

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055838.D
 Acq On : 28 May 2019 8:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 28 17:36:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	385836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	541357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	484066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	188743	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
35) Dibromofluoromethane	7.59	113	172084	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.09	98	655356	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	224952	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	117141	45.111	ug/l	99
3) Chloromethane	2.06	50	157831	43.381	ug/l	99
4) Vinyl Chloride	2.18	62	170894	44.039	ug/l	99
5) Bromomethane	2.52	94	105329	43.386	ug/l	100
6) Chloroethane	2.67	64	108017	46.233	ug/l	97
7) Trichlorofluoromethane	3.00	101	235039	46.199	ug/l	98
8) Diethyl Ether	3.40	74	101519	44.522	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	152818	48.120	ug/l	100
10) Methyl Iodide	3.94	142	229175	49.359	ug/l	99
11) Tert butyl alcohol	4.81	59	161700	212.393	ug/l	100
12) 1,1-Dichloroethene	3.72	96	150894	45.984	ug/l	97
13) Acrolein	3.60	56	112867	207.042	ug/l	99
14) Allyl chloride	4.31	41	255369	45.396	ug/l	99
15) Acrylonitrile	4.99	53	393989	225.368	ug/l	99
16) Acetone	3.82	43	495904	283.123	ug/l	99
17) Carbon Disulfide	4.03	76	402982	43.225	ug/l	100
18) Methyl Acetate	4.32	43	165595	46.414	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	507360	46.359	ug/l	99
20) Methylene Chloride	4.54	84	173752	45.805	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	163617	46.412	ug/l	99
22) Diisopropyl ether	5.95	45	512066	46.802	ug/l	99
23) Vinyl Acetate	5.89	43	2166102	230.910	ug/l	100
24) 1,1-Dichloroethane	5.84	63	291504	45.760	ug/l	99
25) 2-Butanone	6.84	43	593606	242.667	ug/l	100
26) 2,2-Dichloropropane	6.82	77	255786	46.396	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	195254	47.473	ug/l	98
28) Bromochloromethane	7.19	49	145069	47.831	ug/l	98
29) Tetrahydrofuran	7.21	42	340051	219.516	ug/l	99
30) Chloroform	7.37	83	298380	46.967	ug/l	99
31) Cyclohexane	7.64	56	274441	45.887	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	264172	46.598	ug/l	99
36) 1,1-Dichloropropene	7.79	75	223697	47.417	ug/l	99
37) Ethyl Acetate	6.93	43	214840	47.117	ug/l	98
38) Carbon Tetrachloride	7.77	117	234774	47.775	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	287279	49.174	ug/l	99
40) Benzene	8.04	78	691000	48.599	ug/l	100
41) Methacrylonitrile	7.17	41	112531	48.851	ug/l	96
42) 1,2-Dichloroethane	8.12	62	220474	47.454	ug/l	100
43) Isopropyl Acetate	8.16	43	352699	46.038	ug/l #	92
44) Trichloroethene	8.83	130	201400	50.810	ug/l	99
45) 1,2-Dichloropropane	9.12	63	182986	49.396	ug/l	98
46) Dibromomethane	9.21	93	118955	48.964	ug/l	99
47) Bromodichloromethane	9.40	83	239660	48.109	ug/l	100
48) Methyl methacrylate	9.20	41	165730	46.939	ug/l	98
49) 1,4-Dioxane	9.20	88	68105	928.209	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1043155	230.552	ug/l	100
52) Toluene	10.15	92	444307	49.686	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	262400	49.347	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	294429	49.982	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	174920	48.828	ug/l	98
56) Ethyl methacrylate	10.43	69	267551	48.325	ug/l	100
57) 1,3-Dichloropropane	10.71	76	285743	49.071	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	486277	229.831	ug/l	100
59) 2-Hexanone	10.75	43	754232	234.978	ug/l	100
60) Dibromochloromethane	10.90	129	207098	49.625	ug/l	99
61) 1,2-Dibromoethane	11.00	107	182672	49.161	ug/l	99
64) Tetrachloroethene	10.63	164	204812	50.166	ug/l	99
65) Chlorobenzene	11.43	112	481810	49.720	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	187731	48.573	ug/l	100
67) Ethyl Benzene	11.51	91	842660	48.491	ug/l	98
68) m/p-Xylenes	11.62	106	649407	98.850	ug/l	99
69) o-Xylene	11.95	106	315092	48.342	ug/l	100
70) Styrene	11.96	104	527889	50.012	ug/l	100
71) Bromoform	12.12	173	158288	48.015	ug/l #	99
73) Isopropylbenzene	12.25	105	846184	54.360	ug/l	100
74) N-amyl acetate	12.07	43	284507	47.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	228100	49.212	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	289423	78.261	ug/l #	100
77) Bromobenzene	12.53	156	221860	47.308	ug/l	96
78) n-propylbenzene	12.59	91	912651	47.780	ug/l	99
79) 2-Chlorotoluene	12.67	91	537597	52.372	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	690968	52.645	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	74181	45.415	ug/l	99
82) 4-Chlorotoluene	12.77	91	528793	47.095	ug/l	100
83) tert-Butylbenzene	12.99	119	610514	53.910	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	681113	51.936	ug/l	98
85) sec-Butylbenzene	13.17	105	793063	53.784	ug/l	100
86) p-Isopropyltoluene	13.29	119	731669	47.940	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	358516	48.279	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	344174	48.749	ug/l	99
89) n-Butylbenzene	13.61	91	574192	49.101	ug/l	99
90) Hexachloroethane	13.87	117	133594	45.987	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	352694	47.605	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	41171	42.279	ug/l	96

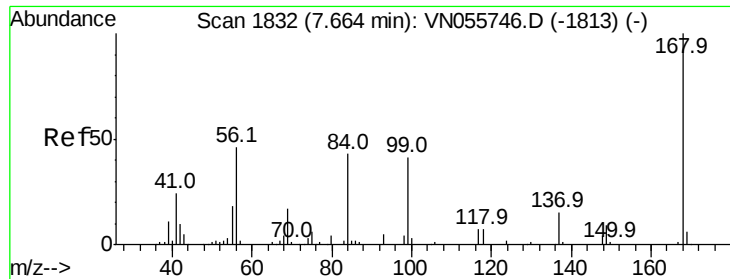
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	199958	47.135	ug/l	100
94) Hexachlorobutadiene	15.01	225	138246	53.136	ug/l	99
95) Naphthalene	15.13	128	511521	50.315	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	209429	53.476	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

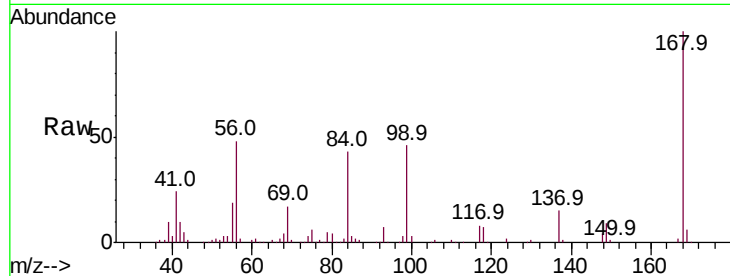
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 385836

Ion Ratio Lower Upper

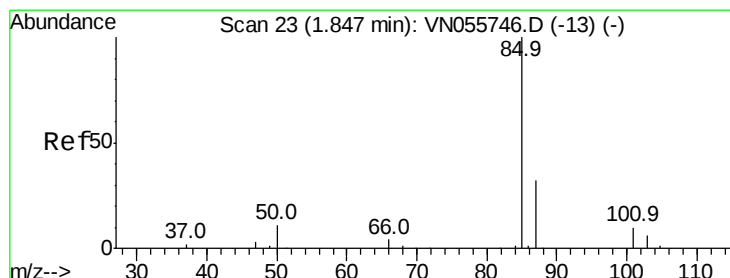
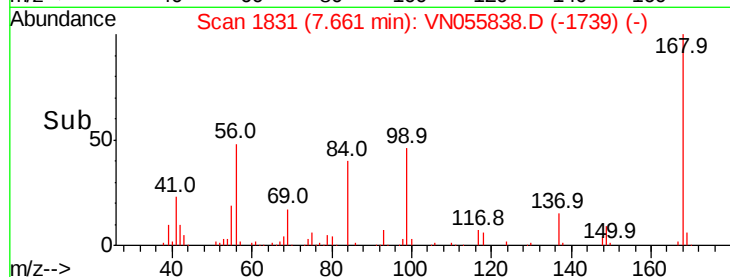
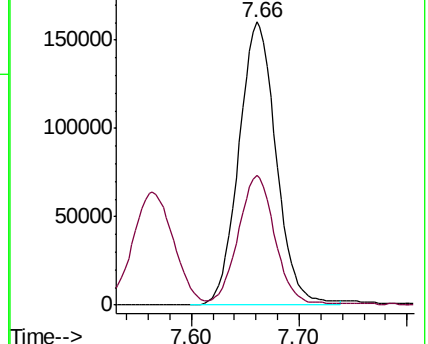
168 100

99 45.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.111 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055838.D

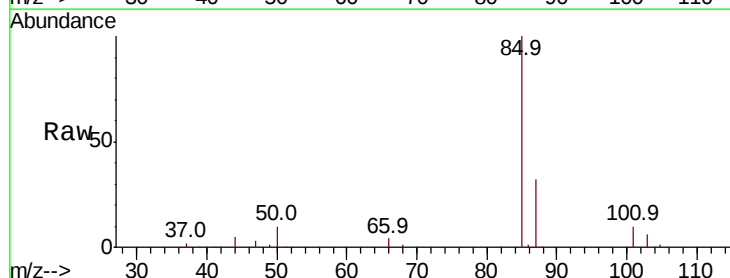
Acq: 28 May 2019 8:57

Tgt Ion: 85 Resp: 117141

Ion Ratio Lower Upper

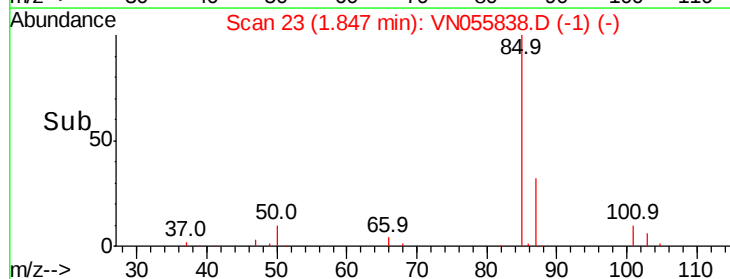
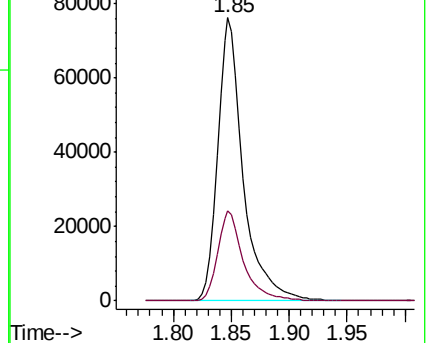
85 100

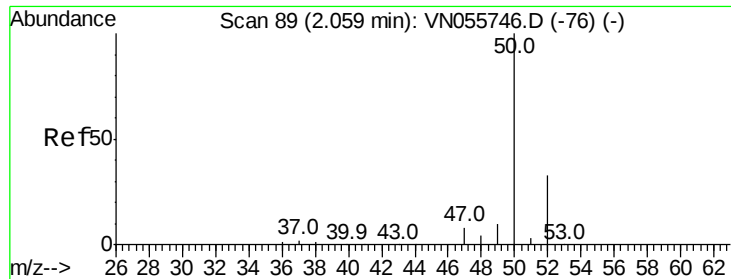
87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.381 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

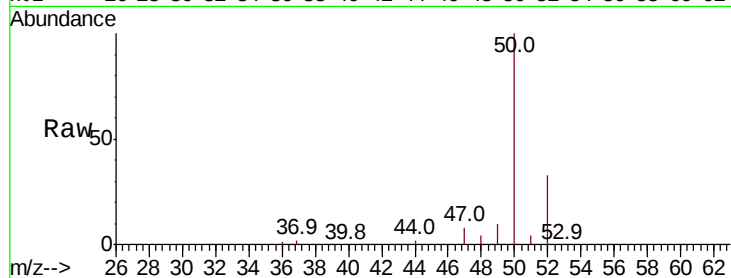
VSTDCCC050

Tot Ion: 50 Resp: 157831

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

120000

100000

80000

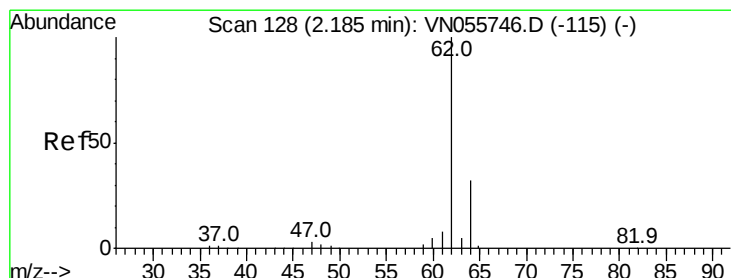
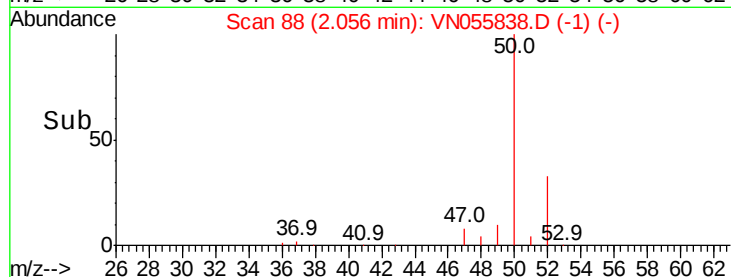
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 44.039 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055838.D

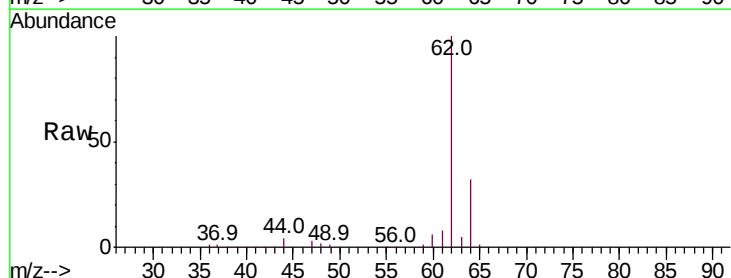
Acq: 28 May 2019 8:57

Tgt Ion: 62 Resp: 170894

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

120000

100000

80000

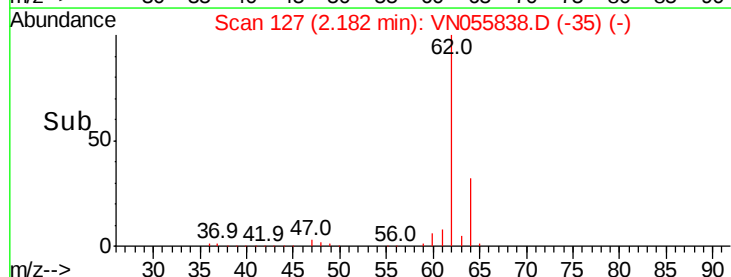
60000

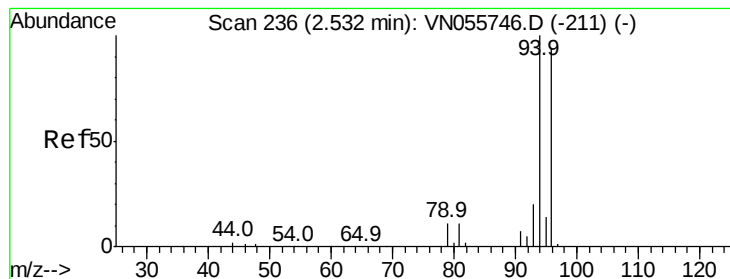
40000

20000

0

Time-->





#5

Bromomethane

Concen: 43.386 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

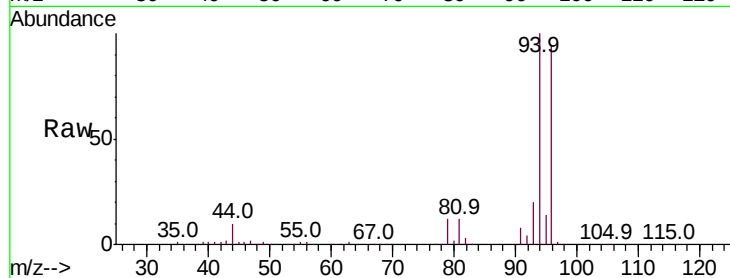
VSTDCCC050

Tot Ion: 94 Resp: 105329

Ion Ratio Lower Upper

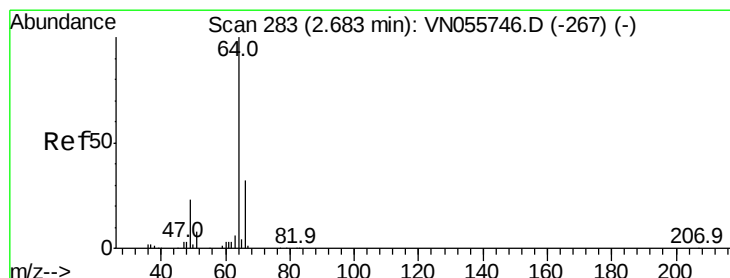
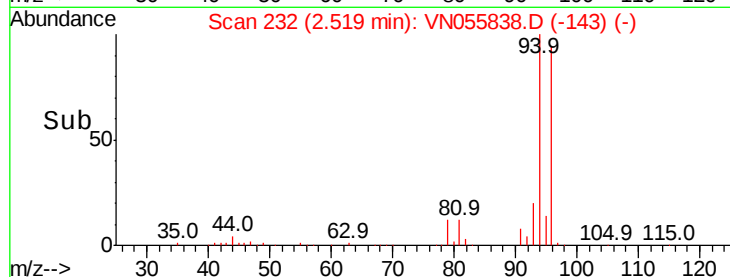
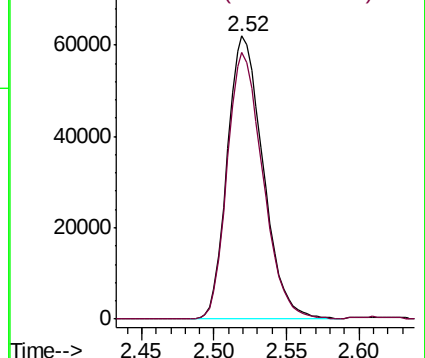
94 100

96 94.1 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.233 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN055838.D

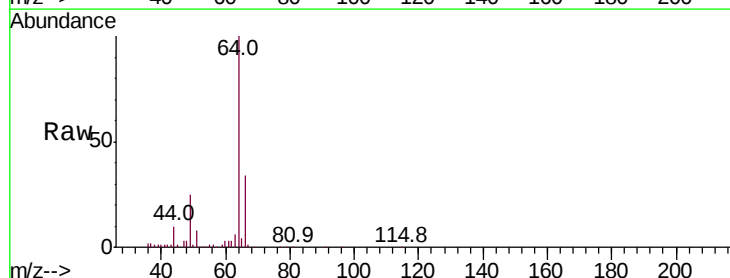
Acq: 28 May 2019 8:57

Tgt Ion: 64 Resp: 108017

Ion Ratio Lower Upper

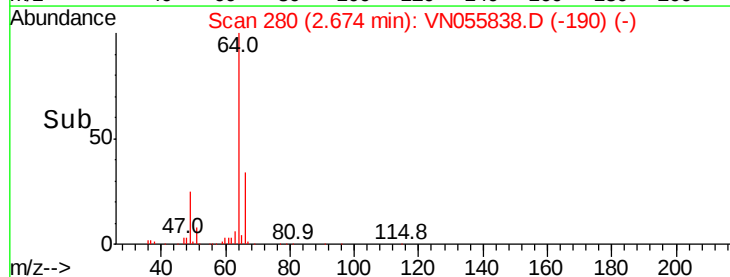
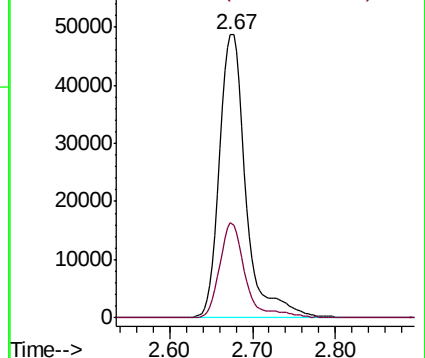
64 100

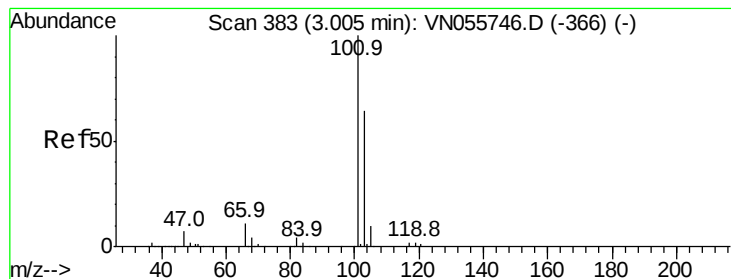
66 33.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



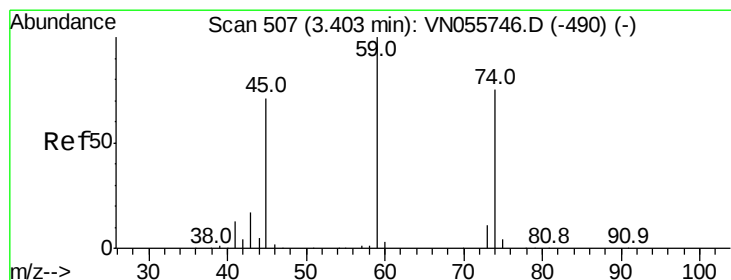
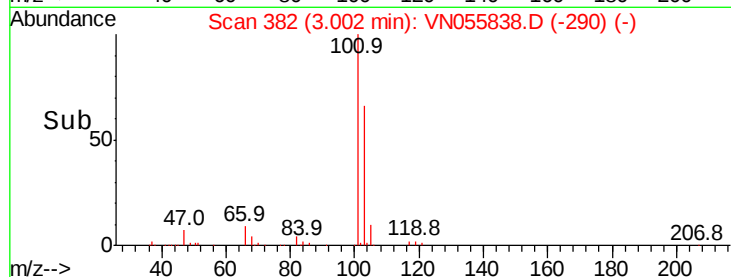
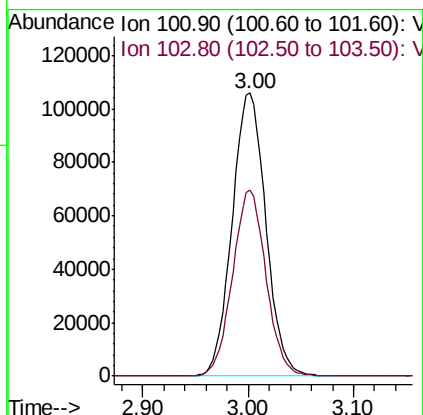
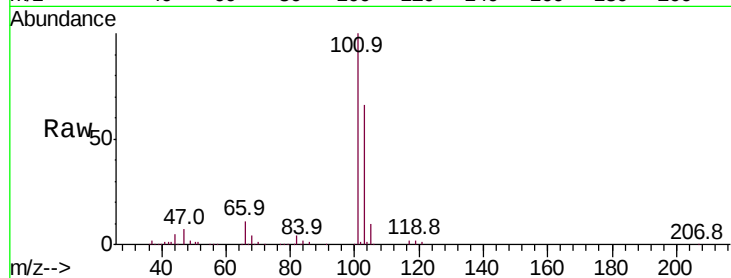


#7

Trichlorofluoromethane
Concen: 46.199 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Instrument :
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VSTDCCC050

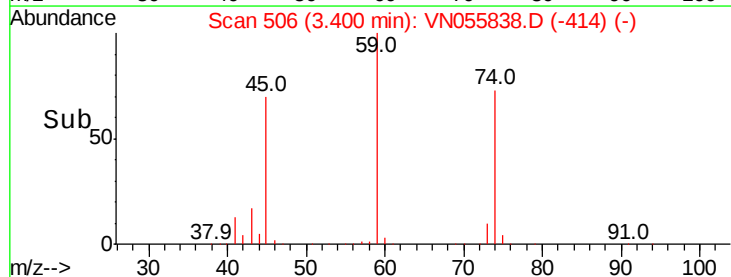
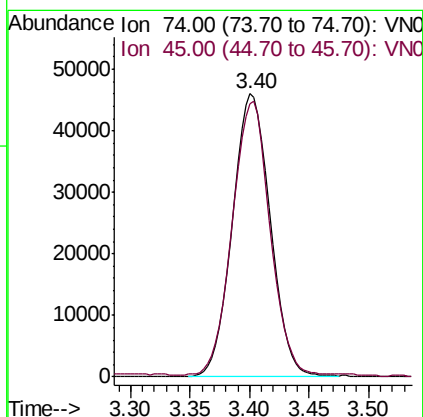
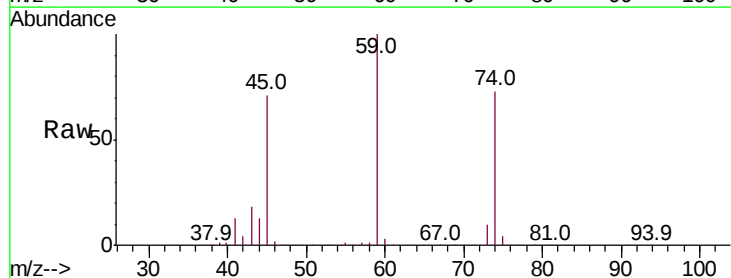
Tot Ion:101 Resp: 235039
Ion Ratio Lower Upper
101 100
103 65.9 51.2 76.8

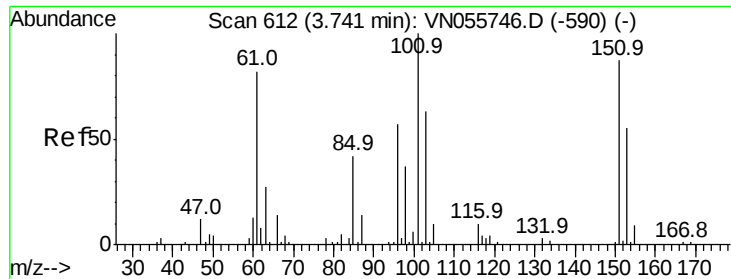


#8

Diethyl Ether
Concen: 44.522 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion: 74 Resp: 101519
Ion Ratio Lower Upper
74 100
45 96.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.120 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

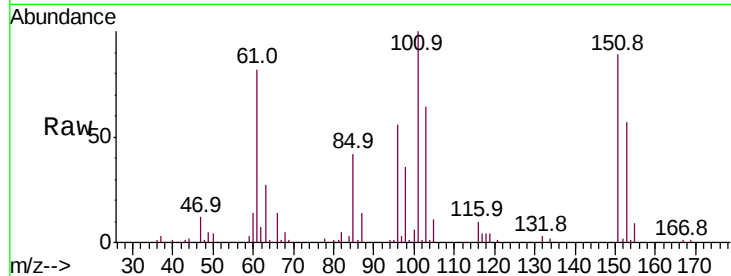
Tot Ion:101 Resp: 152818

Ion Ratio Lower Upper

101 100

85 42.0 33.4 50.2

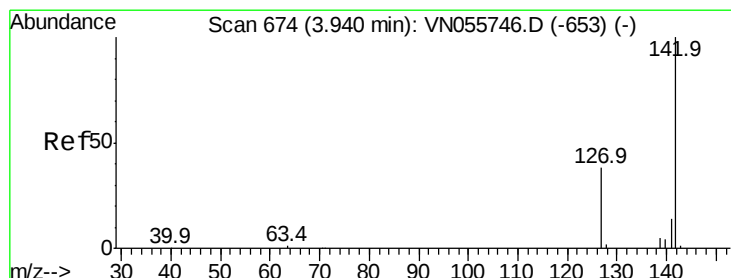
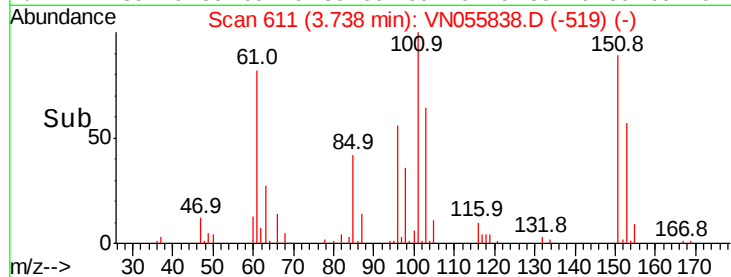
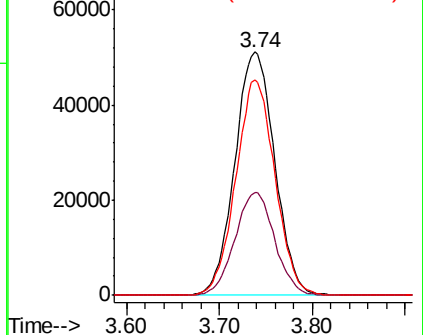
151 87.1 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.359 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

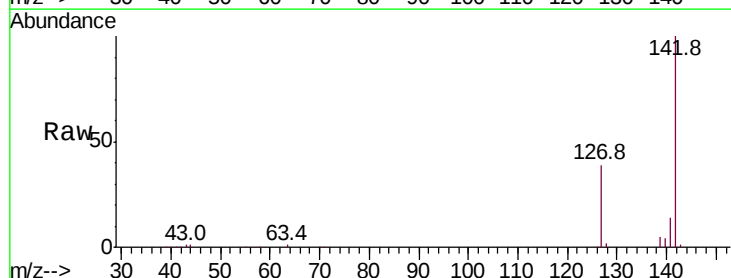
Tgt Ion:142 Resp: 229175

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

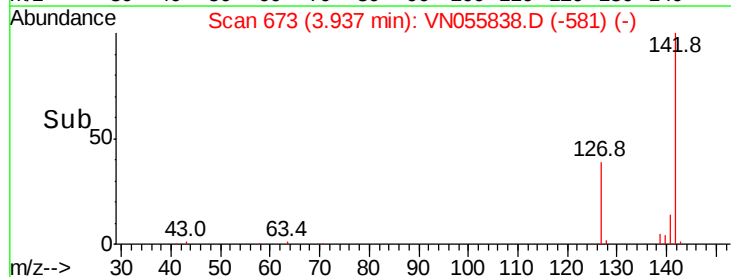
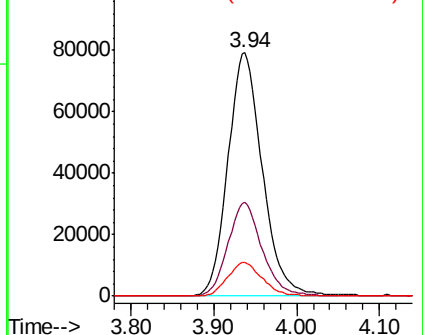
141 13.9 11.4 17.0

