

Concen: 47.865 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

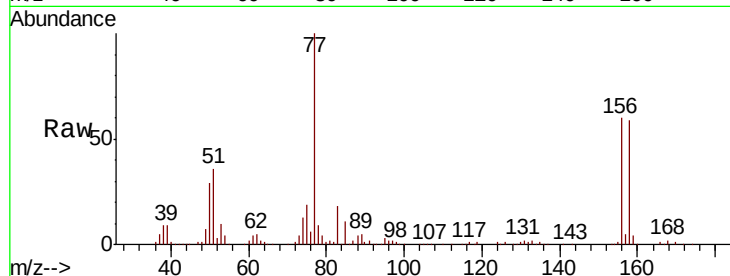
Tot Ion:156 Resp: 259820

Ion Ratio Lower Upper

156 100

77 194.3 97.2 291.5

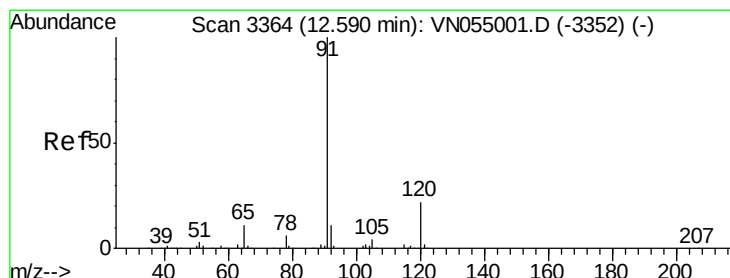
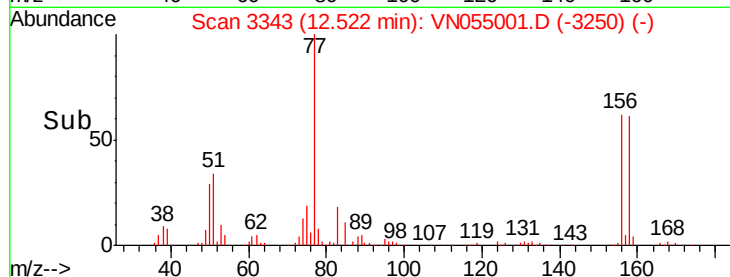
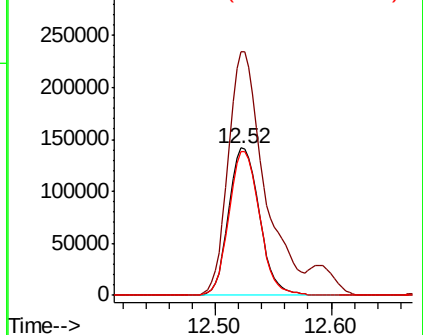
158 97.3 48.6 145.9



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: 48.049 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055001.D

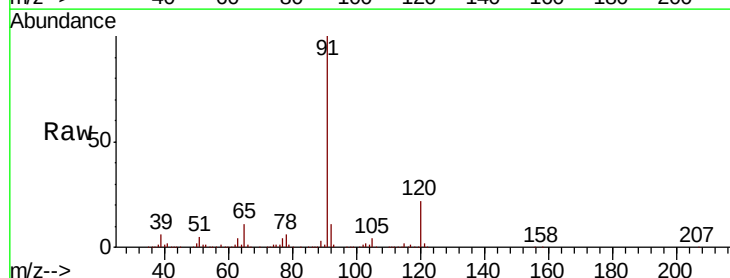
Acq: 12 Apr 2019 16:05

Tgt Ion: 91 Resp: 1185410

Ion Ratio Lower Upper

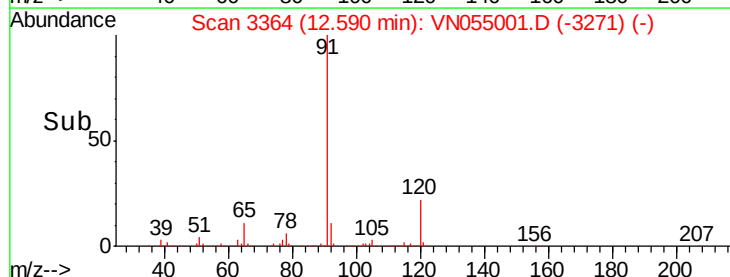
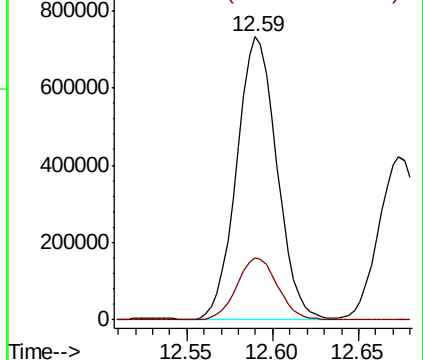
91 100

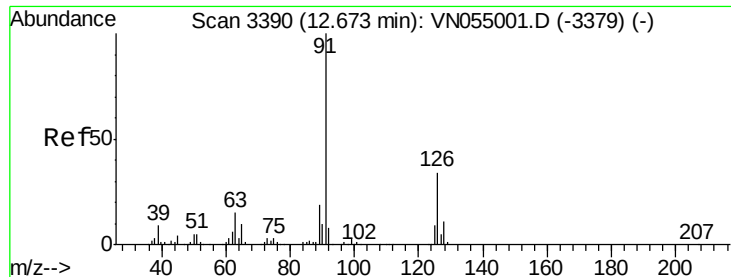
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.695 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

