

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053856.D
 Acq On : 19 Feb 2019 9:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 20 03:15:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	634697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	915932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	860834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	402724	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	302246	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
35) Dibromofluoromethane	7.59	113	309820	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.09	98	1097728	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	378746	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	298890	41.827	ug/l	99
3) Chloromethane	2.06	50	314537	41.743	ug/l	100
4) Vinyl Chloride	2.19	62	340366	46.532	ug/l	99
5) Bromomethane	2.57	94	231486	48.401	ug/l	99
6) Chloroethane	2.71	64	212421	50.819	ug/l	97
7) Trichlorofluoromethane	3.02	101	490050	49.404	ug/l	99
8) Diethyl Ether	3.41	74	160835	44.398	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	298995	48.739	ug/l	98
10) Methyl Iodide	3.96	142	421157	43.740	ug/l	100
11) Tert butyl alcohol	4.77	59	91416	242.593	ug/l	99
12) 1,1-Dichloroethene	3.74	96	260578	44.335	ug/l	97
13) Acrolein	3.61	56	57653	281.005	ug/l	98
14) Allyl chloride	4.33	41	419460	44.823	ug/l	99
15) Acrylonitrile	4.98	53	494094	242.880	ug/l	99
16) Acetone	3.81	43	547235	335.067	ug/l	98
17) Carbon Disulfide	4.06	76	691954	37.809	ug/l	100
18) Methyl Acetate	4.32	43	256193	52.967	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	732278	49.147	ug/l	100
20) Methylene Chloride	4.55	84	308336	45.000	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	282441	44.542	ug/l	97
22) Diisopropyl ether	5.95	45	845929	48.785	ug/l	98
23) Vinyl Acetate	5.89	43	2771793	231.070	ug/l	98
24) 1,1-Dichloroethane	5.85	63	540563	46.739	ug/l	100
25) 2-Butanone	6.83	43	639769	274.659	ug/l	97
26) 2,2-Dichloropropane	6.82	77	435190	49.293	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	341978	48.501	ug/l	97
28) Bromochloromethane	7.19	49	254410	50.690	ug/l	94
29) Tetrahydrofuran	7.21	42	380550	254.425	ug/l	97
30) Chloroform	7.37	83	566778	49.436	ug/l	100
31) Cyclohexane	7.65	56	470033	43.629	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	473079	49.583	ug/l	99
36) 1,1-Dichloropropene	7.79	75	410171	49.678	ug/l	99
37) Ethyl Acetate	6.93	43	241434	52.357	ug/l	98
38) Carbon Tetrachloride	7.77	117	418814	50.353	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	475822	48.575	ug/l	99
40) Benzene	8.04	78	1231254	48.358	ug/l	100
41) Methacrylonitrile	7.17	41	116069	45.036	ug/l #	78
42) 1,2-Dichloroethane	8.12	62	362607	47.964	ug/l	100
43) Isopropyl Acetate	8.16	43	403058	45.260	ug/l	97
44) Trichloroethene	8.83	130	343253	47.354	ug/l	97
45) 1,2-Dichloropropane	9.12	63	329865	50.653	ug/l	100
46) Dibromomethane	9.21	93	192119	48.939	ug/l	96
47) Bromodichloromethane	9.40	83	419627	51.410	ug/l	99
48) Methyl methacrylate	9.20	41	196543	46.235	ug/l	89
49) 1,4-Dioxane	9.20	88	62776	1018.405	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	1140173	260.542	ug/l	100
52) Toluene	10.16	92	753102	49.838	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	428912	52.477	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	493696	50.974	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	305700	56.142	ug/l	99
56) Ethyl methacrylate	10.43	69	337642	52.416	ug/l	98
57) 1,3-Dichloropropane	10.71	76	503414	54.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	731648	185.287	ug/l	97
59) 2-Hexanone	10.75	43	866358	291.620	ug/l	98
60) Dibromochloromethane	10.90	129	350480	57.078	ug/l	99
61) 1,2-Dibromoethane	11.00	107	283405	52.585	ug/l	99
64) Tetrachloroethene	10.63	164	378645	51.312	ug/l	99
65) Chlorobenzene	11.43	112	903105	49.390	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	331377	51.892	ug/l	99
67) Ethyl Benzene	11.51	91	1474792	49.100	ug/l	100
68) m/p-Xylenes	11.62	106	1140702	99.504	ug/l	99
69) o-Xylene	11.95	106	541164	48.863	ug/l	97
70) Styrene	11.96	104	889557	49.555	ug/l	99
71) Bromoform	12.13	173	232136	53.023	ug/l #	98
73) Isopropylbenzene	12.25	105	1437821	50.787	ug/l	99
74) N-amyl acetate	12.07	43	325779	47.853	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	328029	48.414	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	405728	78.436	ug/l #	100
77) Bromobenzene	12.53	156	381697	50.026	ug/l	96
78) n-propylbenzene	12.59	91	1678512	51.287	ug/l	100
79) 2-Chlorotoluene	12.67	91	977774	50.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1240578	52.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	91599	49.794	ug/l	99
82) 4-Chlorotoluene	12.77	91	993632	49.871	ug/l	99
83) tert-Butylbenzene	12.99	119	1105581	53.283	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1249936	52.258	ug/l	99
85) sec-Butylbenzene	13.17	105	1503957	53.264	ug/l	99
86) p-Isopropyltoluene	13.29	119	1330649	53.884	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	692563	50.493	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	687116	50.643	ug/l	98
89) n-Butylbenzene	13.61	91	1146006	53.615	ug/l	99
90) Hexachloroethane	13.87	117	228592	56.120	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	676374	51.510	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48701	50.434	ug/l	99

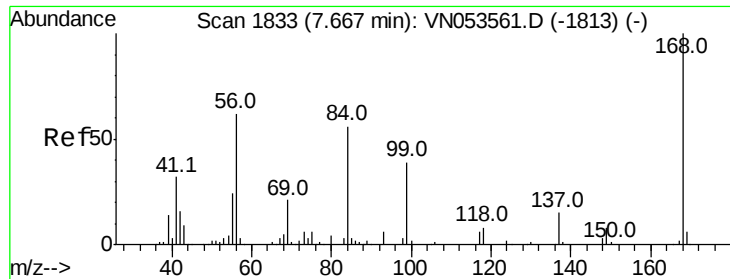
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	391555	51.992	ug/l	100
94) Hexachlorobutadiene	15.01	225	267524	57.041	ug/l	99
95) Naphthalene	15.13	128	712897	40.634	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	366477	52.445	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

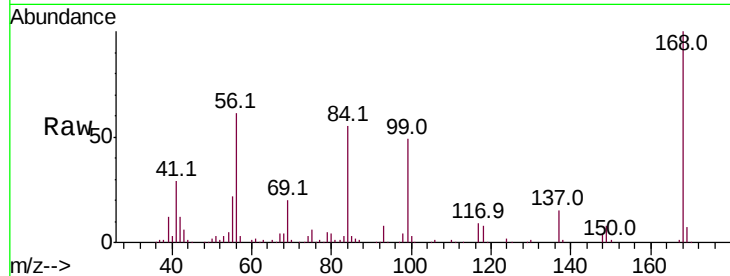
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 634697

Ion Ratio Lower Upper

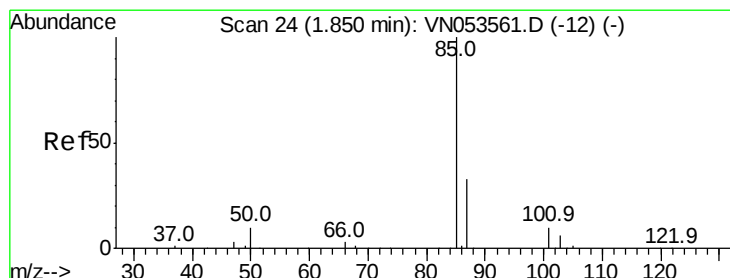
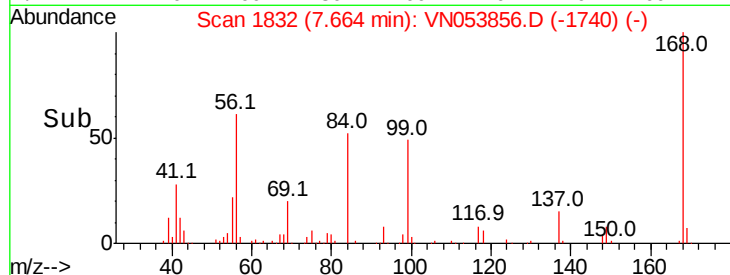
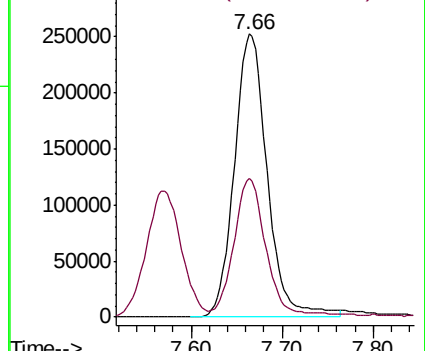
168 100

99 47.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.827 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053856.D

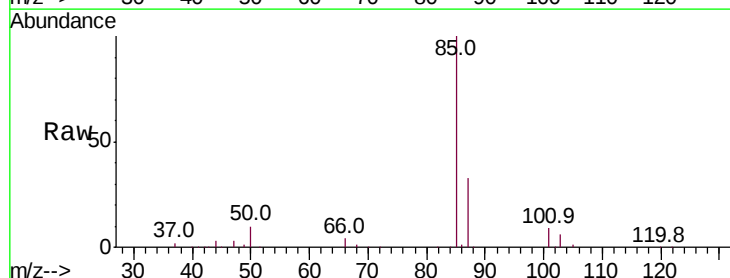
Acq: 19 Feb 2019 9:02

Tgt Ion: 85 Resp: 298890

Ion Ratio Lower Upper

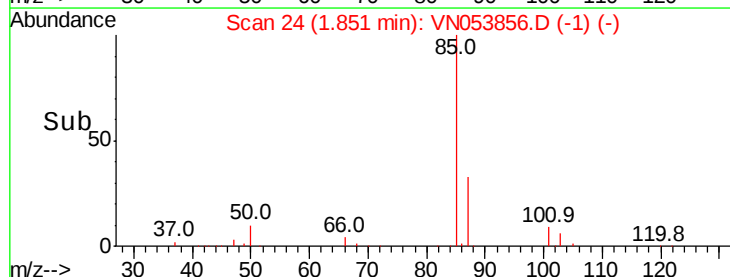
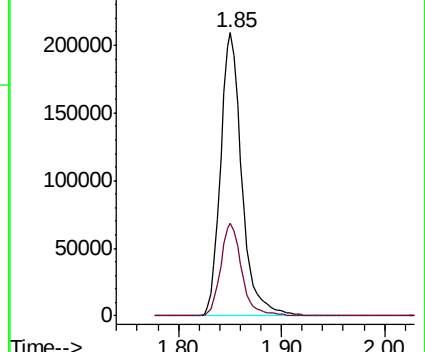
85 100

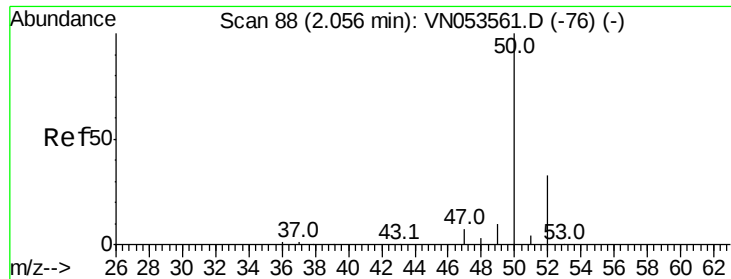
87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.743 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

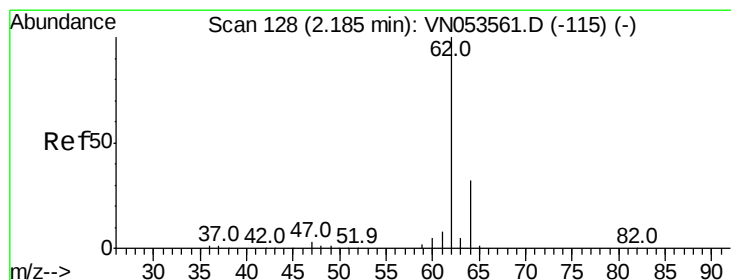
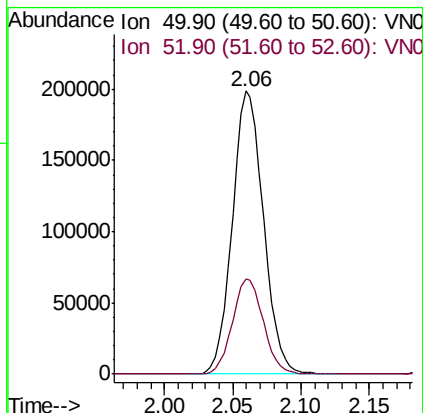
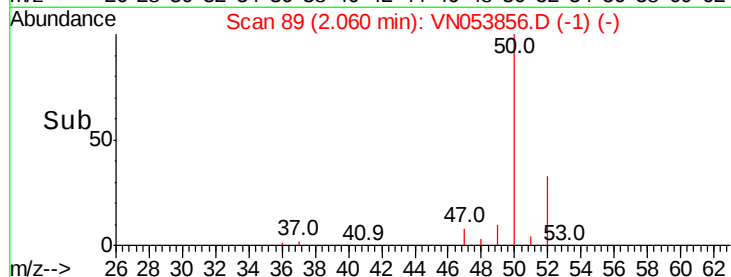
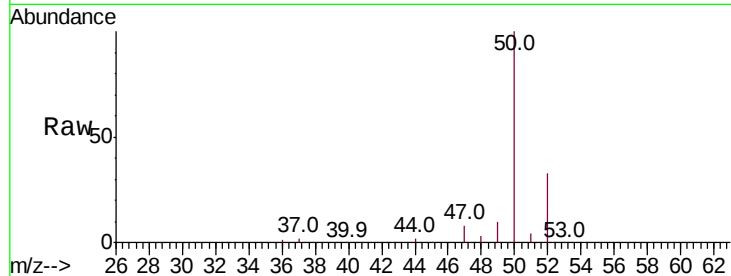
VSTDCCC050

Tot Ion: 50 Resp: 314537

Ion Ratio Lower Upper

50 100

52 33.5 26.6 40.0



#4

Vinyl Chloride

Concen: 46.532 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053856.D

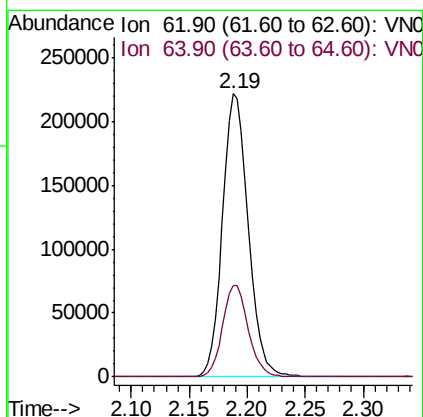
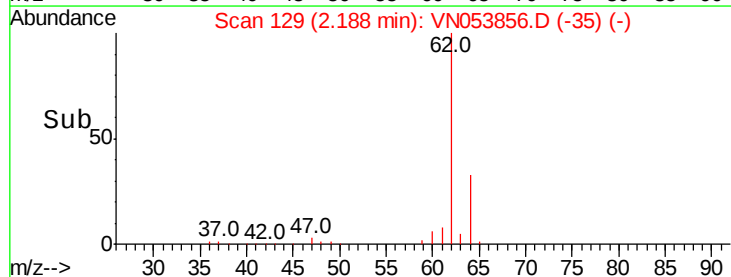
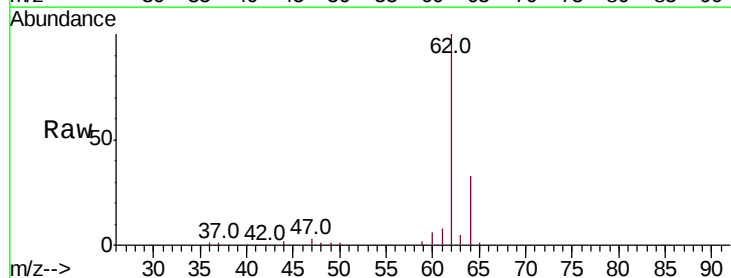
Acq: 19 Feb 2019 9:02