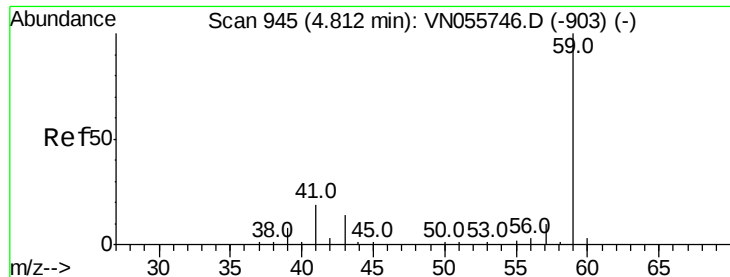


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



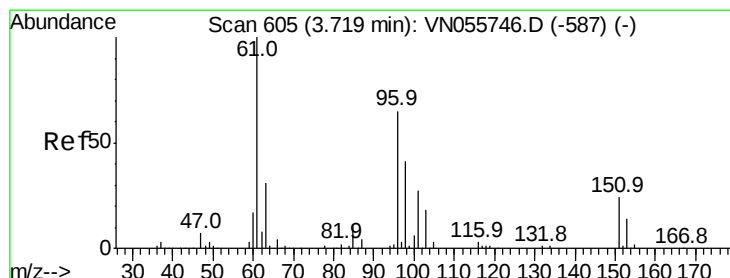
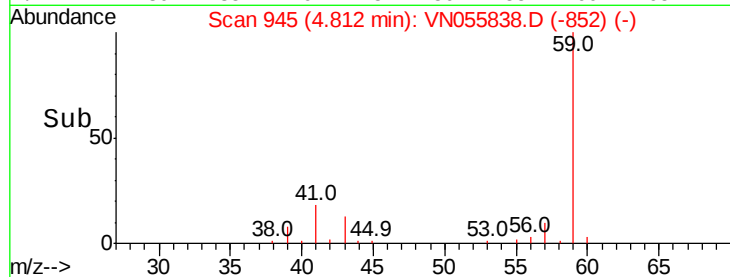
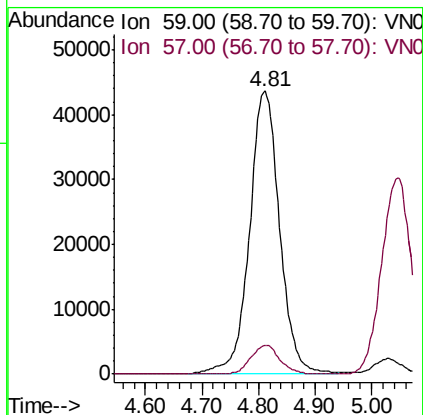
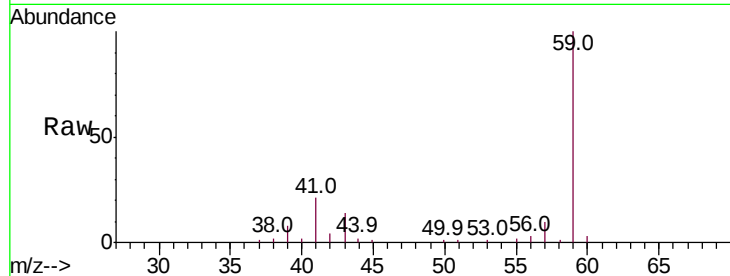


#11

Tert butyl alcohol
 Concen: 212.393 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

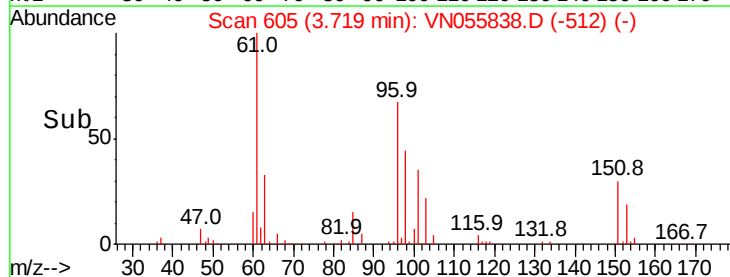
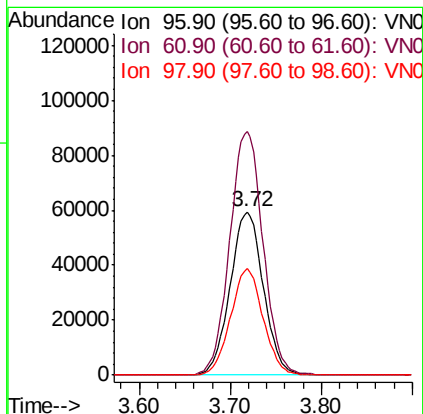
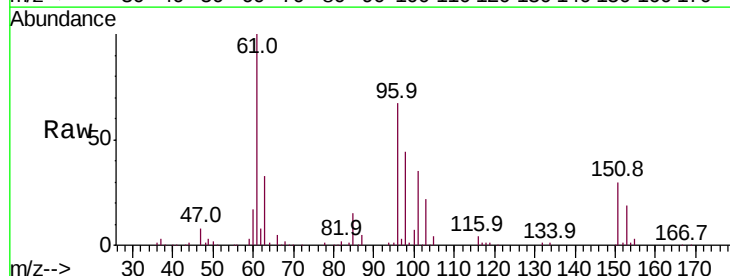
Tot Ion: 59 Resp: 161700
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.8 11.6

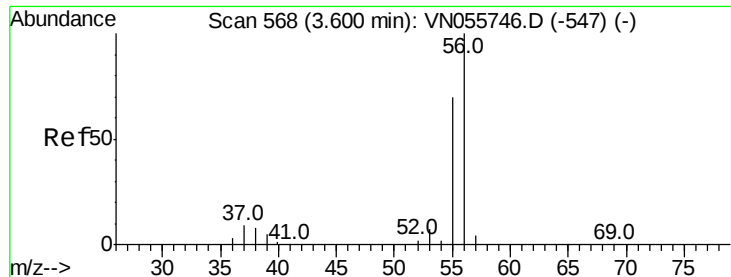


#12

1,1-Dichloroethene
 Concen: 45.984 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

Tgt Ion: 96 Resp: 150894
 Ion Ratio Lower Upper
 96 100
 61 149.1 123.2 184.8
 98 65.1 50.4 75.6





#13

Acrolein

Concen: 207.042 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

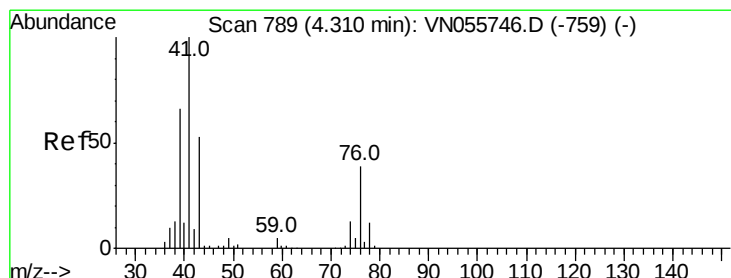
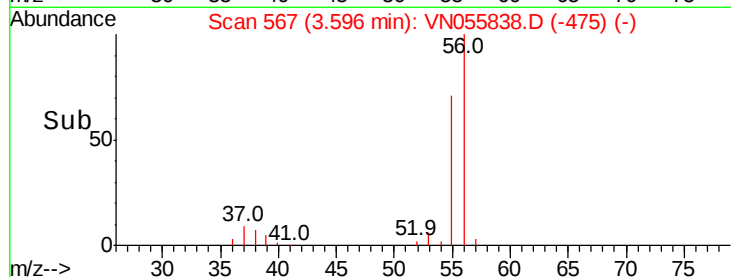
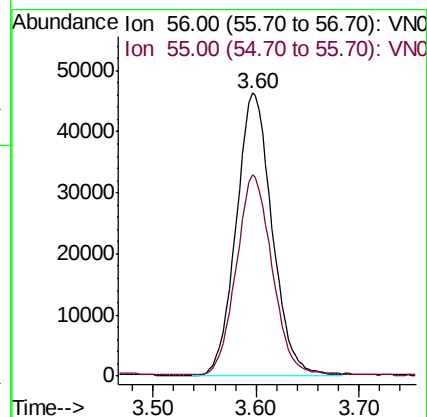
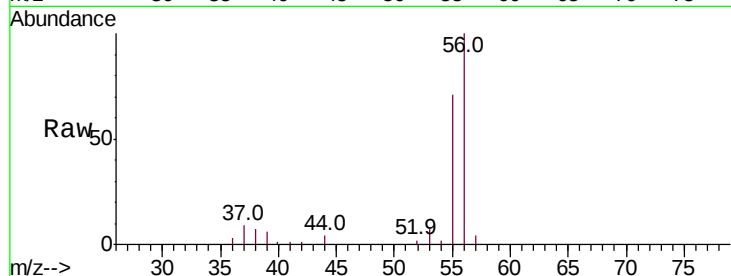
VSTDCCC050

Tot Ion: 56 Resp: 112867

Ion Ratio Lower Upper

56 100

55 69.8 55.4 83.2



#14

Allyl chloride

Concen: 45.396 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

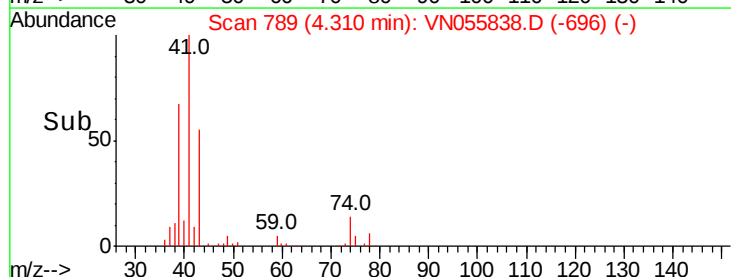
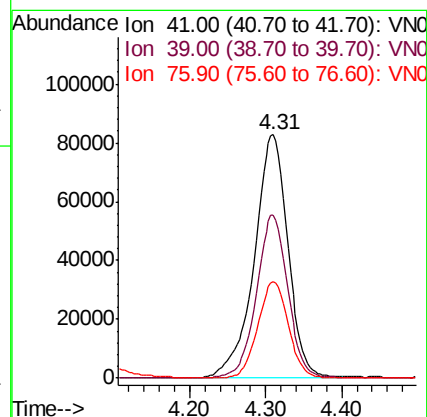
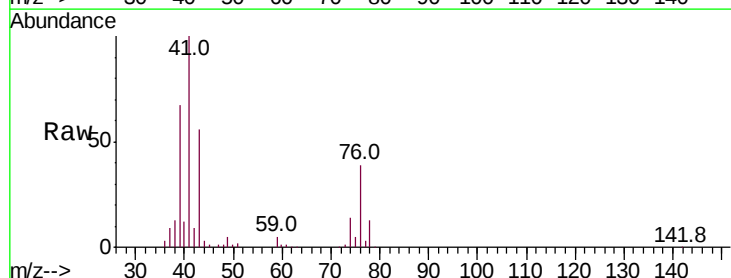
Tgt Ion: 41 Resp: 255369

Ion Ratio Lower Upper

41 100

39 62.3 50.0 75.0

76 35.9 28.2 42.2





#15

Acrylonitrile

Concen: 225.368 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

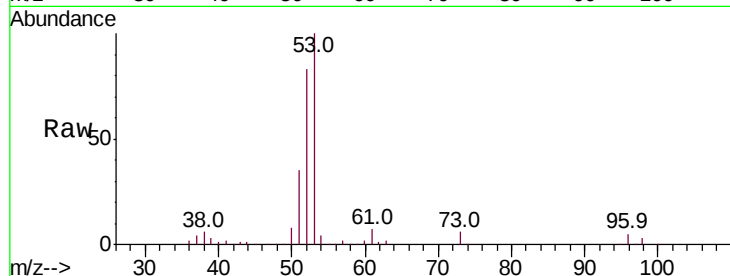
Tot Ion: 53 Resp: 393989

Ion Ratio Lower Upper

53 100

52 81.8 65.8 98.8

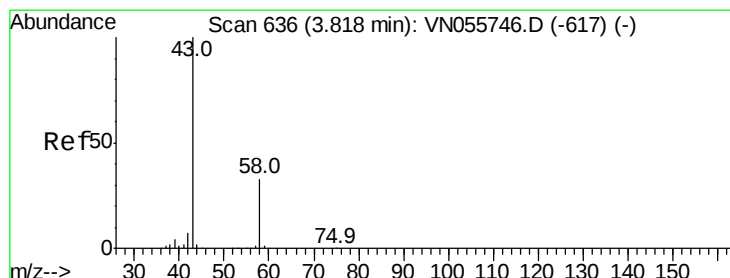
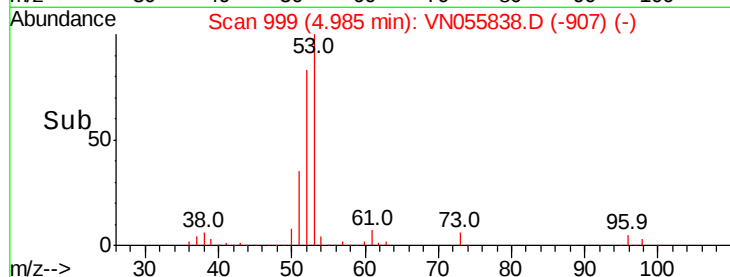
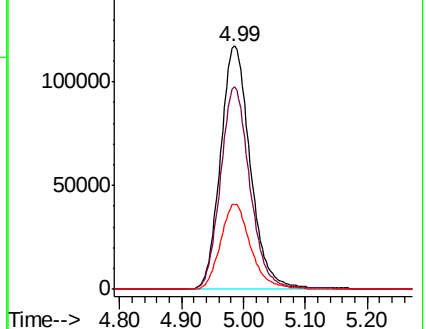
51 35.5 28.2 42.4



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: 283.123 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055838.D

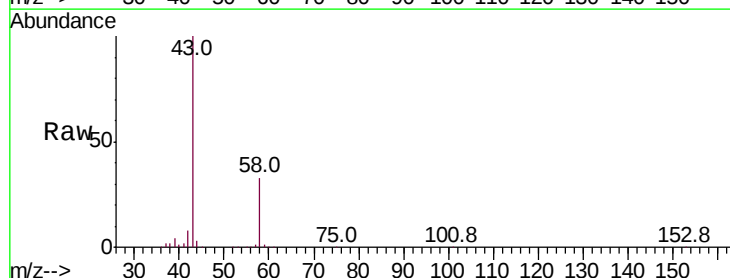
Acq: 28 May 2019 8:57

Tgt Ion: 43 Resp: 495904

Ion Ratio Lower Upper

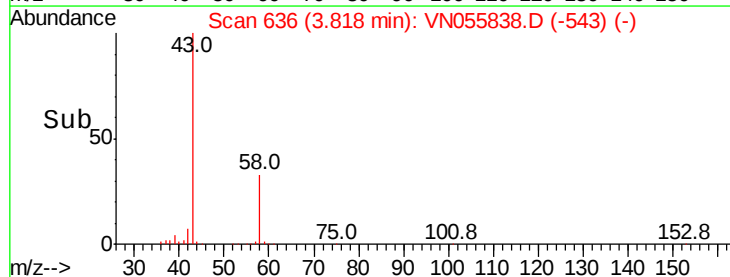
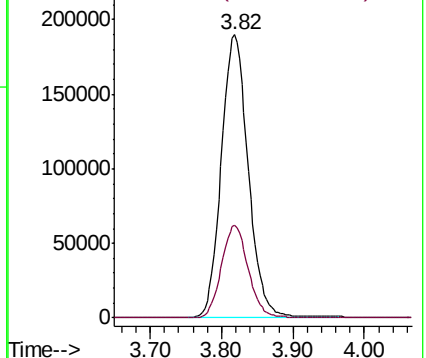
43 100

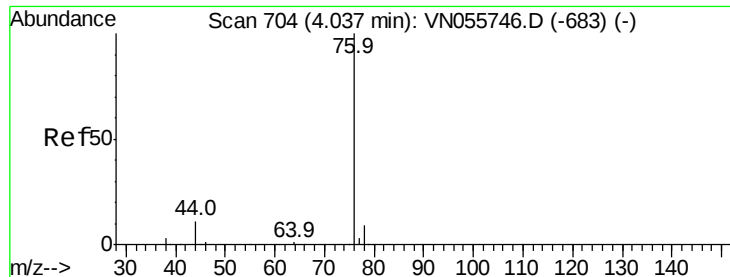
58 32.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 43.225 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

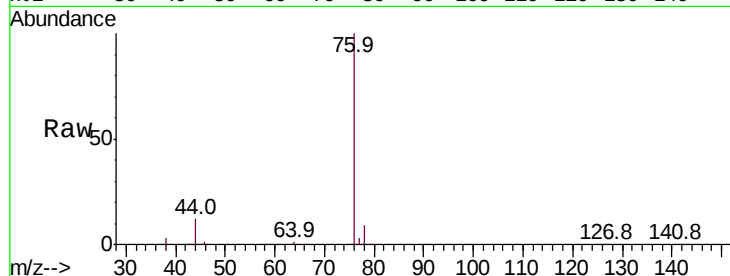
VSTDCCC050

Tot Ion: 76 Resp: 402982

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

150000

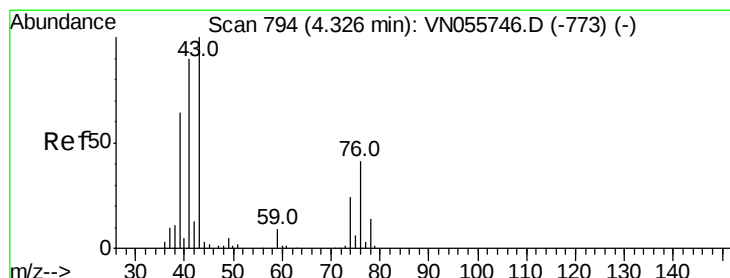
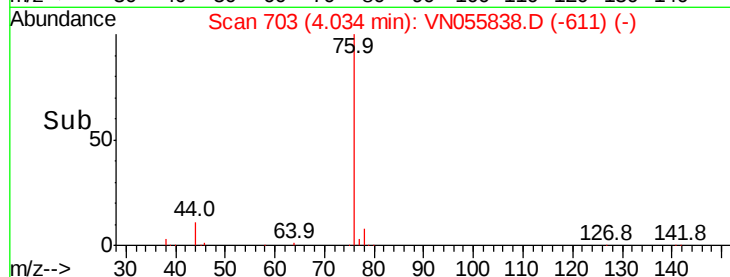
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 46.414 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055838.D

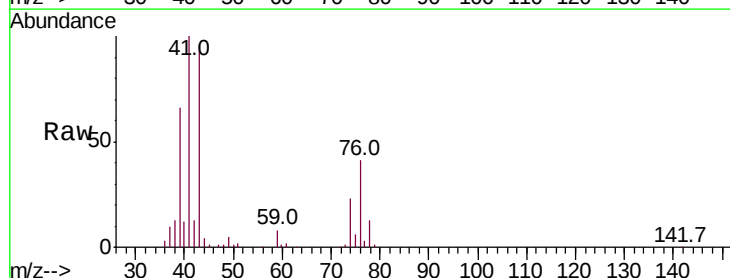
Acq: 28 May 2019 8:57

Tgt Ion: 43 Resp: 165595

Ion Ratio Lower Upper

43 100

74 24.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

60000

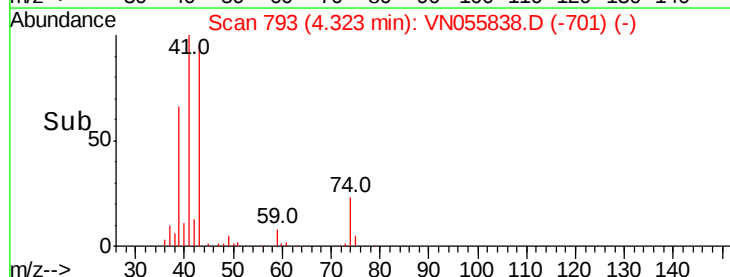
40000

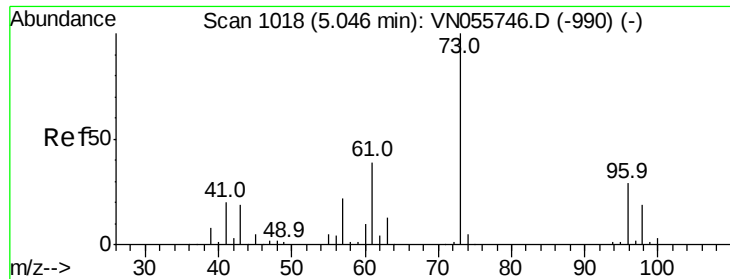
20000

0

4.20 4.30 4.40 4.50

Time-->

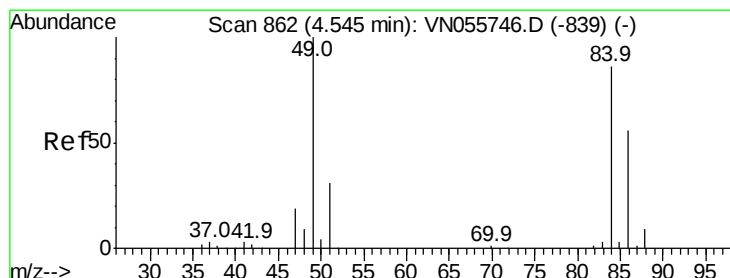
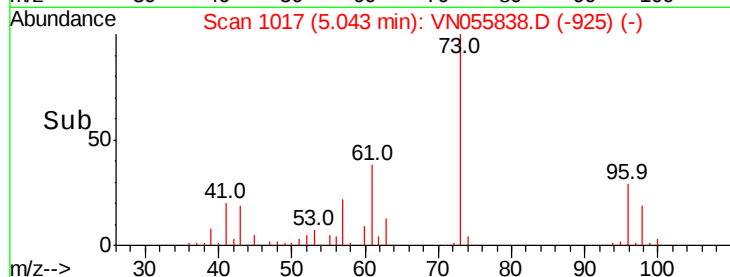
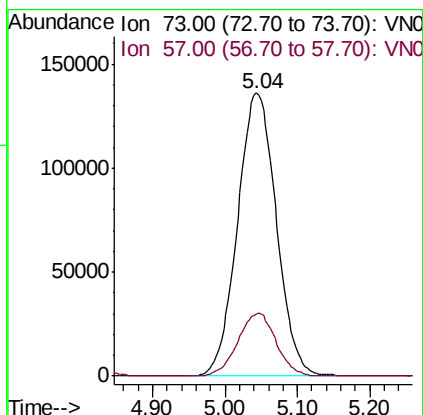
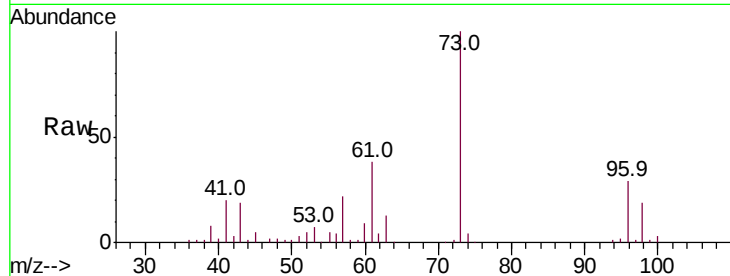




#19
Methvl tert-butvl Ether
Concen: 46.359 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

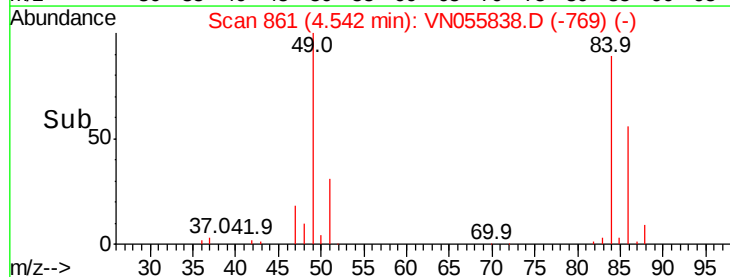
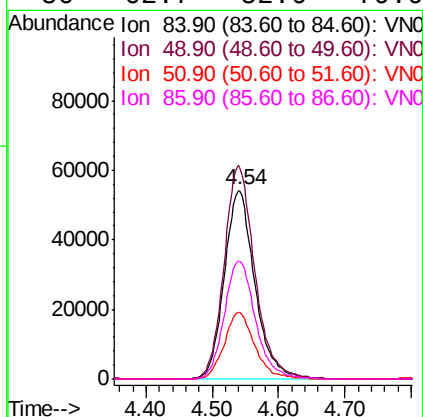
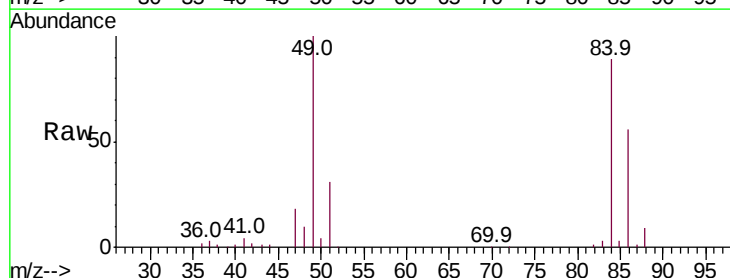
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

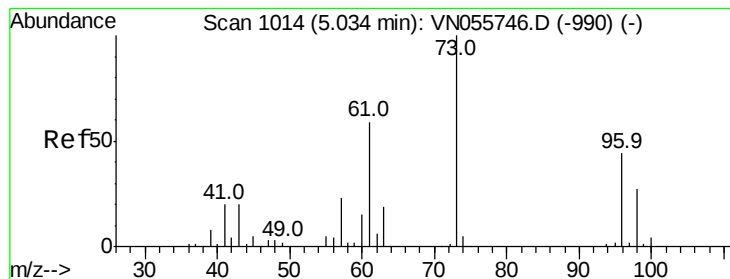
Tot Ion: 73 Resp: 507360
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8



#20
Methylene Chloride
Concen: 45.805 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion: 84 Resp: 173752
Ion Ratio Lower Upper
84 100
49 112.1 93.5 140.3
51 35.2 28.6 43.0
86 62.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 46.412 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

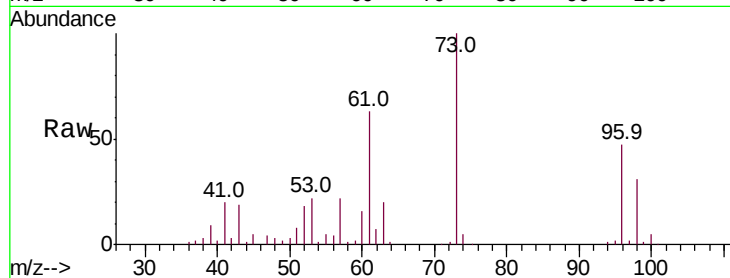
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 163617

Ion	Ratio	Lower	Upper
96	100		
61	134.5	107.8	161.8
98	64.9	49.8	74.8

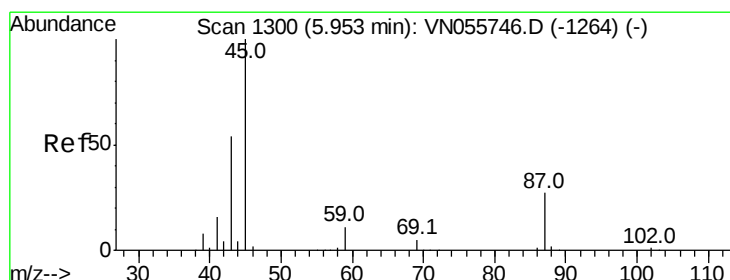
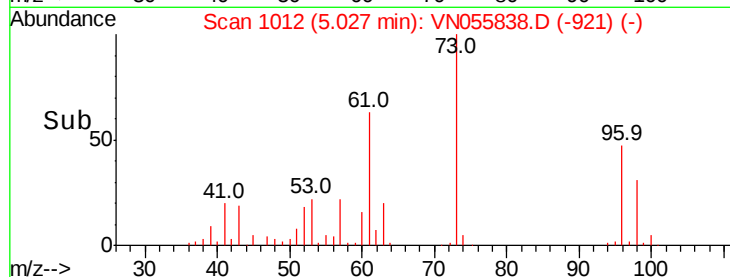
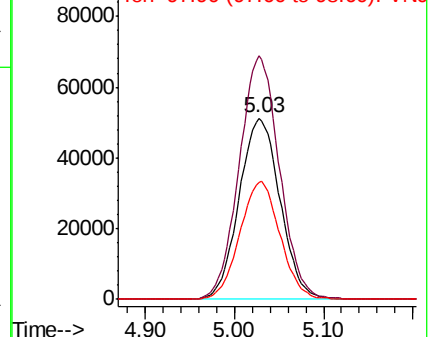


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 46.802 ug/l

RT: 5.95 min Scan# 1299

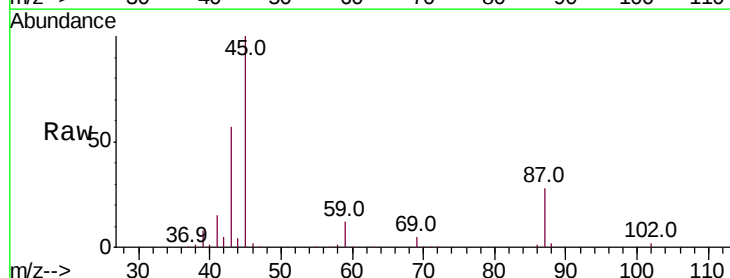
Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Tgt Ion: 45 Resp: 512066

Ion	Ratio	Lower	Upper
45	100		
43	55.6	45.0	67.6
87	28.2	22.2	33.4
59	11.5	9.1	13.7



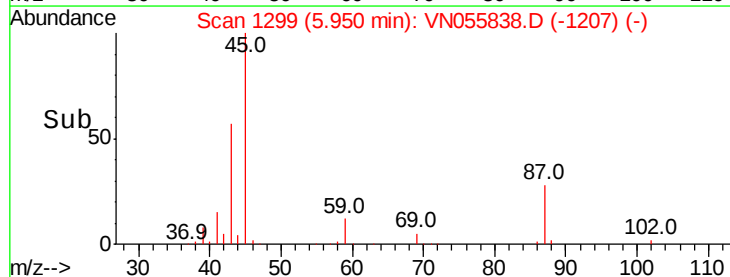
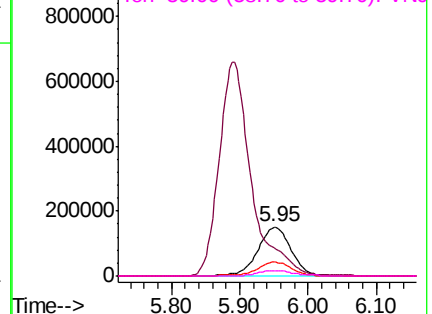
Abundance

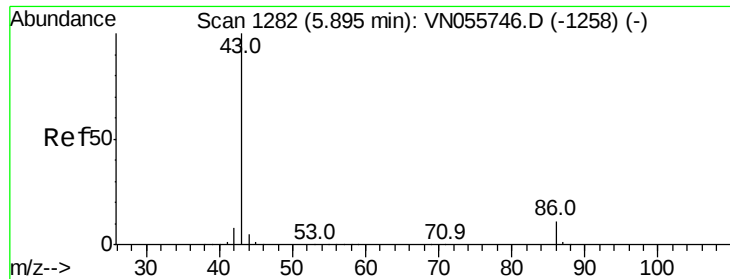
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO

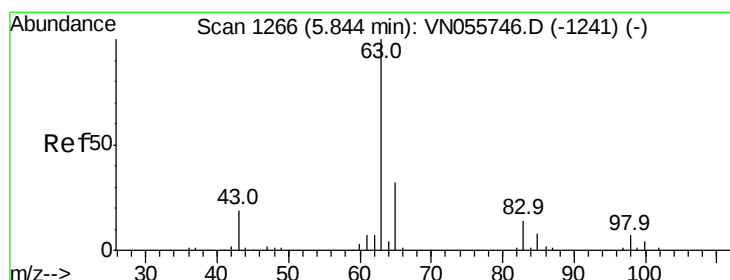
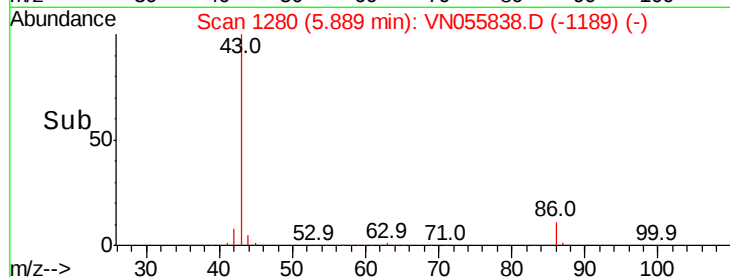
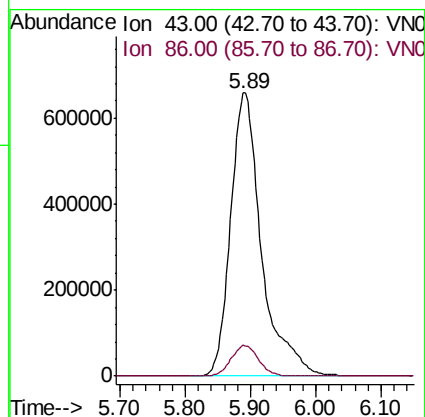
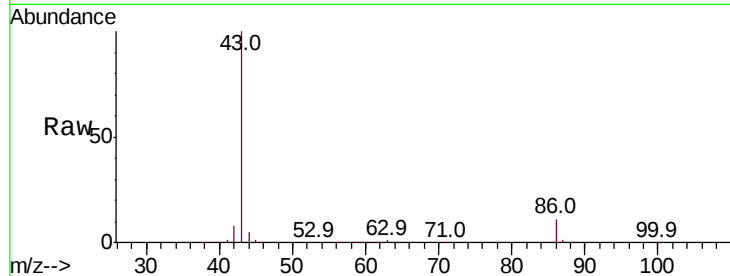