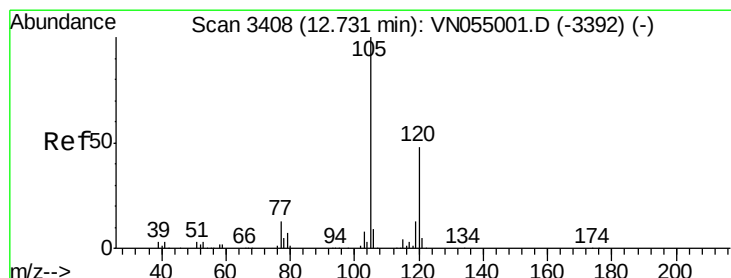
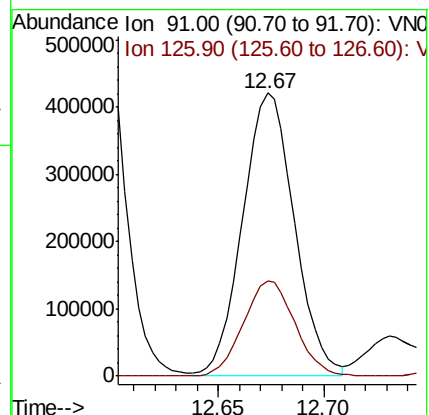
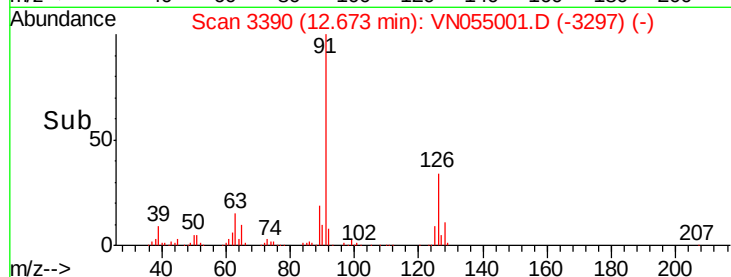
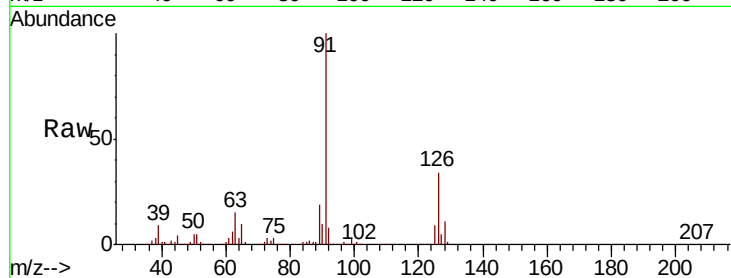
VSTDICCC050

Tot Ion: 91 Resp: 713962

Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 47.416 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055001.D

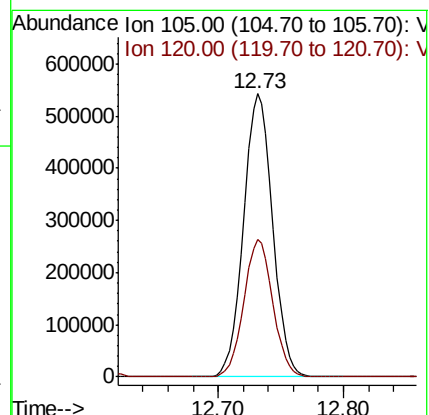
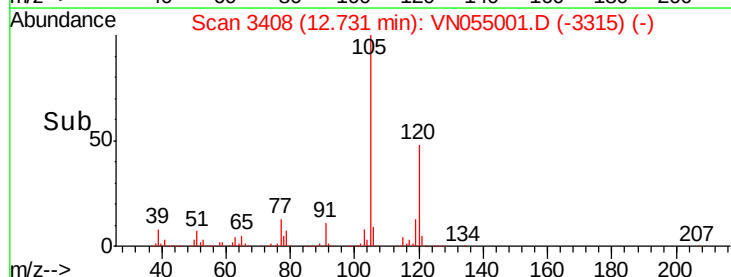
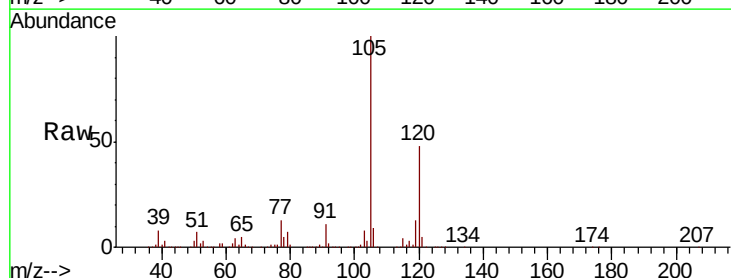
Acq: 12 Apr 2019 16:05

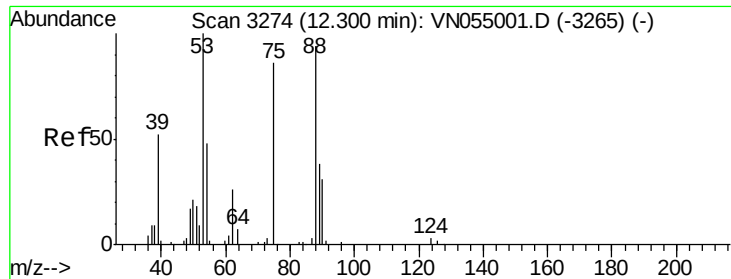
Tgt Ion:105 Resp: 871110

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8

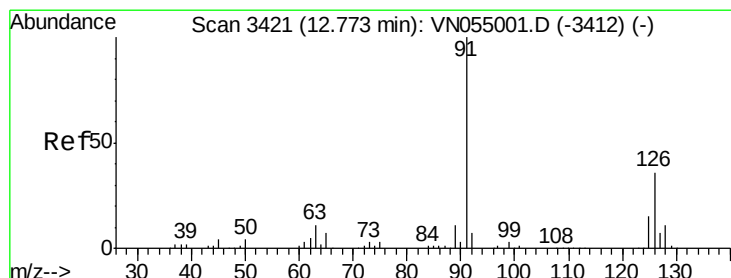
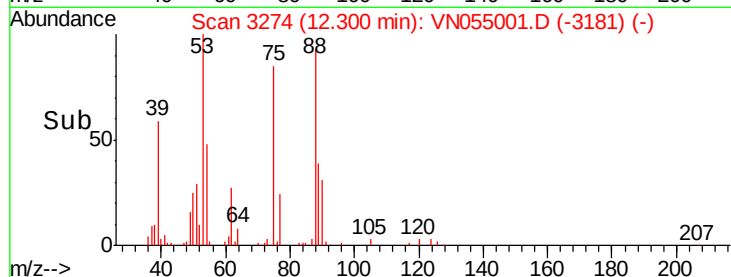
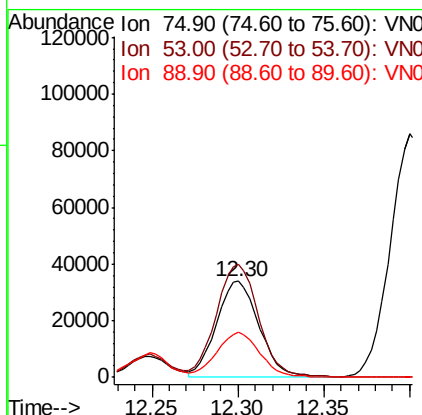
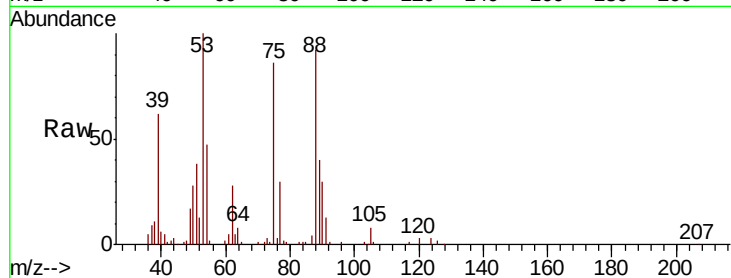