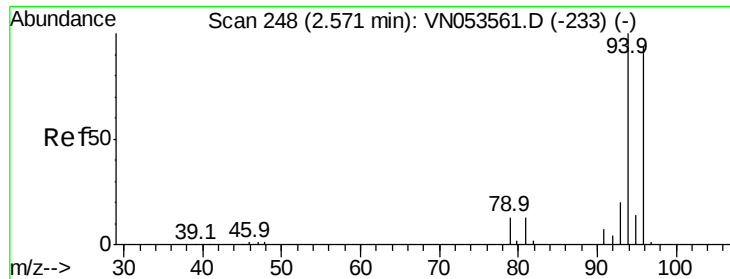
Tgt Ion: 62 Resp: 340366

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2

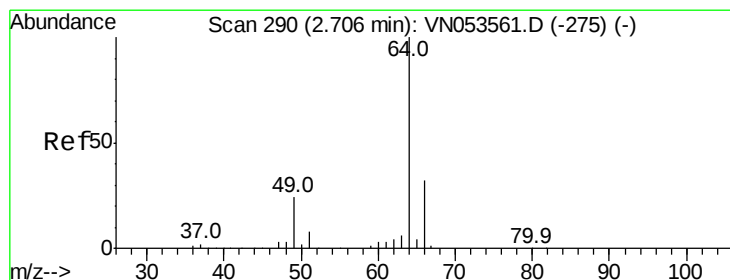
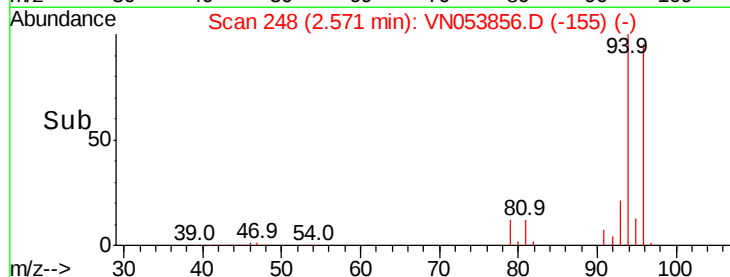
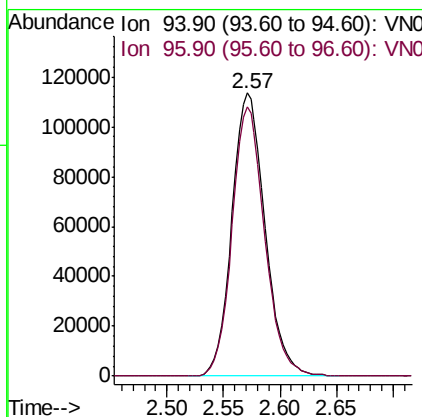
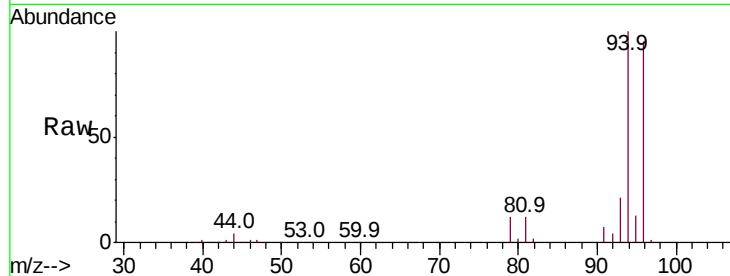




#5
Bromomethane
Concen: 48.401 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

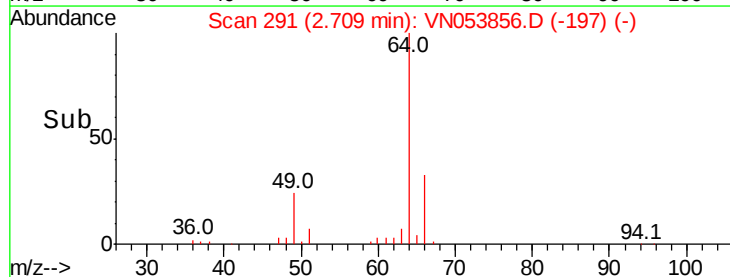
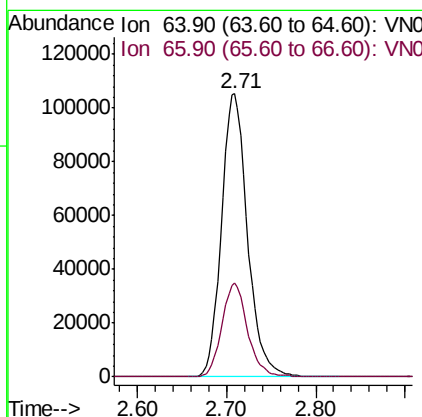
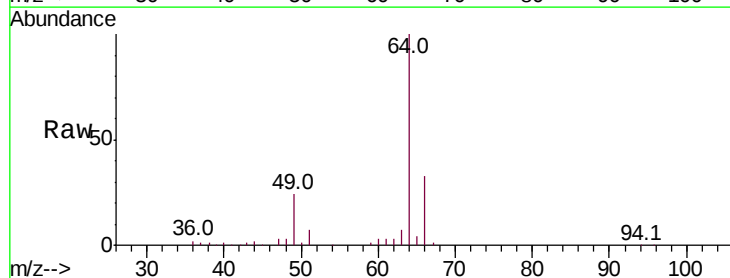
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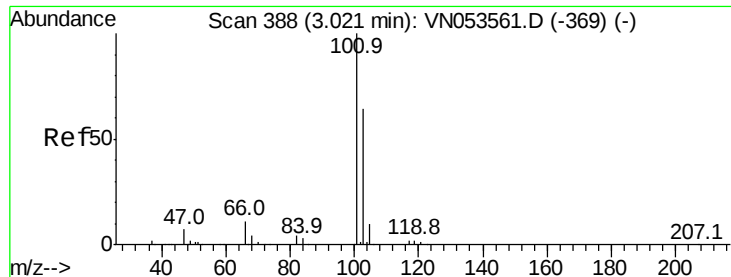
Tot Ion: 94 Resp: 231486
Ion Ratio Lower Upper
94 100
96 94.9 76.8 115.2



#6
Chloroethane
Concen: 50.819 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion: 64 Resp: 212421
Ion Ratio Lower Upper
64 100
66 33.2 25.1 37.7





#7

Trichlorofluoromethane

Concen: 49.404 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

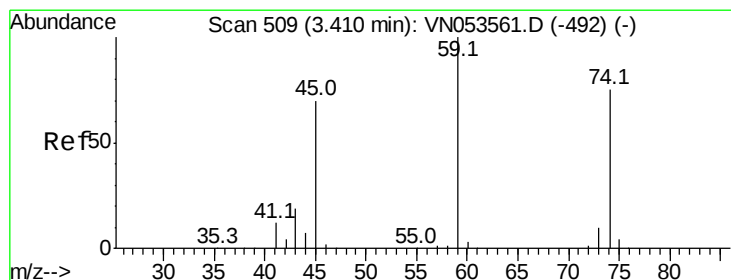
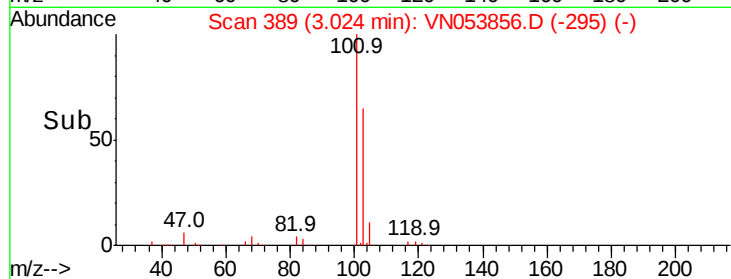
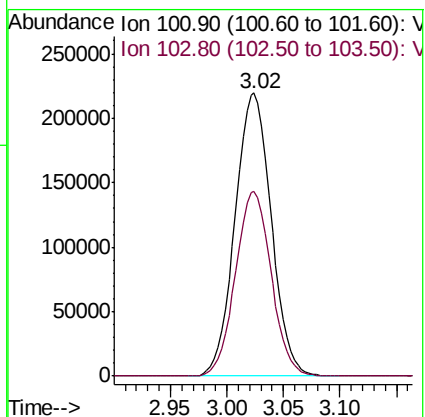
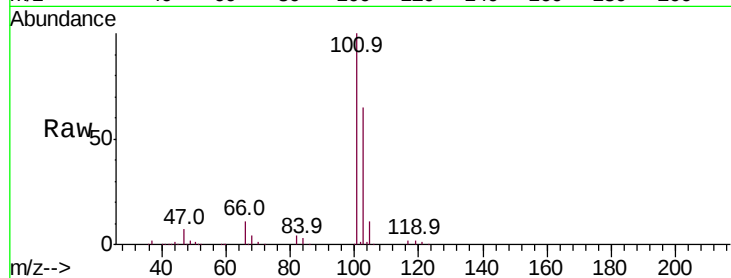
VSTDCCC050

Tot Ion:101 Resp: 490050

Ion Ratio Lower Upper

101 100

103 65.5 51.6 77.4



#8

Diethyl Ether

Concen: 44.398 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN053856.D

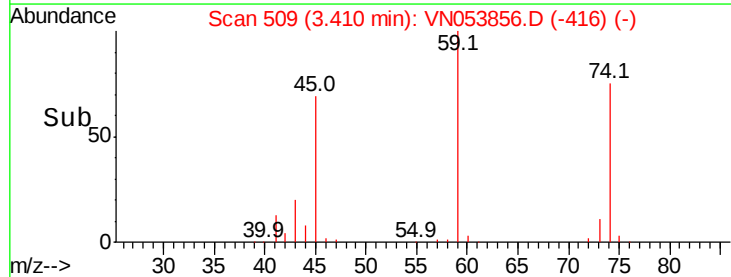
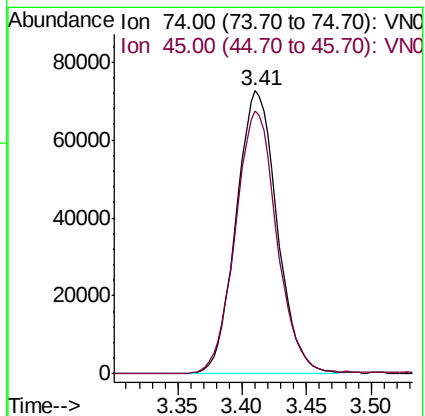
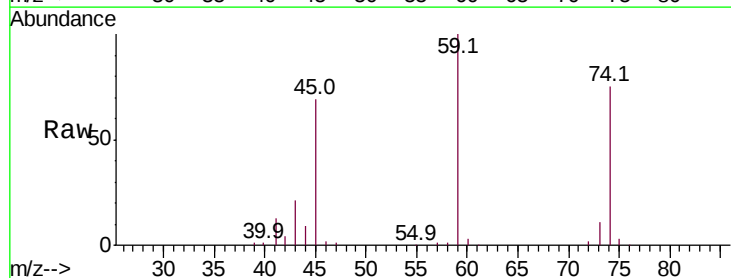
Acq: 19 Feb 2019 9:02

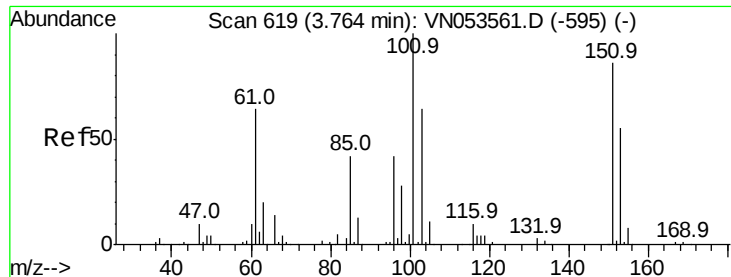
Tgt Ion: 74 Resp: 160835

Ion Ratio Lower Upper

74 100

45 94.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.739 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

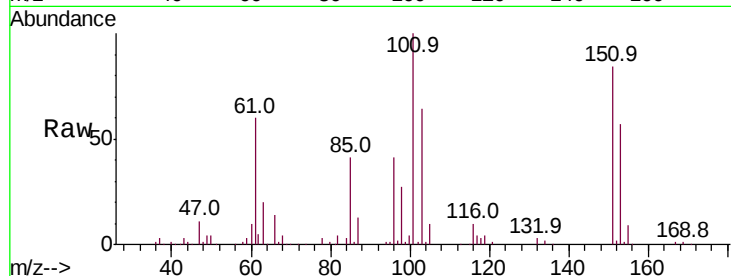
Tot Ion:101 Resp: 298995

Ion Ratio Lower Upper

101 100

85 40.9 32.8 49.2

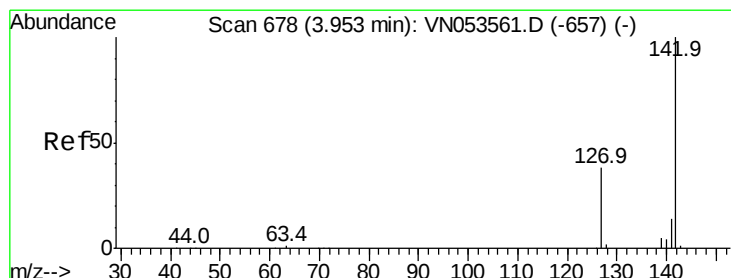
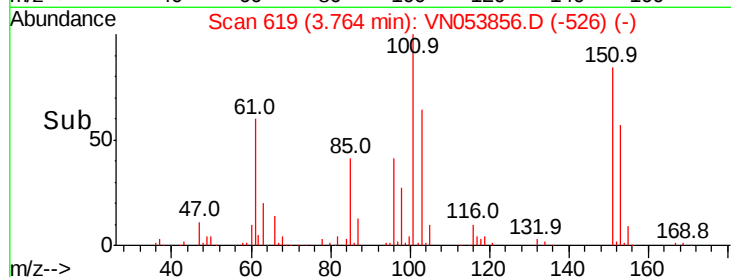
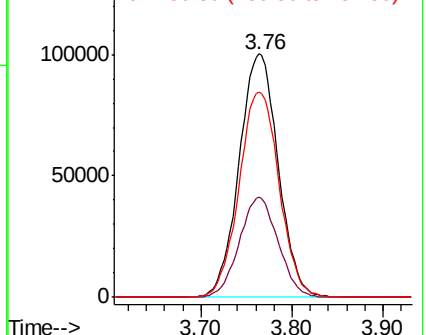
151 86.4 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.740 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

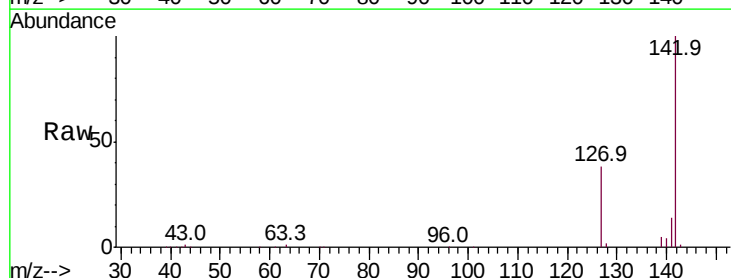
Tgt Ion:142 Resp: 421157

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.4

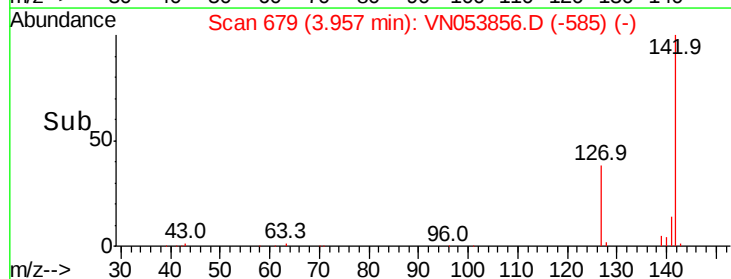
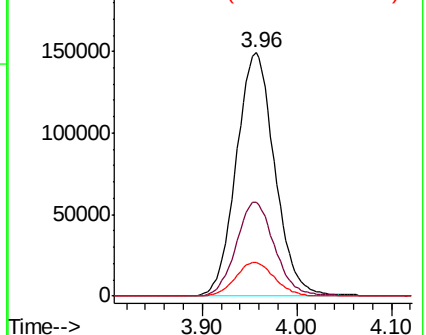
141 14.2 11.1 16.7

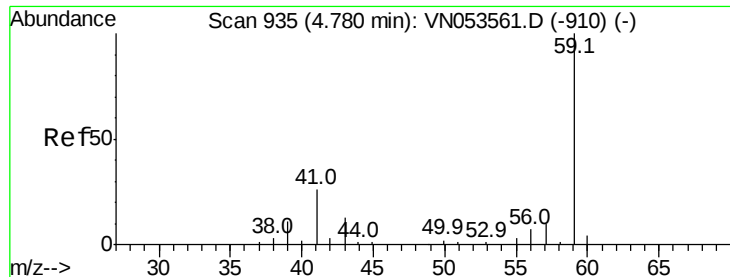


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

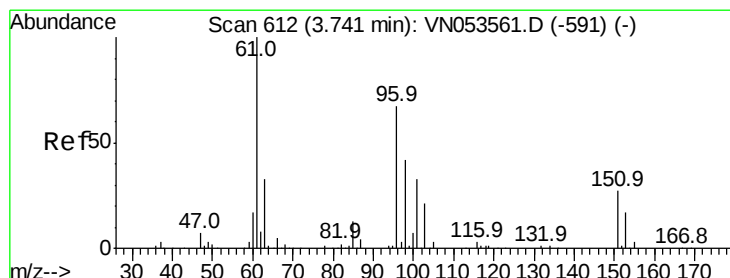
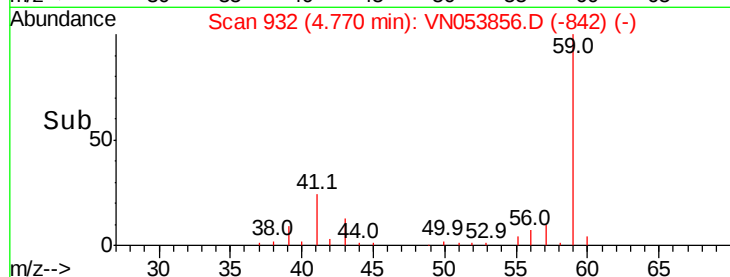
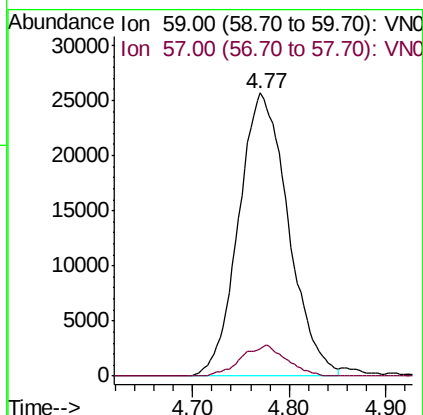
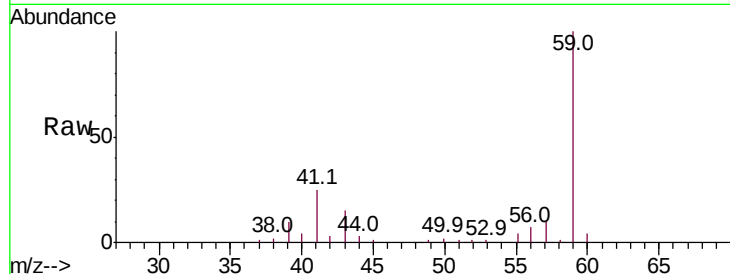