#23
 Vinyl Acetate
 Concen: 230.910 ug/l
 RT: 5.89 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

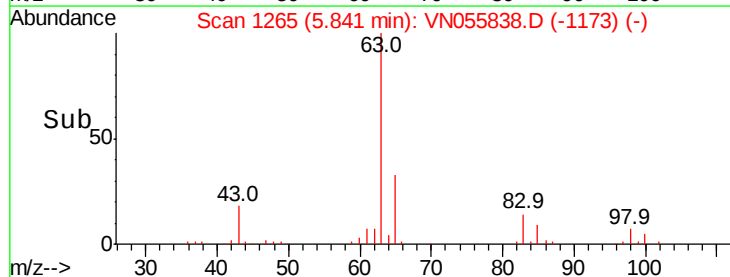
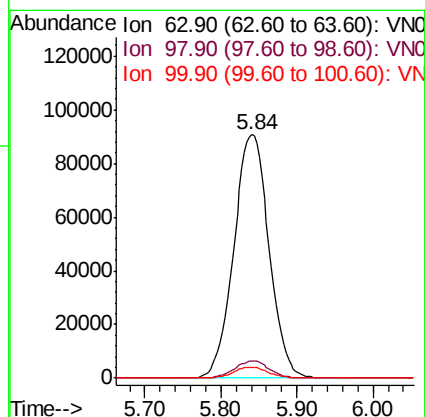
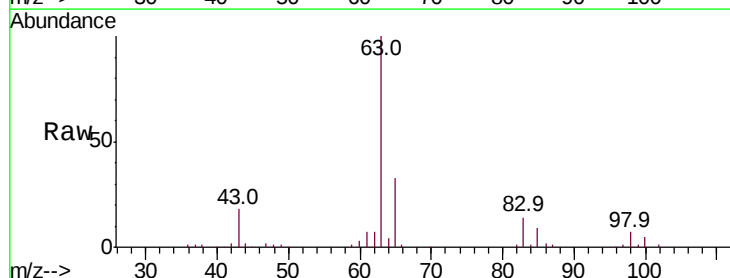
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

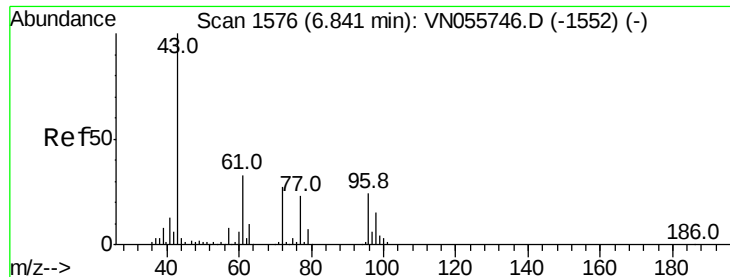
Tot Ion: 43 Resp: 2166102
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 45.760 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

Tgt Ion: 63 Resp: 291504
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.1
 100 4.6 2.2 6.6

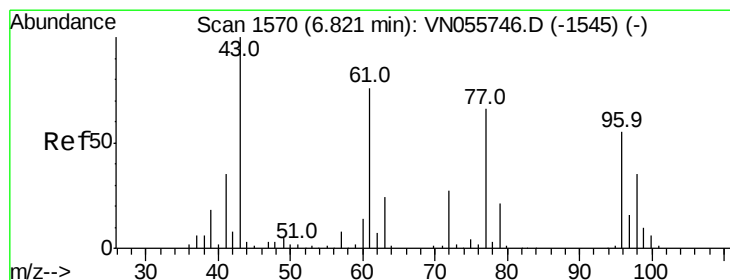
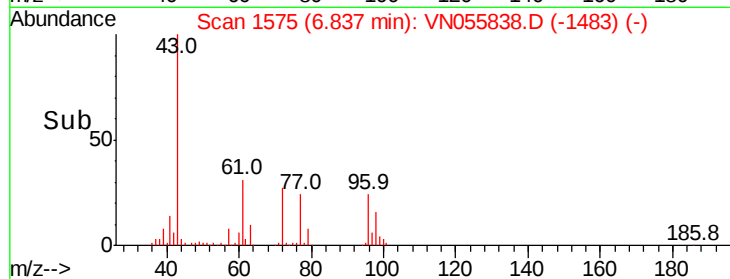
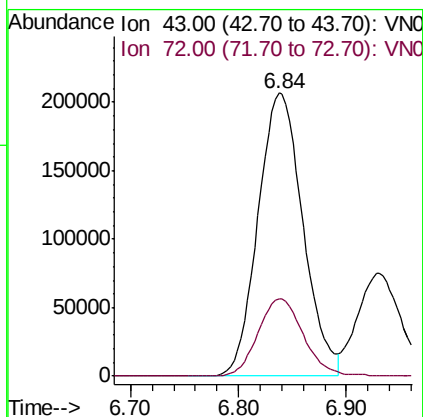
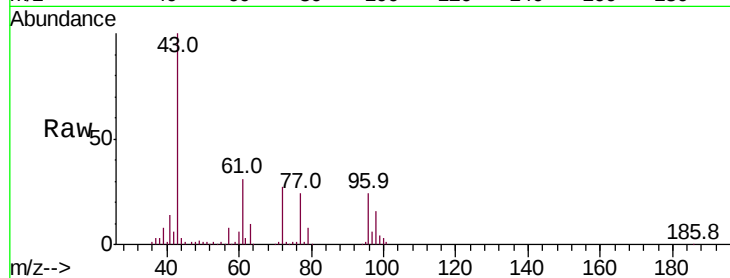




#25
2-Butanone
Concen: 242.667 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

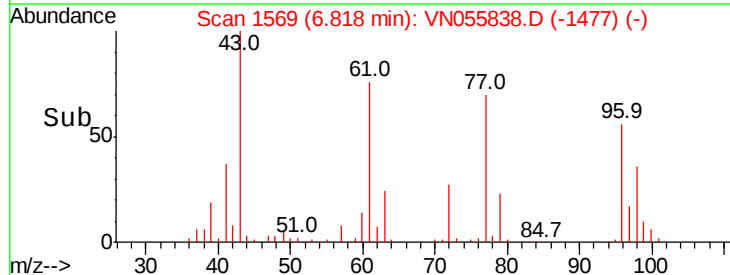
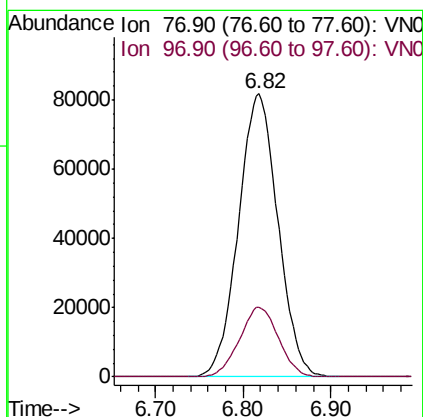
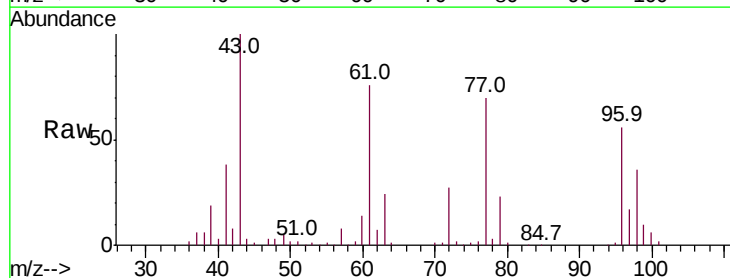
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

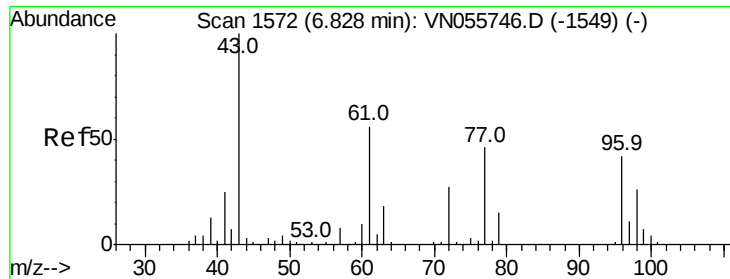
Tot Ion: 43 Resp: 593606
Ion Ratio Lower Upper
43 100
72 27.5 21.9 32.9



#26
2,2-Dichloropropane
Concen: 46.396 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion: 77 Resp: 255786
Ion Ratio Lower Upper
77 100
97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 47.473 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

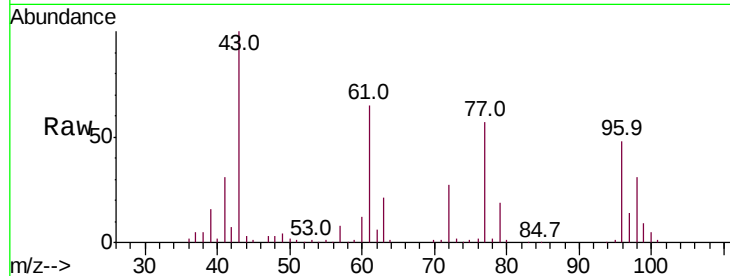
Tot Ion: 96 Resp: 195254

Ion Ratio Lower Upper

96 100

61 134.6 0.0 275.8

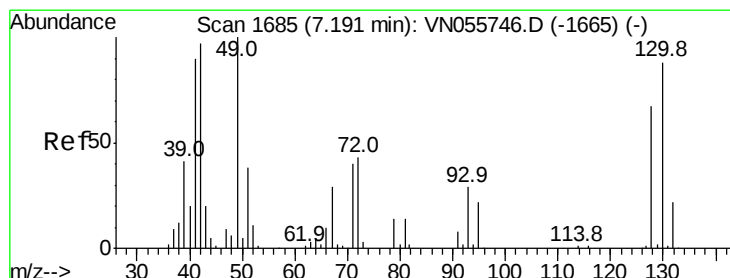
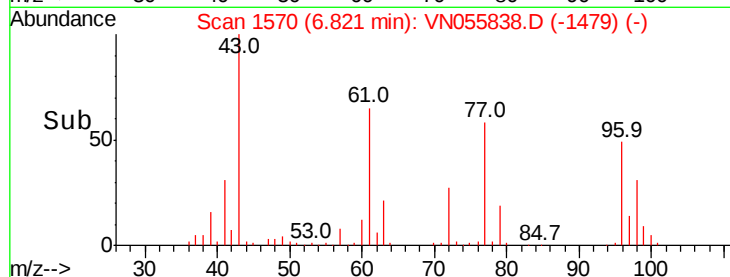
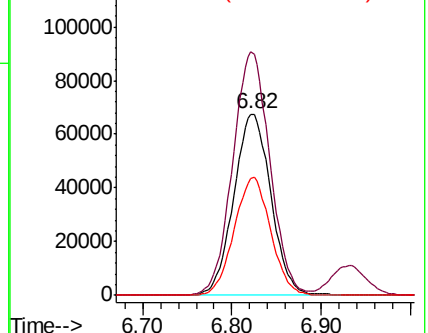
98 64.1 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1549) (-)



#28

Bromochloromethane

Concen: 47.831 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

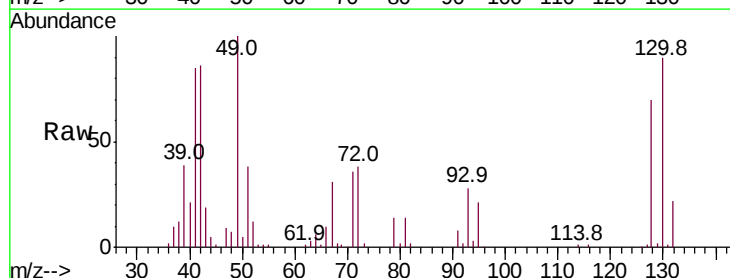
Tgt Ion: 49 Resp: 145069

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

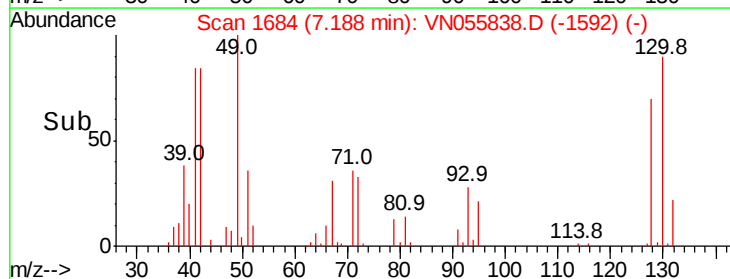
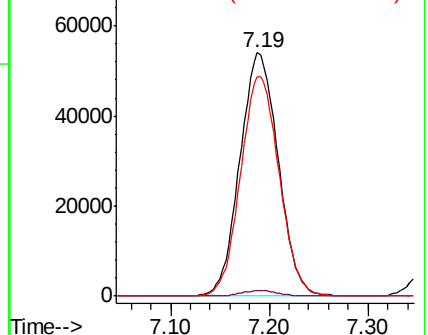
130 90.6 71.2 106.8

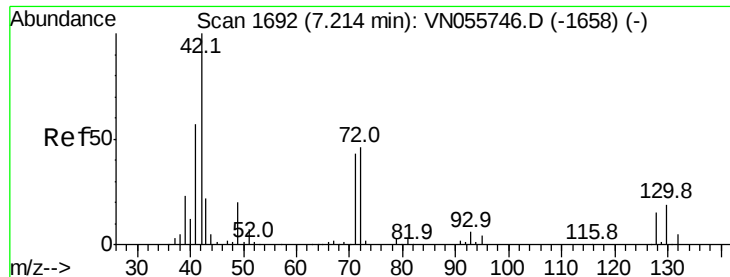


Abundance Ion 48.90 (48.60 to 49.60): VN055746.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055746.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055746.D (-1665) (-)

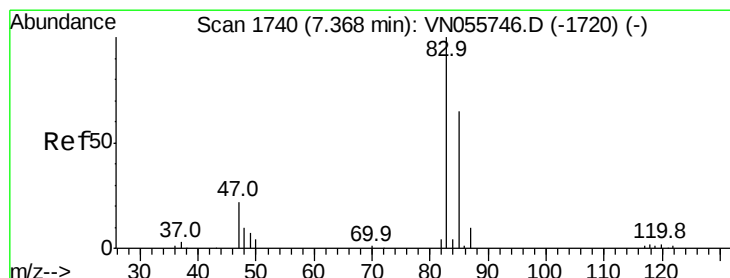
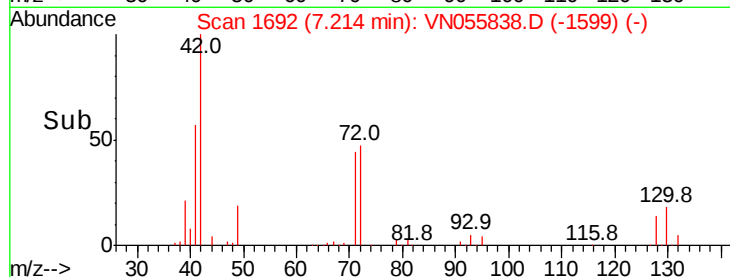
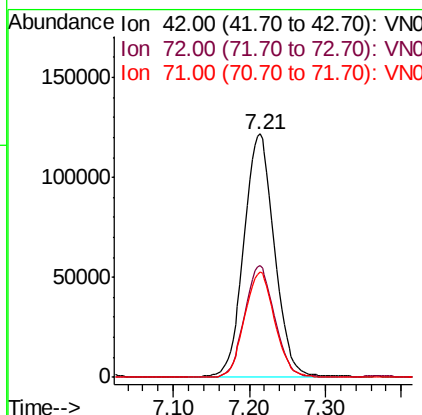
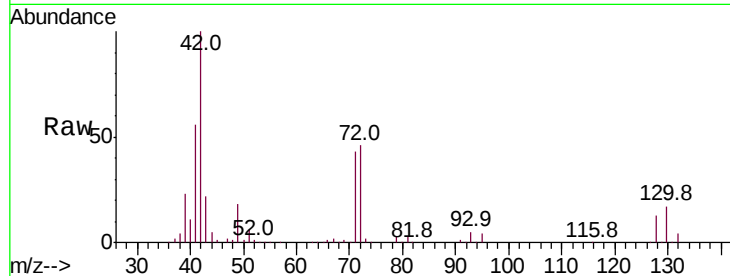




#29
Tetrahydrofuran
Concen: 219.516 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

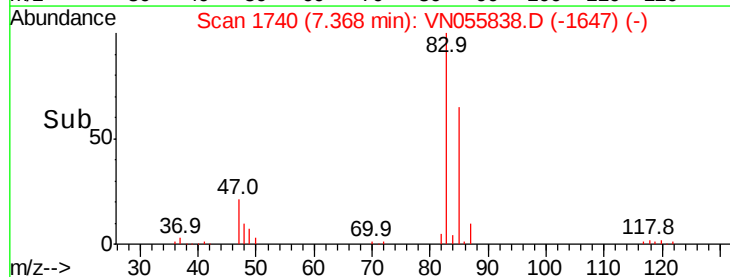
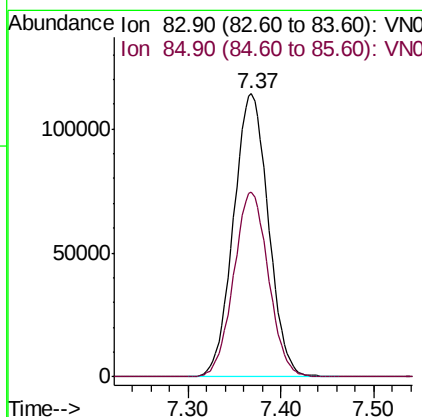
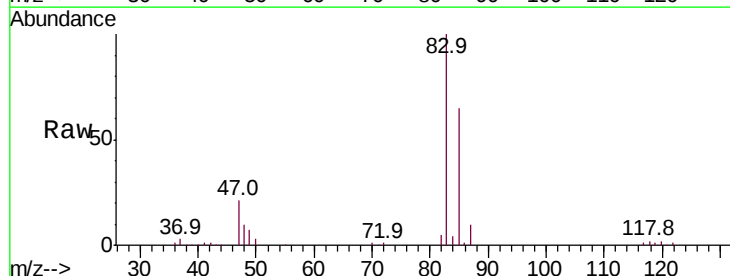
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

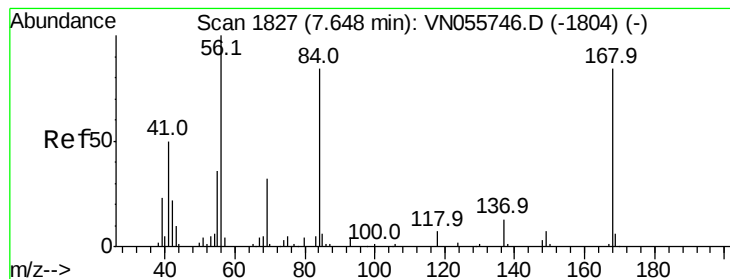
Tot Ion: 42 Resp: 340051
Ion Ratio Lower Upper
42 100
72 45.3 35.9 53.9
71 43.0 34.0 51.0



#30
Chloroform
Concen: 46.967 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion: 83 Resp: 298380
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.8





#31

Cyclohexane

Concen: 45.887 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

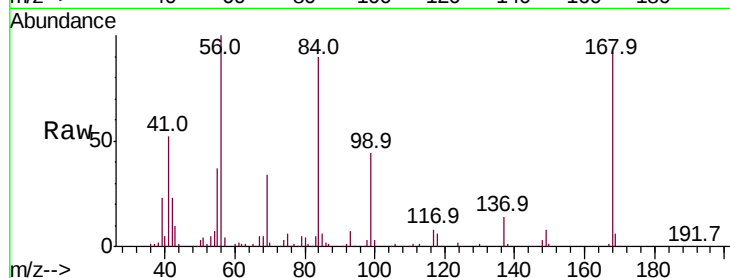
Tot Ion: 56 Resp: 274441

Ion Ratio Lower Upper

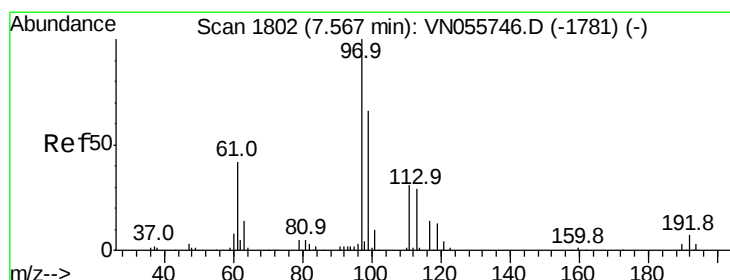
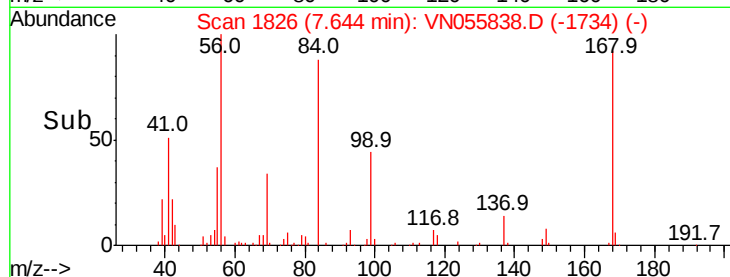
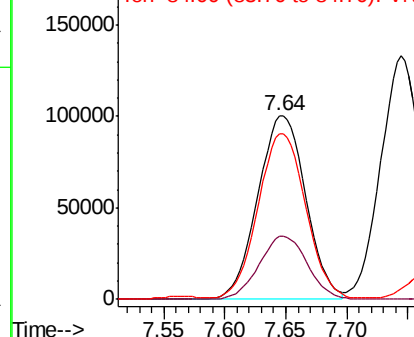
56 100

69 34.1 25.6 38.4

84 89.0 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 46.598 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

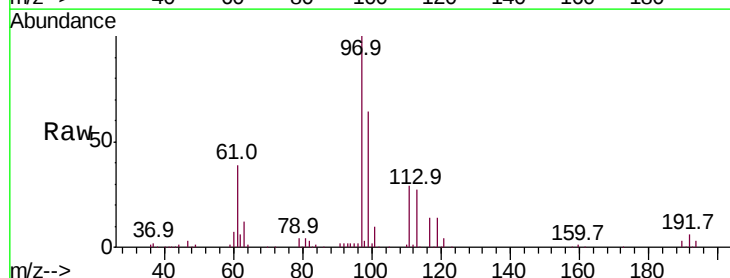
Tgt Ion: 97 Resp: 264172

Ion Ratio Lower Upper

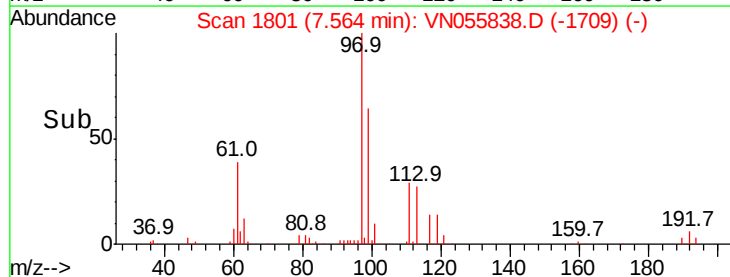
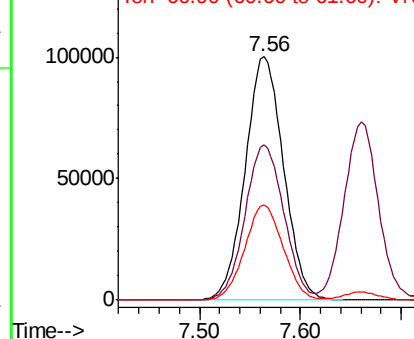
97 100

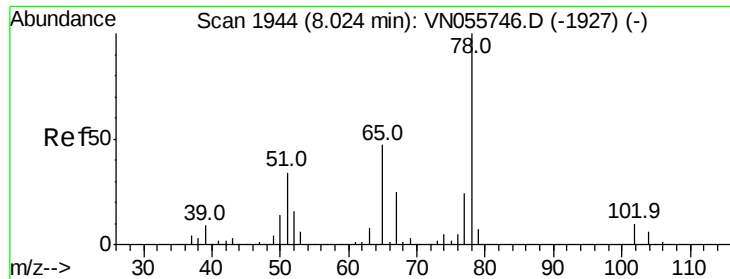
99 64.6 52.0 78.0

61 39.5 32.9 49.3



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

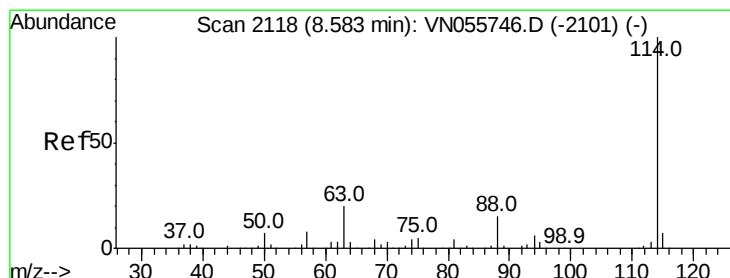
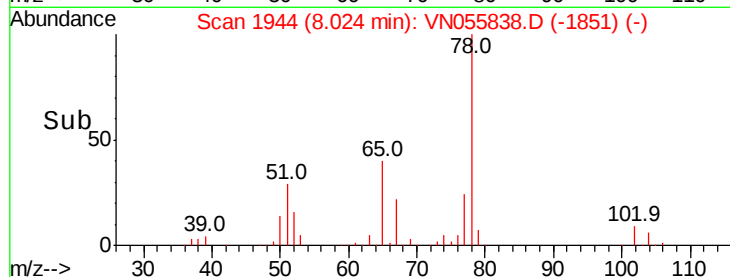
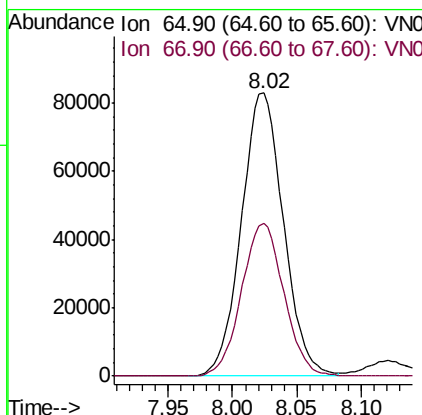
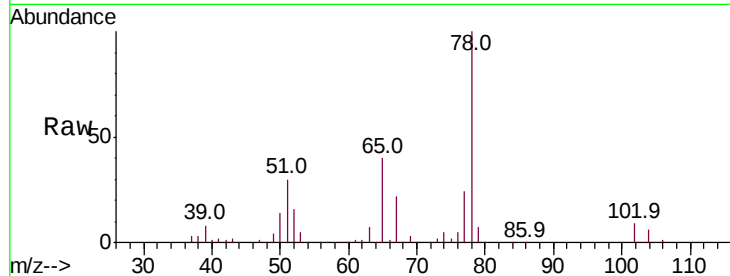




#33
 1,2-Dichloroethane-d4
 Concen: 47.368 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

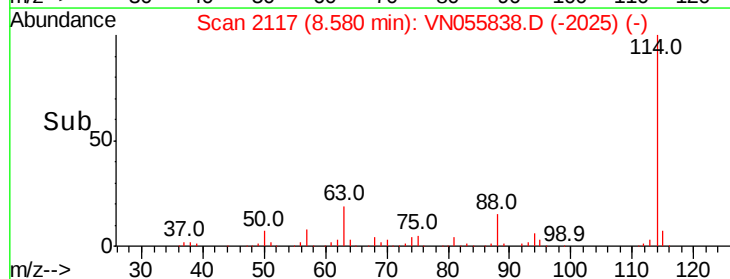
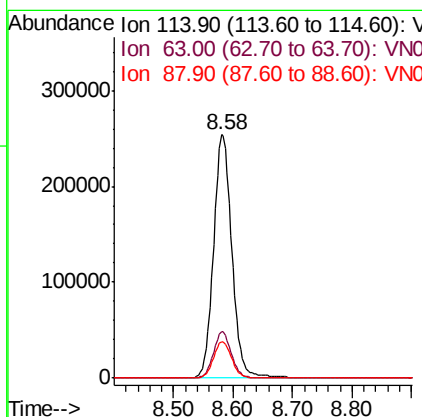
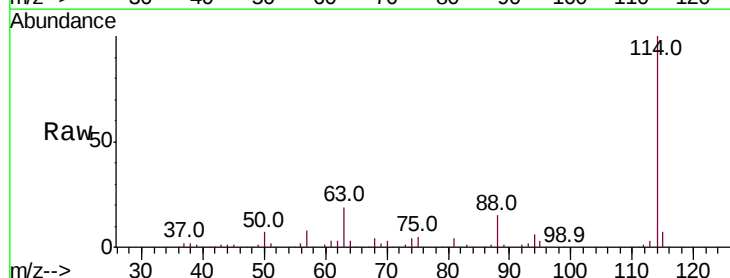
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 188743
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

Tgt Ion: 114 Resp: 541357
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 14.9 0.0 31.0

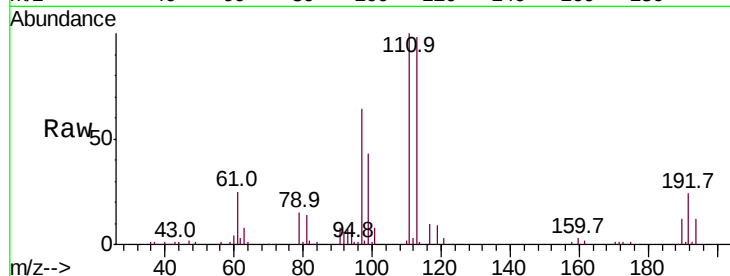




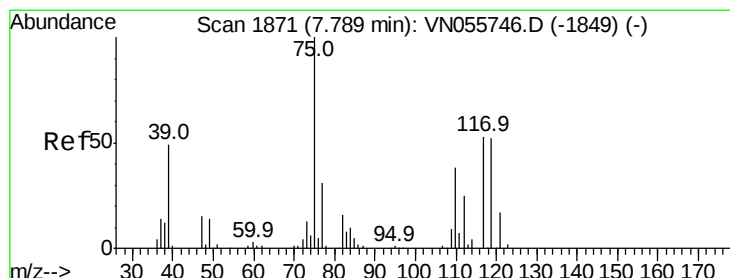
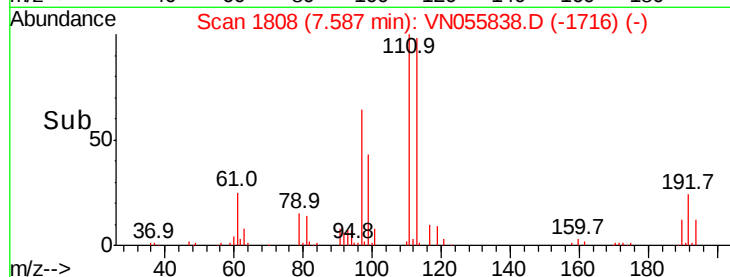
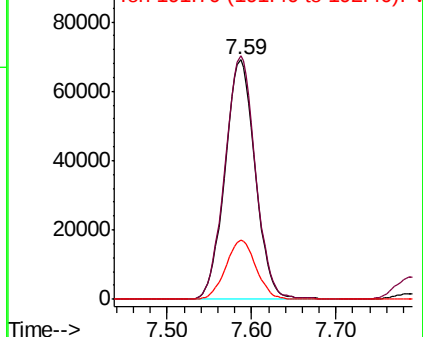
#35
 Dibromofluoromethane
 Concen: 50.278 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 172084
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 24.7 19.5 29.3