#81
trans-1,4-Dichloro-2-butene
Concen: 50.171 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

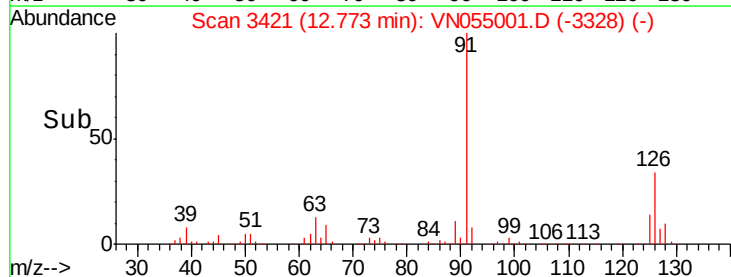
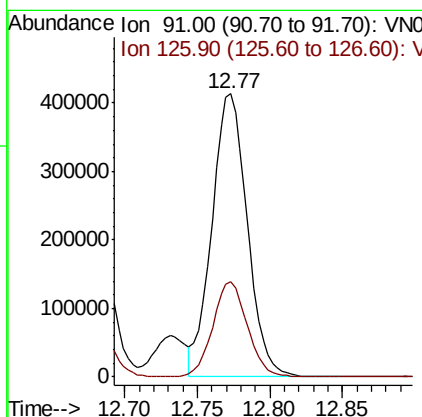
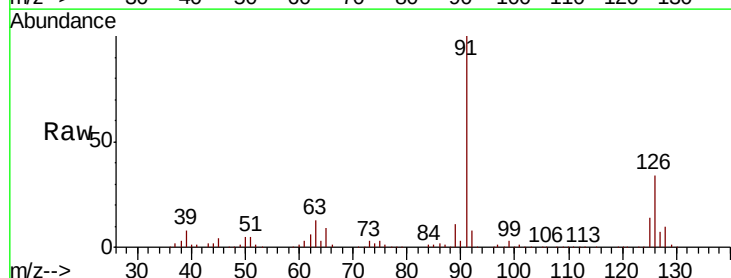
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

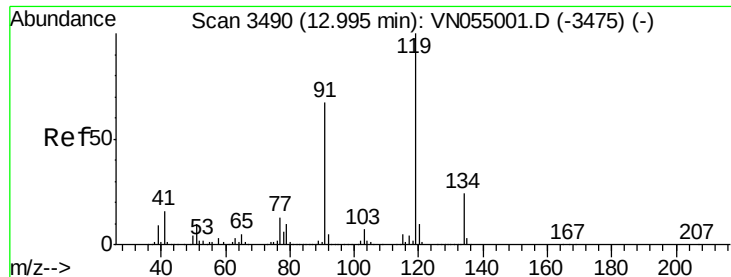
Tot Ion: 75 Resp: 57681
Ion Ratio Lower Upper
75 100
53 120.4 96.3 144.5
89 48.2 38.6 57.8



#82
4-Chlorotoluene
Concen: 48.514 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 91 Resp: 701512
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.2

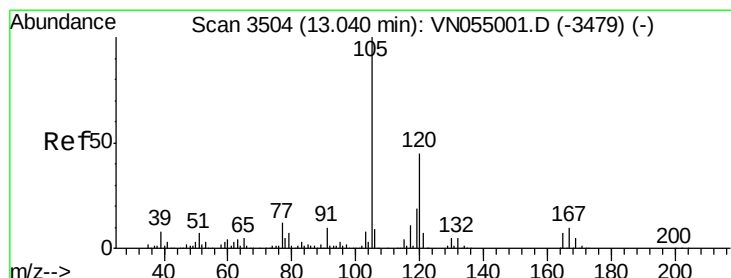
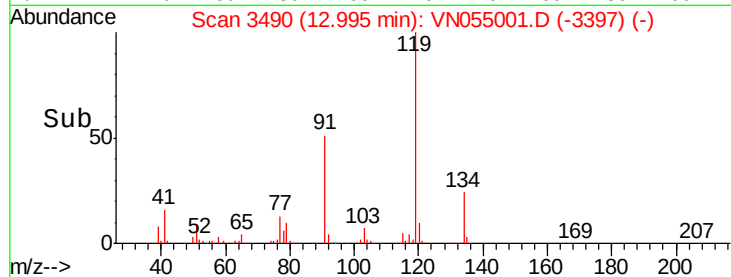
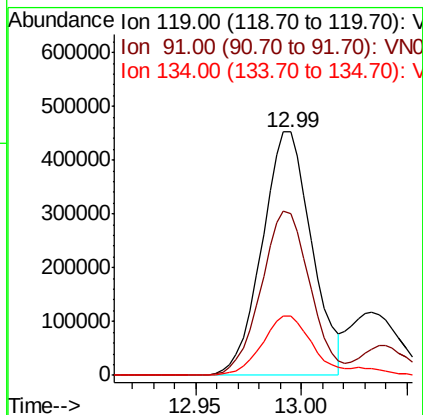
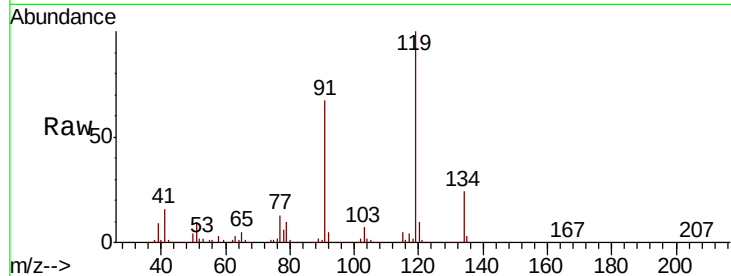




#83
 tert-Butylbenzene
 Concen: 47.293 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