#11
Tert butyl alcohol
Concen: 242.593 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

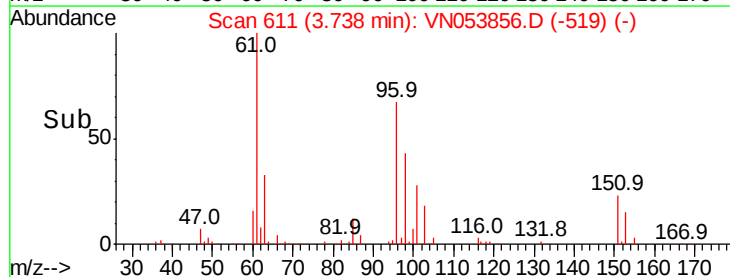
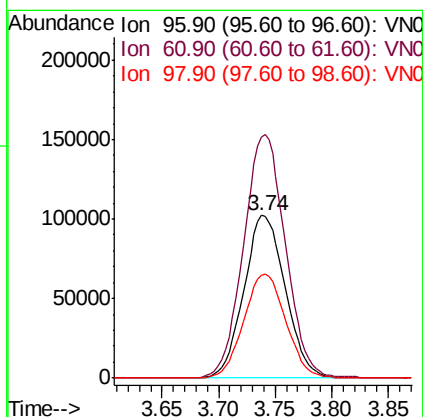
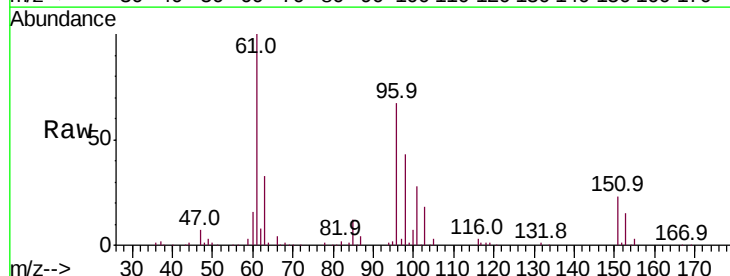
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

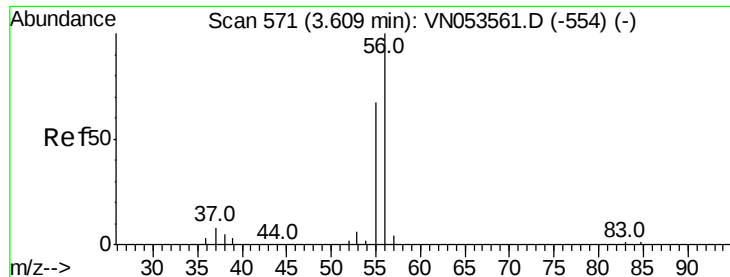
Tot Ion: 59 Resp: 91416
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4



#12
1,1-Dichloroethene
Concen: 44.335 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion: 96 Resp: 260578
Ion Ratio Lower Upper
96 100
61 148.4 122.9 184.3
98 63.1 49.4 74.0





#13

Acrolein

Concen: 281.005 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

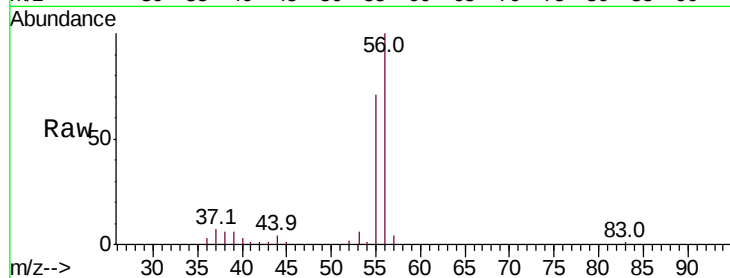
VSTDCCC050

Tot Ion: 56 Resp: 57653

Ion Ratio Lower Upper

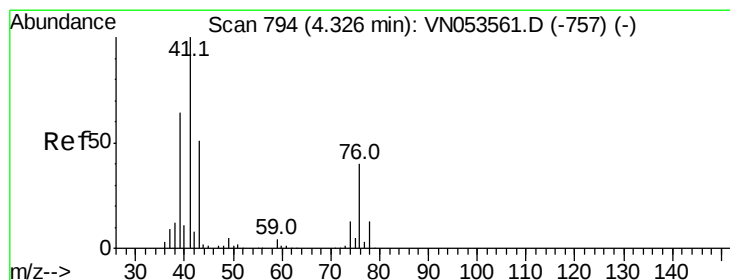
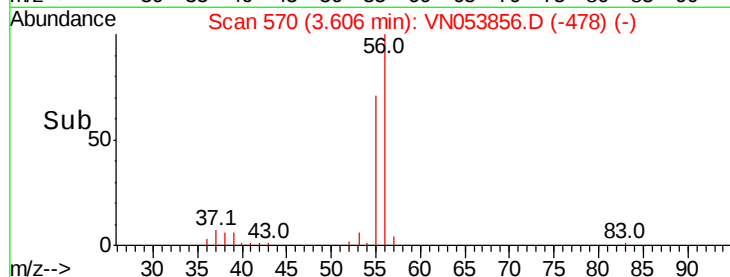
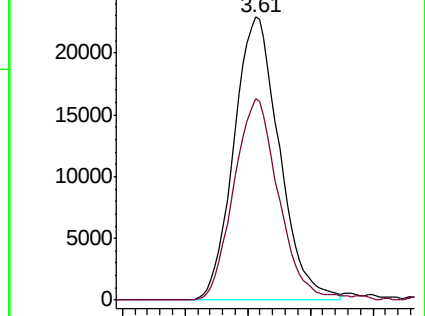
56 100

55 70.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 44.823 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

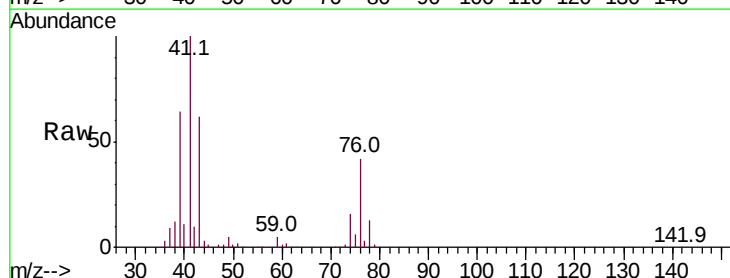
Tgt Ion: 41 Resp: 419460

Ion Ratio Lower Upper

41 100

39 60.8 48.9 73.3

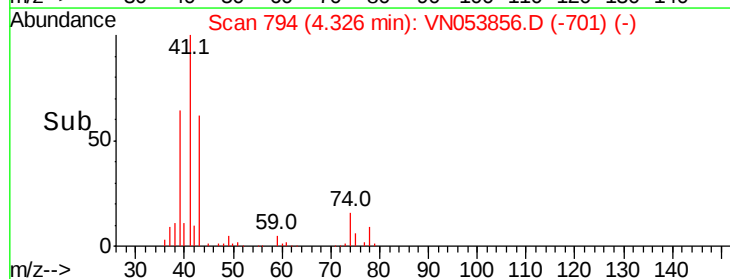
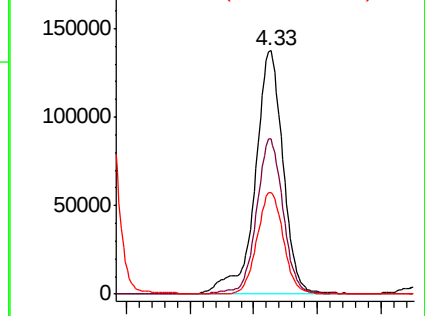
76 38.6 29.4 44.2

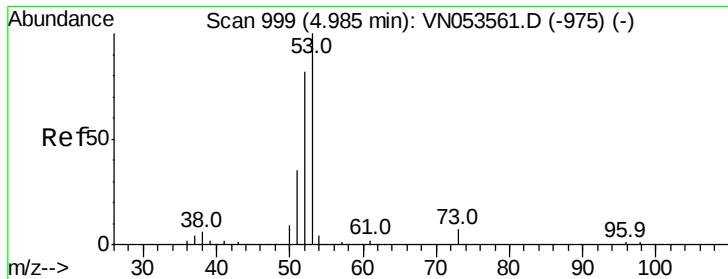


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 242.880 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

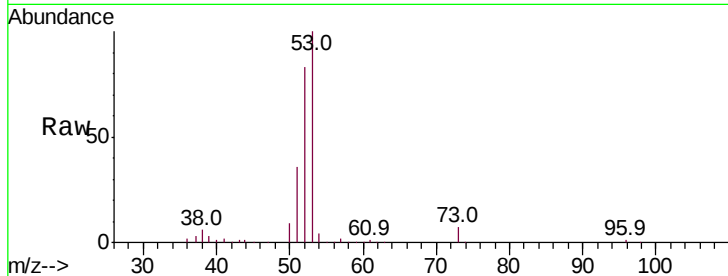
Tot Ion: 53 Resp: 494094

Ion Ratio Lower Upper

53 100

52 81.5 66.0 99.0

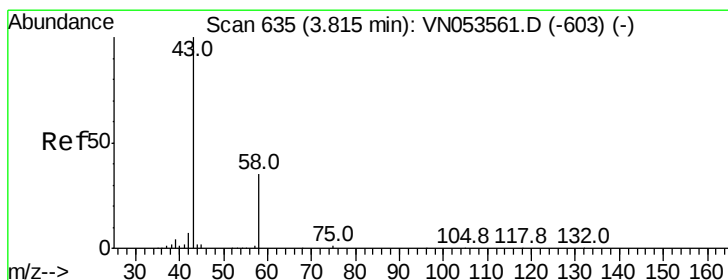
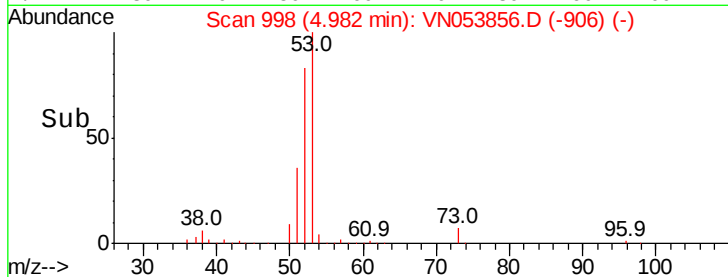
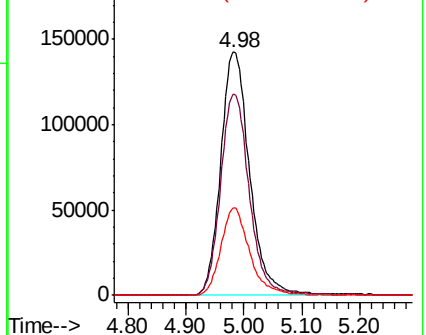
51 35.9 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 335.067 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053856.D

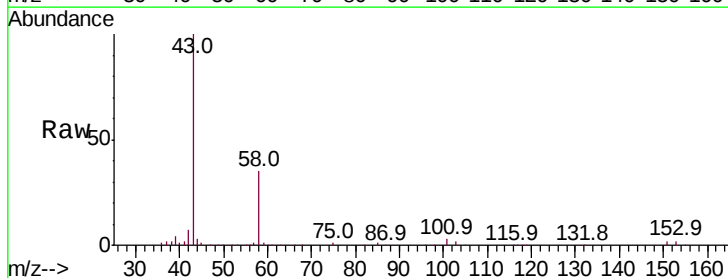
Acq: 19 Feb 2019 9:02

Tgt Ion: 43 Resp: 547235

Ion Ratio Lower Upper

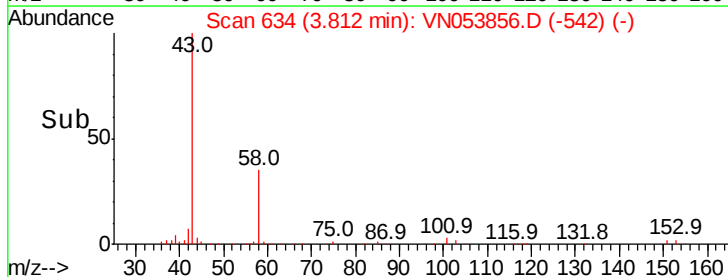
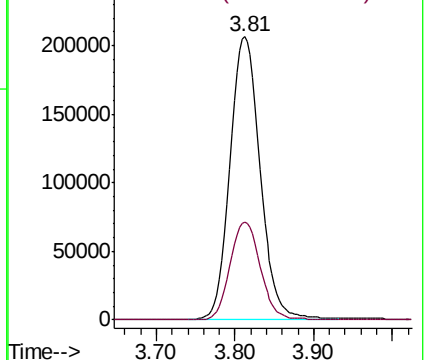
43 100

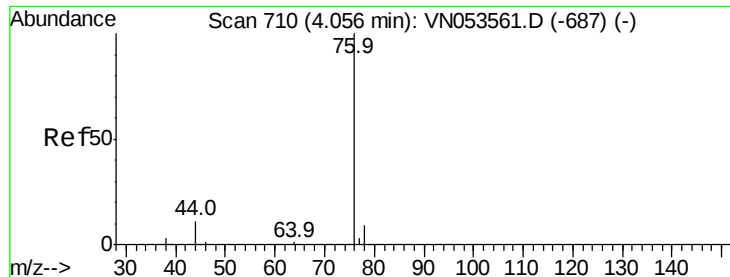
58 34.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 37.809 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

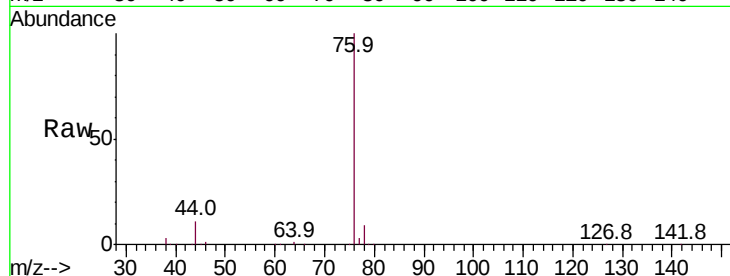
VSTDCCC050

Tot Ion: 76 Resp: 691954

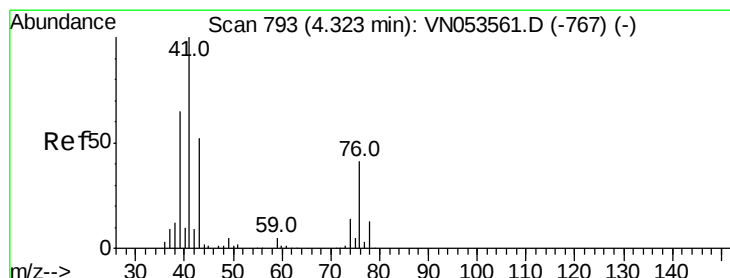
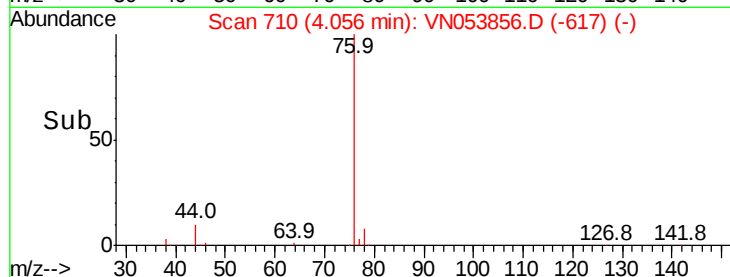
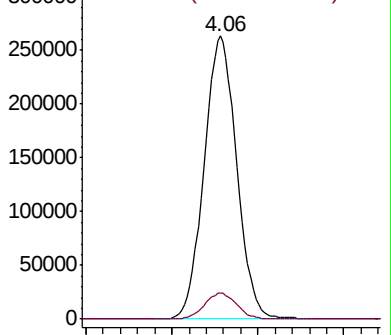
Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 52.967 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053856.D