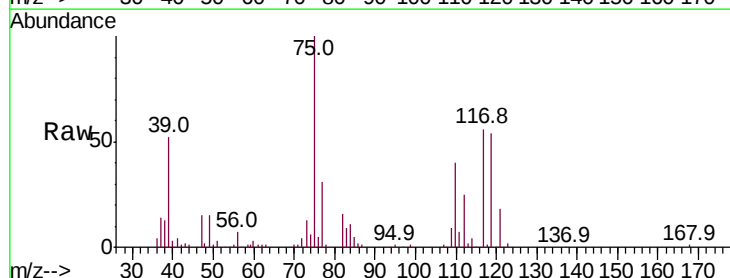


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

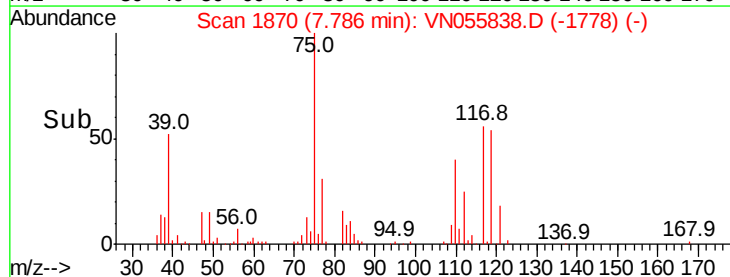
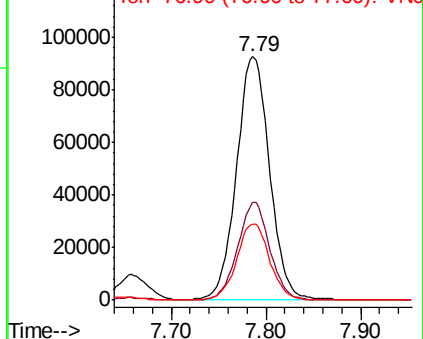


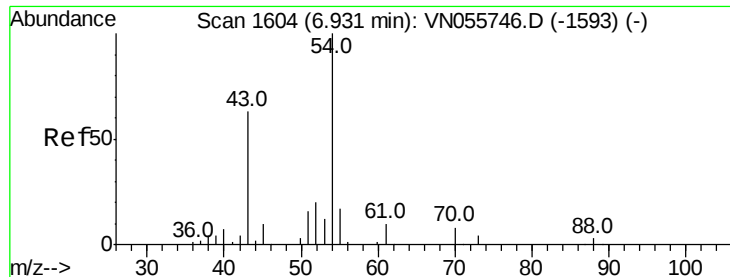
#36
 1,1-Dichloropropene
 Concen: 47.417 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

Tgt Ion: 75 Resp: 223697
 Ion Ratio Lower Upper
 75 100
 110 39.4 19.0 57.0
 77 31.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

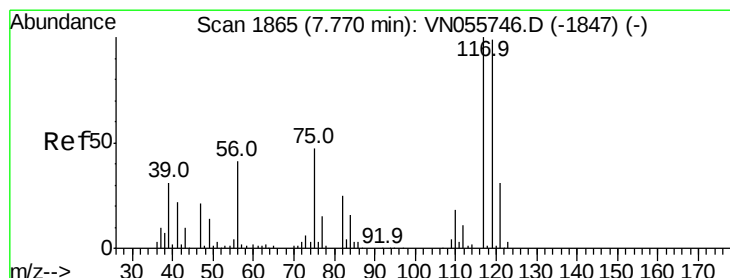
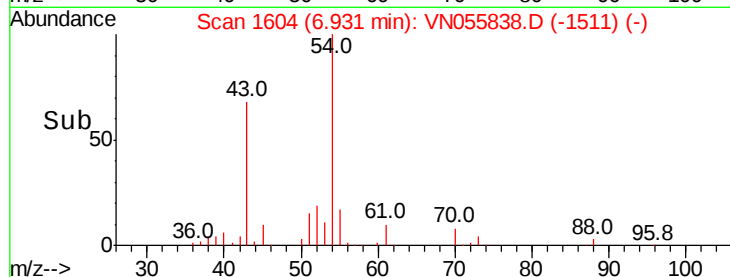
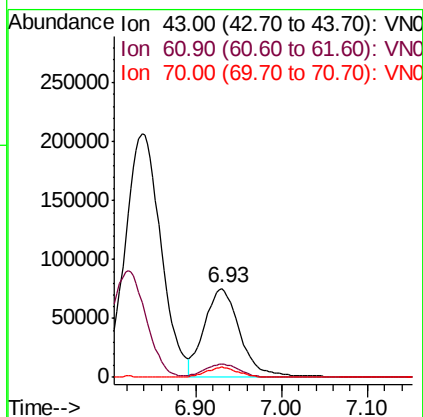
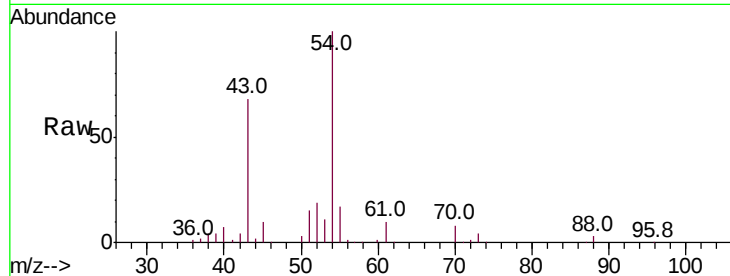




#37
Ethyl Acetate
Concen: 47.117 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

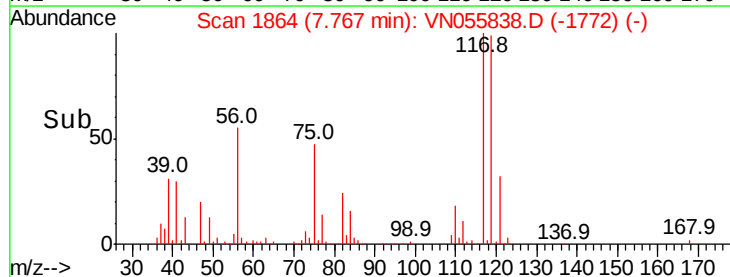
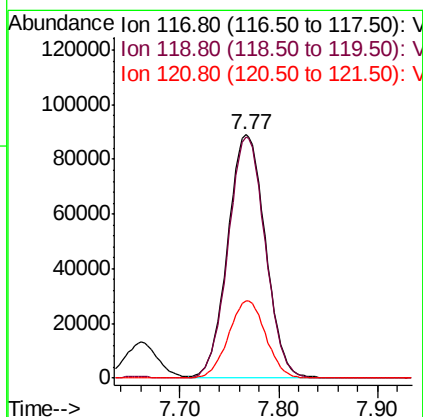
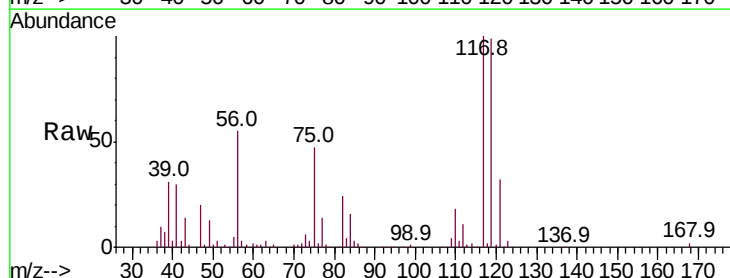
Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

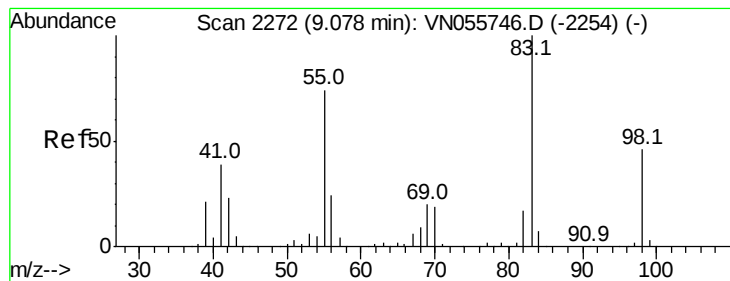
Tot Ion: 43 Resp: 214840
Ion Ratio Lower Upper
43 100
61 14.2 12.2 18.2
70 10.6 8.9 13.3



#38
Carbon Tetrachloride
Concen: 47.775 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion: 117 Resp: 234774
Ion Ratio Lower Upper
117 100
119 99.0 79.0 118.6
121 31.6 24.7 37.1

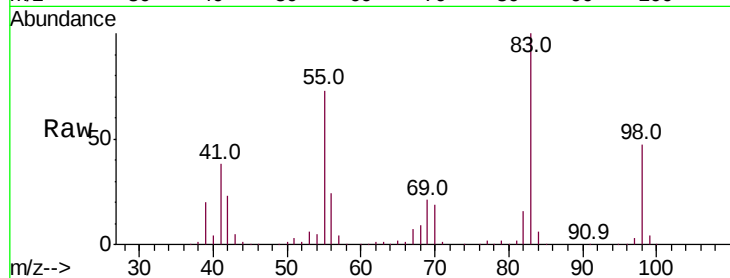




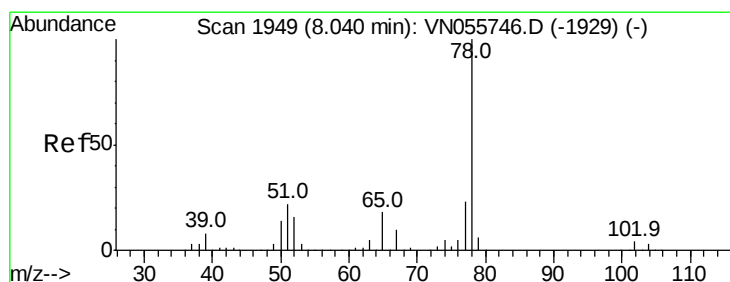
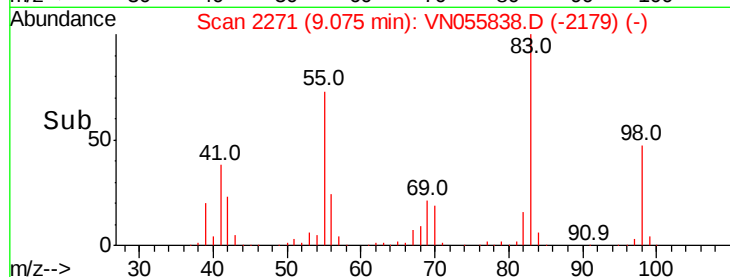
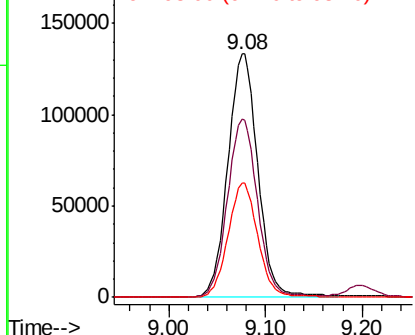
#39
Methvlcvclohexane
Concen: 49.174 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 287279
Ion Ratio Lower Upper
83 100
55 73.5 59.3 88.9
98 47.2 36.6 54.8

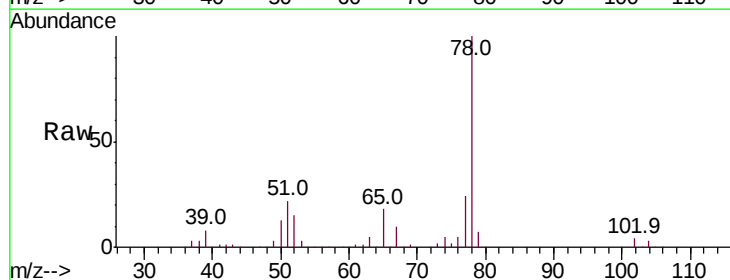


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

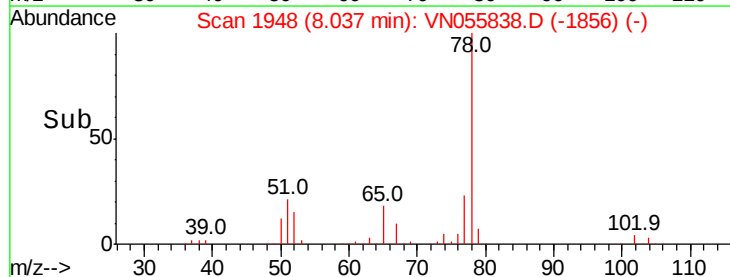
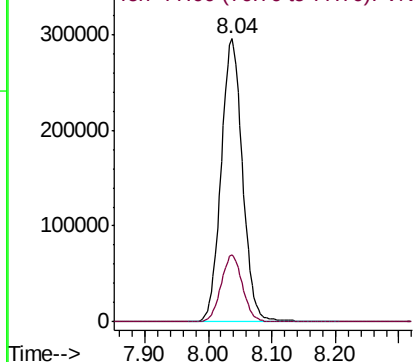


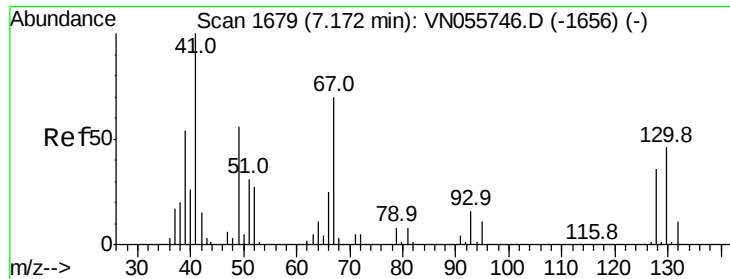
#40
Benzene
Concen: 48.599 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion: 78 Resp: 691000
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



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

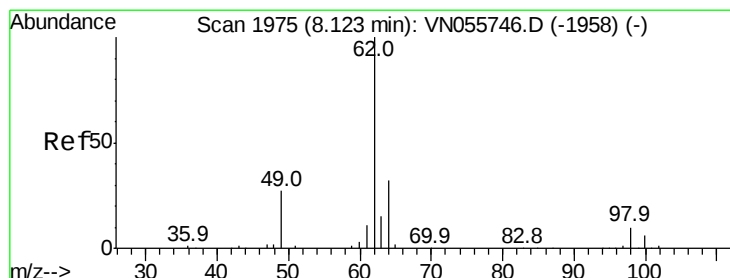
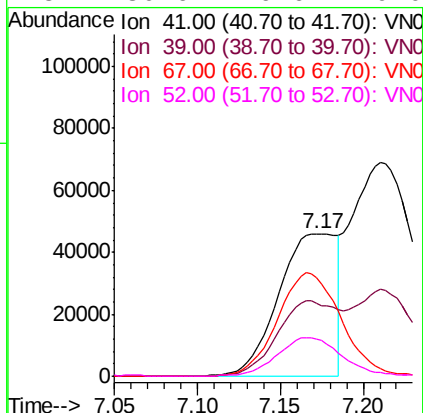
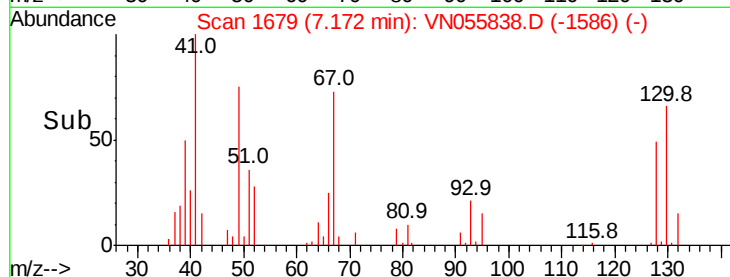
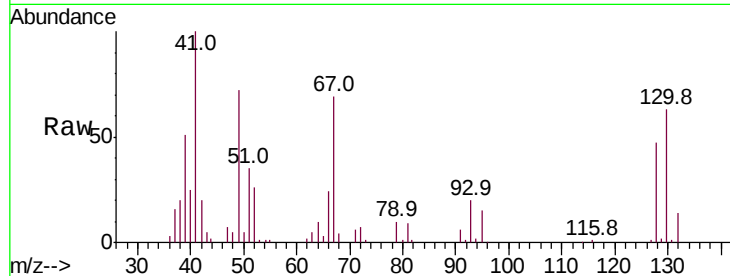




#41
Methacrylonitrile
Concen: 48.851 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

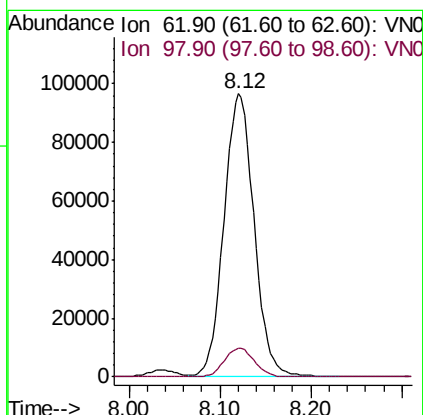
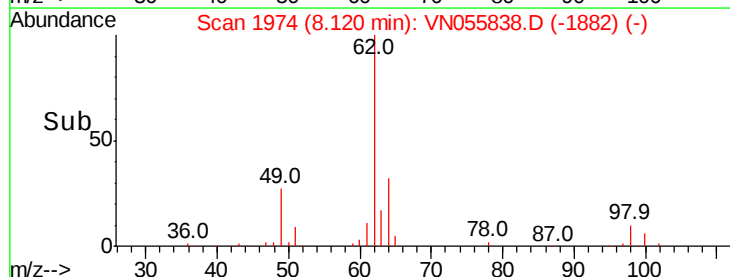
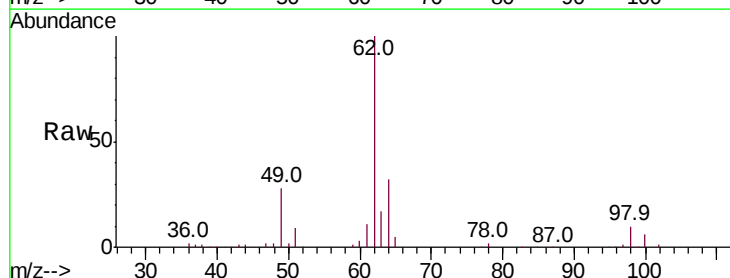
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

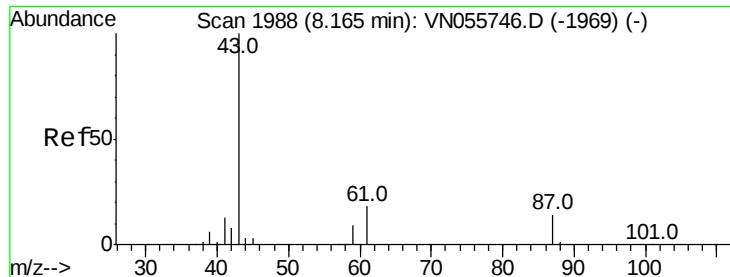
Tot Ion:	41	Resp:	112531
Ion	Ratio	Lower	Upper
41	100		
39	55.5	45.6	68.4
67	80.3	67.7	101.5
52	30.6	26.6	40.0



#42
1,2-Dichloroethane
Concen: 47.454 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion:	62	Resp:	220474
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 46.038 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

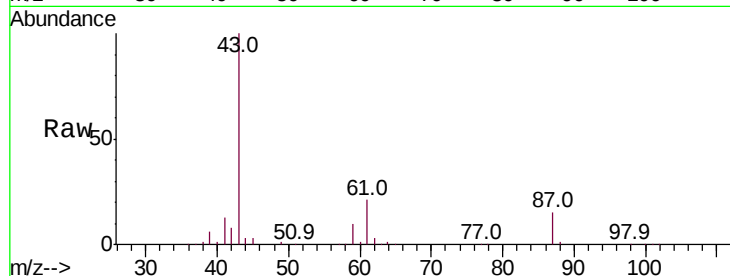
Tot Ion: 43 Resp: 352699

Ion Ratio Lower Upper

43 100

61 21.7 22.2 33.4#

87 14.7 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

8.16

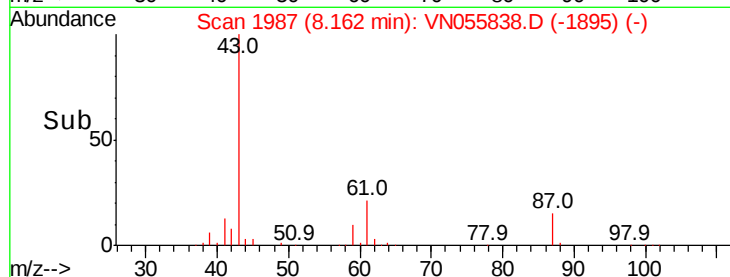
150000

100000

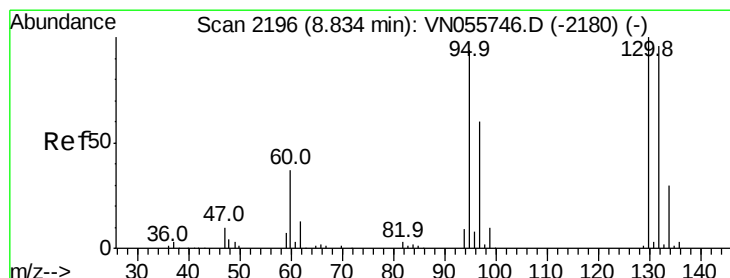
50000

0

Time-->



Time-->



#44

Trichloroethene

Concen: 50.810 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055838.D

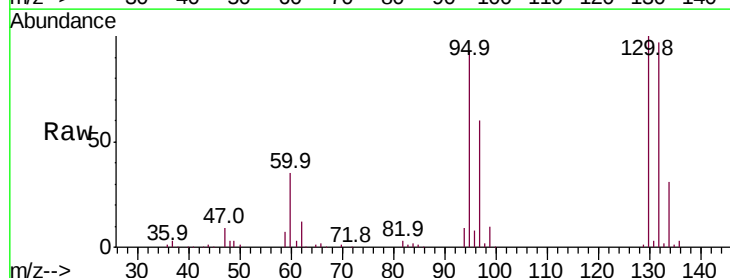
Acq: 28 May 2019 8:57

Tgt Ion:130 Resp: 201400

Ion Ratio Lower Upper

130 100

95 92.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

8.83

100000

80000

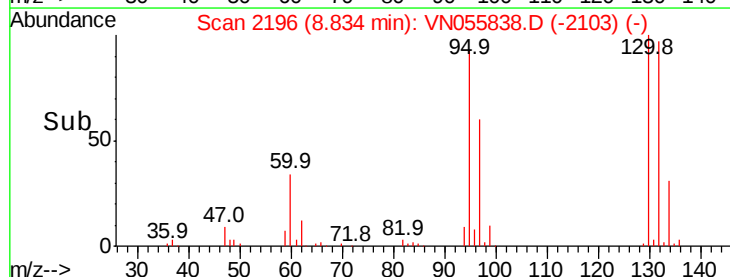
60000

40000

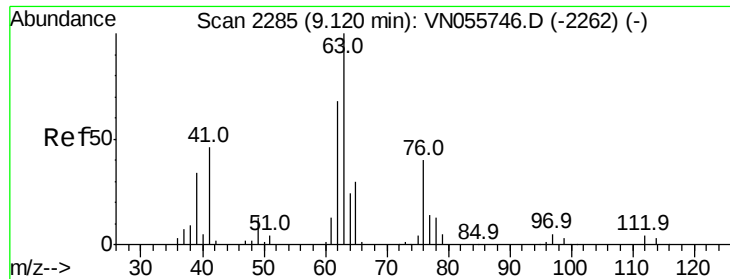
20000

0

Time-->



Time-->



#45

1,2-Dichloropropane

Concen: 49.396 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

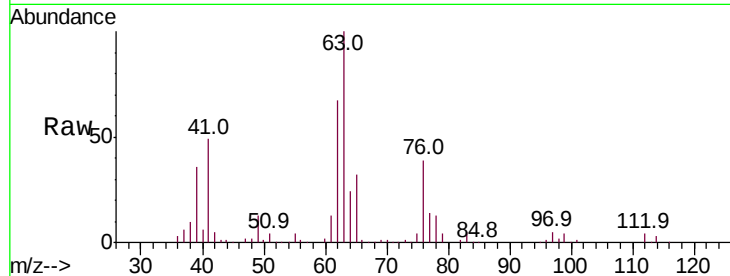
VSTDCCC050

Tot Ion: 63 Resp: 182986

Ion Ratio Lower Upper

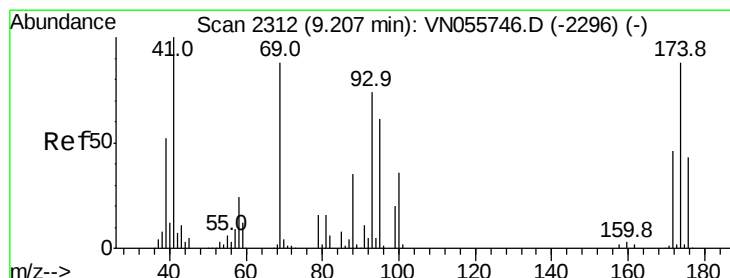
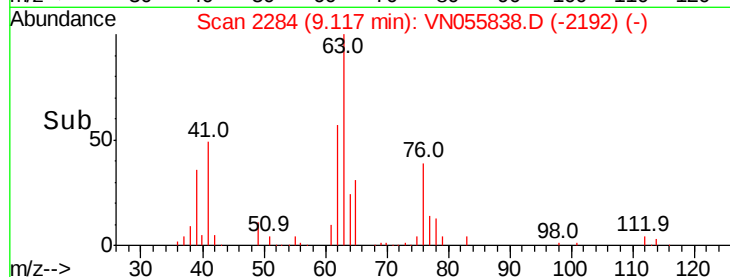
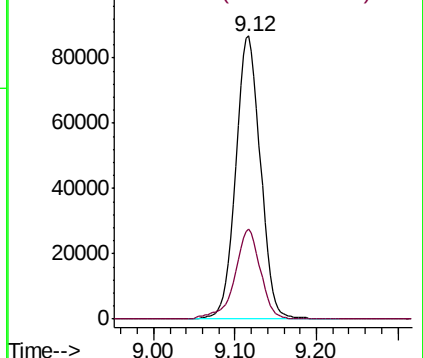
63 100

65 31.6 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.964 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

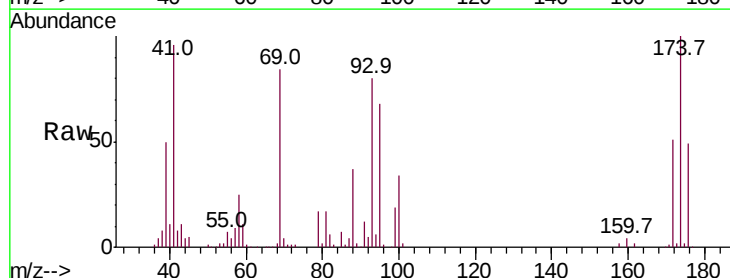
Tgt Ion: 93 Resp: 118955

Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

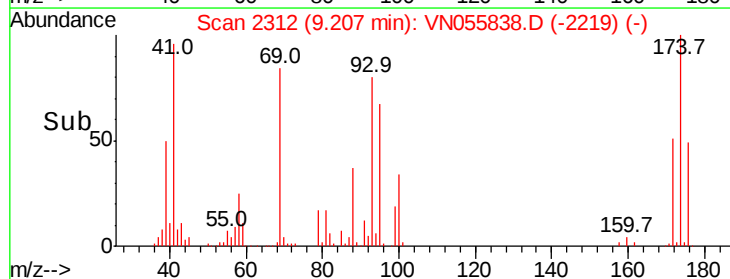
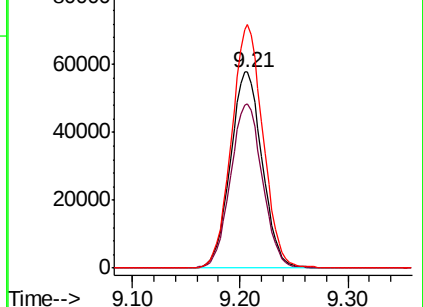
174 122.3 96.4 144.6

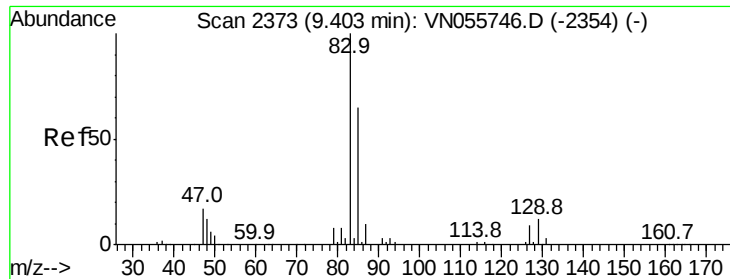


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.109 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

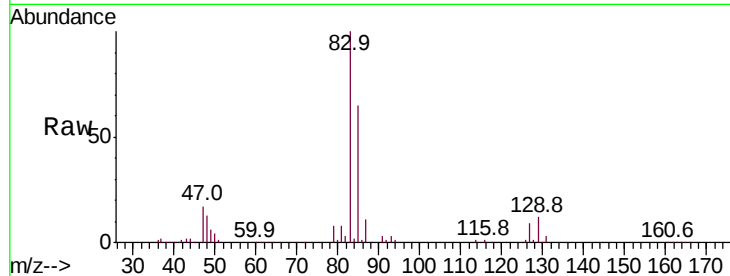
Tot Ion: 83 Resp: 239660

Ion Ratio Lower Upper

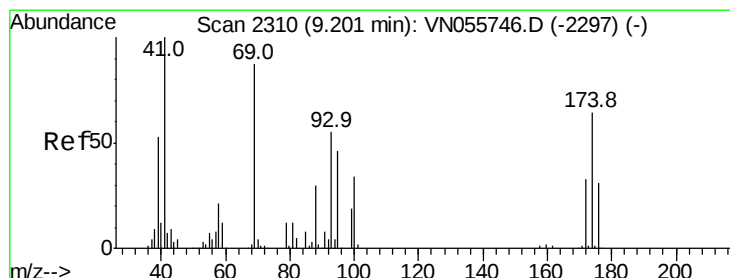
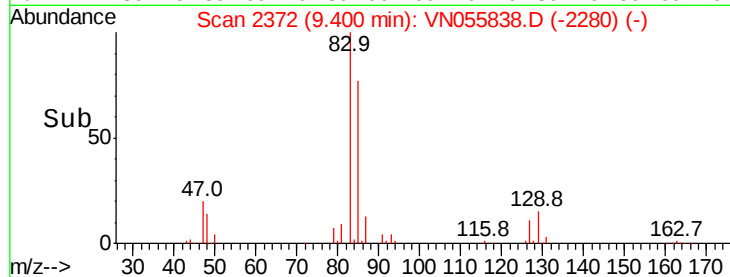
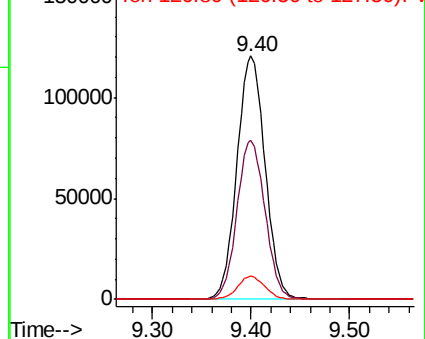
83 100