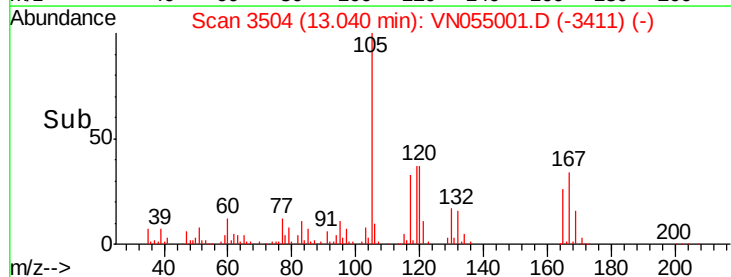
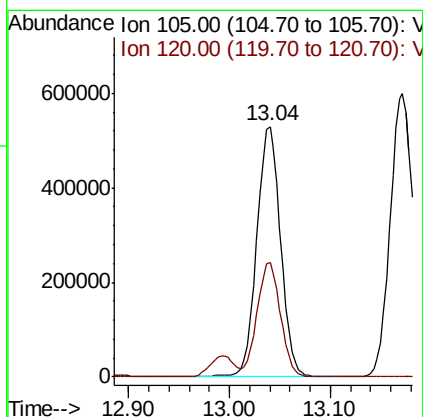
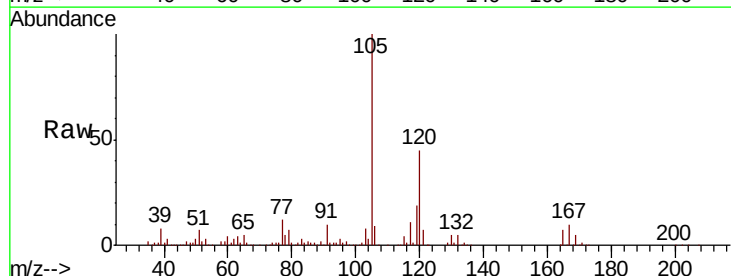
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

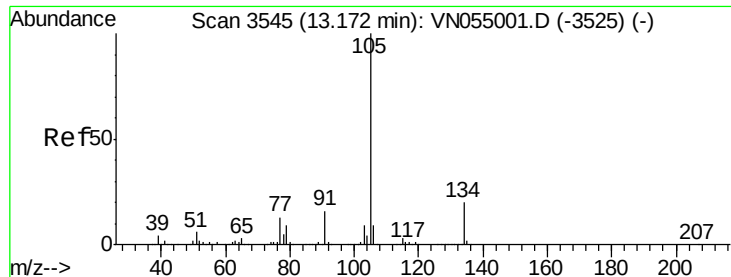
Tot Ion:119 Resp: 741064
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.3 99.8
 134 24.6 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 48.540 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion:105 Resp: 862097
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.3





#85

sec-Butylbenzene

Concen: 47.870 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

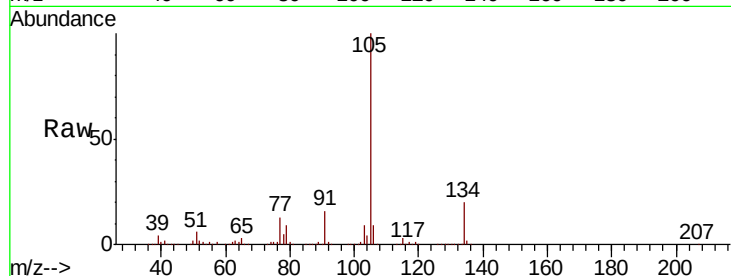
VSTDICCC050

Tot Ion:105 Resp: 970257

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

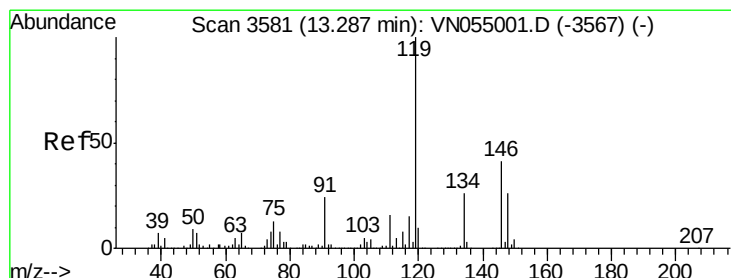
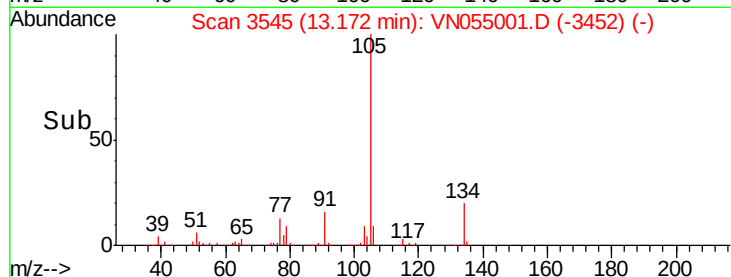
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.854 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

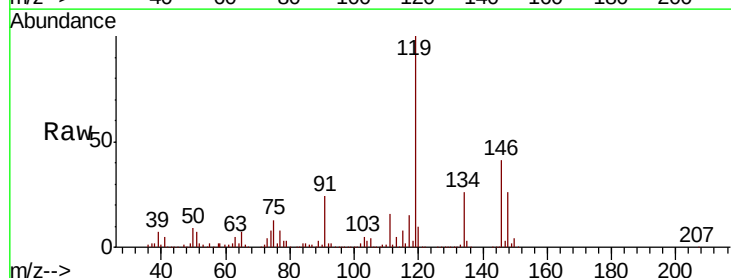
Tgt Ion:119 Resp: 852350

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.4 11.7 35.1



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

13.29

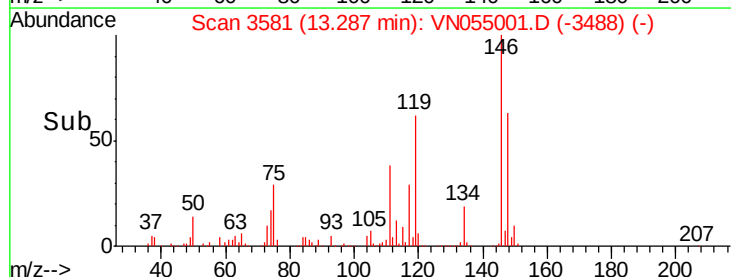
600000

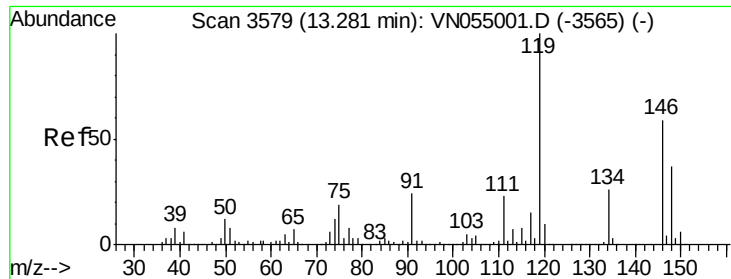
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.002 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