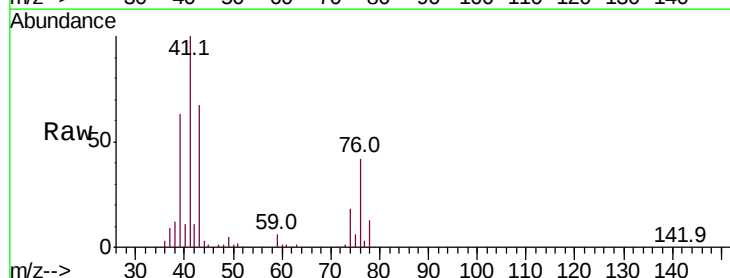
Acq: 19 Feb 2019 9:02

Tgt Ion: 43 Resp: 256193

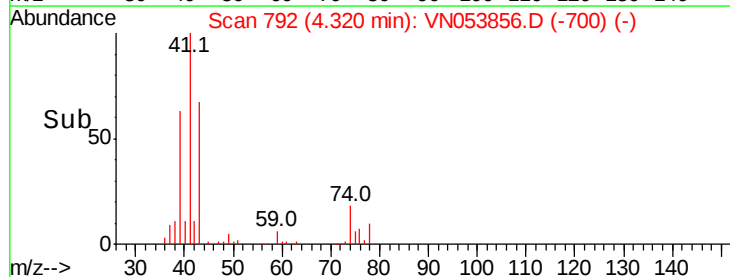
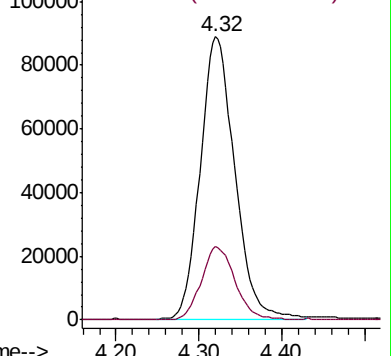
Ion Ratio Lower Upper

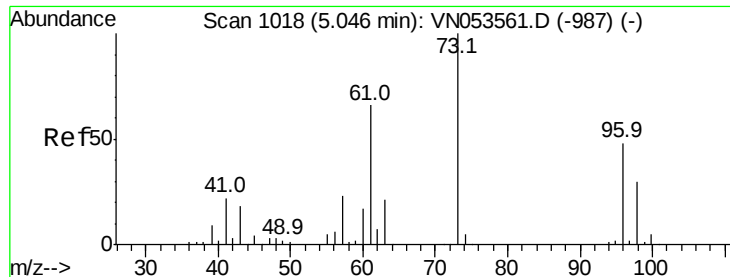
43 100

74 25.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

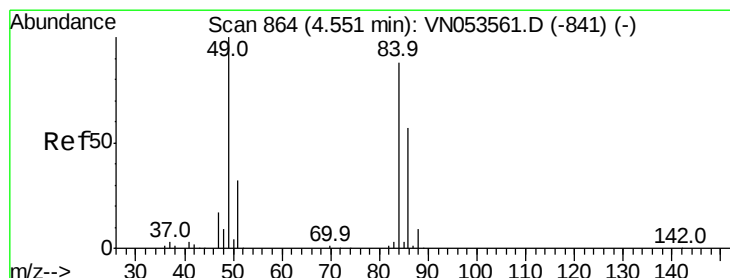
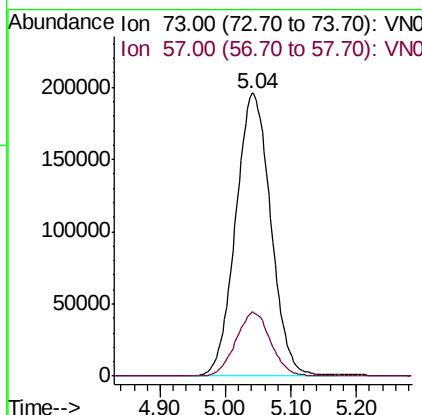
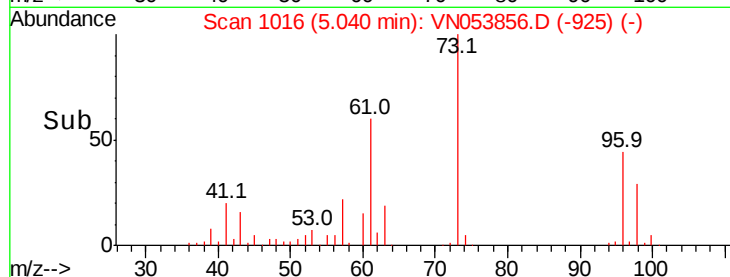
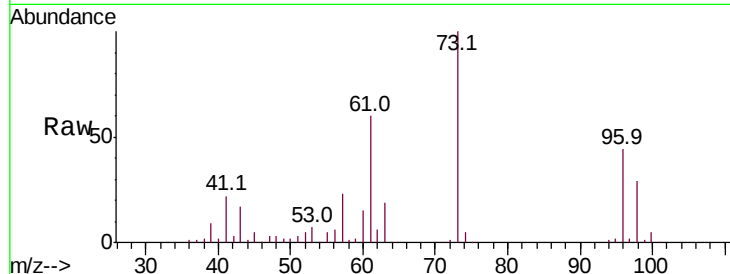




#19
Methyl tert-butyl Ether
Concen: 49.147 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

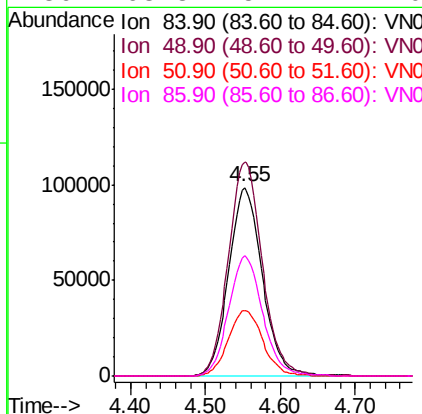
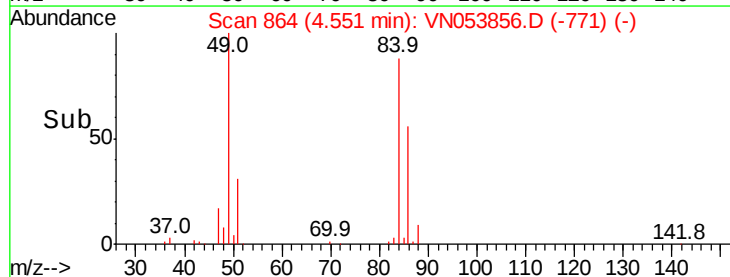
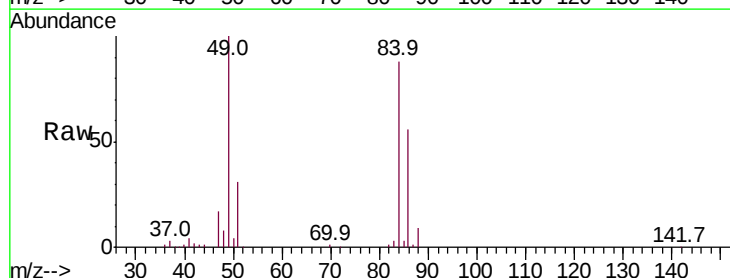
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

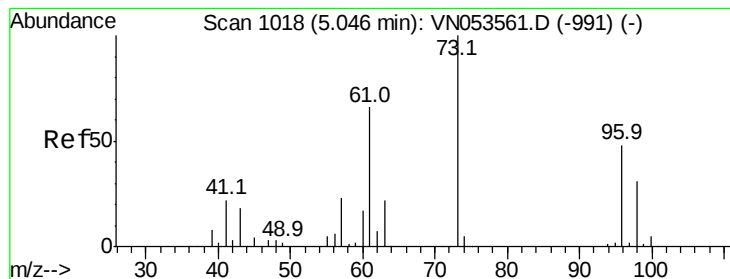
Tot Ion: 73 Resp: 732278
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5



#20
Methylene Chloride
Concen: 45.000 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion: 84 Resp: 308336
Ion Ratio Lower Upper
84 100
49 113.5 94.3 141.5
51 35.0 29.4 44.2
86 63.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 44.542 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

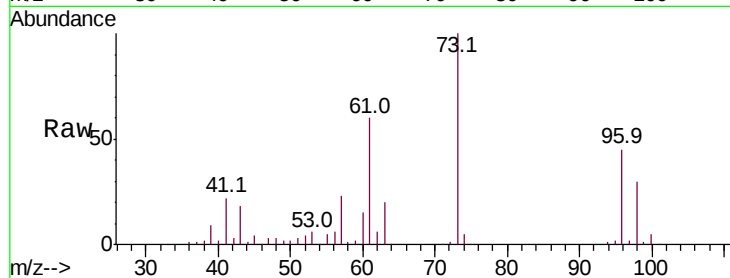
Tot Ion: 96 Resp: 282441

Ion Ratio Lower Upper

96 100

61 134.7 110.1 165.1

98 66.3 50.0 75.0

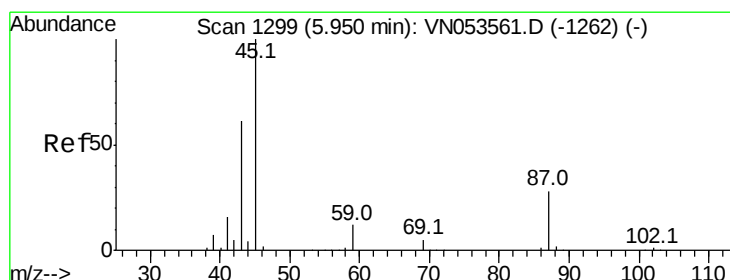
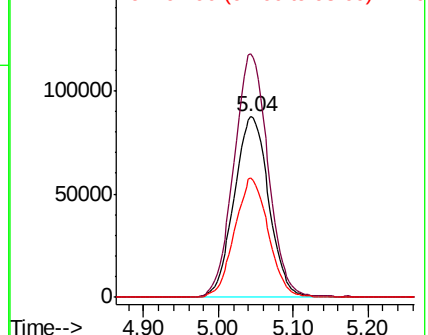
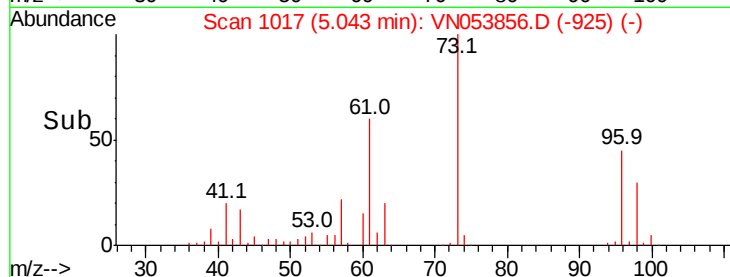


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.785 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Tgt Ion: 45 Resp: 845929

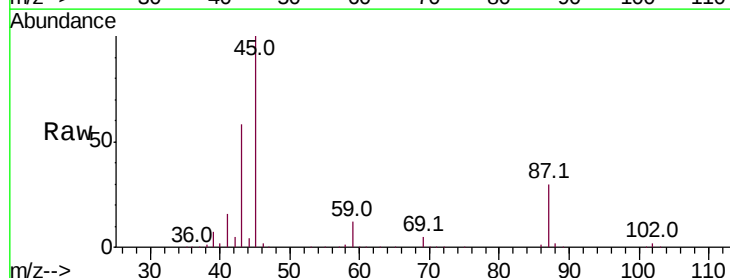
Ion Ratio Lower Upper

45 100

43 57.5 44.2 66.4

87 29.0 22.7 34.1

59 12.3 9.4 14.2



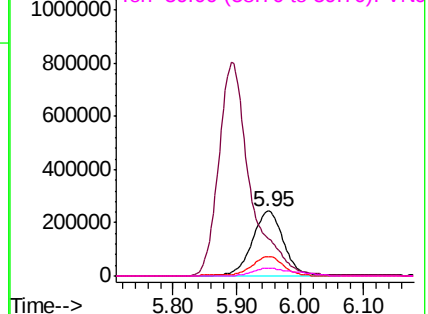
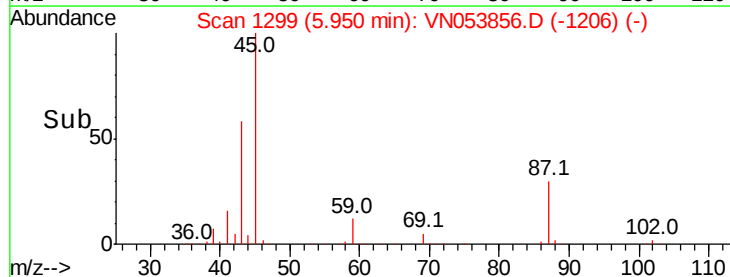
Abundance

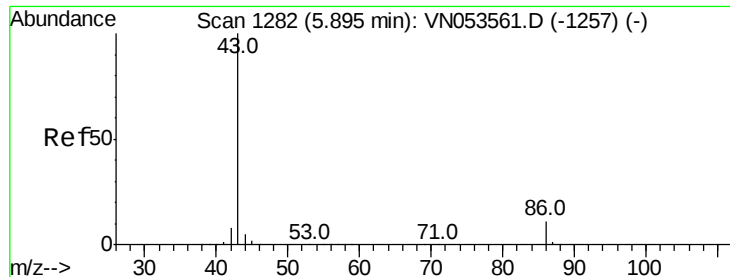
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

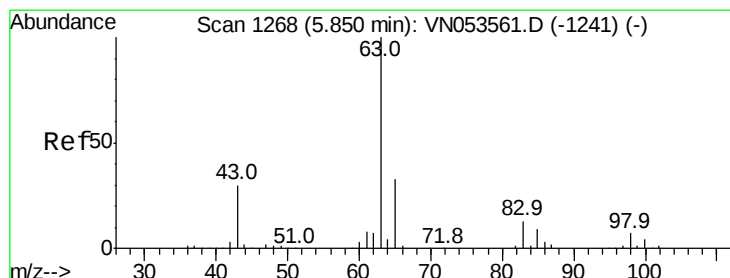
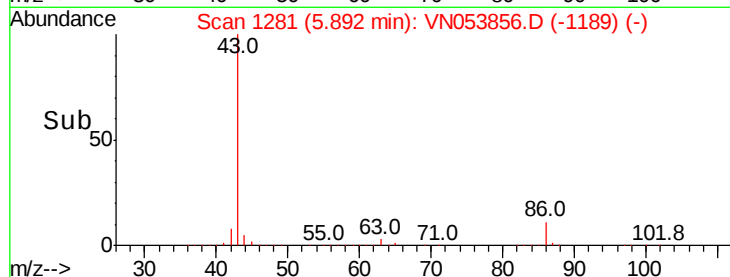
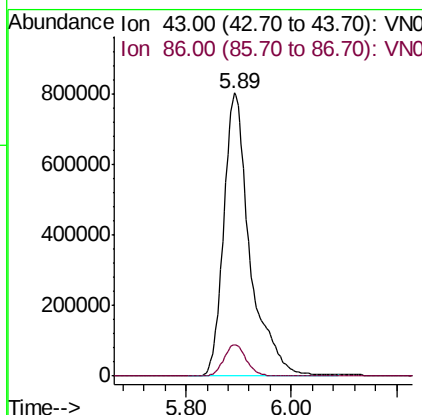
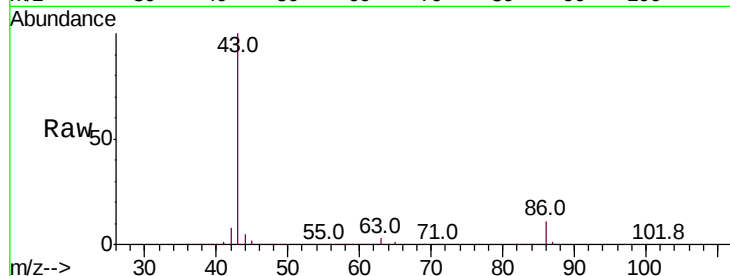




#23
 Vinyl Acetate
 Concen: 231.070 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053856.D
 Acq: 19 Feb 2019 9:02

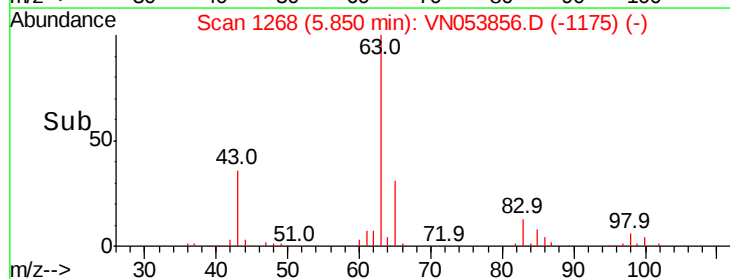
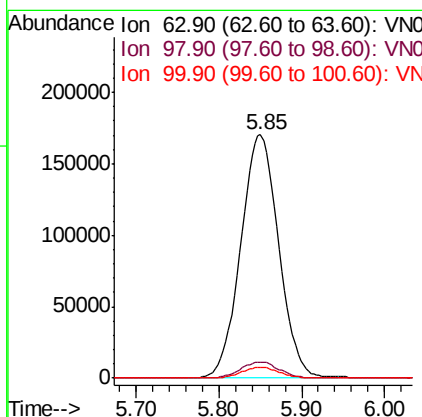
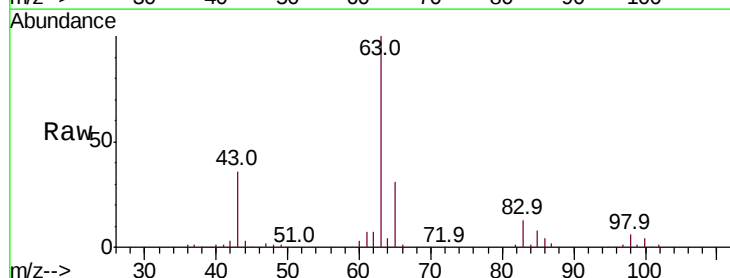
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