85 65.3 52.2 78.2

127 9.5 7.4 11.0



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



#48

Methyl methacrylate

Concen: 46.939 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

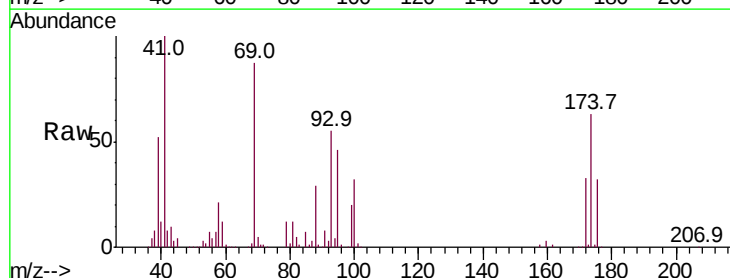
Tgt Ion: 41 Resp: 165730

Ion Ratio Lower Upper

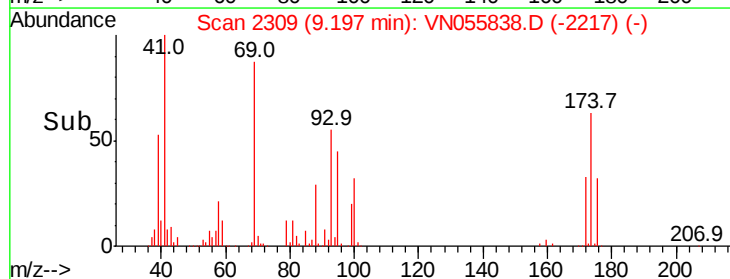
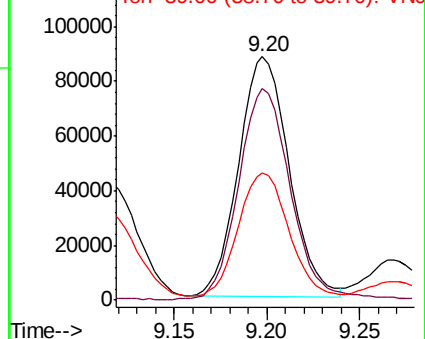
41 100

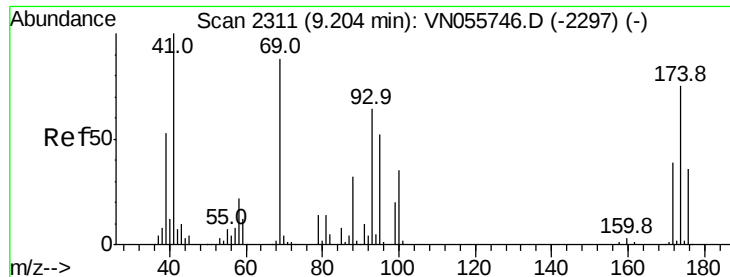
69 91.0 71.0 106.6

39 54.8 44.2 66.2



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





#49

1,4-Dioxane

Concen: 928.209 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

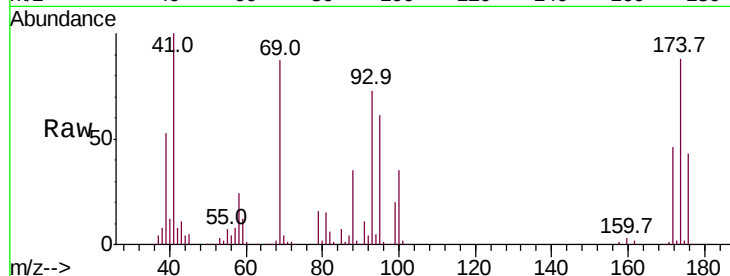
Tot Ion: 88 Resp: 68105

Ion Ratio Lower Upper

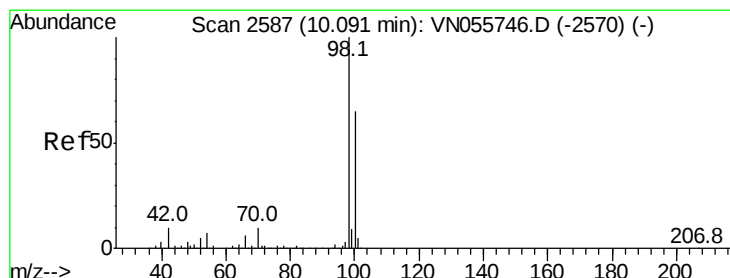
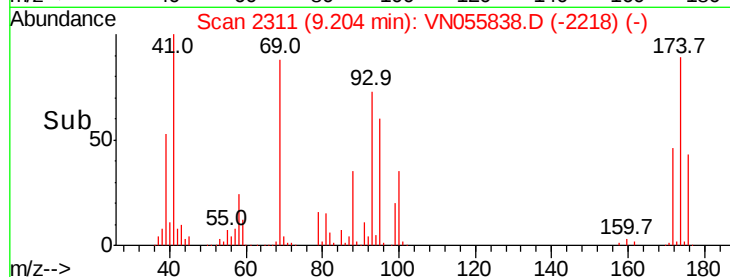
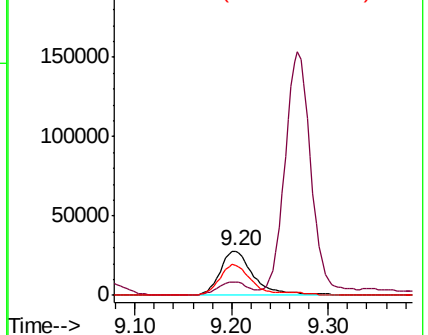
88 100

43 25.6 20.5 30.7

58 69.9 55.8 83.6



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



#50

Toluene-d8

Concen: 49.917 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055838.D

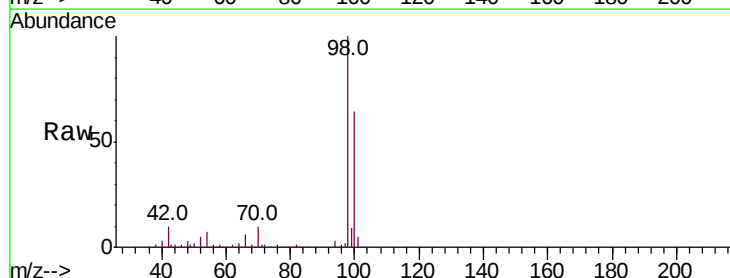
Acq: 28 May 2019 8:57

Tgt Ion: 98 Resp: 655356

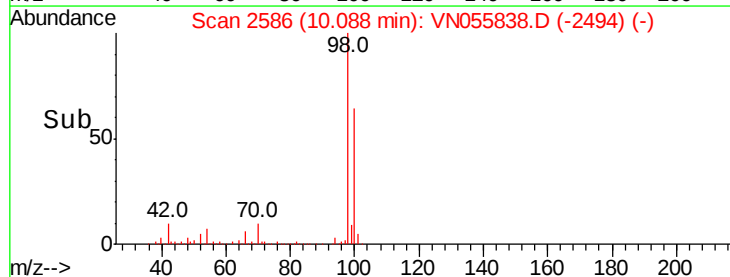
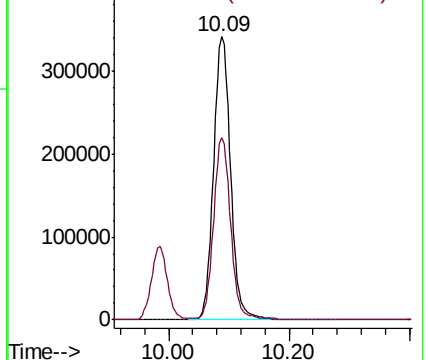
Ion Ratio Lower Upper

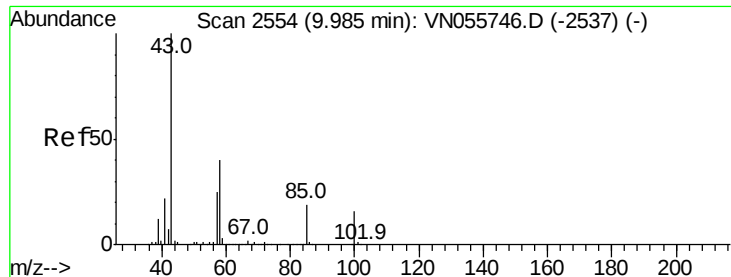
98 100

100 64.4 51.9 77.9



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

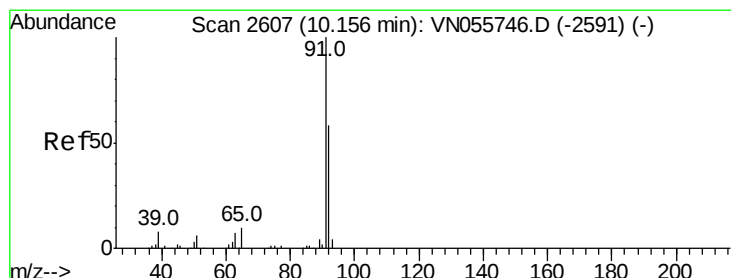
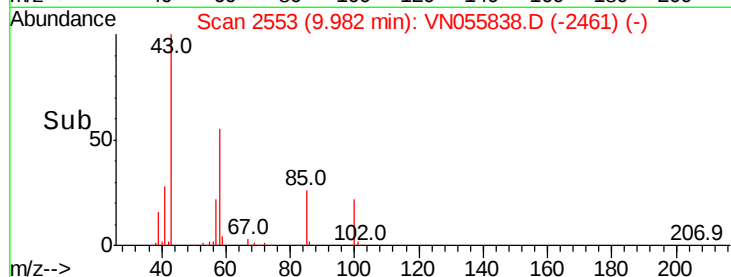
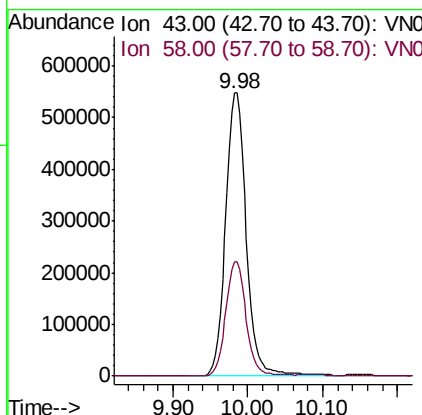
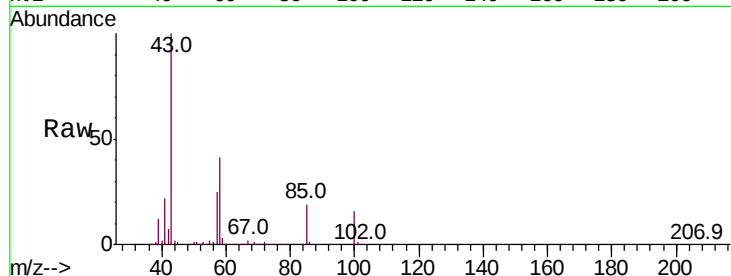




#51
4-Methyl-2-Pentanone
Concen: 230.552 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

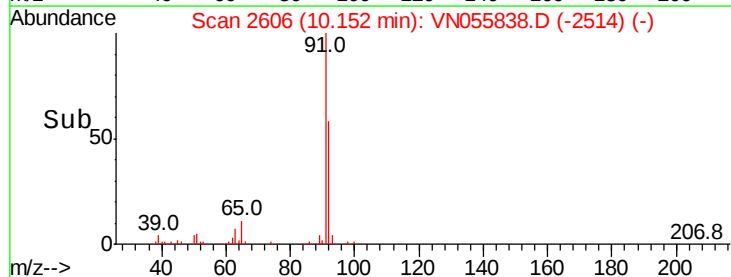
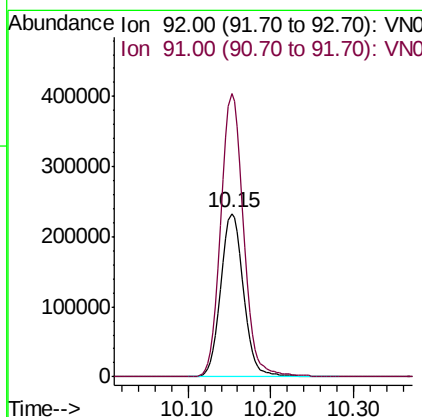
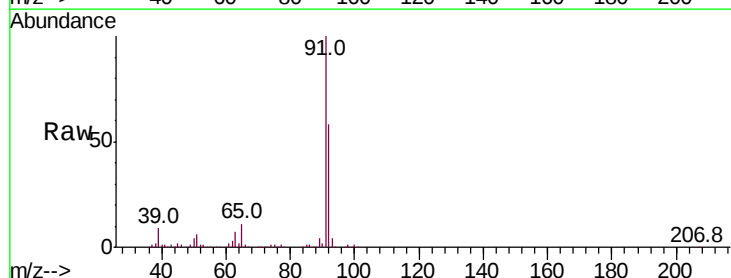
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

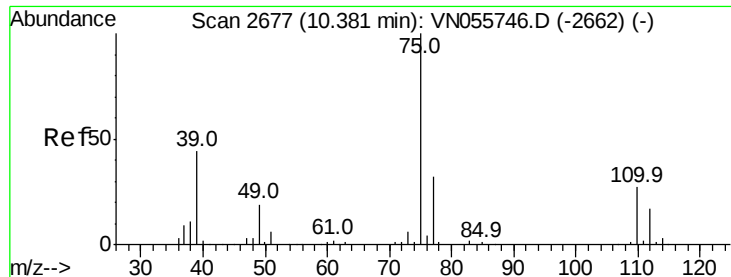
Tot Ion: 43 Resp: 1043155
Ion Ratio Lower Upper
43 100
58 40.1 32.1 48.1



#52
Toluene
Concen: 49.686 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion: 92 Resp: 444307
Ion Ratio Lower Upper
92 100
91 173.1 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 49.347 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

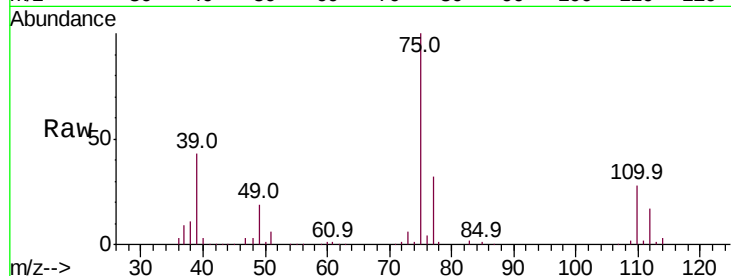
VSTDCCC050

Tot Ion: 75 Resp: 262400

Ion Ratio Lower Upper

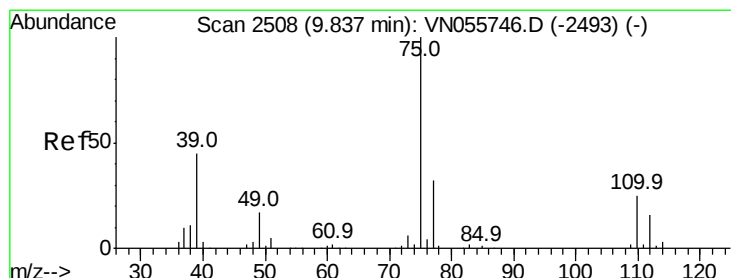
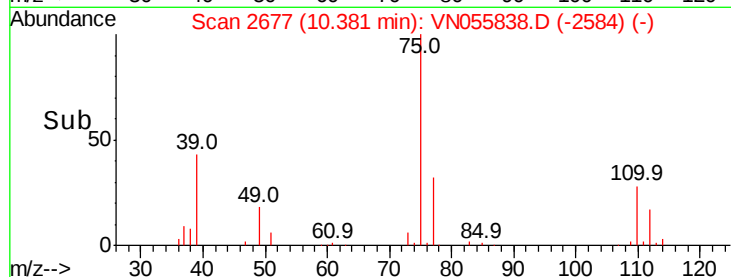
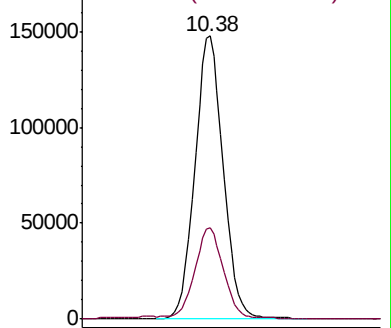
75 100

77 32.0 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.982 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

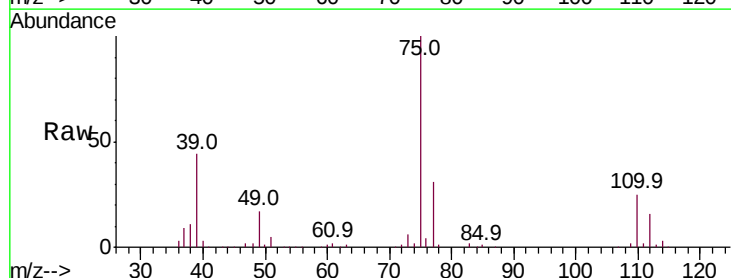
Tgt Ion: 75 Resp: 294429

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

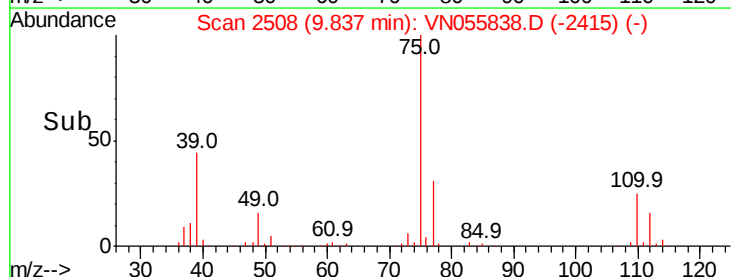
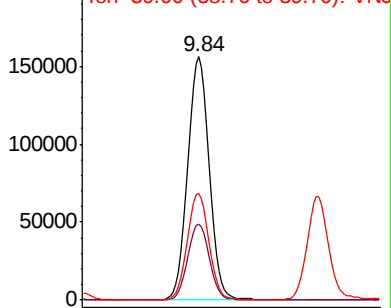
39 43.9 36.3 54.5

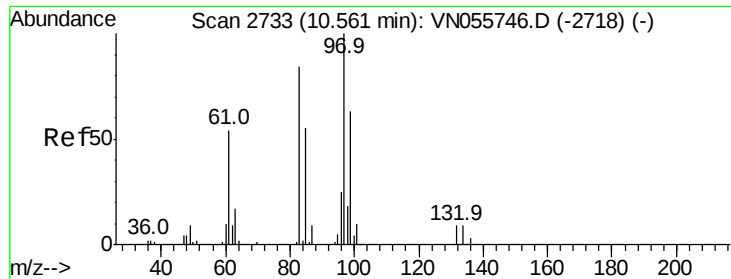


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

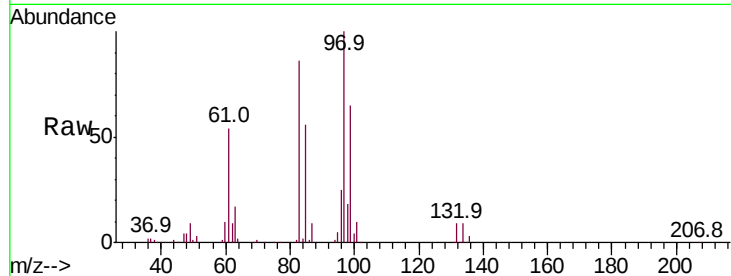




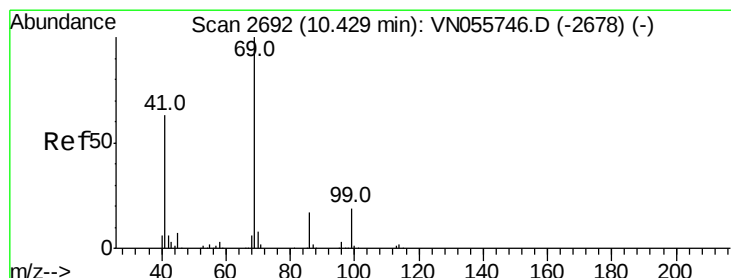
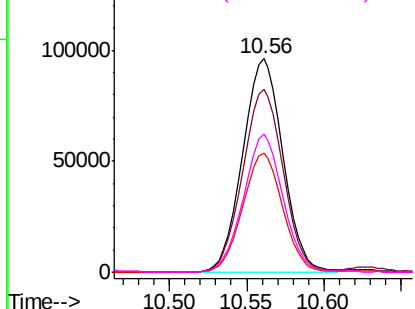
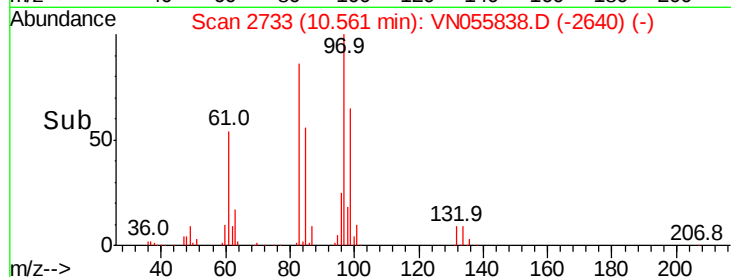
#55
 1,1,2-Trichloroethane
 Concen: 48.828 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	174920
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.0	100.6
85	55.7	44.0	66.0
99	64.5	50.6	75.8

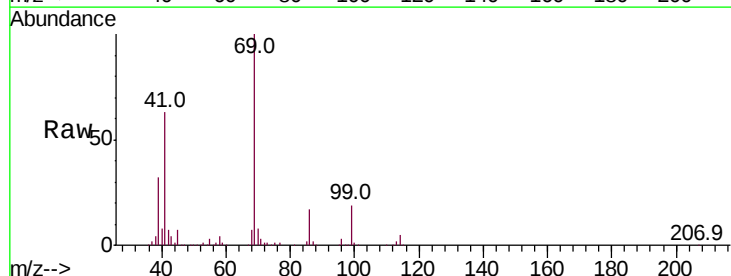


Abundance Ion 96.90 (96.60 to 97.60): VNO
 150000 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

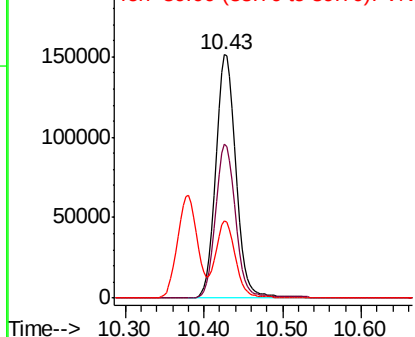
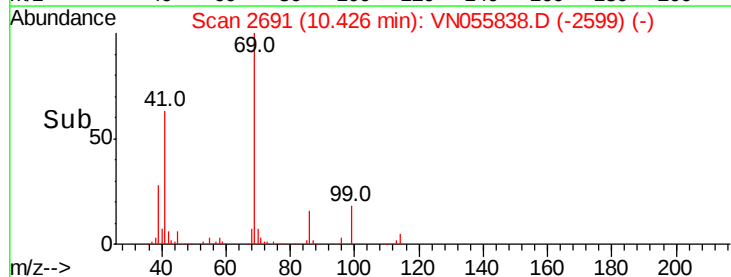


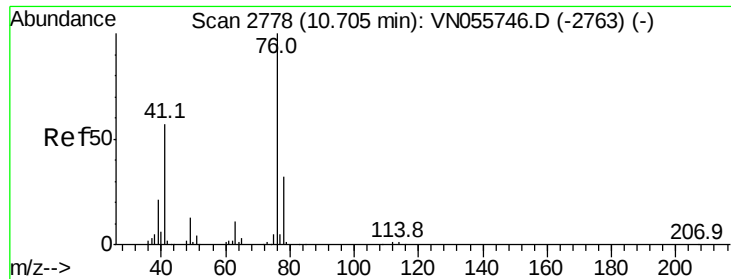
#56
 Ethyl methacrylate
 Concen: 48.325 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

Tgt Ion:	69	Resp:	267551
Ion	Ratio	Lower	Upper
69	100		
41	62.2	49.7	74.5
39	30.8	24.7	37.1



Abundance Ion 69.00 (68.70 to 69.70): VNO
 200000 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 49.071 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

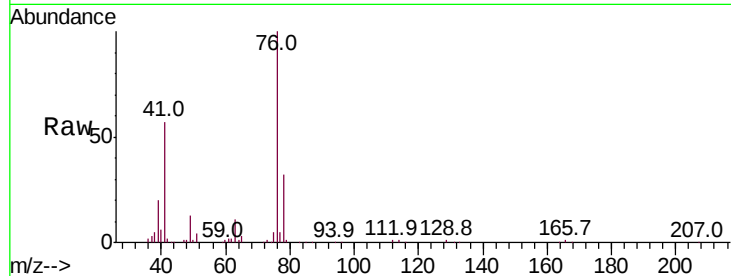
VSTDCCC050

Tot Ion: 76 Resp: 285743

Ion Ratio Lower Upper

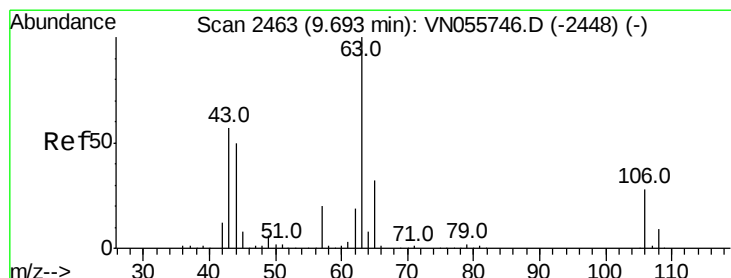
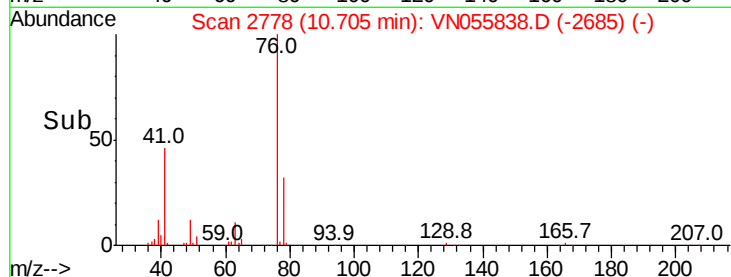
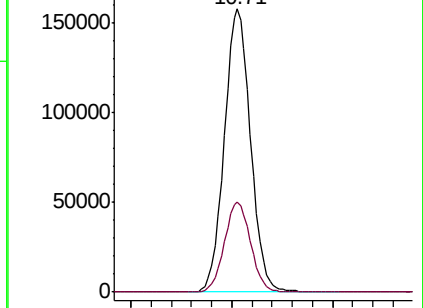
76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 229.831 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055838.D

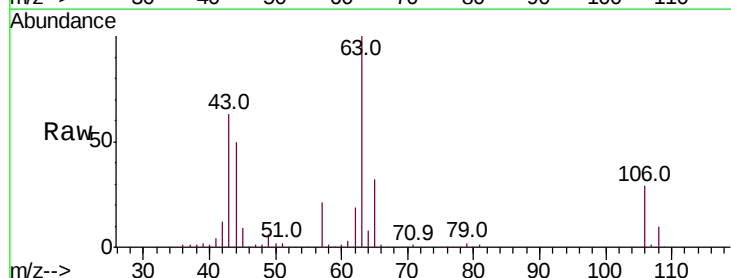
Acq: 28 May 2019 8:57

Tgt Ion: 63 Resp: 486277

Ion Ratio Lower Upper

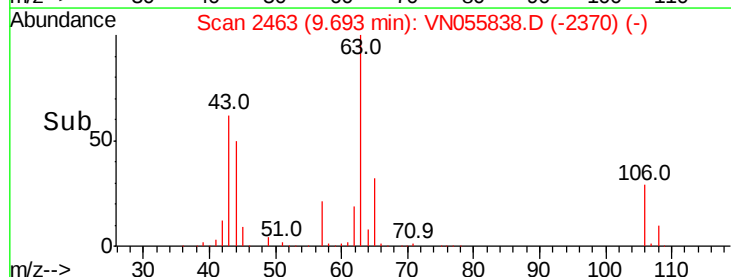
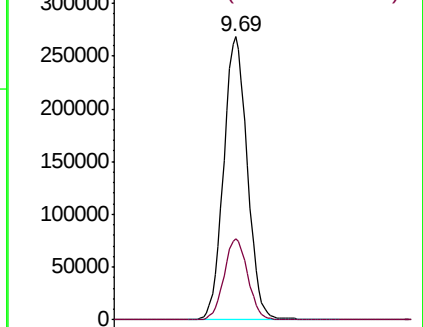
63 100

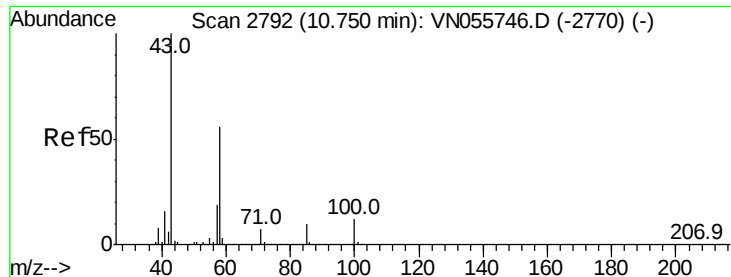
106 28.6 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

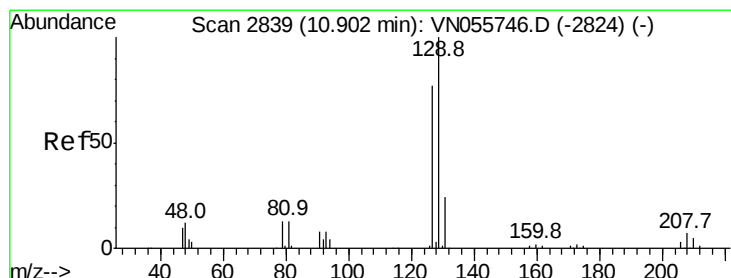
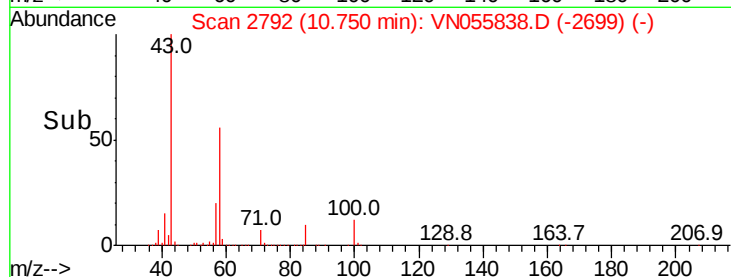
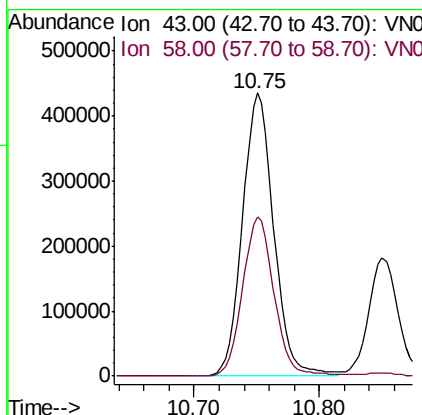
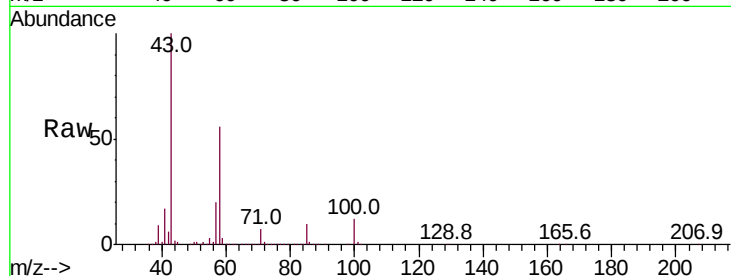




#59
2-Hexanone
Concen: 234.978 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