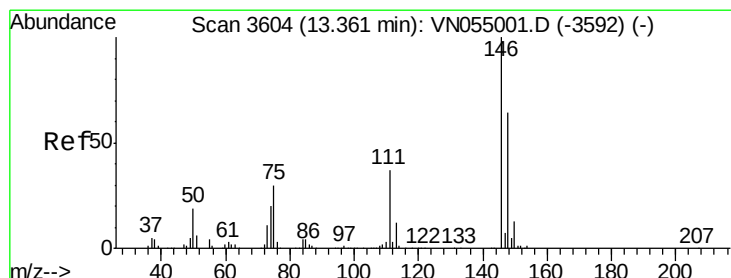
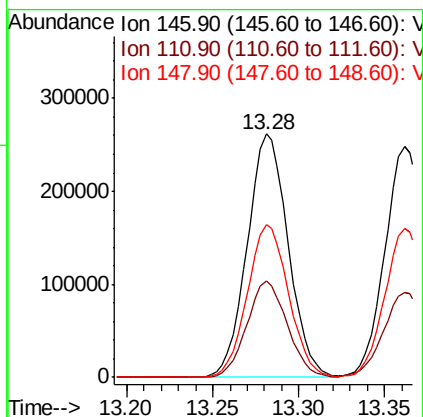
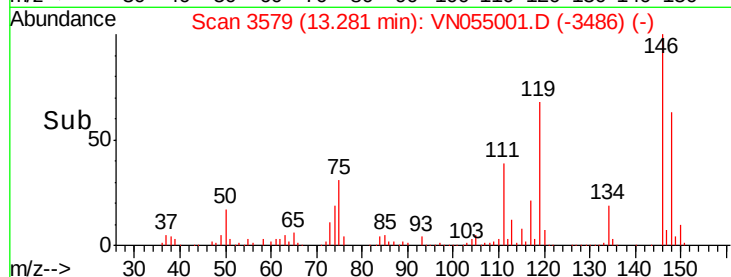
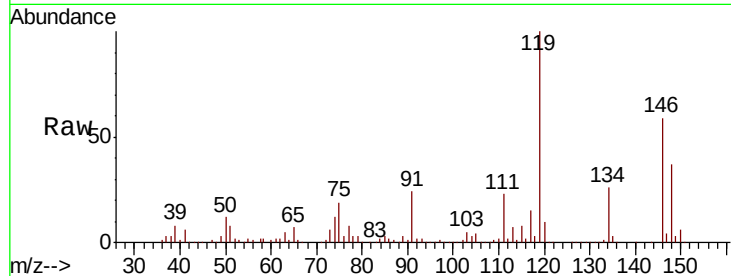
Tot Ion:146 Resp: 431955

Ion Ratio Lower Upper

146 100

111 39.0 19.5 58.5

148 63.1 31.6 94.7



#88

1,4-Dichlorobenzene

Concen: 48.983 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

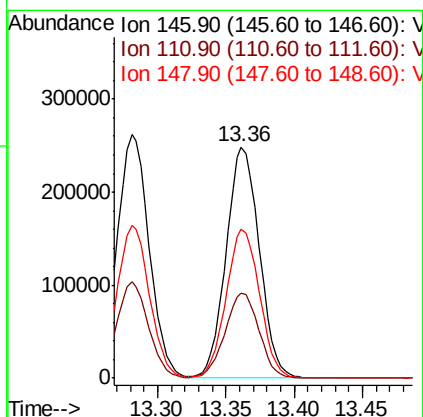
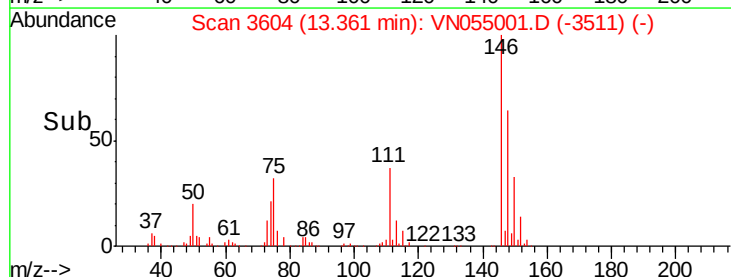
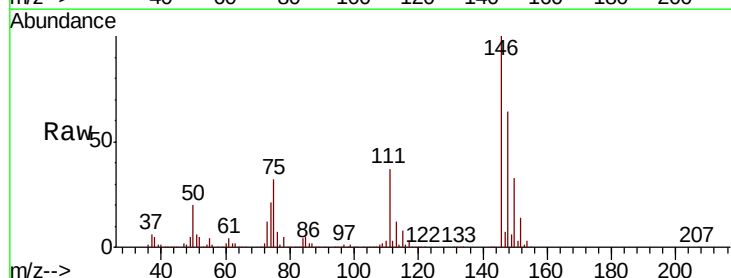
Tgt Ion:146 Resp: 420169

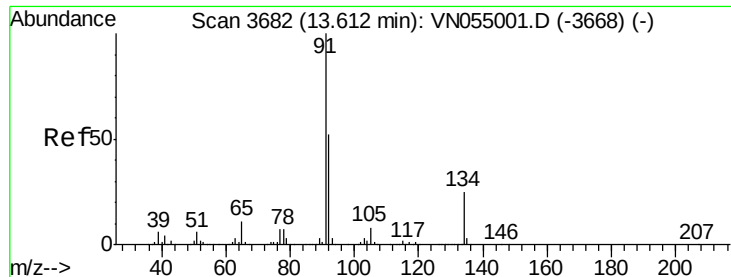
Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