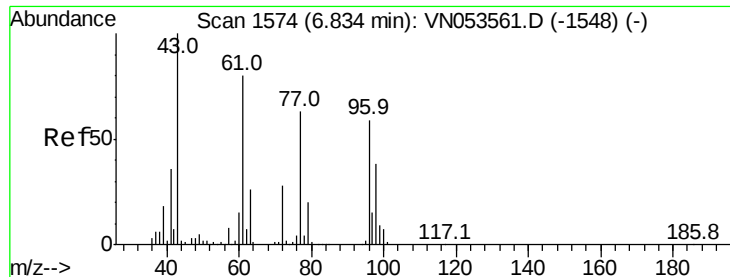
Tot Ion: 43 Resp: 2771793
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 46.739 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053856.D
 Acq: 19 Feb 2019 9:02

Tgt Ion: 63 Resp: 540563
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.9
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 274.659 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

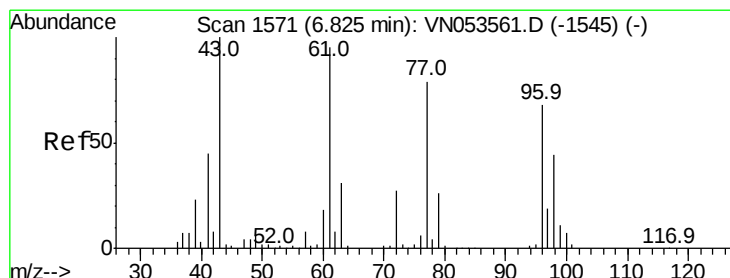
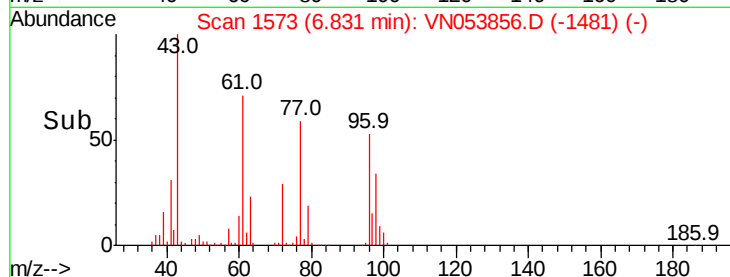
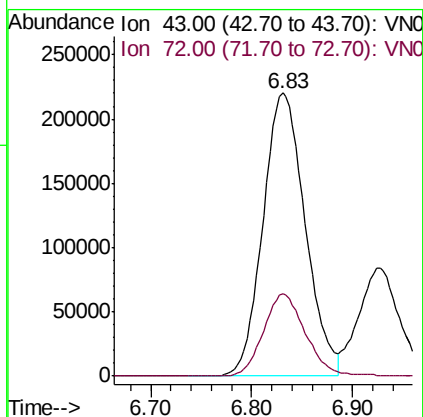
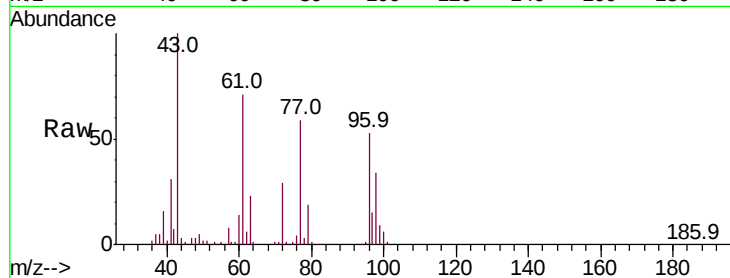
VSTDCCC050

Tot Ion: 43 Resp: 639769

Ion Ratio Lower Upper

43 100

72 29.1 22.0 33.0



#26

2,2-Dichloropropane

Concen: 49.293 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN053856.D

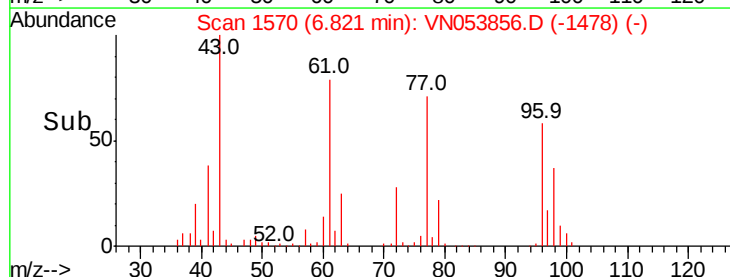
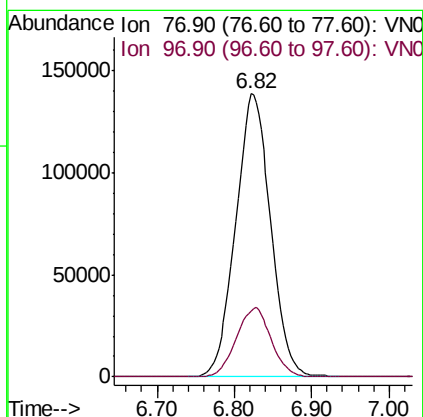
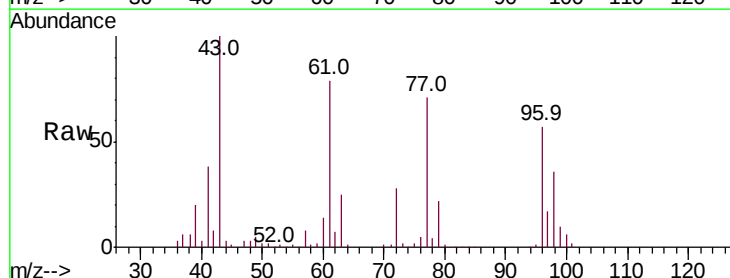
Acq: 19 Feb 2019 9:02

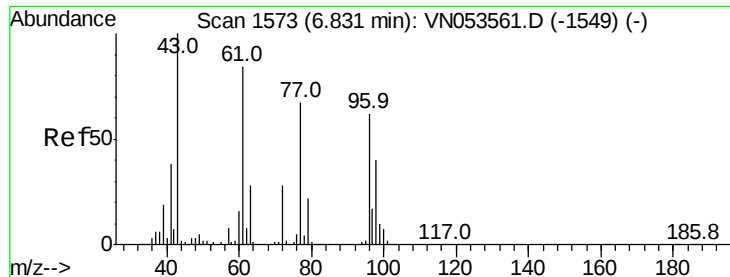
Tgt Ion: 77 Resp: 435190

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.501 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

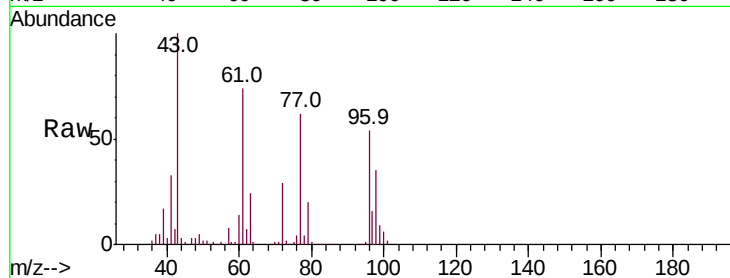
Tot Ion: 96 Resp: 341978

Ion Ratio Lower Upper

96 100

61 136.7 0.0 283.8

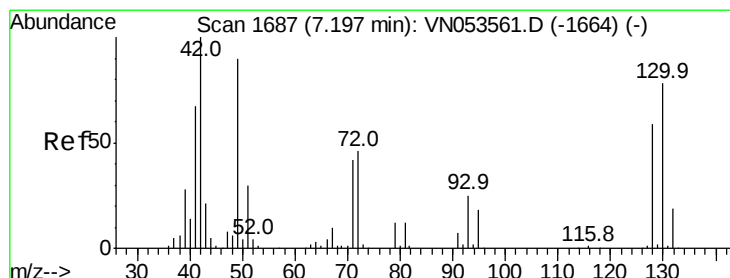
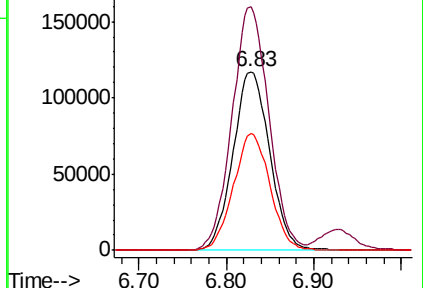
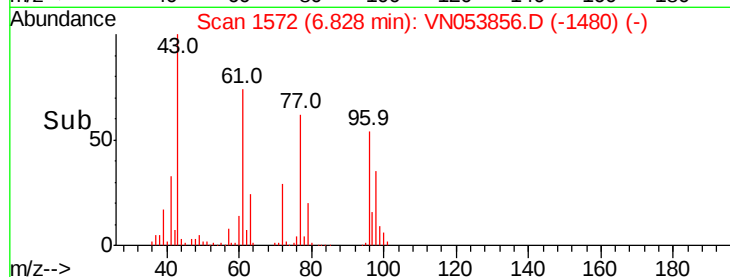
98 65.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.690 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

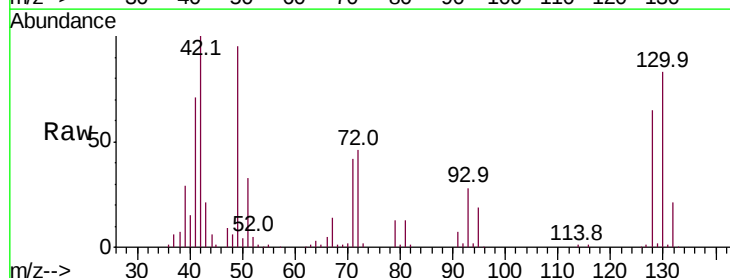
Tgt Ion: 49 Resp: 254410

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

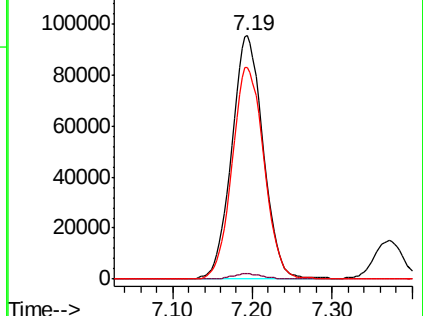
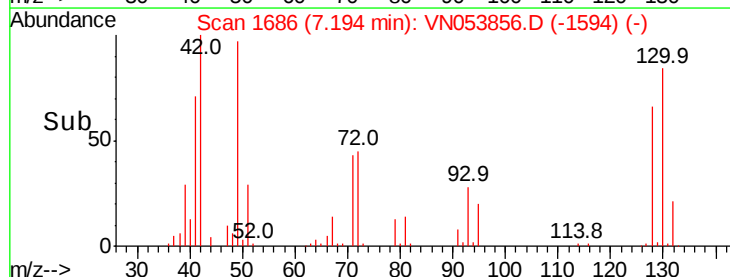
130 88.0 66.3 99.5

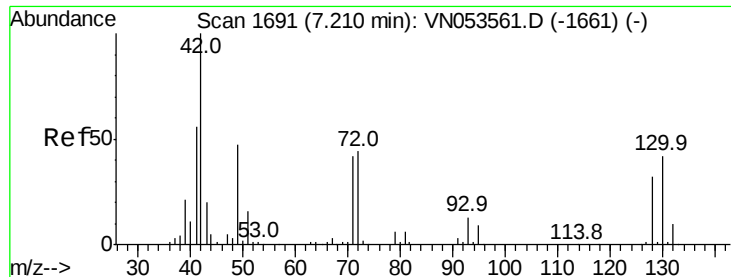


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 254.425 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

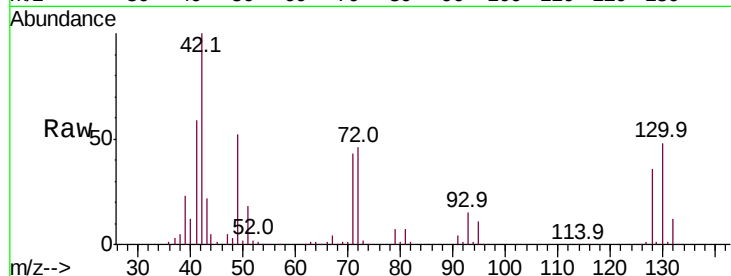
Tot Ion: 42 Resp: 380550

Ion Ratio Lower Upper

42 100

72 46.2 35.2 52.8

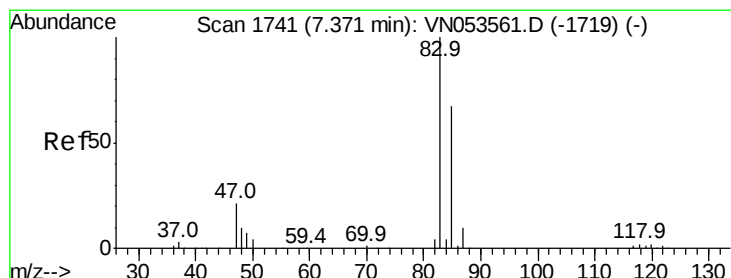
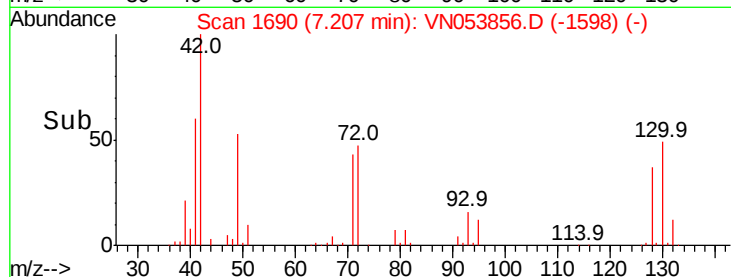
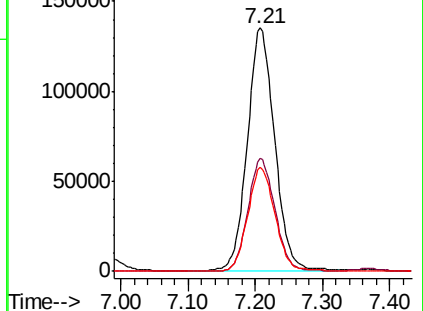
71 42.8 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.436 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053856.D

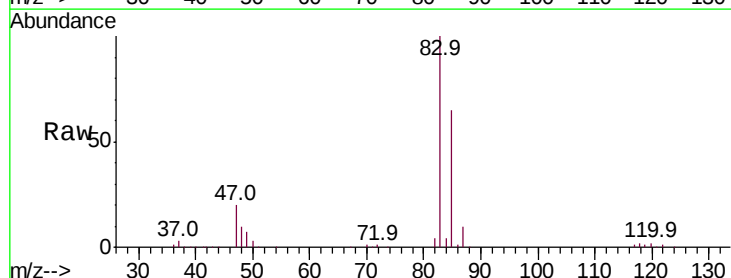
Acq: 19 Feb 2019 9:02

Tgt Ion: 83 Resp: 566778

Ion Ratio Lower Upper

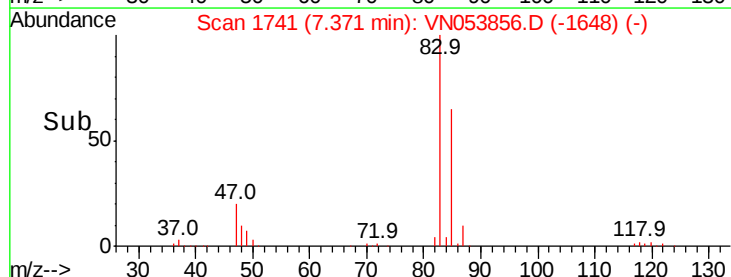
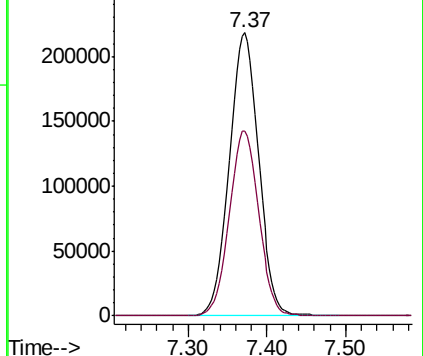
83 100

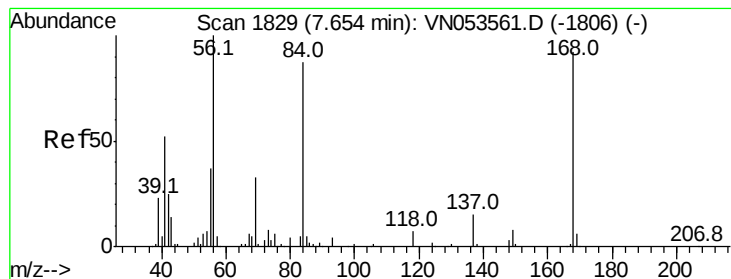
85 65.4 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 43.629 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