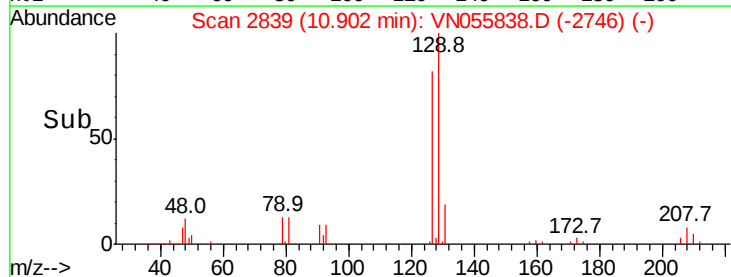
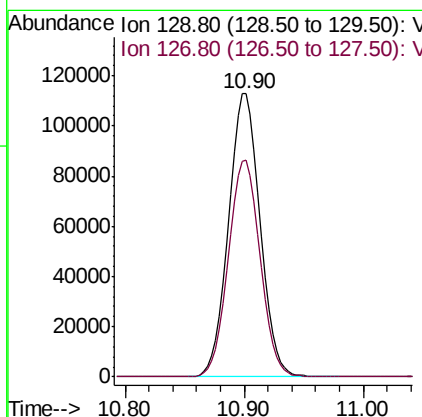
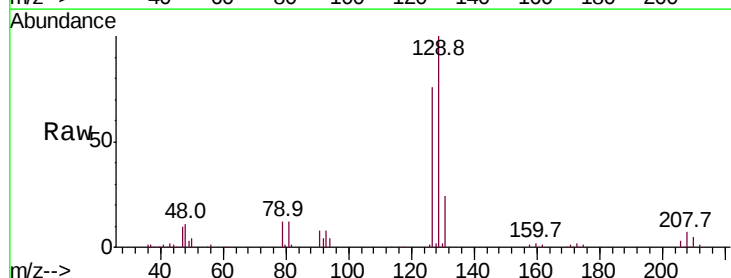
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

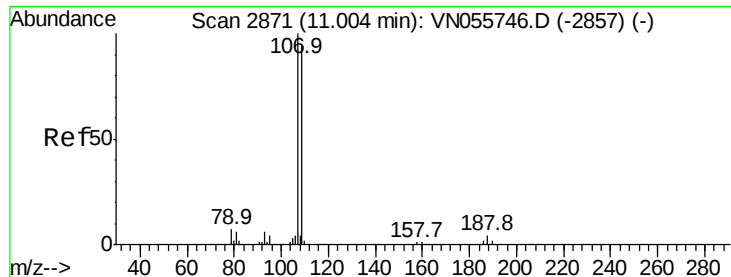
Tot Ion: 43 Resp: 754232
Ion Ratio Lower Upper
43 100
58 56.8 28.2 84.7



#60
Dibromochloromethane
Concen: 49.625 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion: 129 Resp: 207098
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3

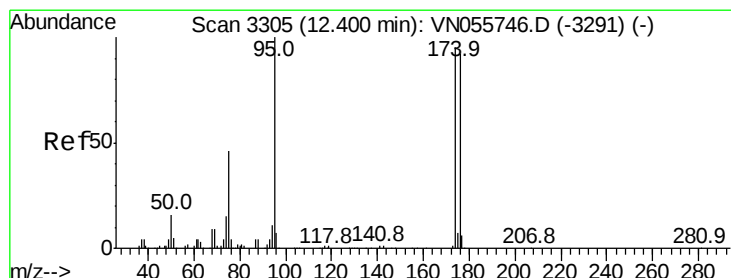
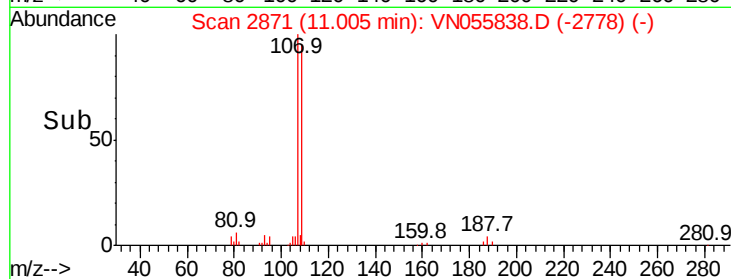
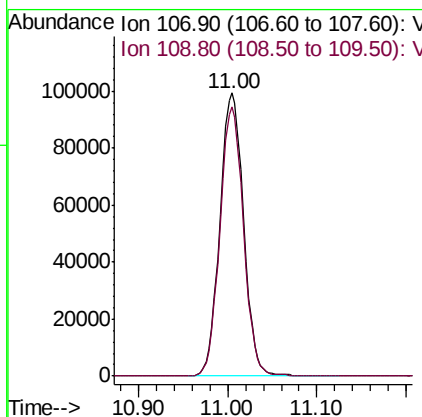
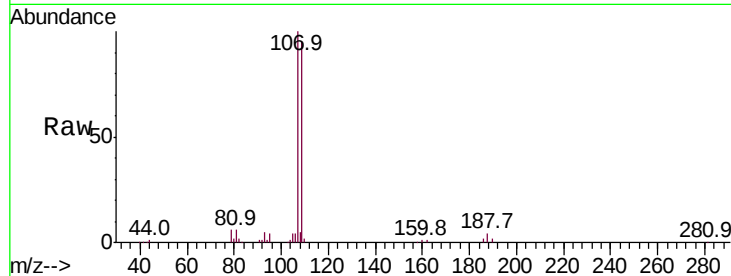




#61
 1,2-Dibromoethane
 Concen: 49.161 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

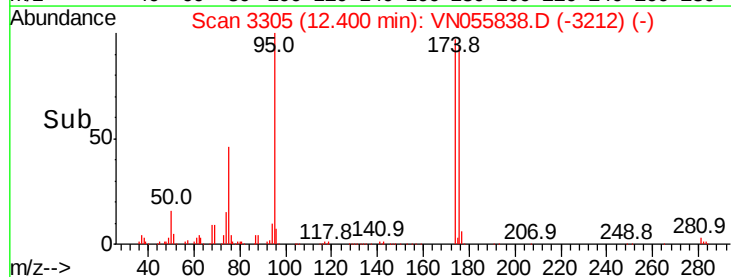
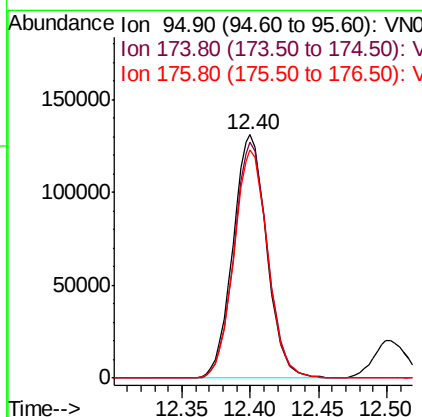
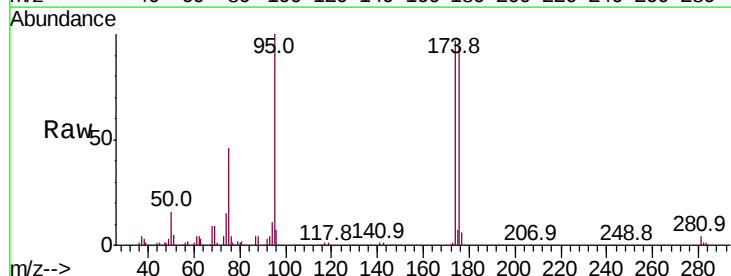
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

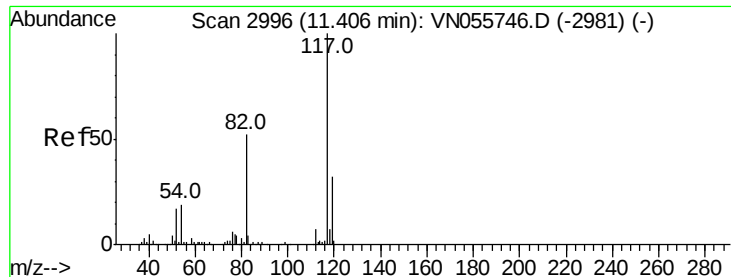
Tot Ion:107 Resp: 182672
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 49.970 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

Tgt Ion: 95 Resp: 224952
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 191.0
 176 94.1 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

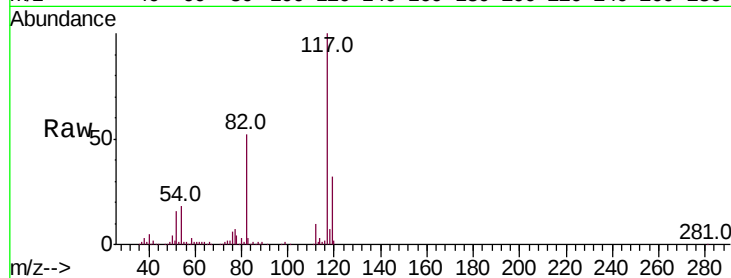
Tot Ion:117 Resp: 484066

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

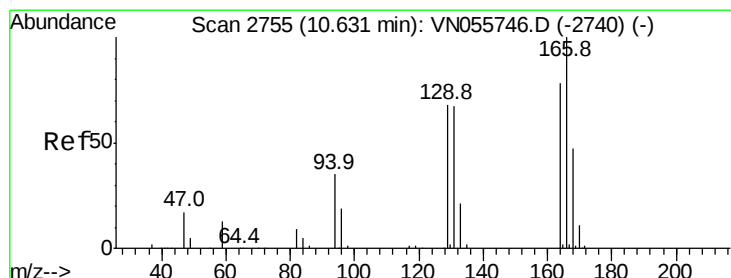
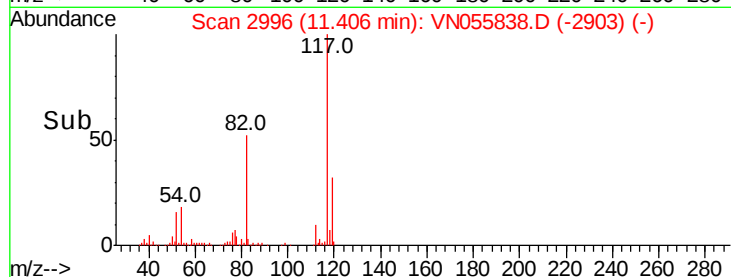
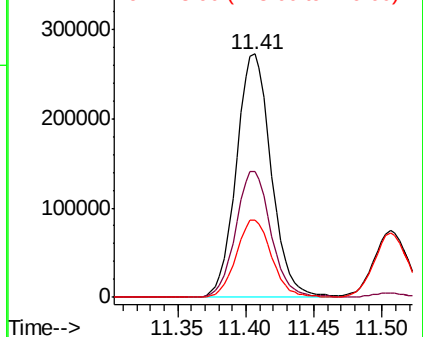
119 31.9 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.166 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Tgt Ion:164 Resp: 204812

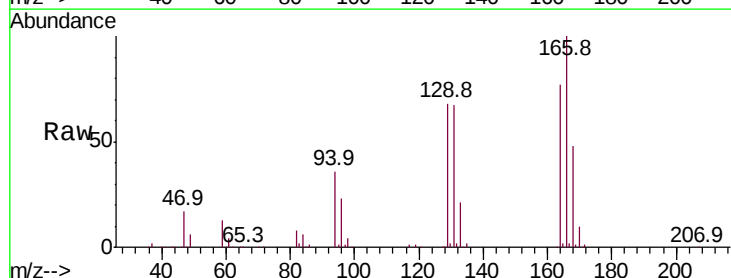
Ion Ratio Lower Upper

164 100

166 129.9 103.0 154.6

129 88.8 70.6 105.8

131 87.4 68.6 102.8

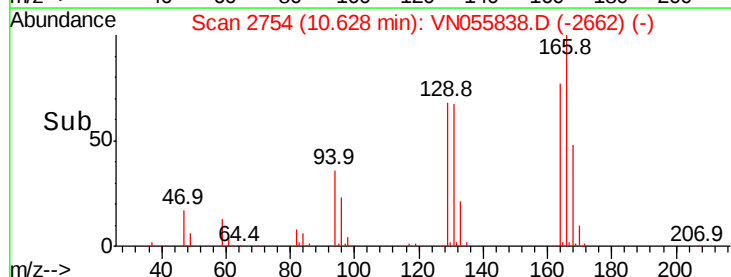
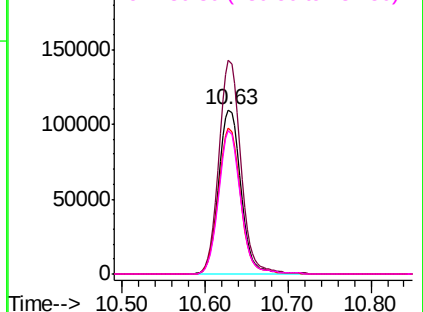


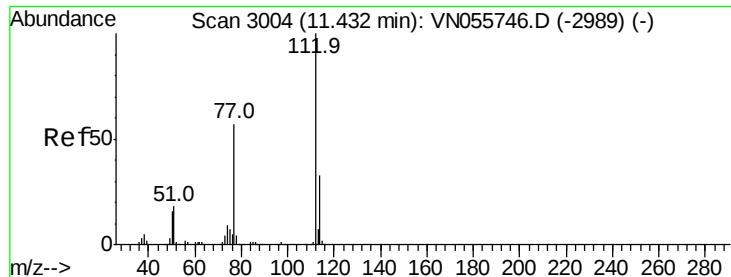
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.720 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

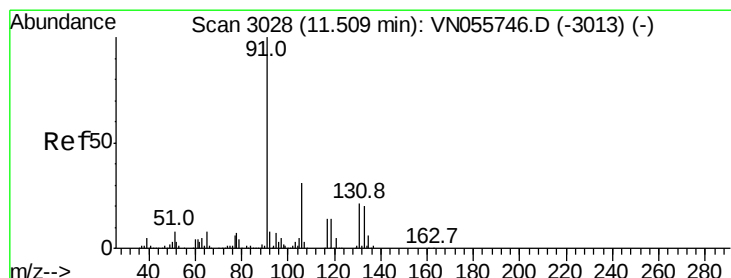
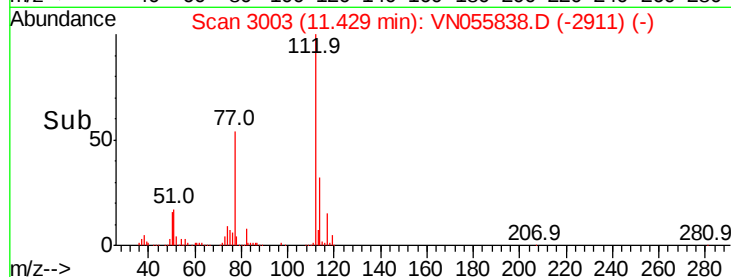
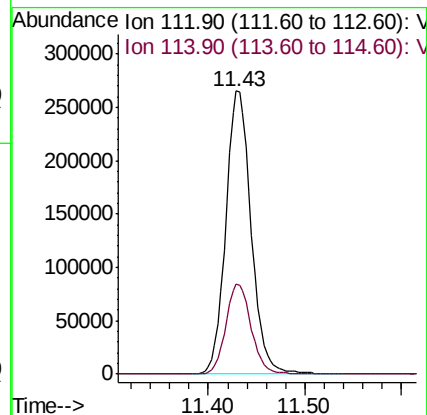
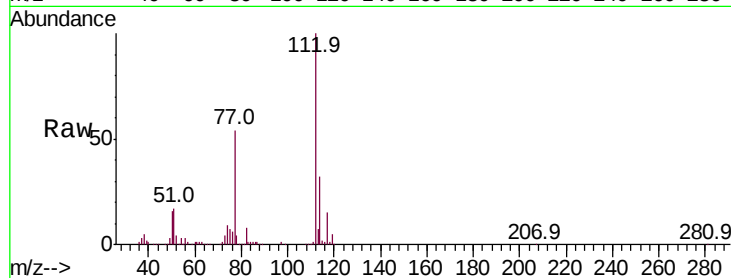
VSTDCCC050

Tot Ion:112 Resp: 481810

Ion Ratio Lower Upper

112 100

114 31.6 26.2 39.4



#66

1,1,1,2-Tetrachloroethane

Concen: 48.573 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

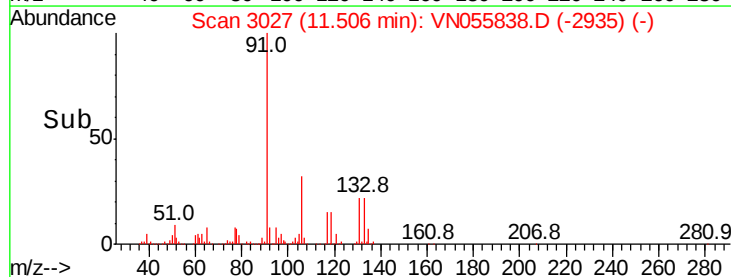
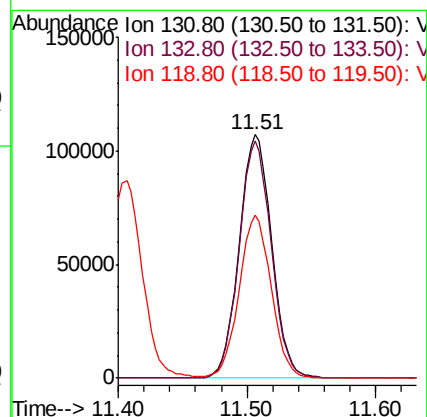
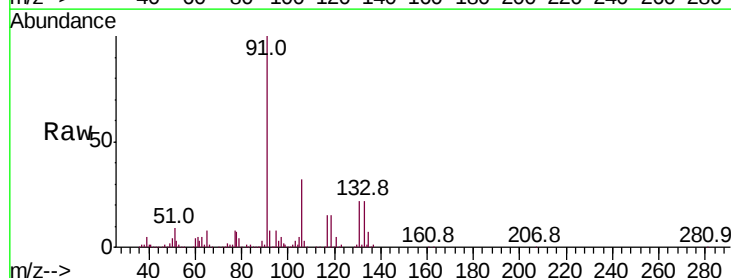
Tgt Ion:131 Resp: 187731

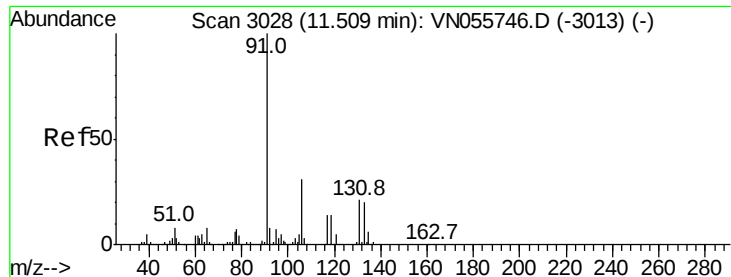
Ion Ratio Lower Upper

131 100

133 96.4 48.0 144.0

119 66.2 33.1 99.5





#67

Ethyl Benzene

Concen: 48.491 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

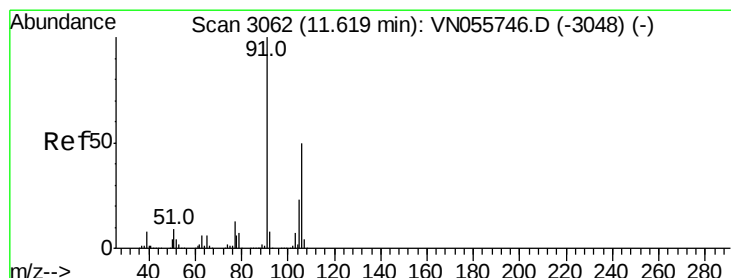
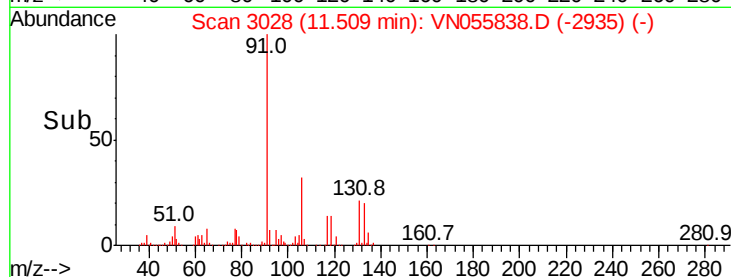
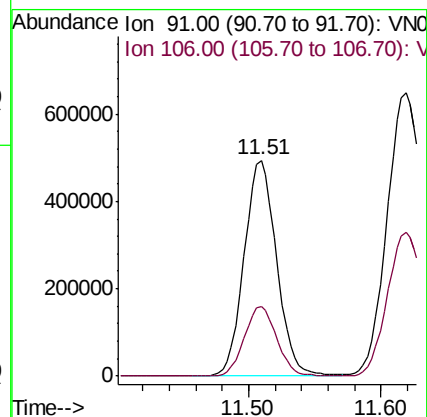
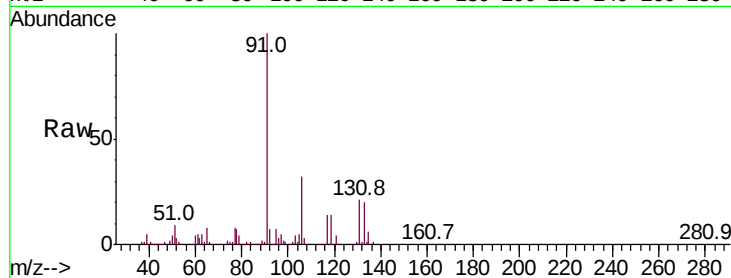
VSTDCCC050

Tot Ion: 91 Resp: 842660

Ion Ratio Lower Upper

91 100

106 32.2 25.1 37.7



#68

m/p-Xylenes

Concen: 98.850 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055838.D

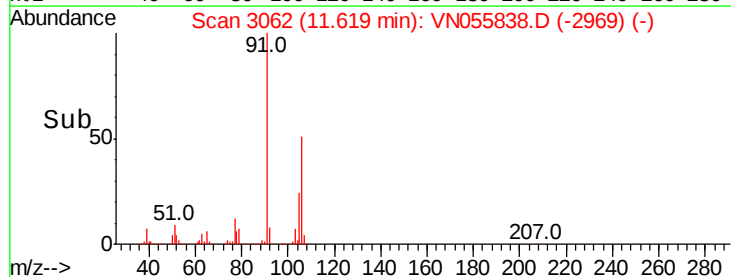
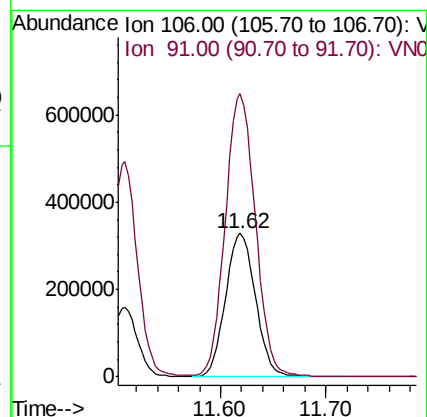
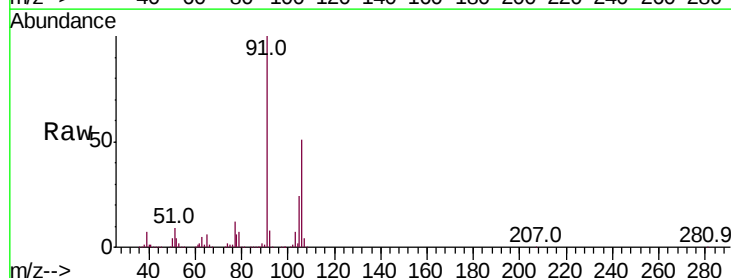
Acq: 28 May 2019 8:57

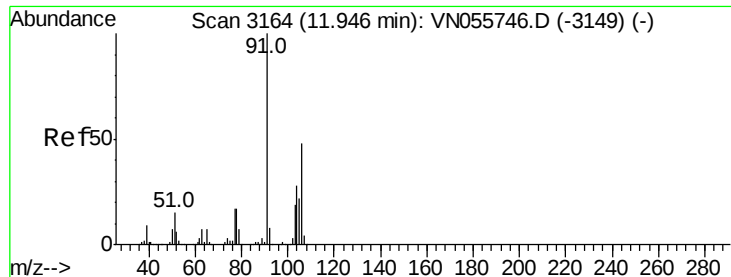
Tgt Ion: 106 Resp: 649407

Ion Ratio Lower Upper

106 100

91 197.9 159.3 238.9

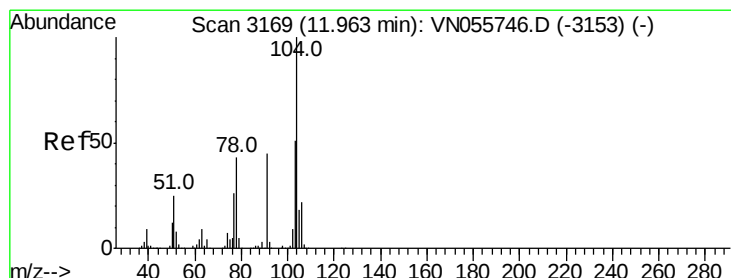
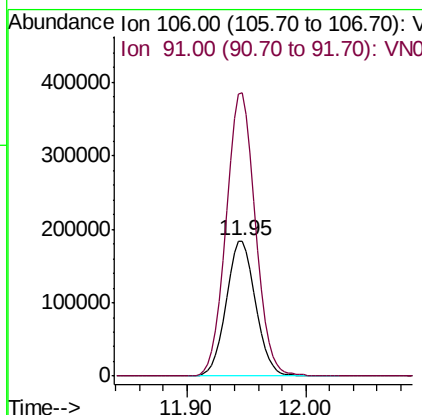
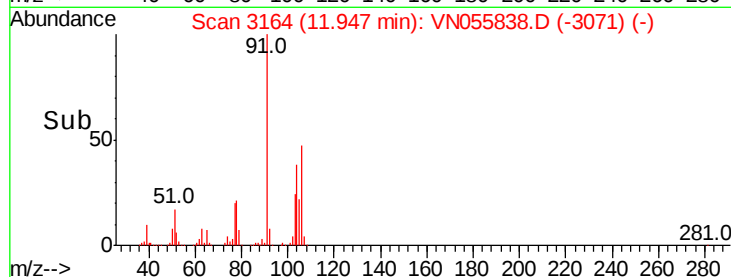
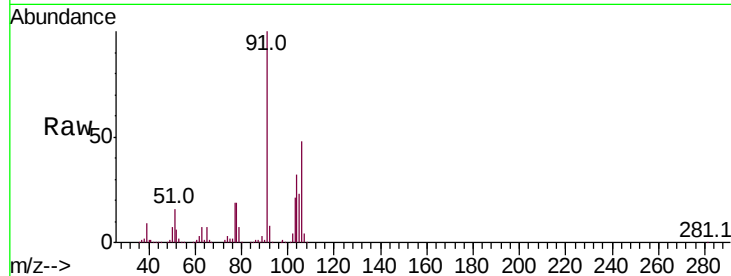




#69
o-Xylene
Concen: 48.342 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

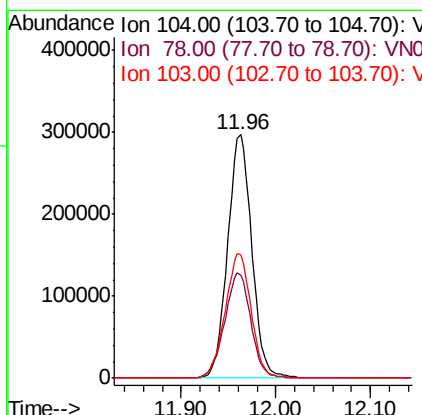
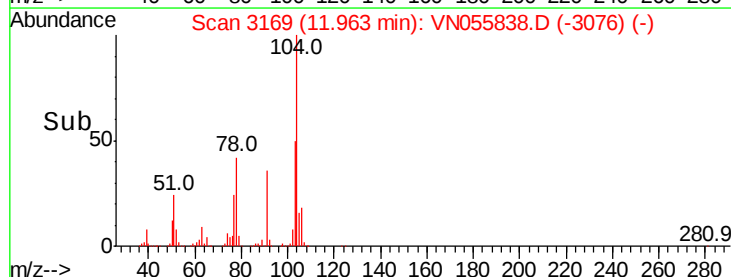
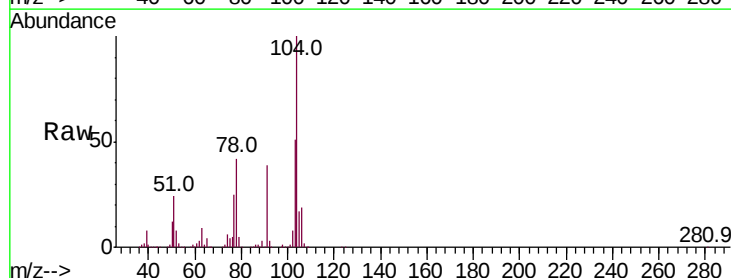
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

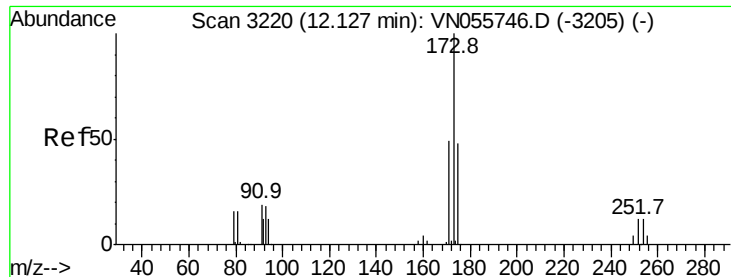
Tot Ion:106 Resp: 315092
Ion Ratio Lower Upper
106 100
91 208.7 104.7 314.1



#70
Styrene
Concen: 50.012 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion:104 Resp: 527889
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.0 44.2 66.2





#71

Bromoform

Concen: 48.015 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

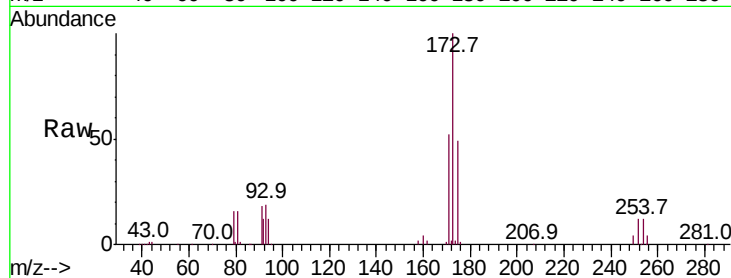
Tot Ion:173 Resp: 158288

Ion Ratio Lower Upper

173 100

175 49.3 24.3 72.8

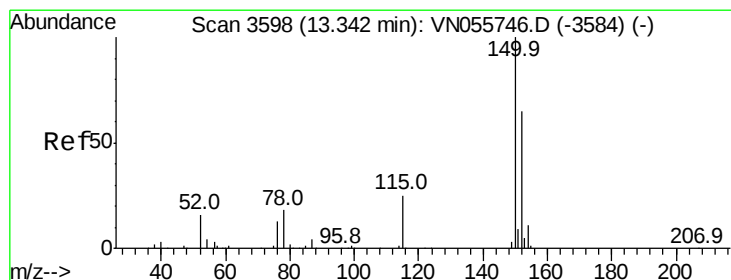
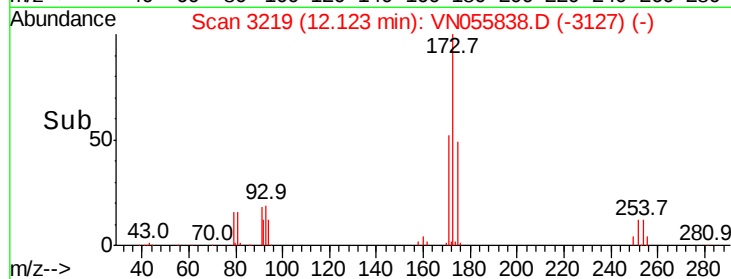
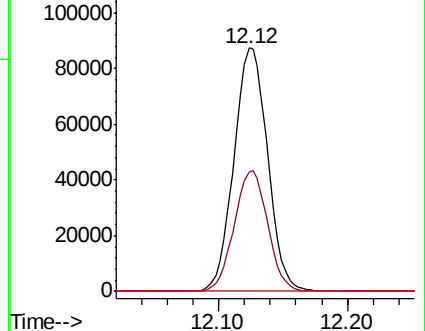
254 0.0 0.0 0.0#