148 64.8 32.4 97.2

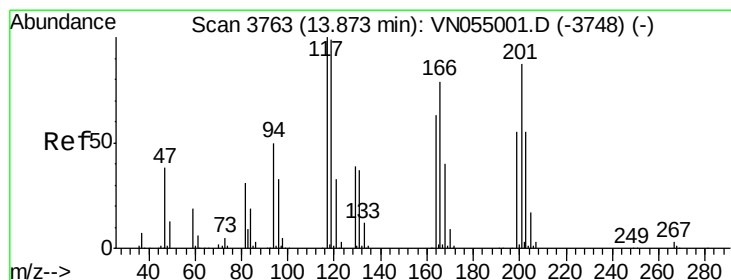
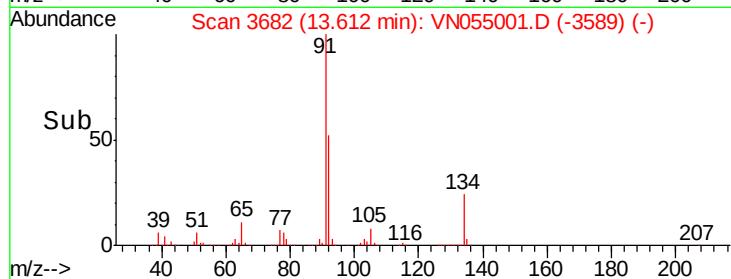
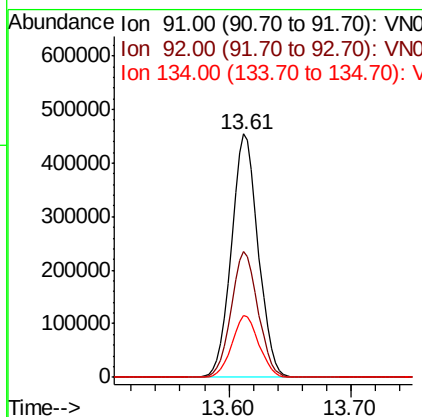
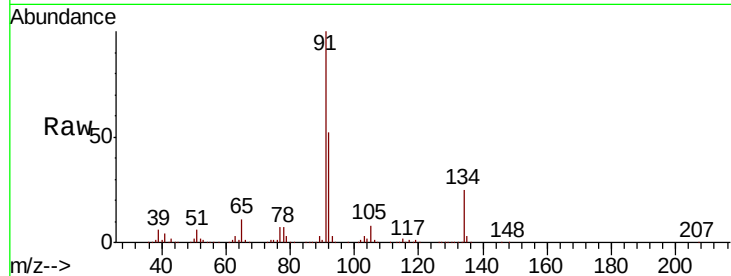




#89
n-Butylbenzene
Concen: 50.047 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

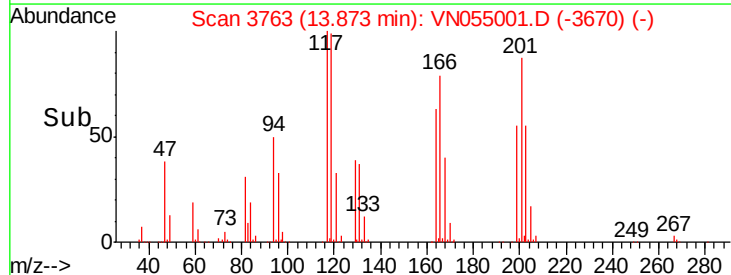
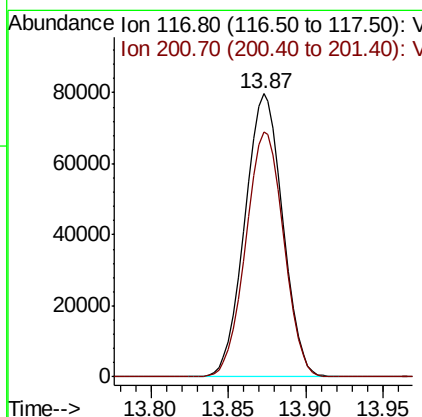
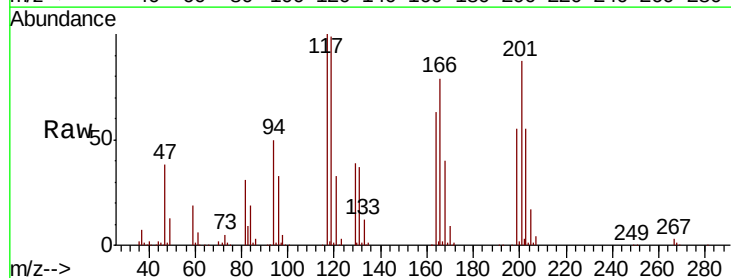
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

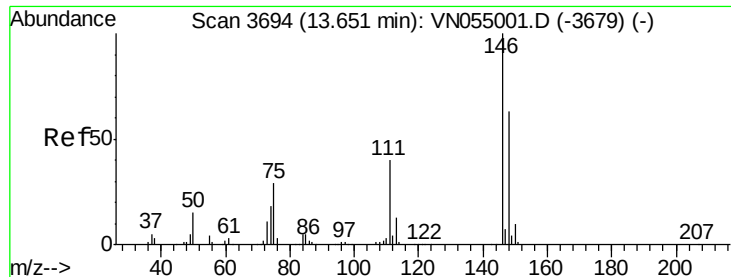
Tot Ion: 91 Resp: 692937
Ion Ratio Lower Upper
91 100
92 51.8 25.9 77.7
134 25.5 12.8 38.3



#90
Hexachloroethane
Concen: 46.873 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055001.D
Acq: 12 Apr 2019 16:05

Tgt Ion: 117 Resp: 136024
Ion Ratio Lower Upper
117 100
201 86.8 43.4 130.2

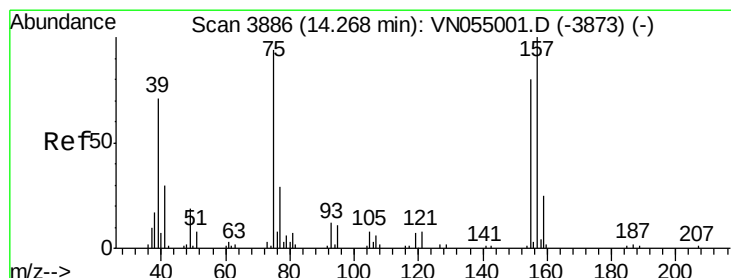
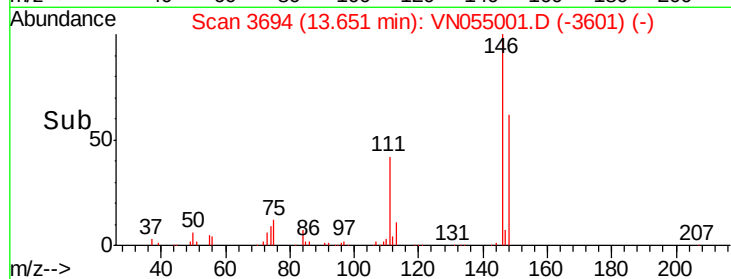
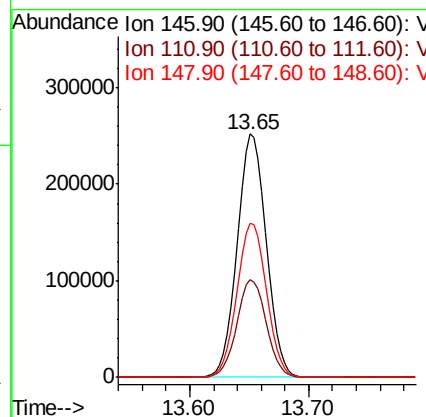
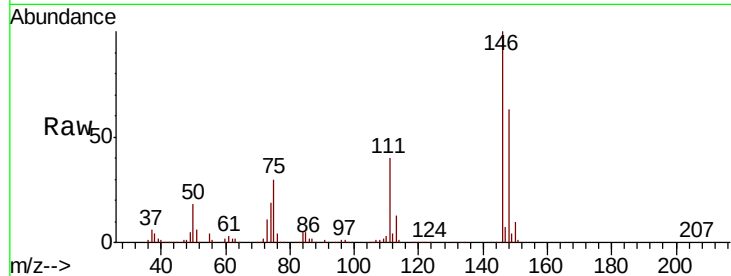