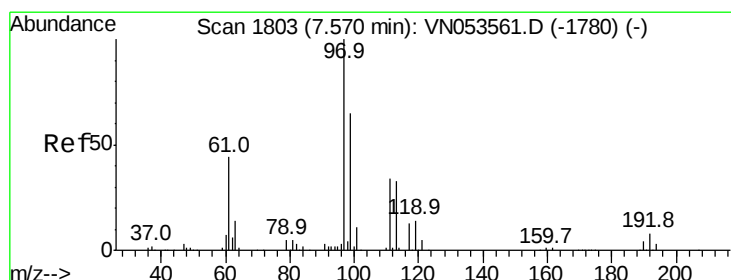
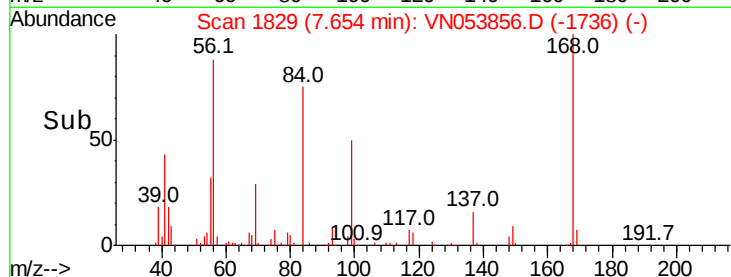
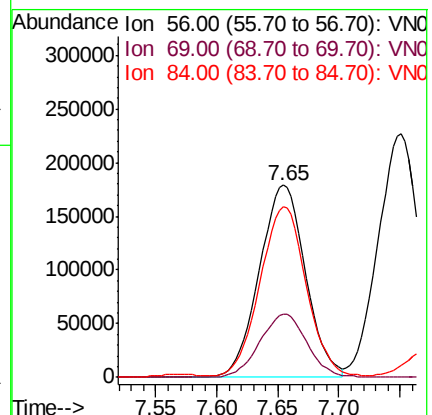
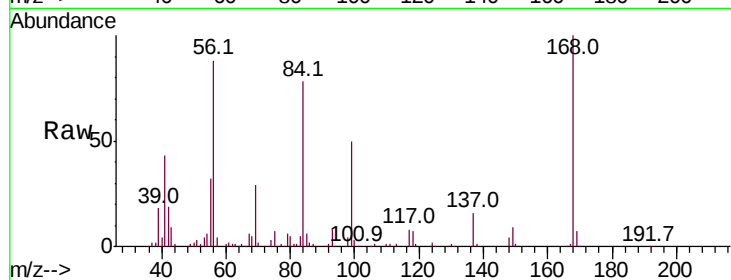
Tot Ion: 56 Resp: 470033

Ion Ratio Lower Upper

56 100

69 33.0 26.4 39.6

84 87.3 67.9 101.9



#32

1,1,1-Trichloroethane

Concen: 49.583 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

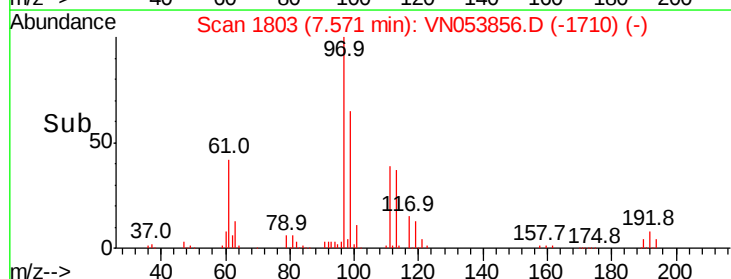
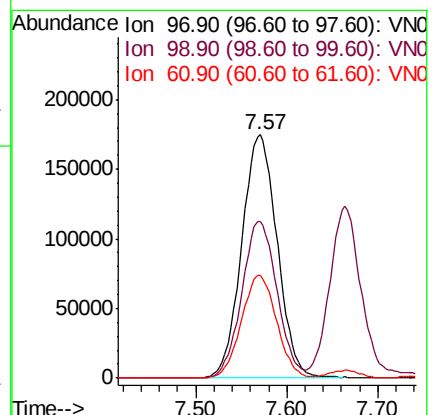
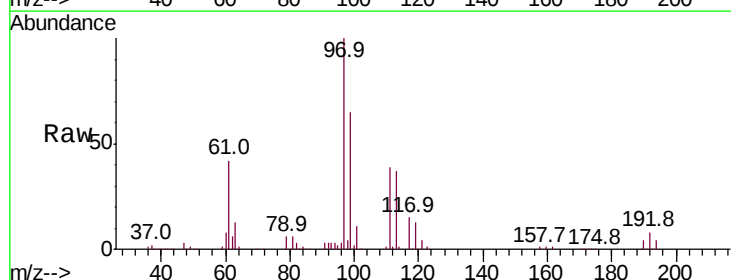
Tgt Ion: 97 Resp: 473079

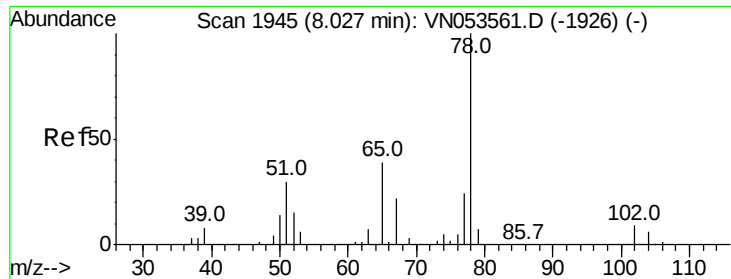
Ion Ratio Lower Upper

97 100

99 64.0 52.0 78.0

61 42.0 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 47.469 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

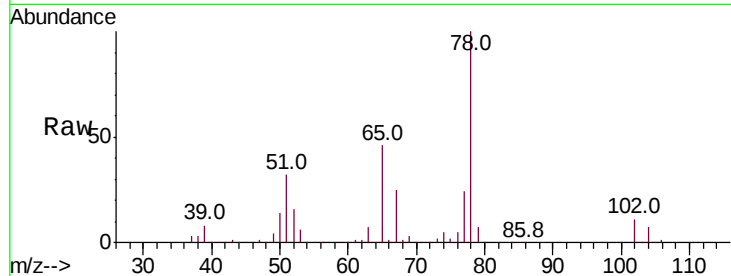
VSTDCCC050

Tot Ion: 65 Resp: 302246

Ion Ratio Lower Upper

65 100

67 55.0 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

150000

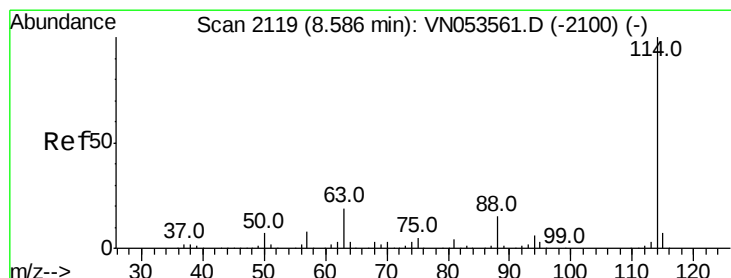
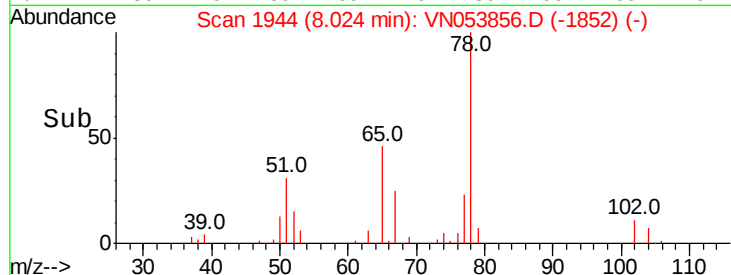
100000

50000

0

Time-->

7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

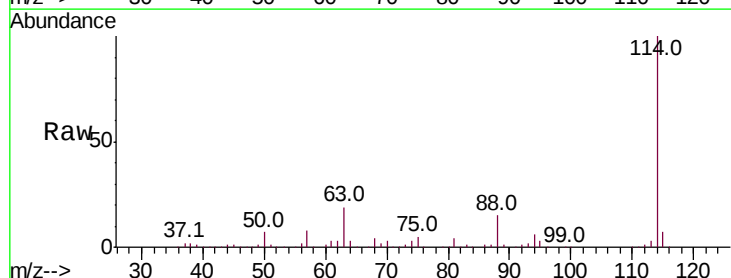
Tgt Ion: 114 Resp: 915932

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.6

88 14.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

500000

400000

300000

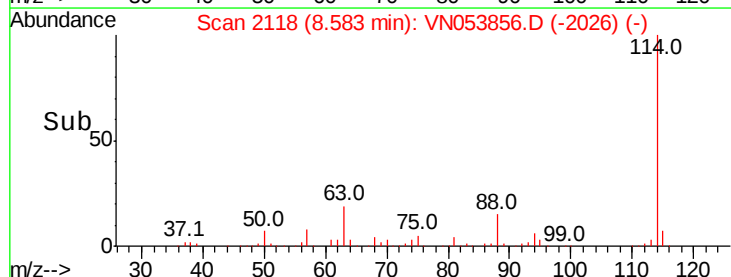
200000

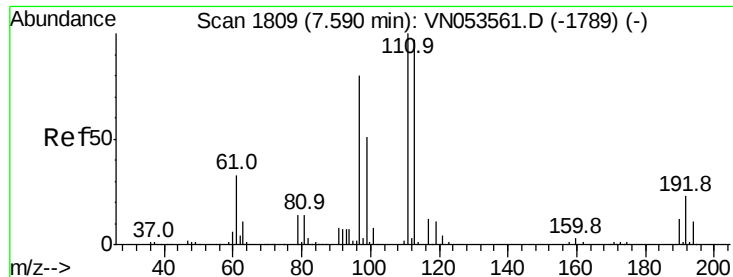
100000

0

Time-->

8.40 8.60 8.80

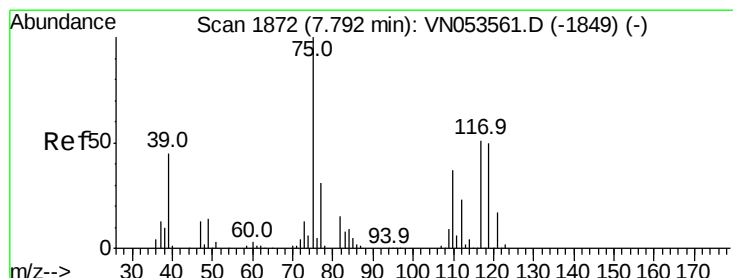
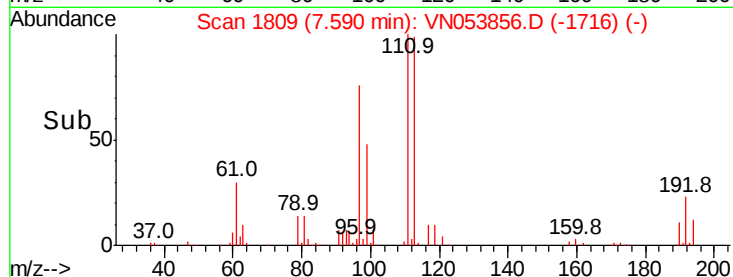
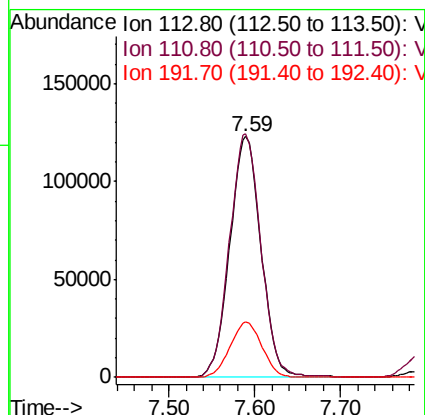
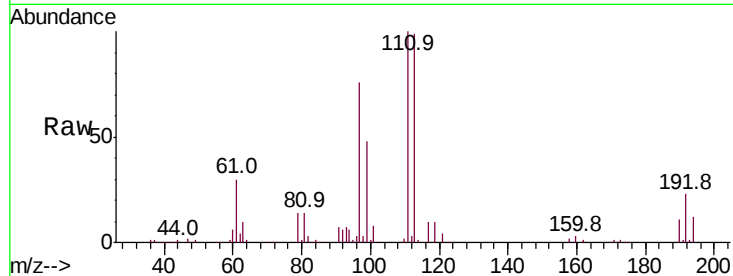




#35
 Dibromofluoromethane
 Concen: 53.533 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053856.D
 Acq: 19 Feb 2019 9:02

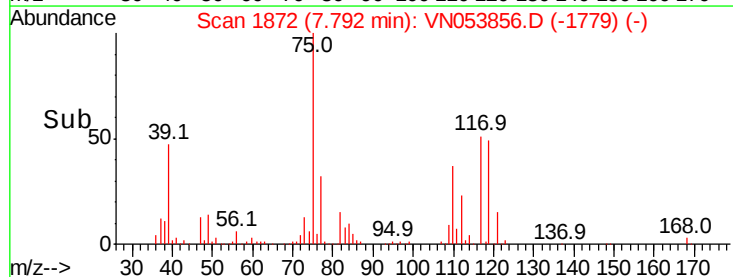
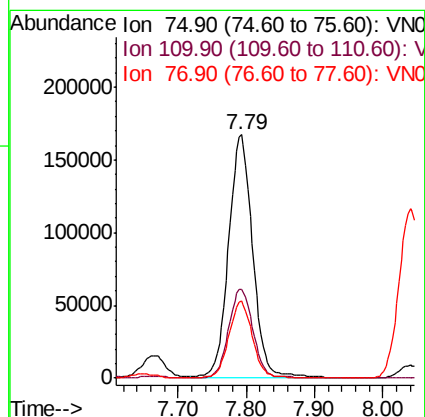
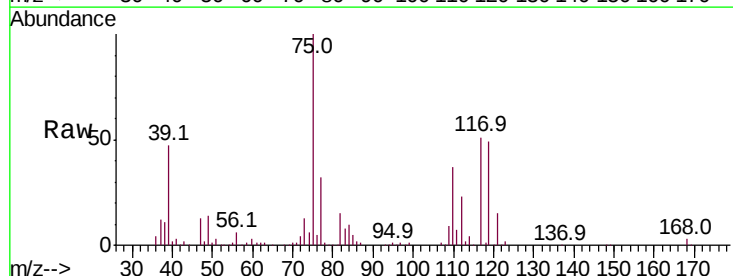
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

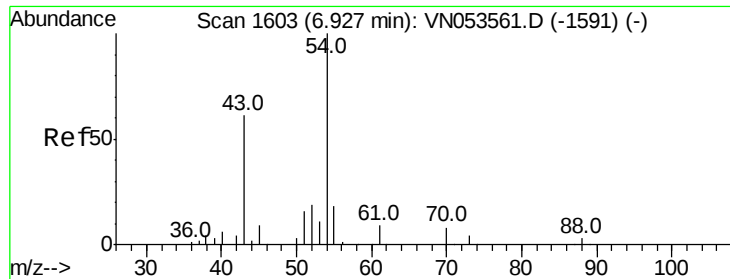
Tot Ion:113 Resp: 309820
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 23.5 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 49.678 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053856.D
 Acq: 19 Feb 2019 9:02

Tgt Ion: 75 Resp: 410171
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.1 54.3
 77 30.9 25.1 37.7

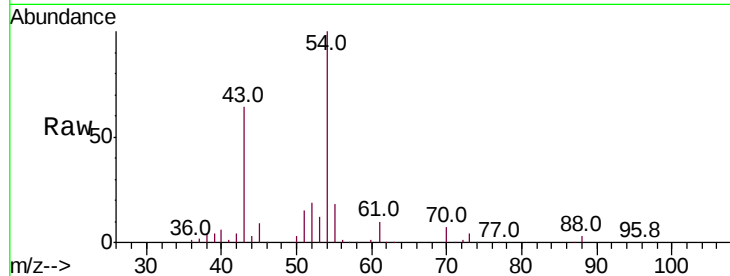




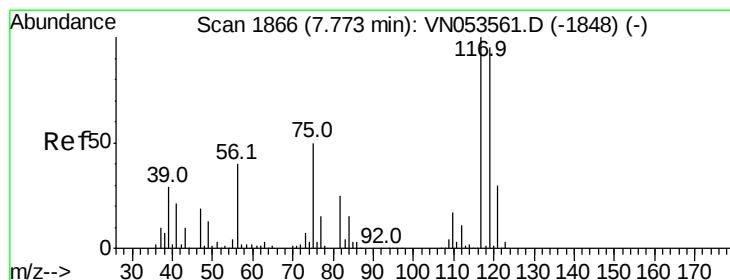
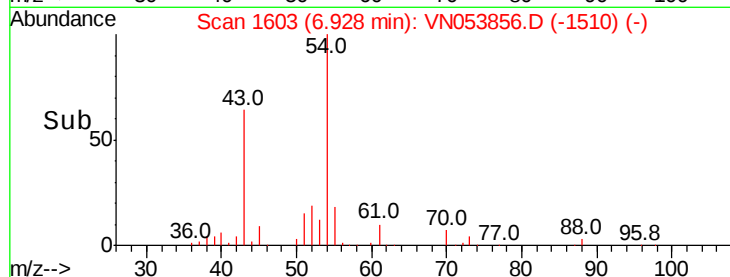
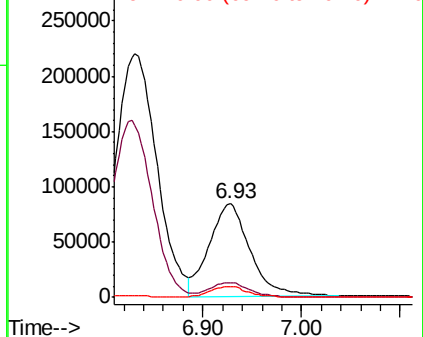
#37
Ethyl Acetate
Concen: 52.357 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 241434
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 11.3 8.6 12.8