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: VN055838.D

Acq: 28 May 2019 8:57

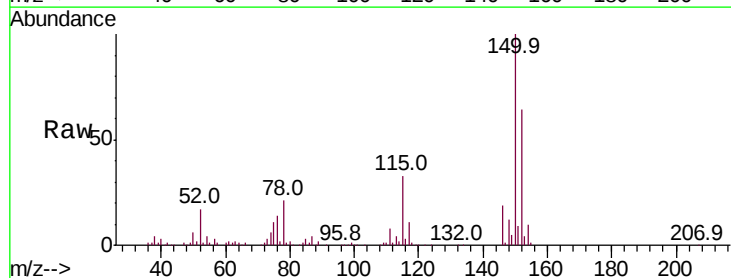
Tgt Ion:152 Resp: 219772

Ion Ratio Lower Upper

152 100

115 52.6 27.0 81.0

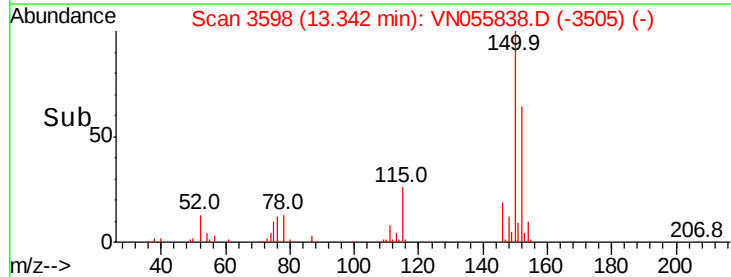
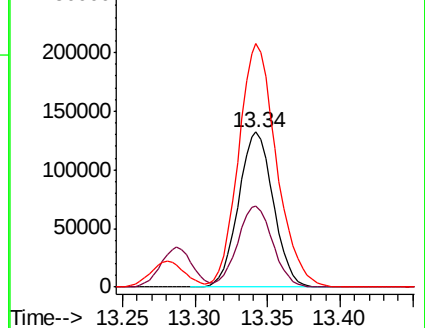
150 171.7 0.0 343.2

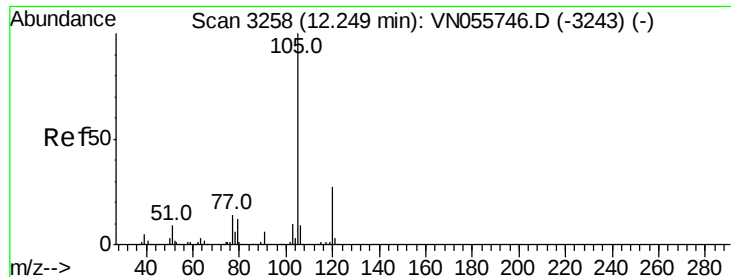


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.360 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

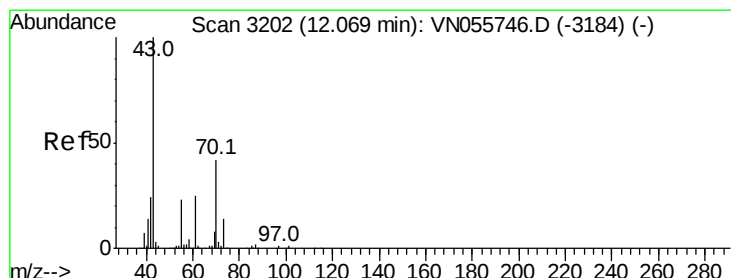
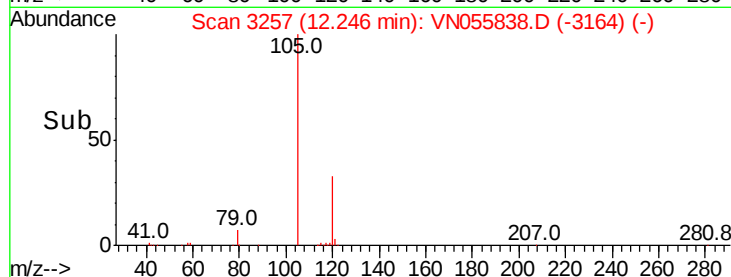
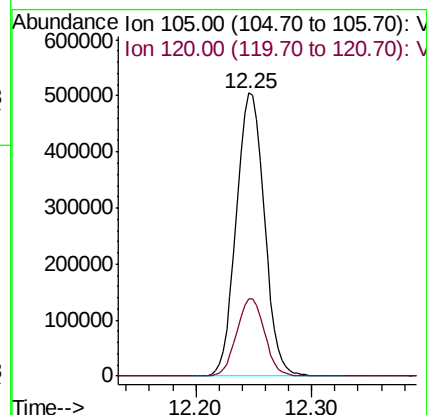
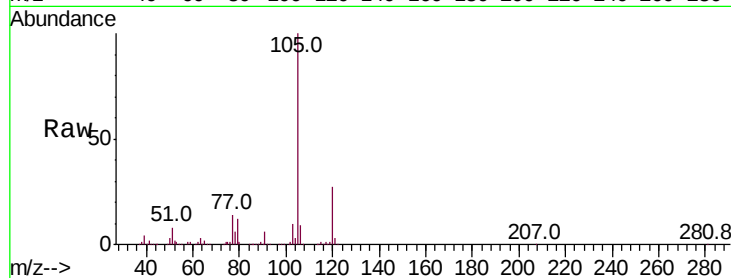
VSTDCCC050

Tot Ion:105 Resp: 846184

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 47.702 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Tgt Ion: 43 Resp: 284507

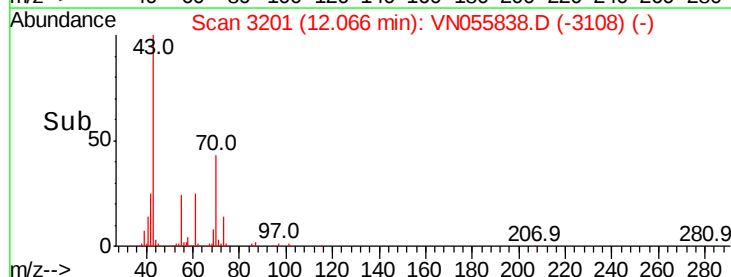
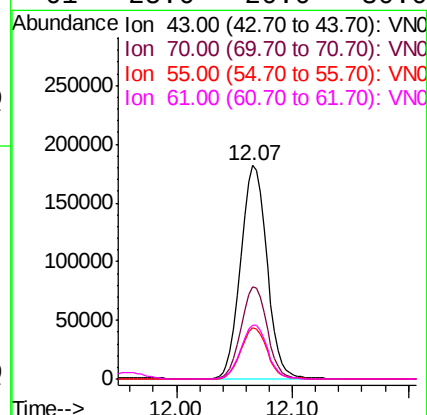
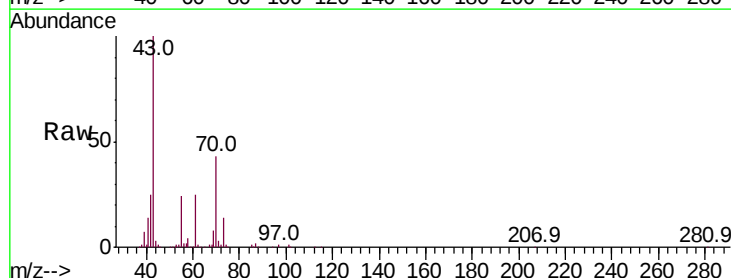
Ion Ratio Lower Upper

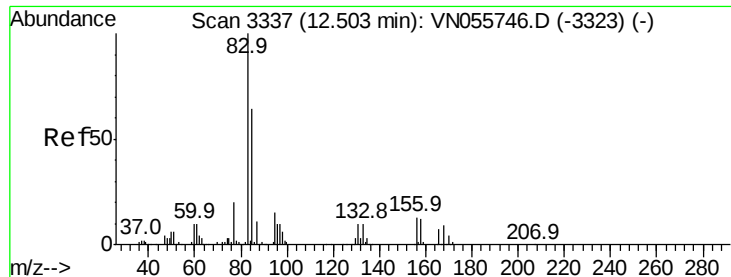
43 100

70 43.1 34.0 51.0

55 24.1 18.6 28.0

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.212 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

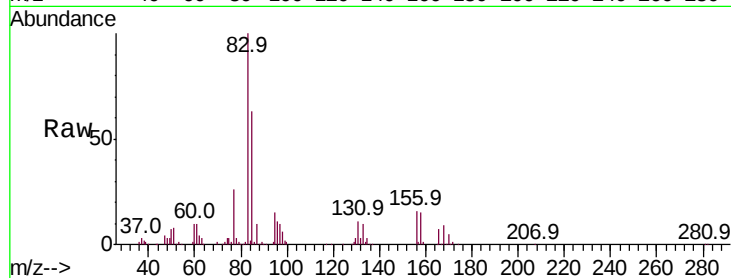
Tot Ion: 83 Resp: 228100

Ion Ratio Lower Upper

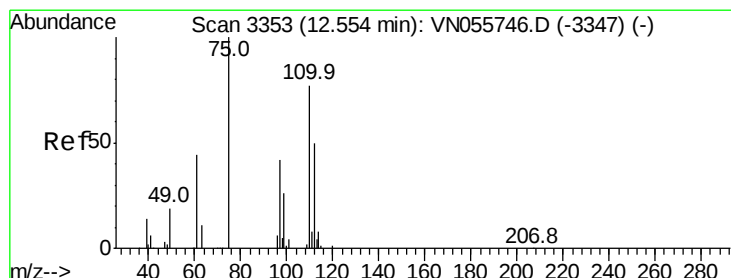
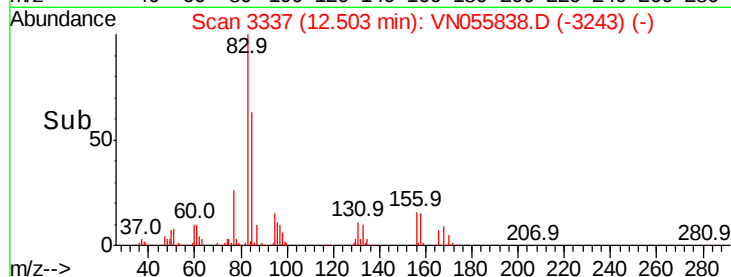
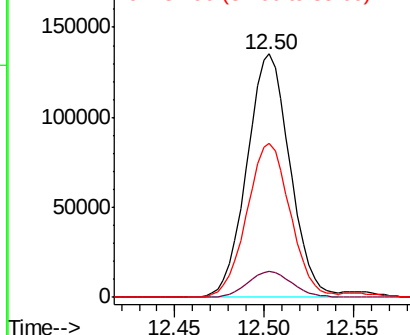
83 100

131 11.1 5.4 16.2

85 64.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 78.261 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055838.D

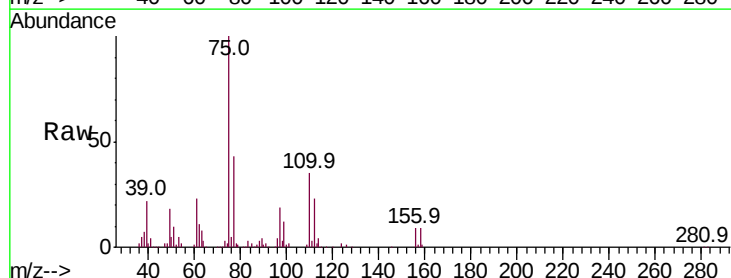
Acq: 28 May 2019 8:57

Tgt Ion: 75 Resp: 289423

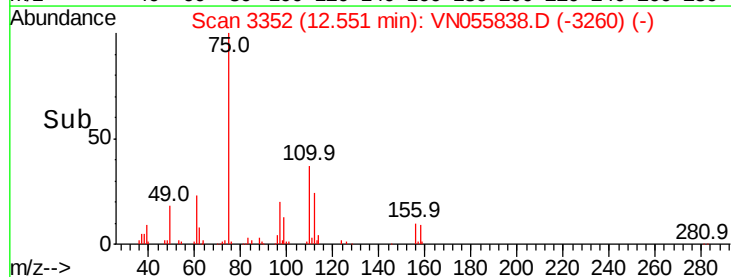
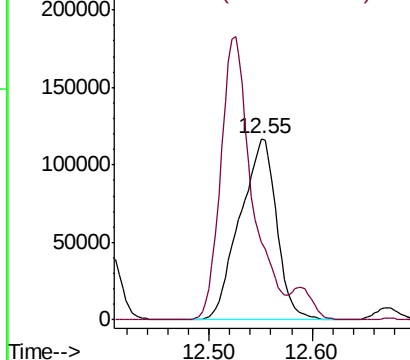
Ion Ratio Lower Upper

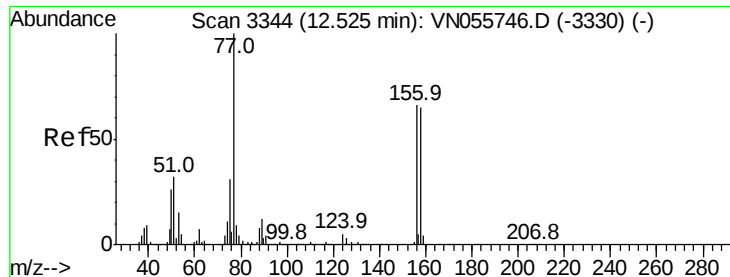
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.308 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

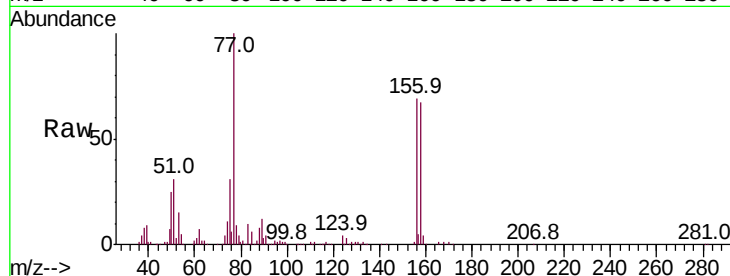
Tot Ion:156 Resp: 221860

Ion Ratio Lower Upper

156 100

77 173.7 90.8 272.5

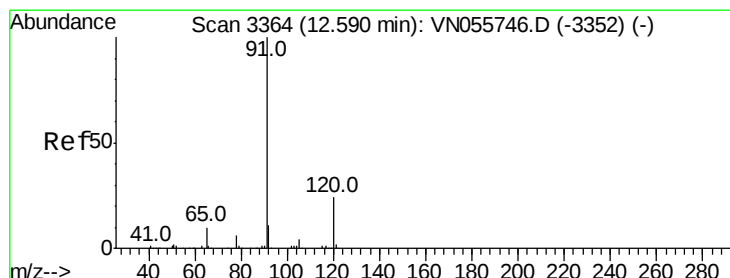
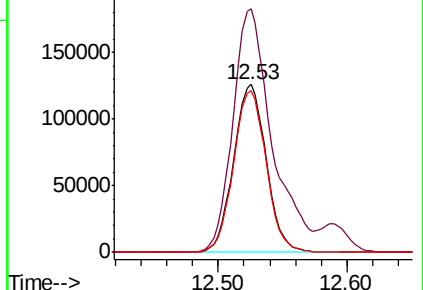
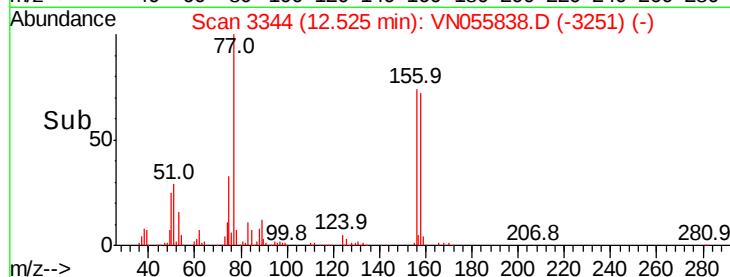
158 96.3 49.3 147.8



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: 47.780 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055838.D

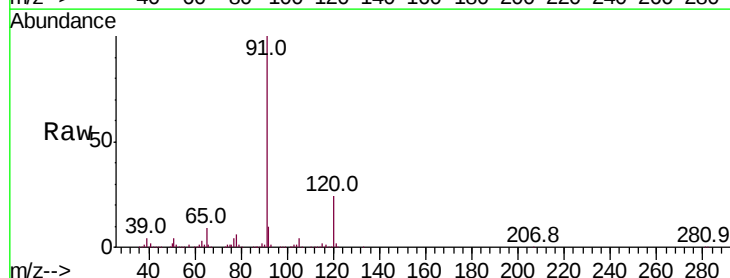
Acq: 28 May 2019 8:57

Tgt Ion: 91 Resp: 912651

Ion Ratio Lower Upper

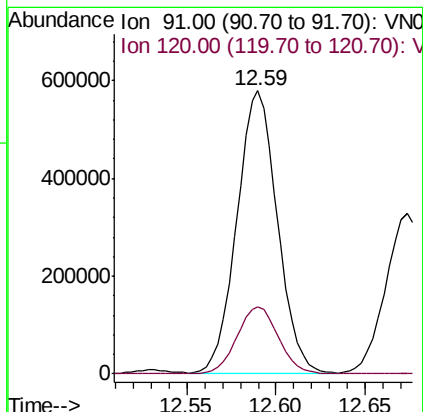
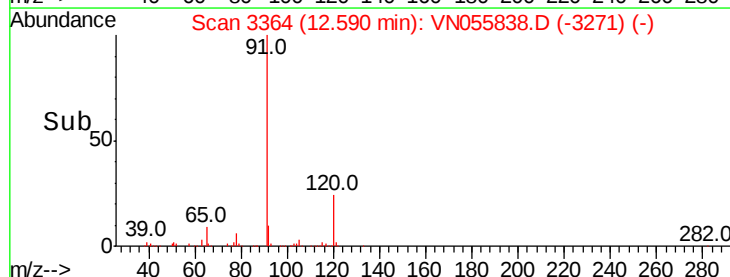
91 100

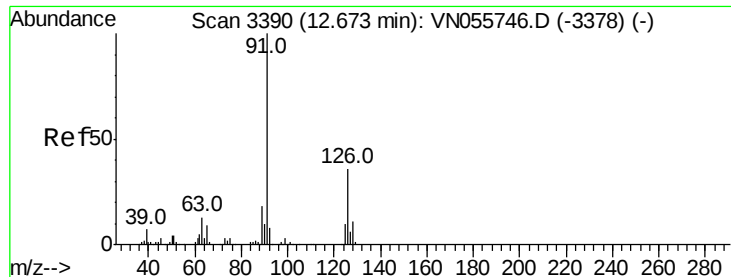
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.372 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

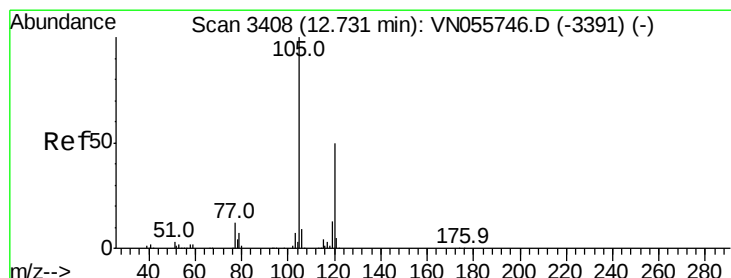
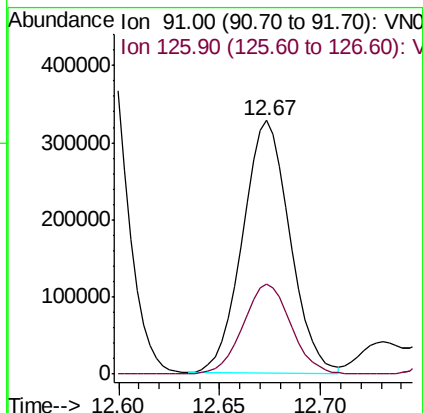
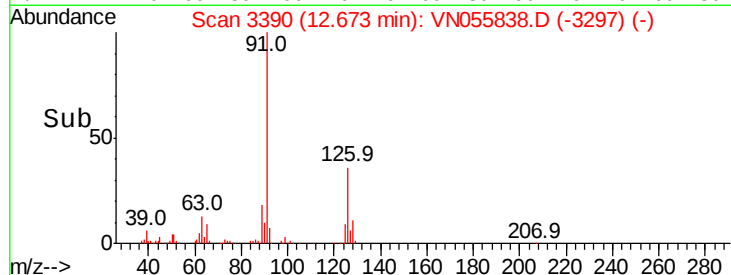
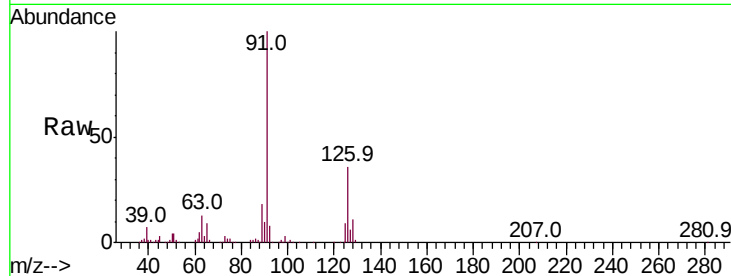
VSTDCCC050

Tot Ion: 91 Resp: 537597

Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 52.645 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055838.D

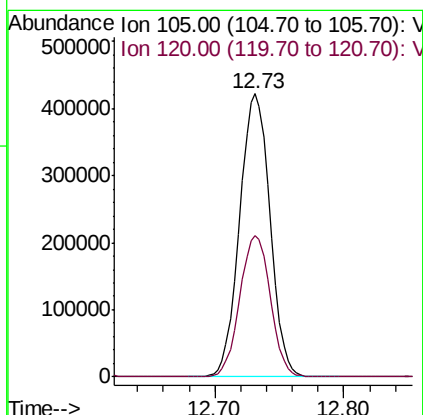
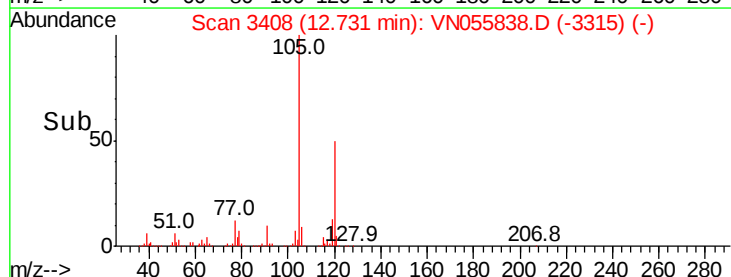
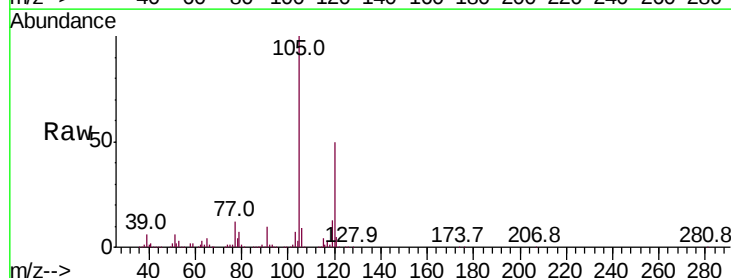
Acq: 28 May 2019 8:57

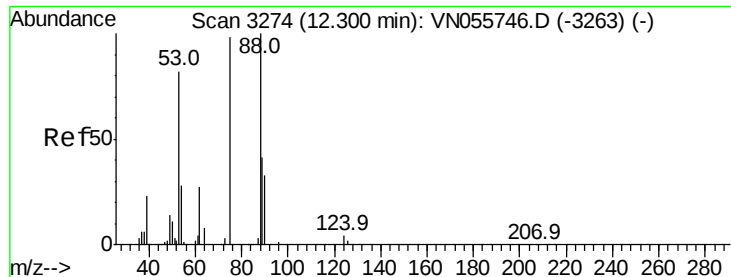
Tgt Ion: 105 Resp: 690968

Ion Ratio Lower Upper

105 100

120 50.2 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 45.415 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

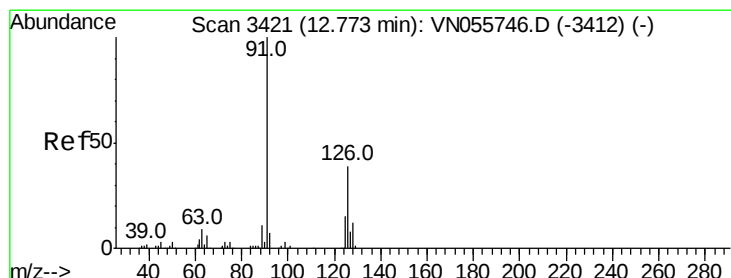
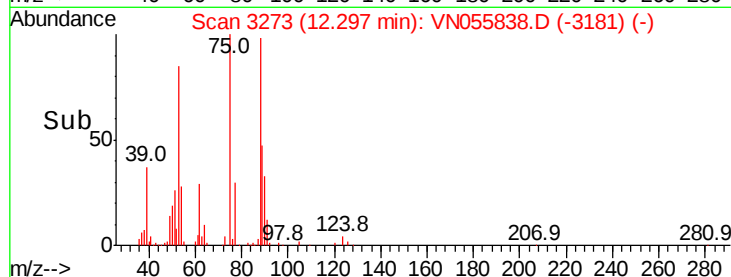
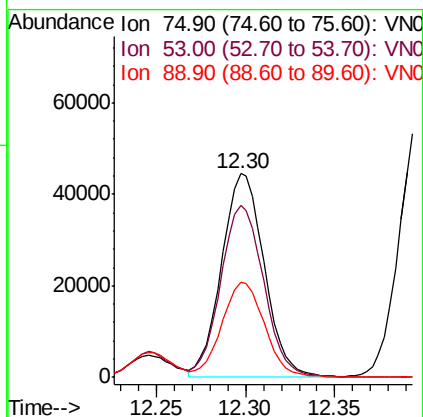
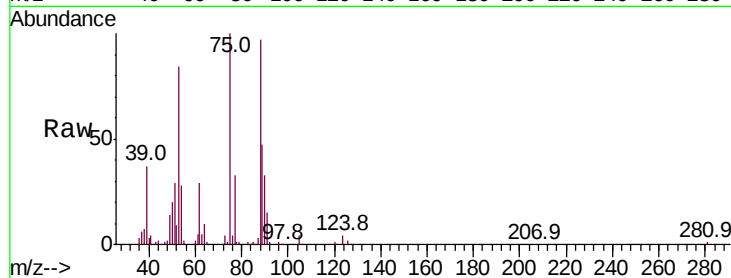
Tot Ion: 75 Resp: 74181

Ion Ratio Lower Upper

75 100

53 85.7 68.1 102.1

89 47.1 36.9 55.3



#82

4-Chlorotoluene

Concen: 47.095 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055838.D

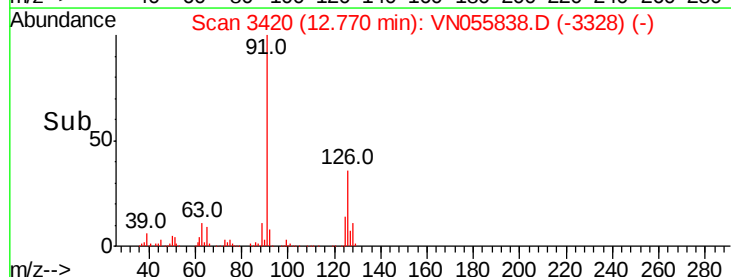
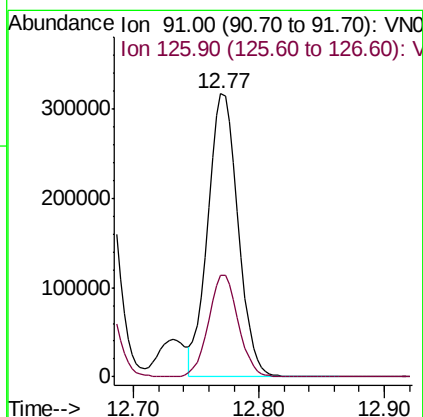
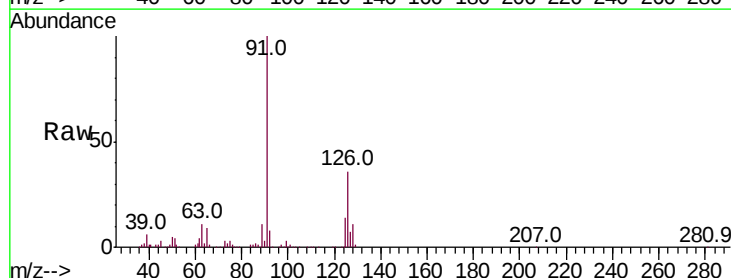
Acq: 28 May 2019 8:57

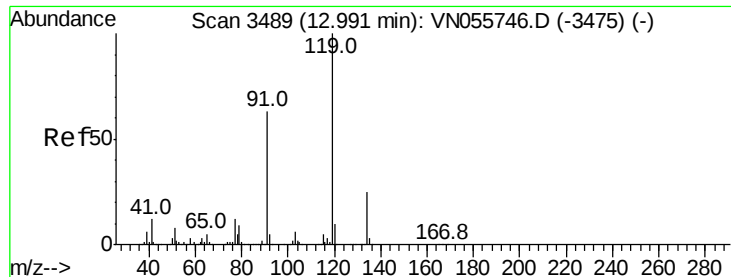
Tgt Ion: 91 Resp: 528793

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.3





#83

tert-Butylbenzene

Concen: 53.910 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

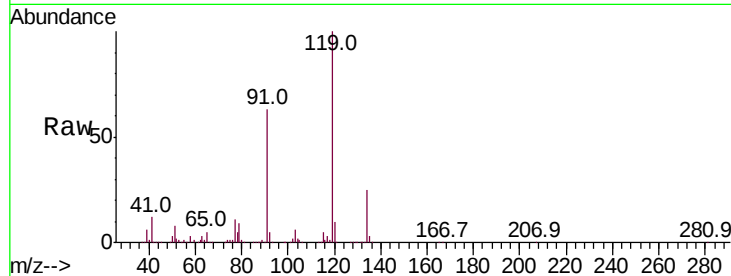
Tot Ion:119 Resp: 610514

Ion Ratio Lower Upper

119 100

91 61.3 30.9 92.8

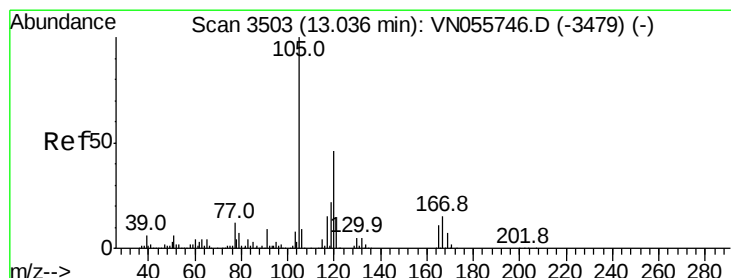
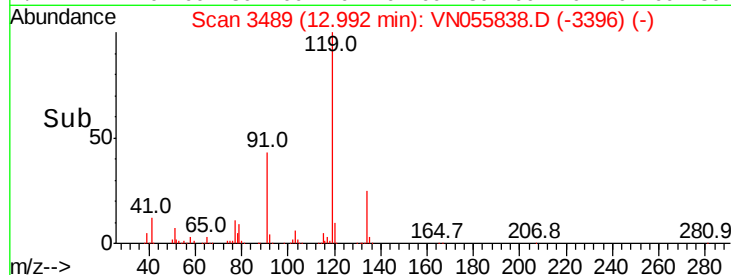
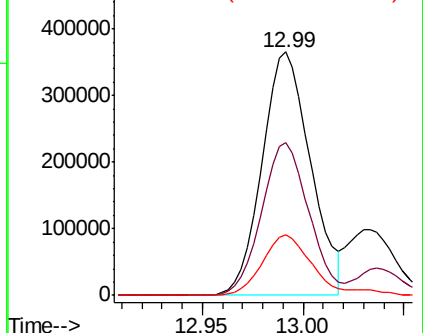
134 26.3 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.936 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN055838.D