#91
 1,2-Dichlorobenzene
 Concen: 48.215 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

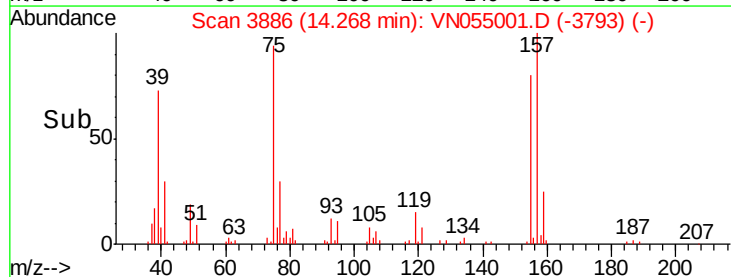
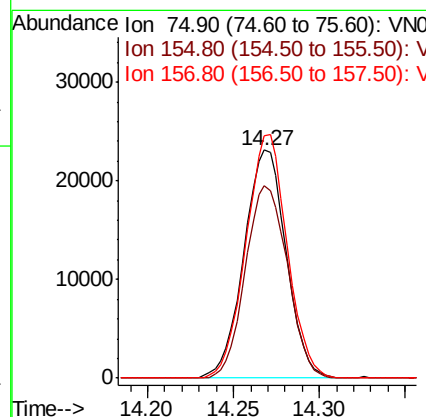
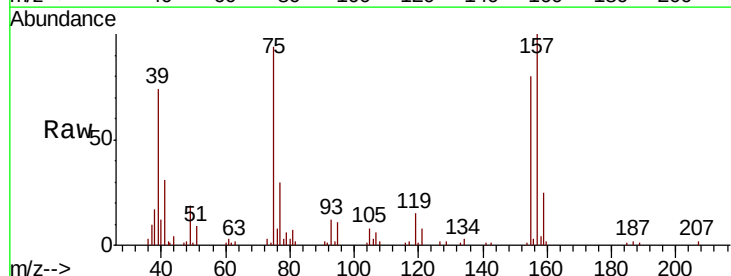
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

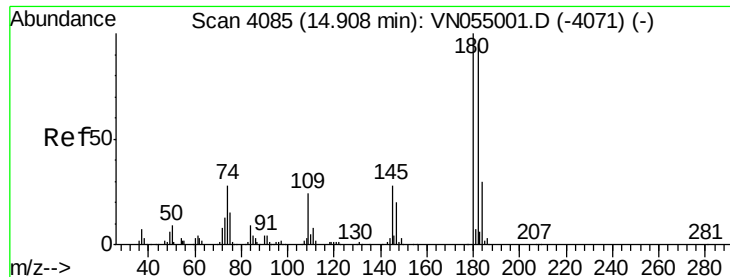
Tot Ion:146 Resp: 427289
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.3 60.9
 148 64.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.626 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion: 75 Resp: 39314
 Ion Ratio Lower Upper
 75 100
 155 84.0 42.0 126.0
 157 104.3 52.1 156.4

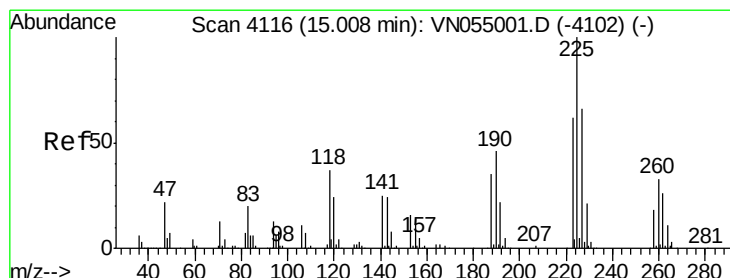
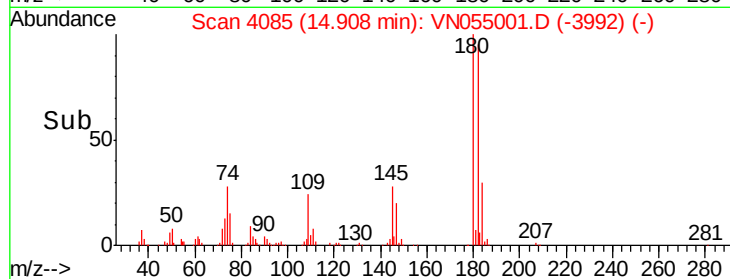
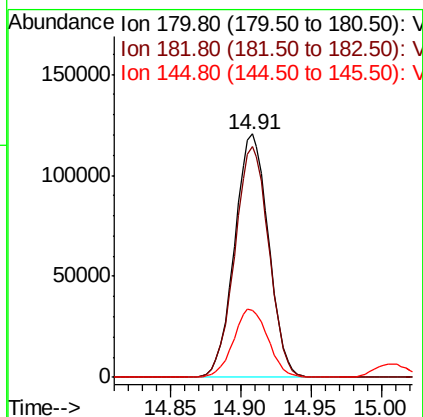
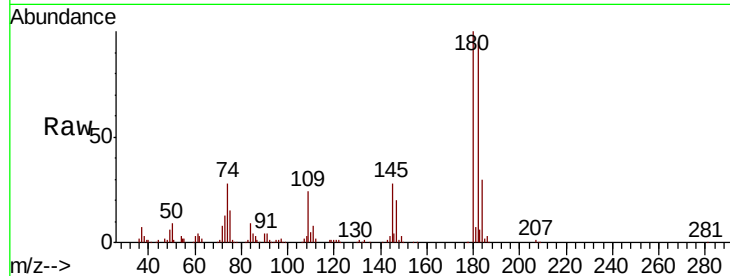