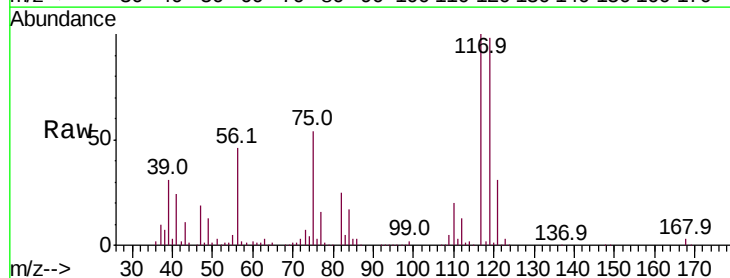


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

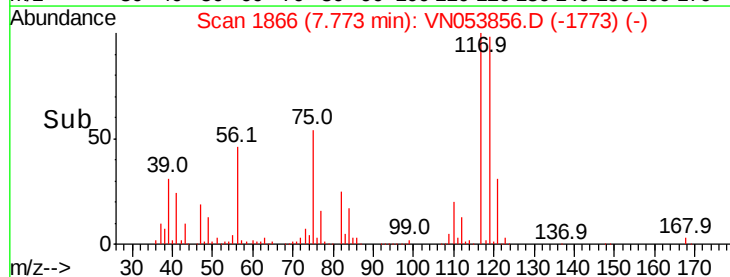
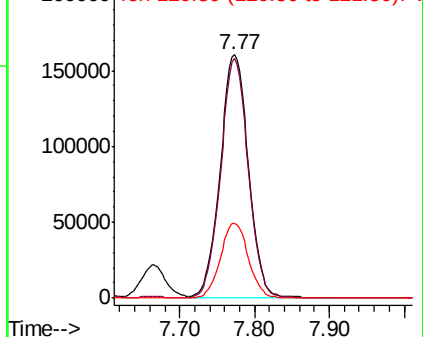


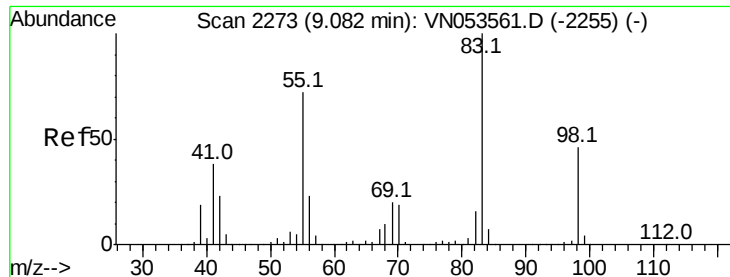
#38
Carbon Tetrachloride
Concen: 50.353 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion: 117 Resp: 418814
Ion Ratio Lower Upper
117 100
119 98.3 77.2 115.8
121 30.9 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

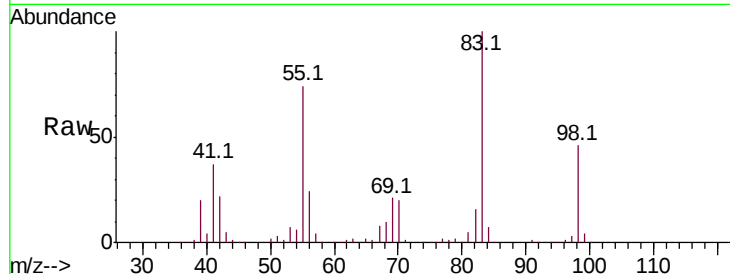




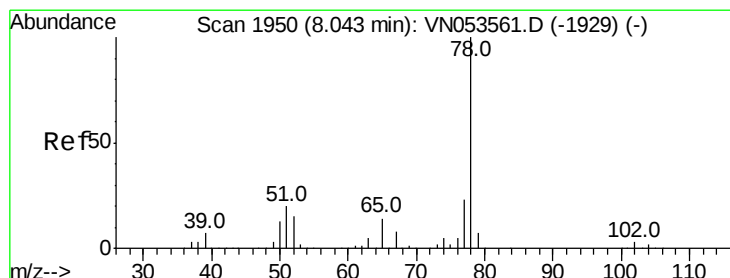
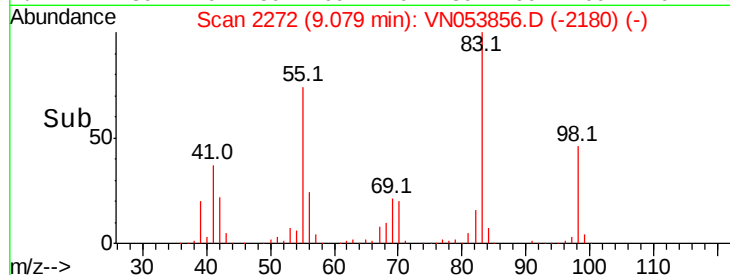
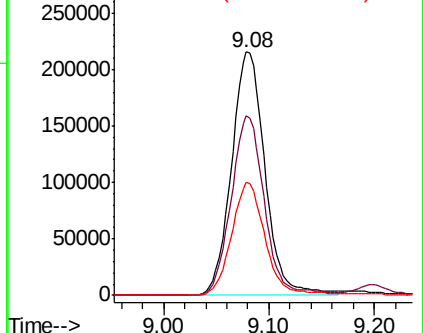
#39
Methvlcvclohexane
Concen: 48.575 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 475822
Ion Ratio Lower Upper
83 100
55 73.4 60.1 90.1
98 46.3 36.6 55.0

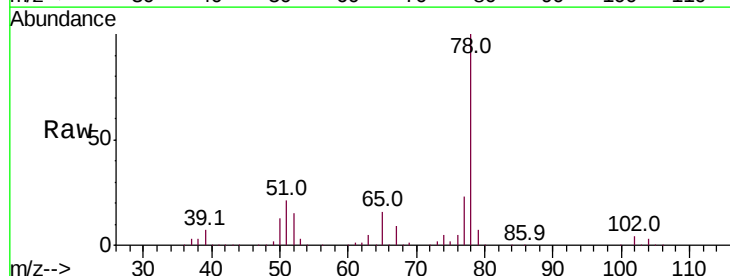


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

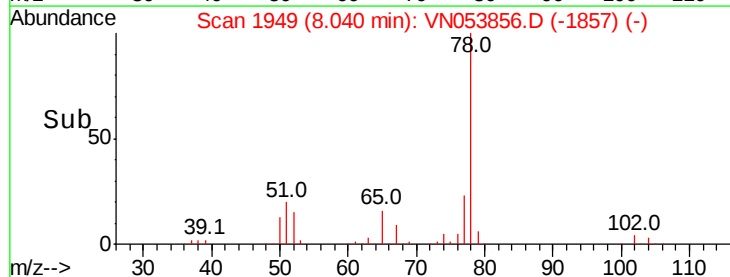
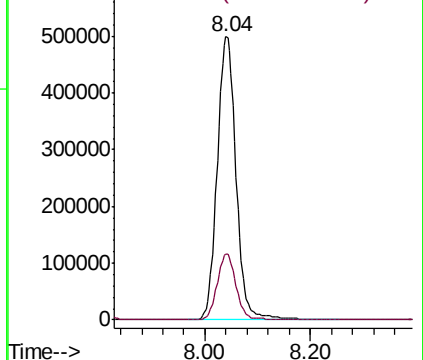


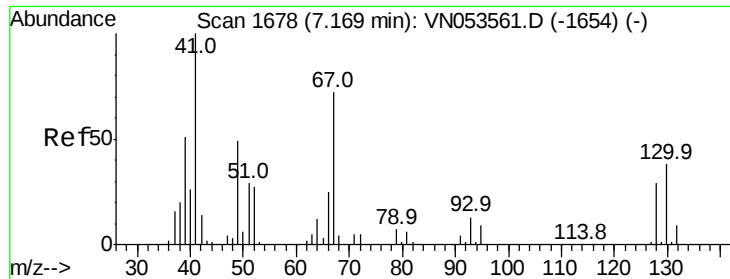
#40
Benzene
Concen: 48.358 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion: 78 Resp: 1231254
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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

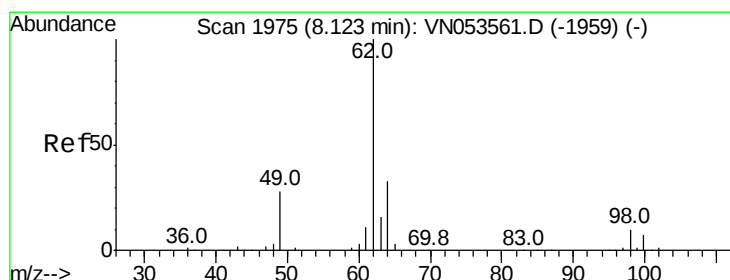
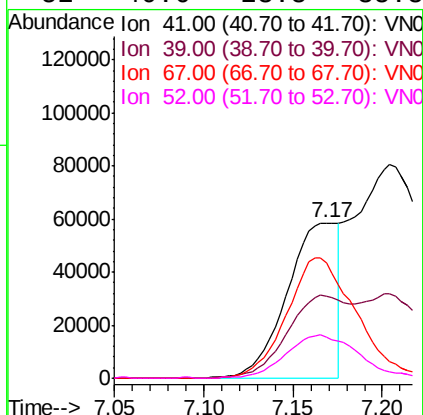
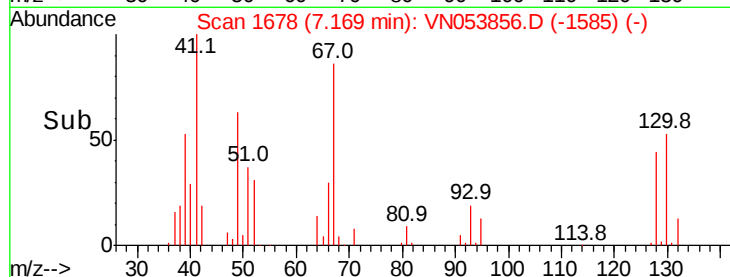
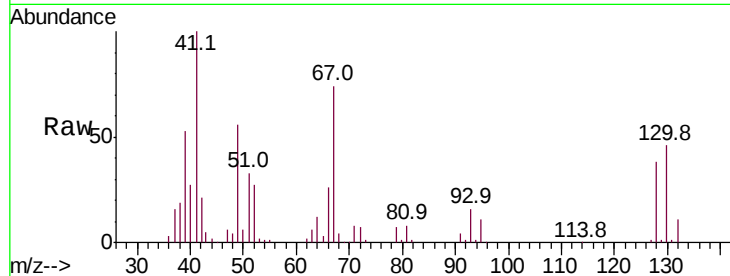




#41
Methacrylonitrile
Concen: 45.036 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

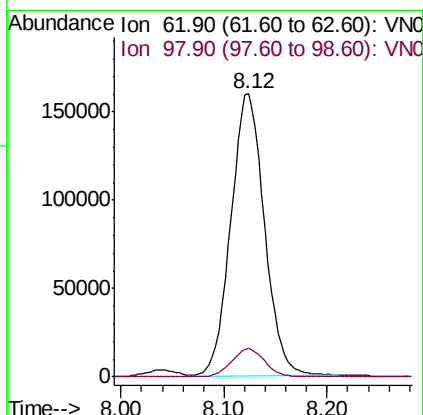
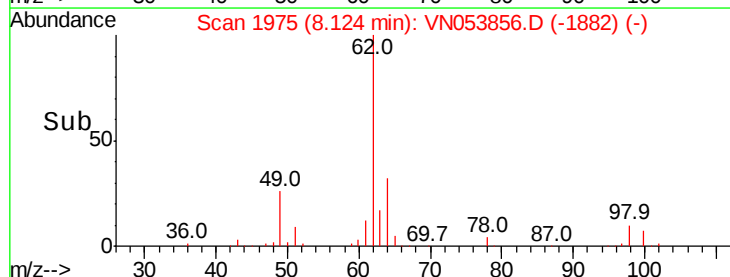
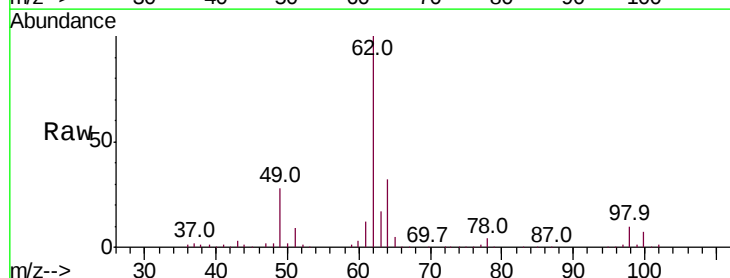
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

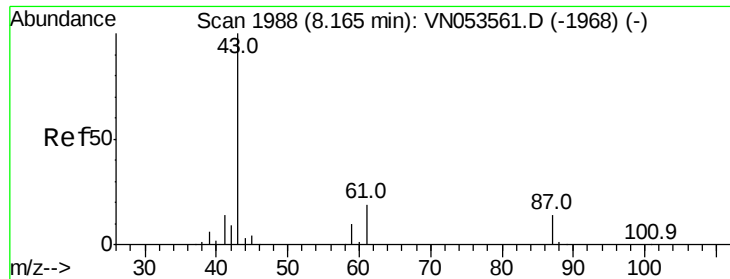
Tot Ion: 41 Resp: 116069
Ion Ratio Lower Upper
41 100
39 66.5 46.8 70.2
67 106.6 63.0 94.6#
52 40.6 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 47.964 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion: 62 Resp: 362607
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6





#43

Isopropyl Acetate

Concen: 45.260 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

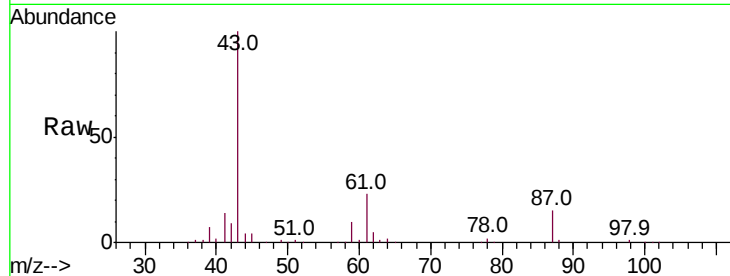
Tot Ion: 43 Resp: 403058

Ion Ratio Lower Upper

43 100

61 31.3 23.9 35.9

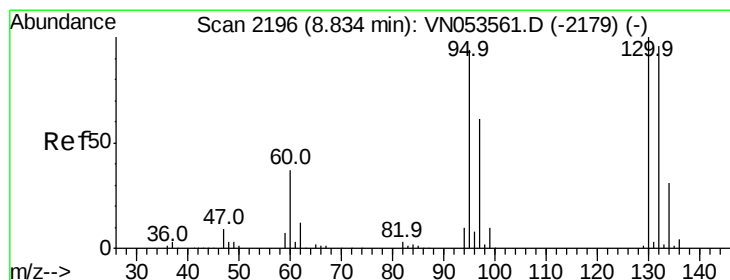
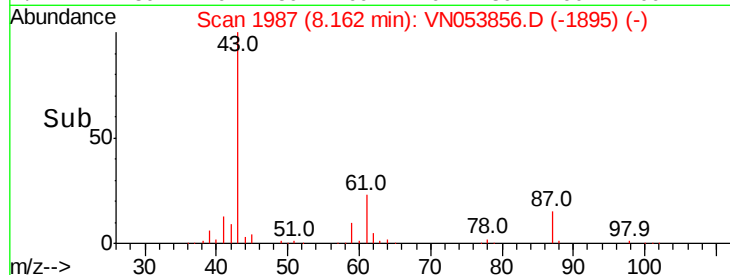
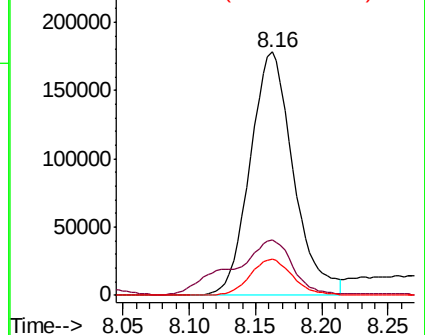
87 14.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053856.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN053856.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN053856.D (-1987) (-)