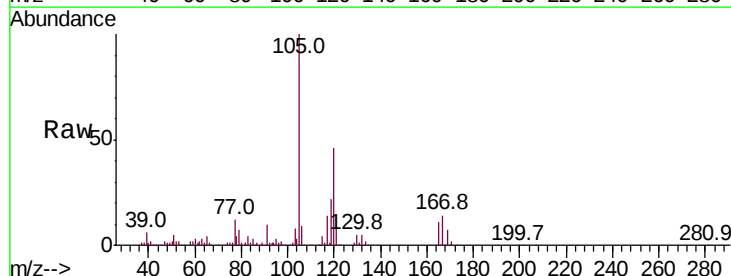
Acq: 28 May 2019 8:57

Tgt Ion:105 Resp: 681113

Ion Ratio Lower Upper

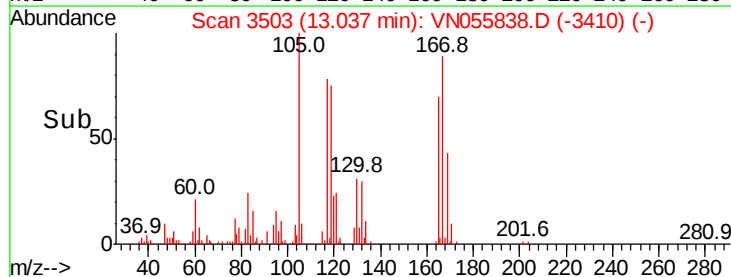
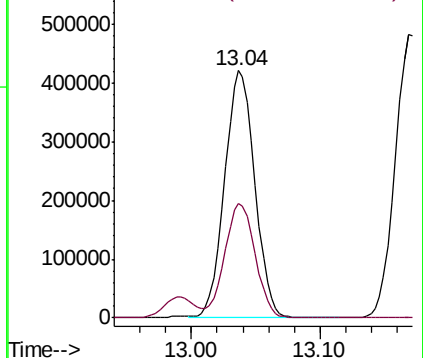
105 100

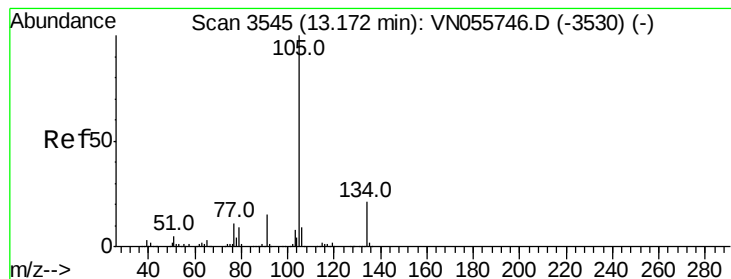
120 47.1 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.784 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampled :

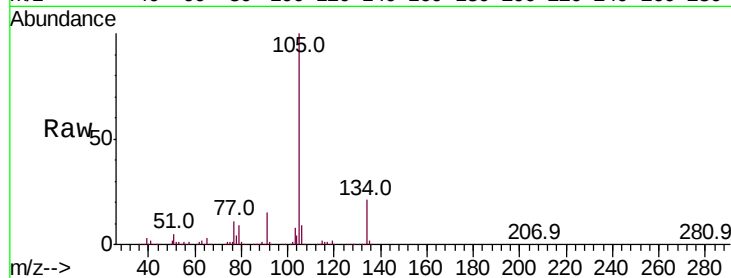
VSTDCCC050

Tot Ion:105 Resp: 793063

Ion Ratio Lower Upper

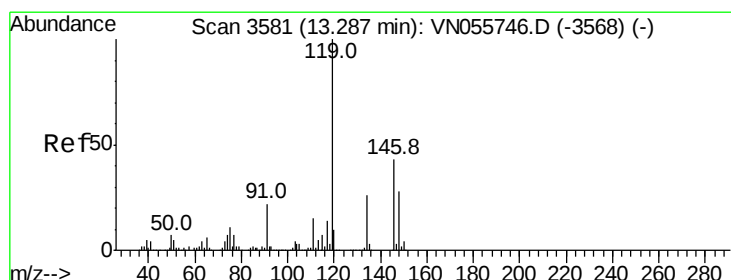
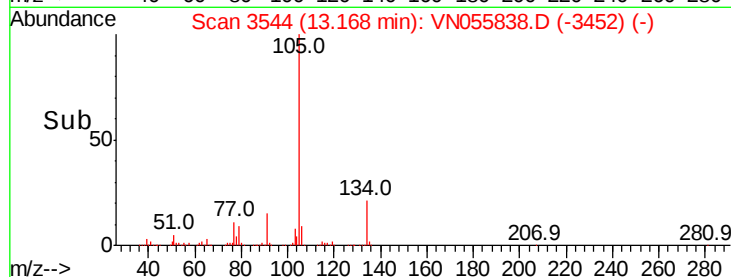
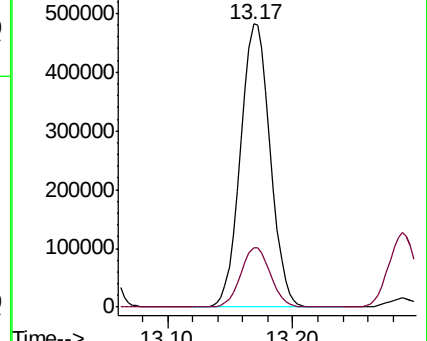
105 100

134 20.8 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.940 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

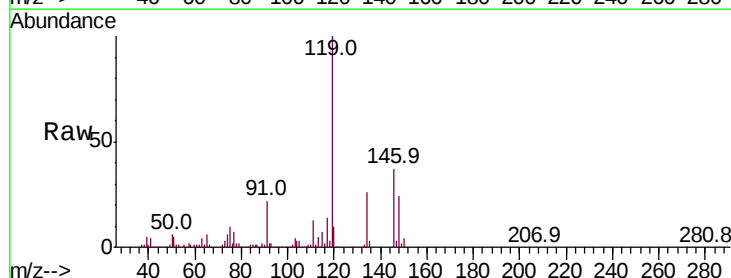
Tgt Ion:119 Resp: 731669

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

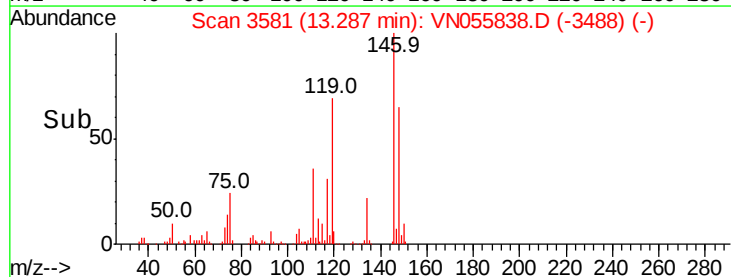
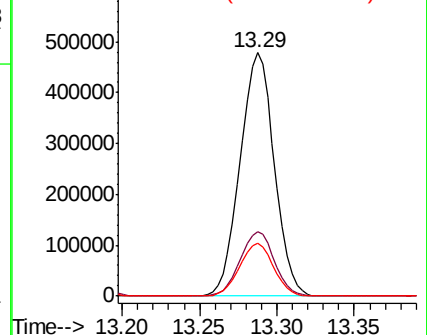
91 21.5 10.9 32.9

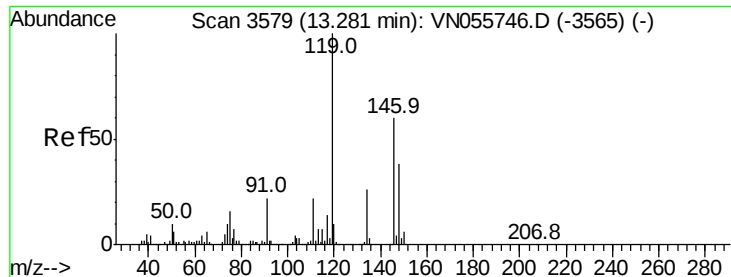


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.279 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

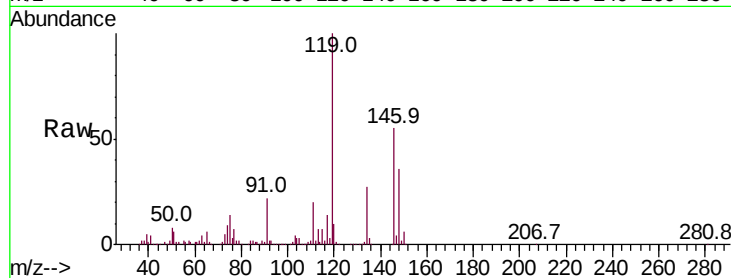
Tot Ion:146 Resp: 358516

Ion Ratio Lower Upper

146 100

111 36.9 18.5 55.5

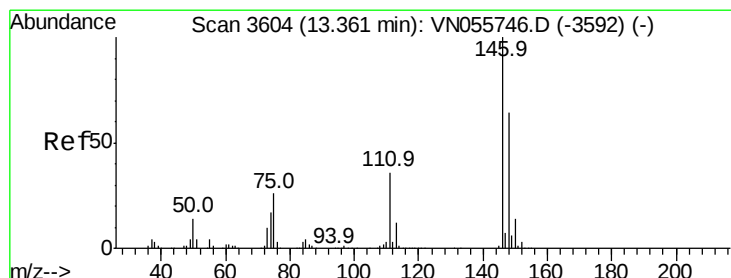
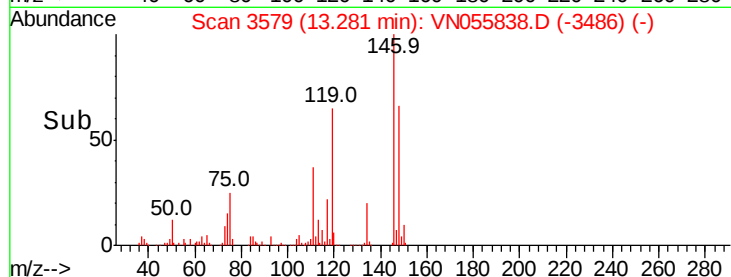
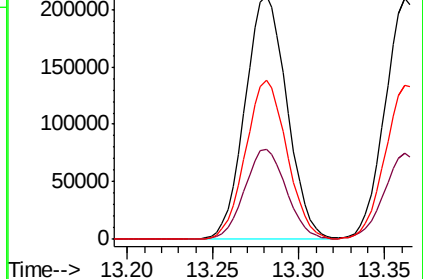
148 64.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.749 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

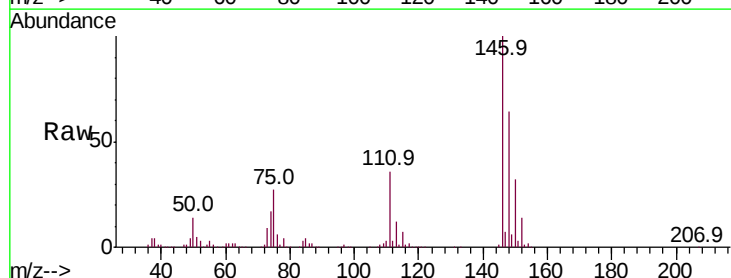
Tgt Ion:146 Resp: 344174

Ion Ratio Lower Upper

146 100

111 35.7 18.1 54.4

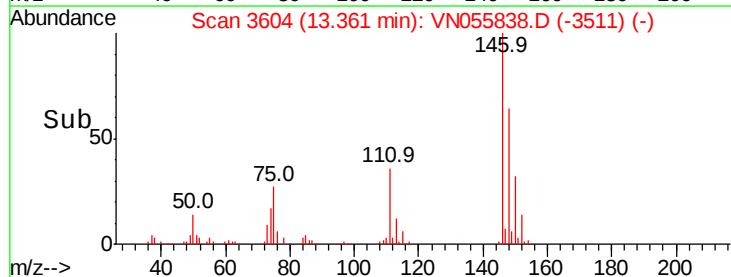
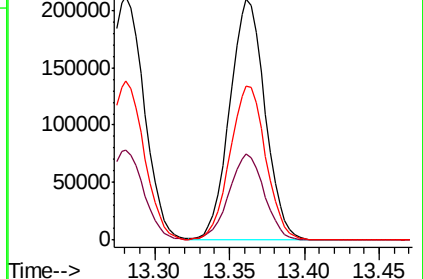
148 65.1 32.1 96.5

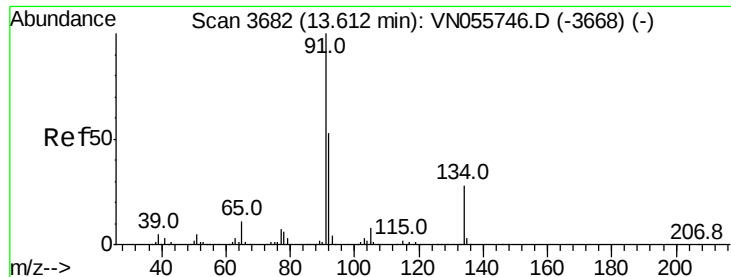


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

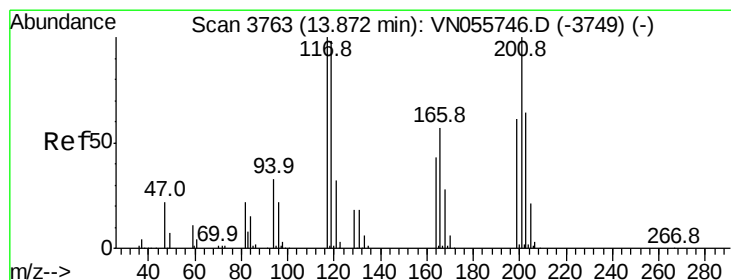
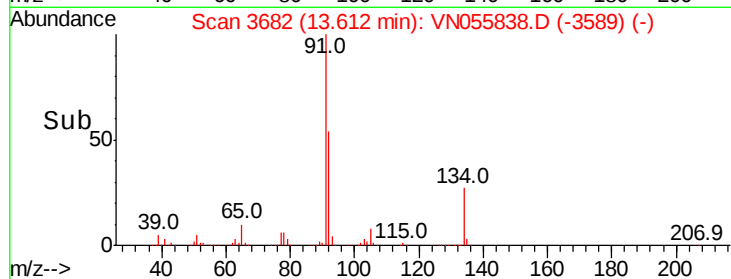
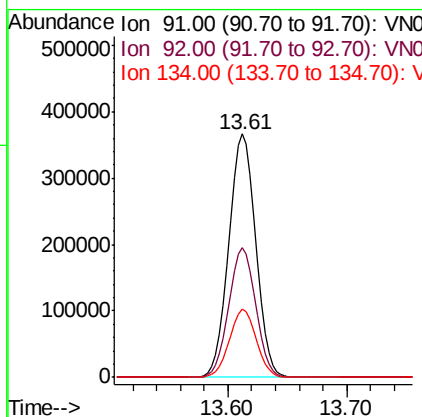
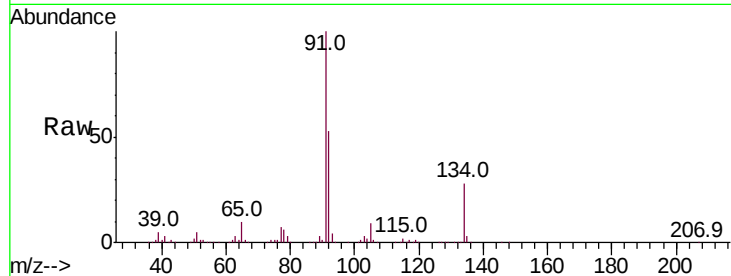




#89
n-Butylbenzene
Concen: 49.101 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

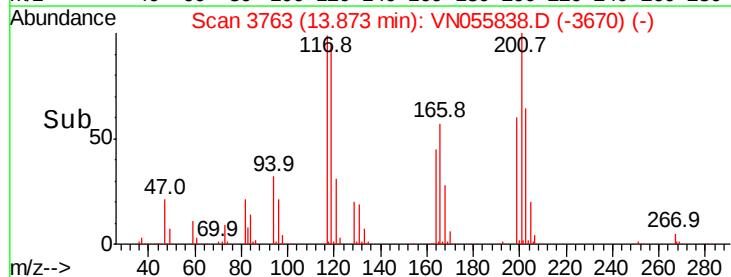
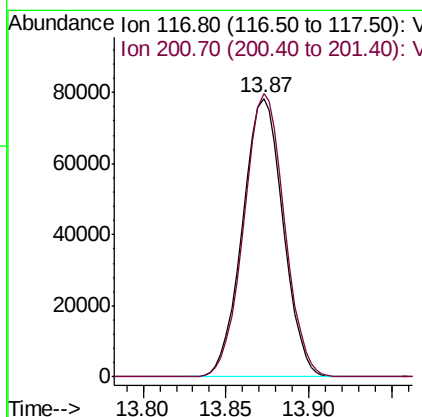
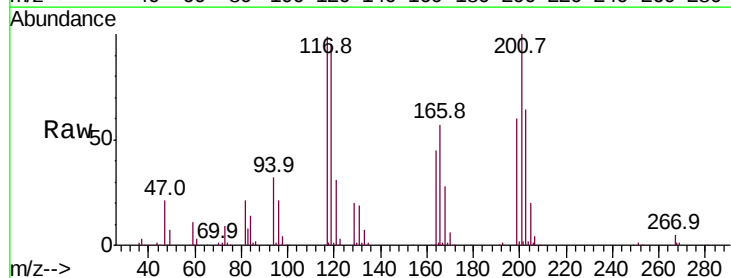
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

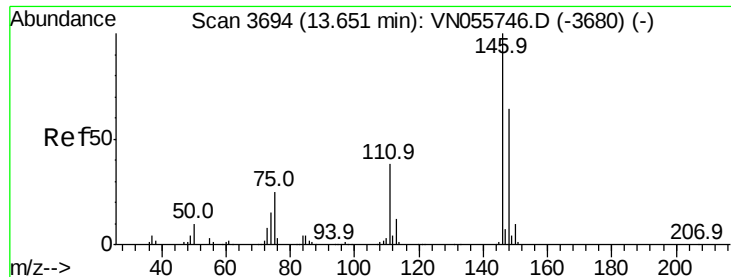
Tot Ion: 91 Resp: 574192
Ion Ratio Lower Upper
91 100
92 53.3 26.4 79.0
134 28.0 13.9 41.7



#90
Hexachloroethane
Concen: 45.987 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion: 117 Resp: 133594
Ion Ratio Lower Upper
117 100
201 101.6 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 47.605 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

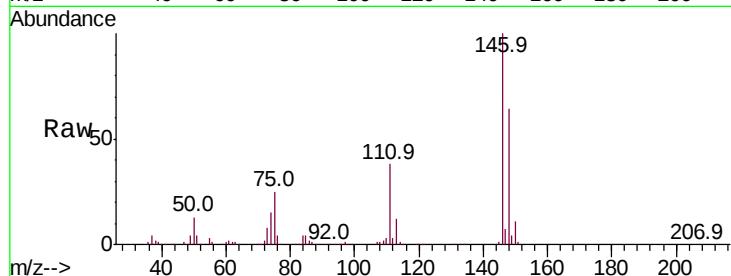
Tot Ion:146 Resp: 352694

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.5

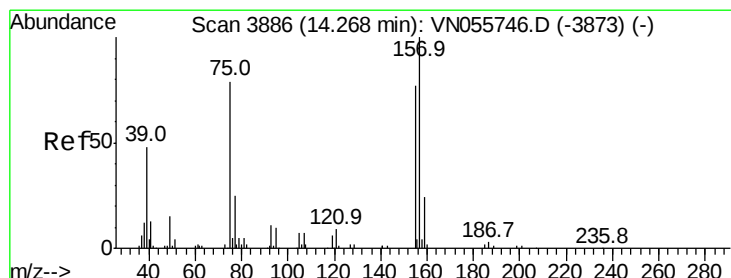
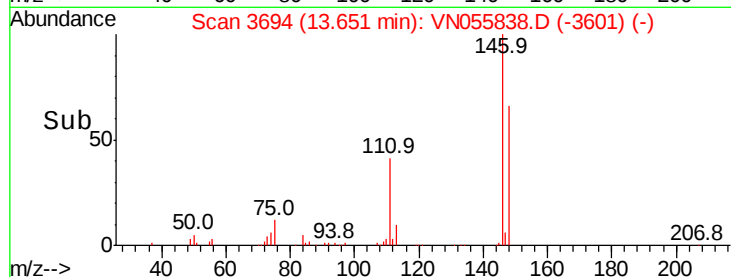
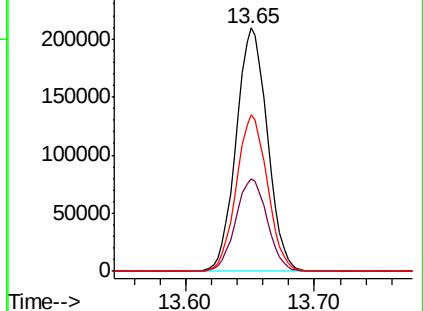
148 63.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.279 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN055838.D

Acq: 28 May 2019 8:57

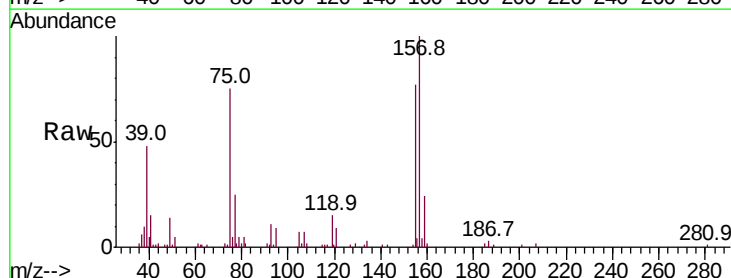
Tgt Ion: 75 Resp: 41171

Ion Ratio Lower Upper

75 100

155 103.0 50.0 150.1

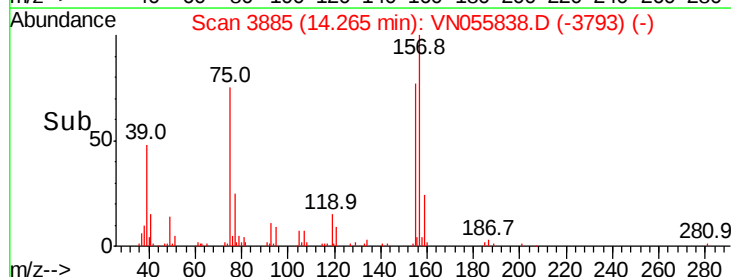
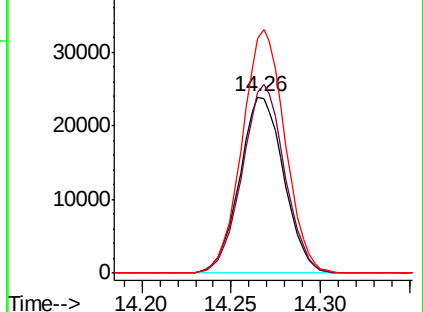
157 134.2 64.8 194.3

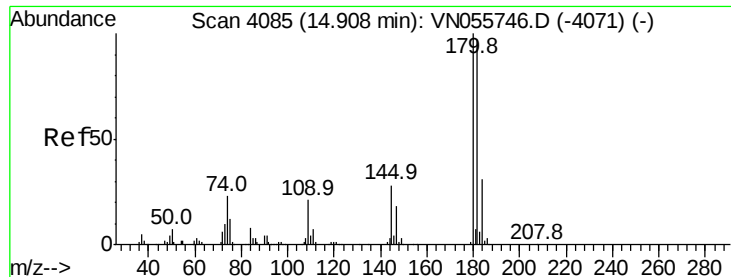


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

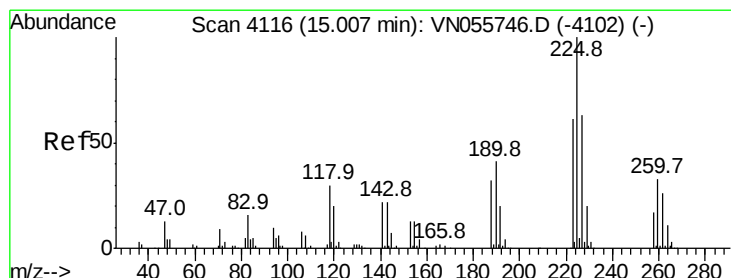
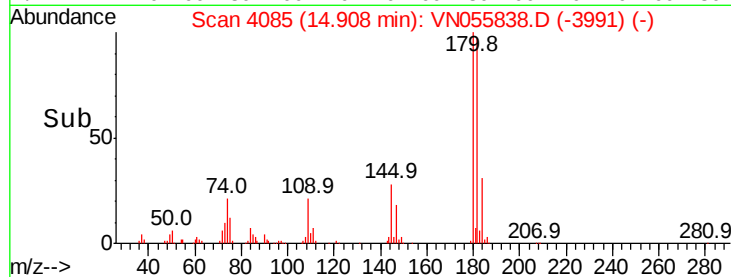
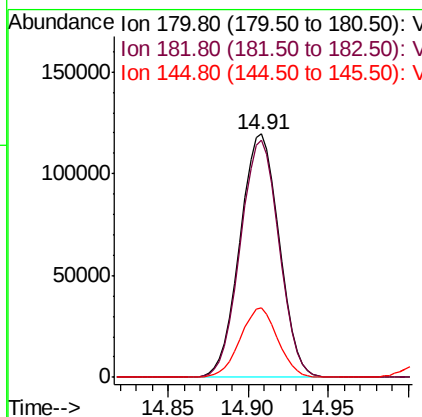
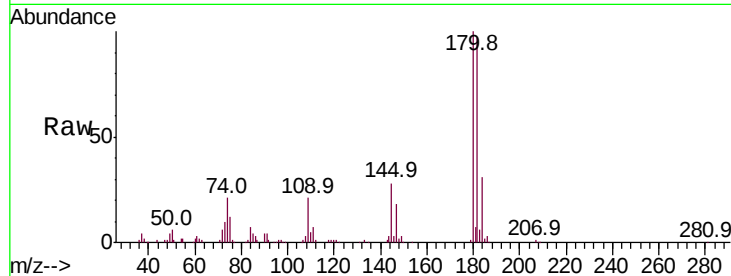




#93
 1,2,4-Trichlorobenzene
 Concen: 47.135 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

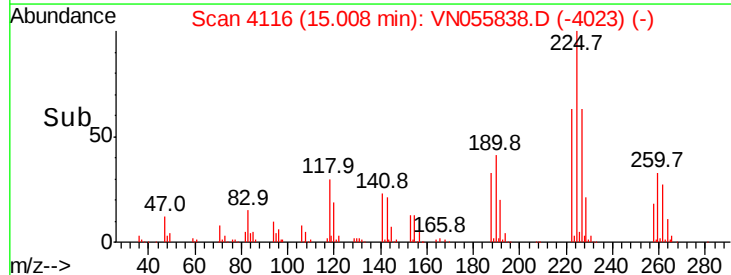
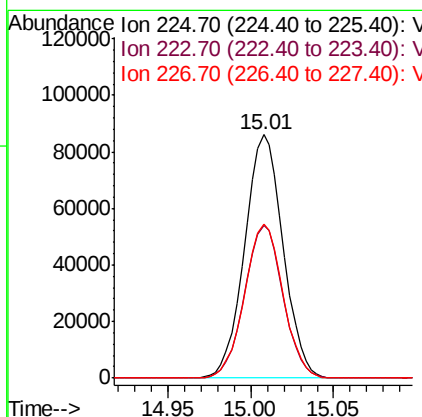
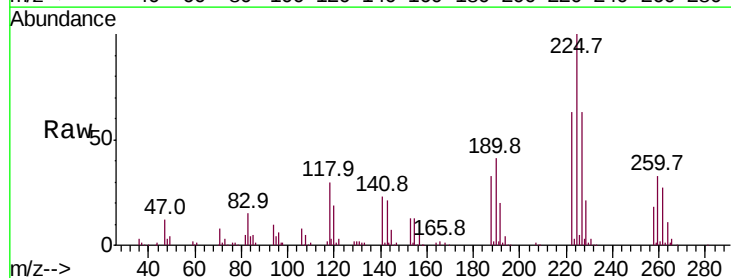
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

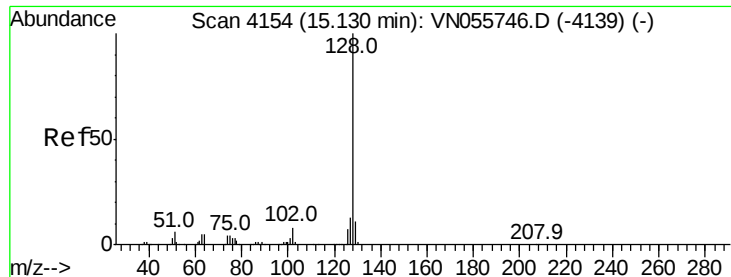
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.3	144.9
145	27.3	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 53.136 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055838.D
 Acq: 28 May 2019 8:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.7
227	63.2	31.6	94.7

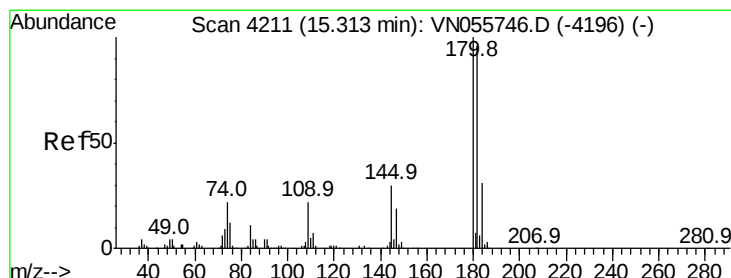
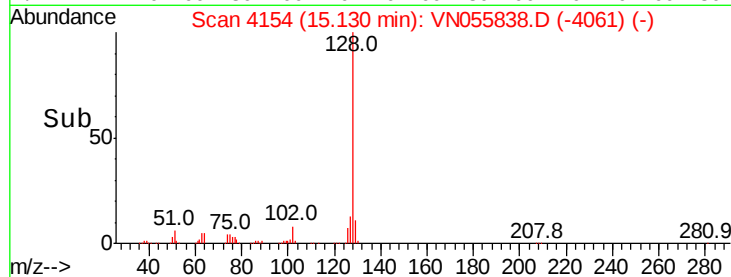
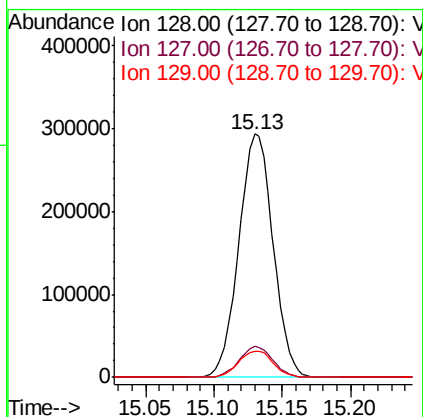
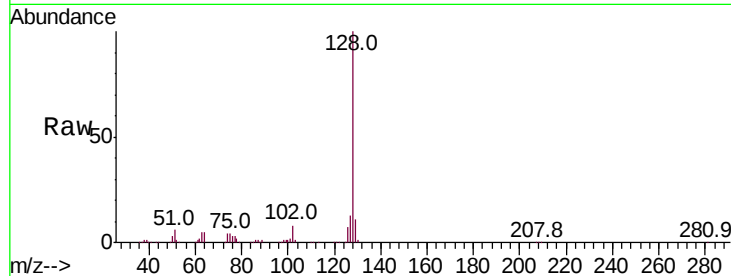




#95
Naphthalene
Concen: 50.315 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 511521
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.476 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055838.D
Acq: 28 May 2019 8:57

Tgt Ion:180 Resp: 209429
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.7
145 29.3 14.9 44.7