#93
 1,2,4-Trichlorobenzene
 Concen: 52.115 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

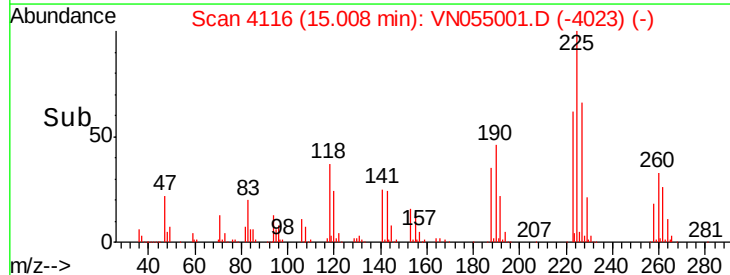
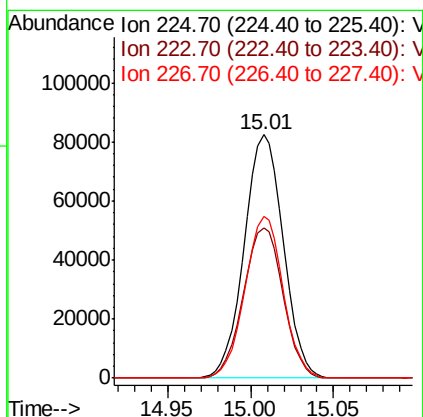
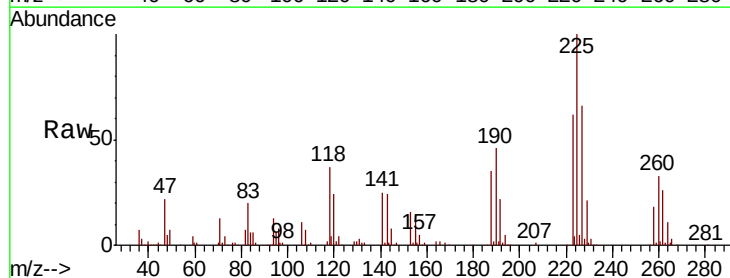
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

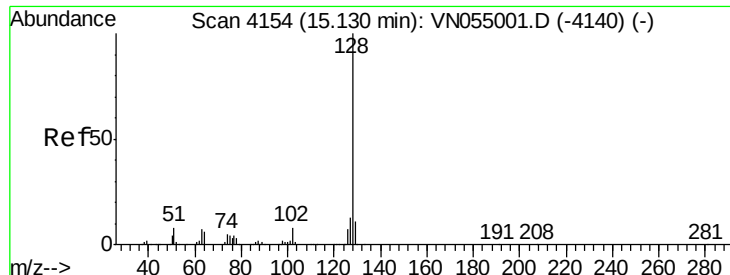
Tot Ion:180 Resp: 203062
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.5 142.6
 145 28.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 45.645 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055001.D
 Acq: 12 Apr 2019 16:05

Tgt Ion:225 Resp: 135539
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.0
 227 65.1 32.6 97.7





#95

Naphthalene

Concen: 51.853 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

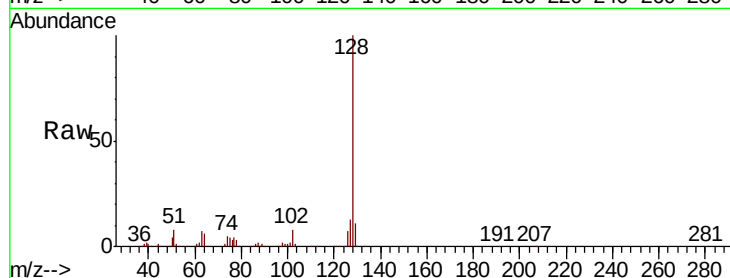
Tot Ion:128 Resp: 446212

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

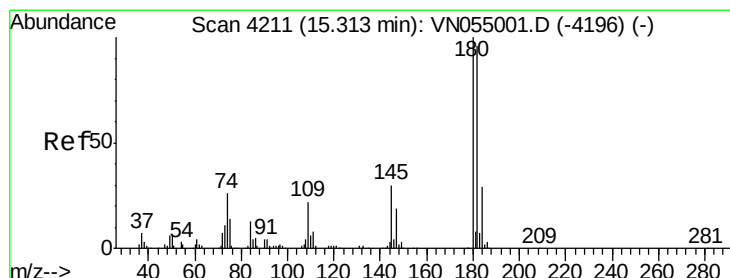
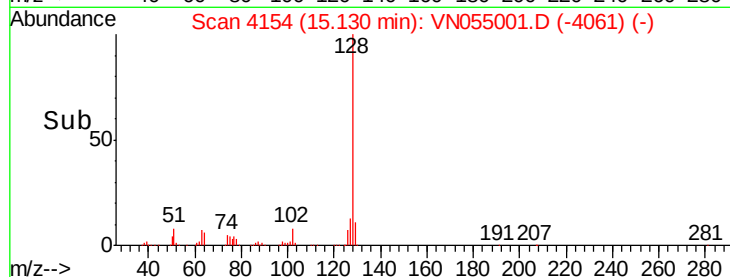
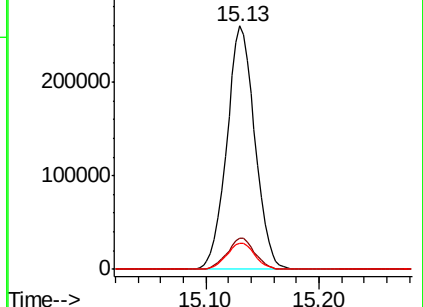
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.969 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055001.D

Acq: 12 Apr 2019 16:05

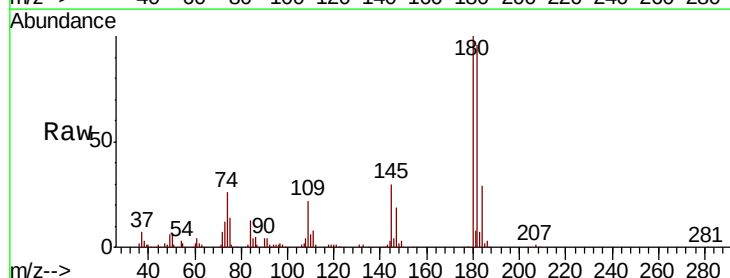
Tgt Ion:180 Resp: 206344

Ion Ratio Lower Upper

180 100

182 96.0 48.0 144.0

145 30.6 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