#44

Trichloroethene

Concen: 47.354 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053856.D

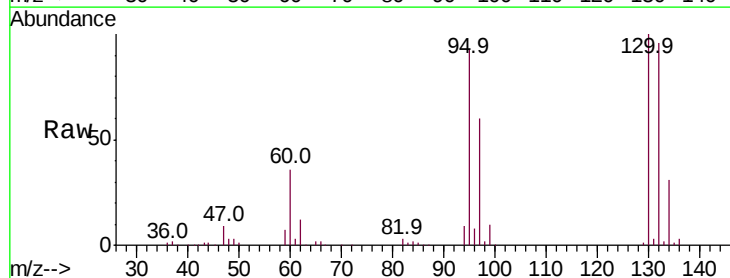
Acq: 19 Feb 2019 9:02

Tgt Ion:130 Resp: 343253

Ion Ratio Lower Upper

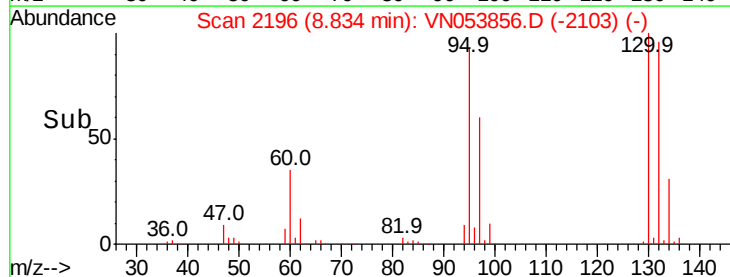
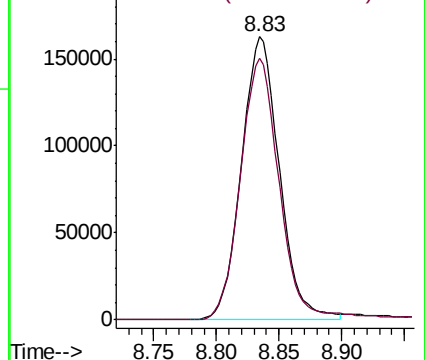
130 100

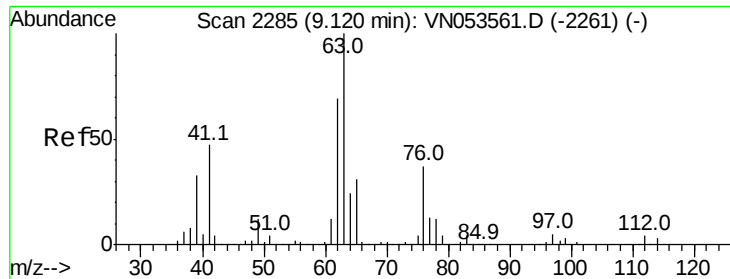
95 92.6 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053856.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN053856.D (-2196) (-)





#45

1,2-Dichloropropane

Concen: 50.653 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

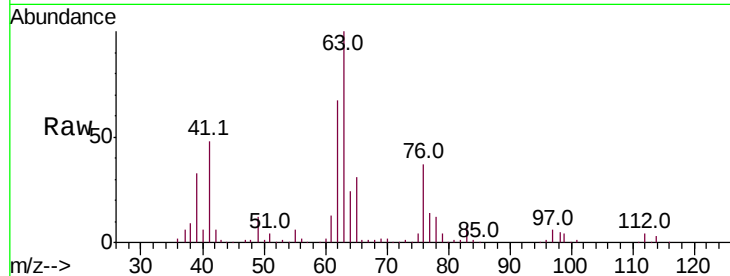
VSTDCCC050

Tot Ion: 63 Resp: 329865

Ion Ratio Lower Upper

63 100

65 31.1 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN053856.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN053856.D (-2261) (-)

9.12

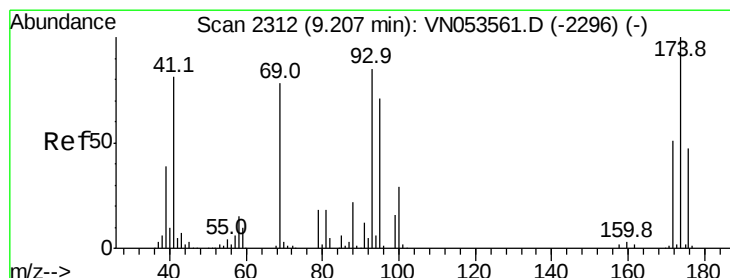
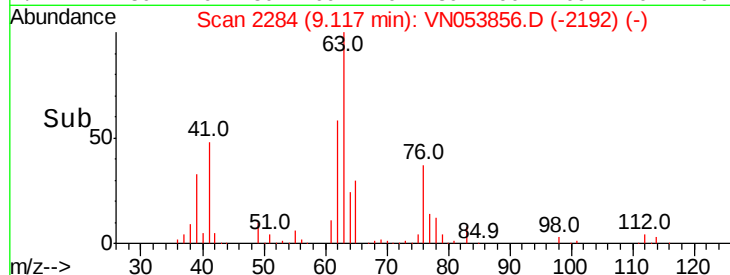
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 48.939 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

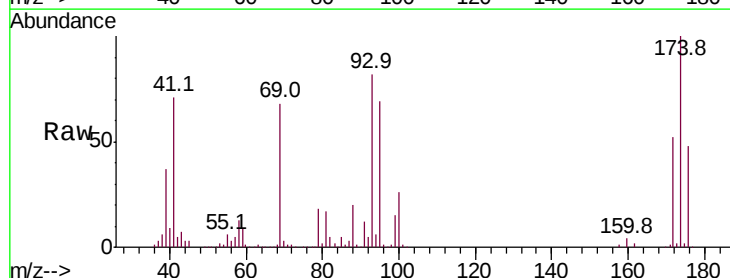
Tgt Ion: 93 Resp: 192119

Ion Ratio Lower Upper

93 100

95 83.8 67.3 100.9

174 120.5 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN053856.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN053856.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN053856.D (-2219) (-)

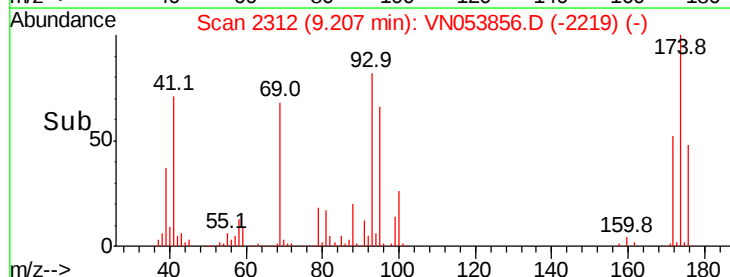
150000

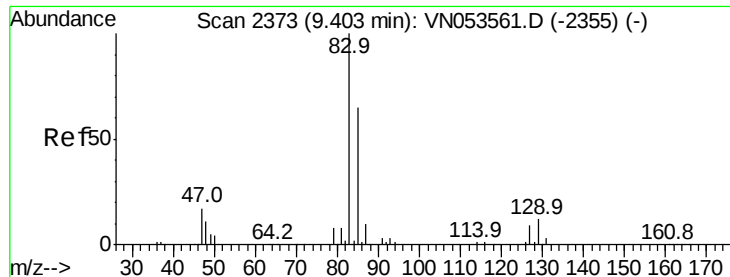
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 51.410 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

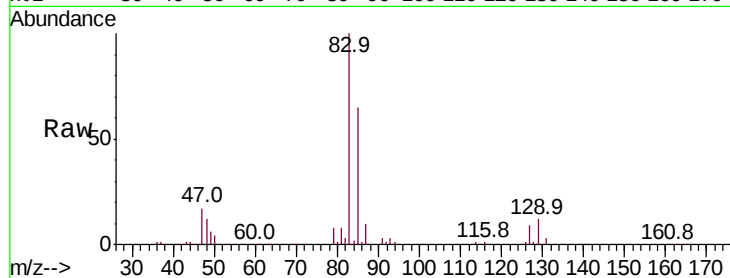
Tot Ion: 83 Resp: 419627

Ion Ratio Lower Upper

83 100

85 64.5 51.0 76.6

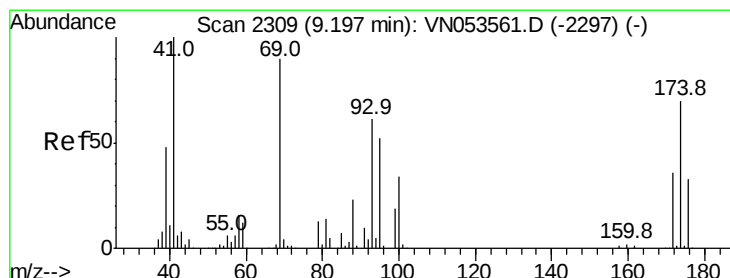
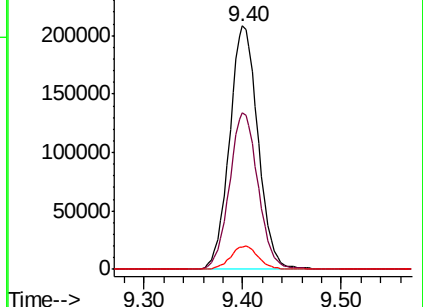
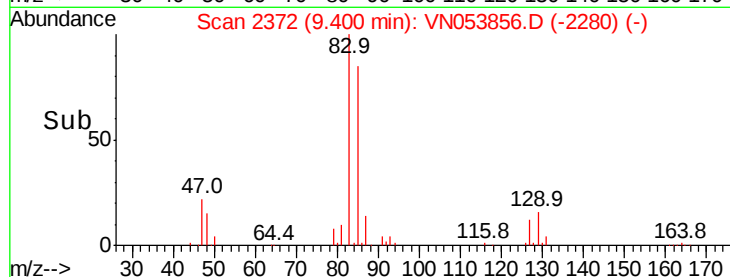
127 9.4 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN053561.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN053561.D (-2355) (-)



#48

Methyl methacrylate

Concen: 46.235 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

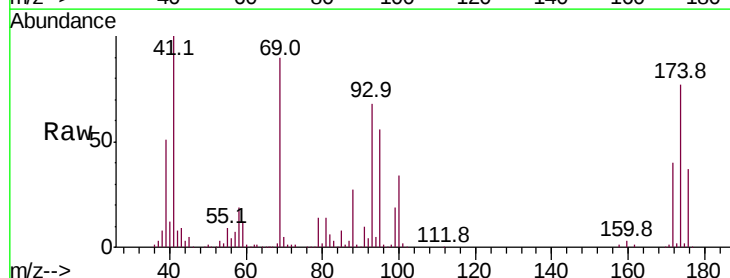
Tgt Ion: 41 Resp: 196543

Ion Ratio Lower Upper

41 100

69 103.8 73.8 110.6

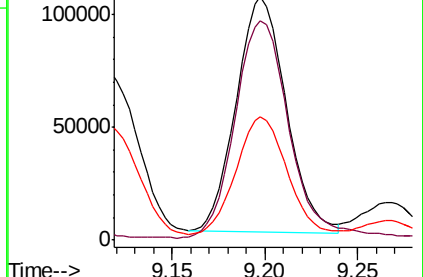
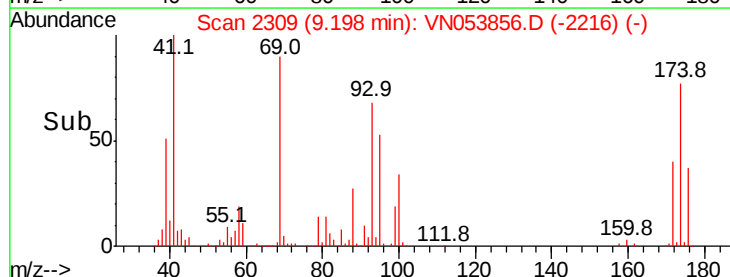
39 56.6 40.0 60.0

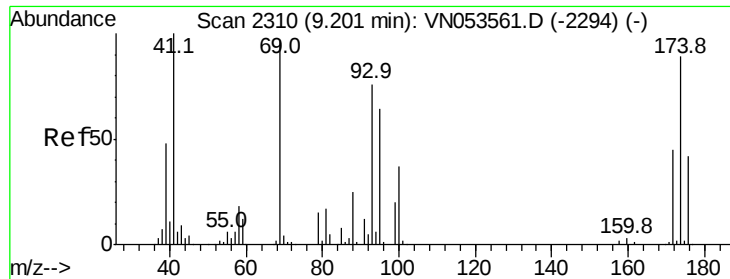


Abundance Ion 41.00 (40.70 to 41.70): VN053561.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN053561.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN053561.D (-2297) (-)





#49

1,4-Dioxane

Concen: 1018.405 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

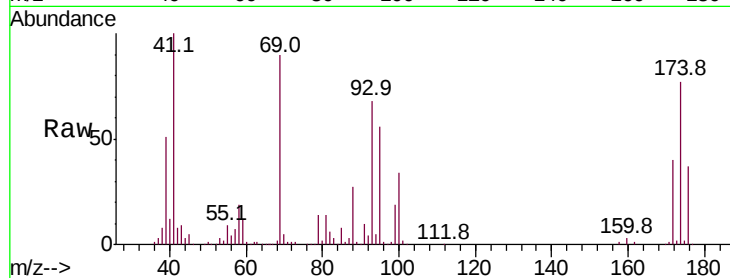
Tot Ion: 88 Resp: 62776

Ion Ratio Lower Upper

88 100

43 27.0 27.8 41.6#

58 66.3 56.5 84.7

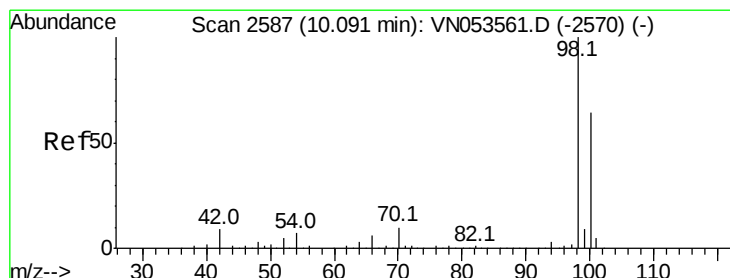
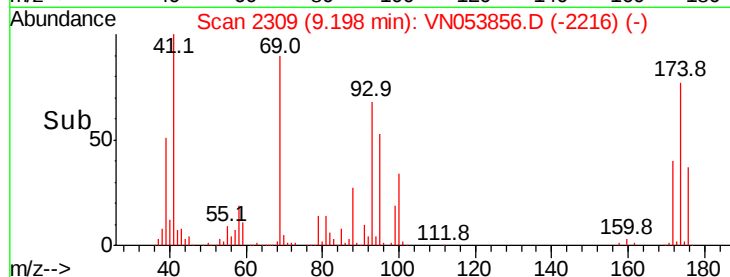
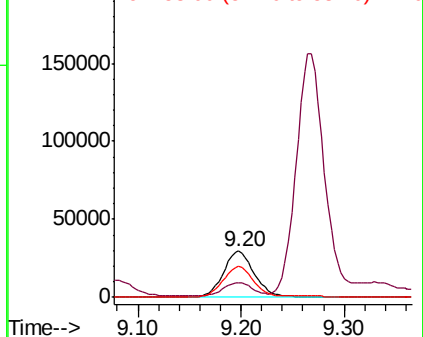


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.514 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053856.D

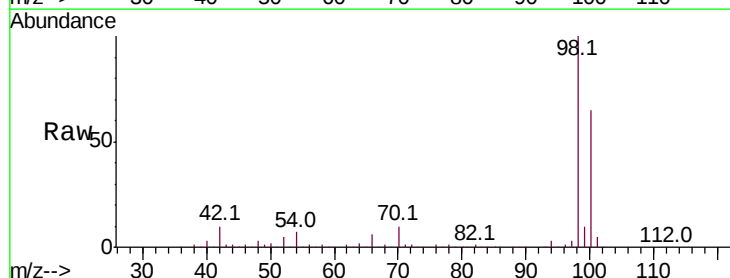
Acq: 19 Feb 2019 9:02

Tgt Ion: 98 Resp: 1097728

Ion Ratio Lower Upper

98 100

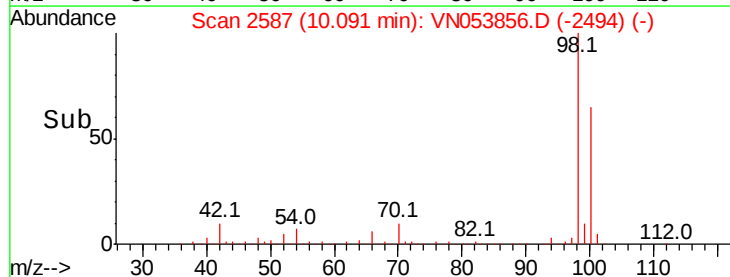
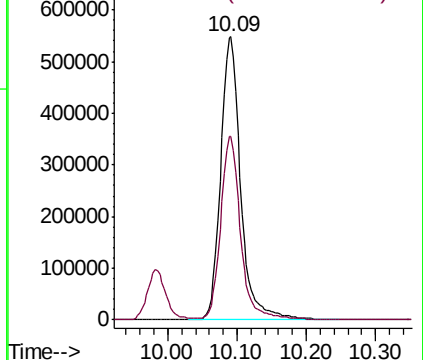
100 64.9 51.4 77.0

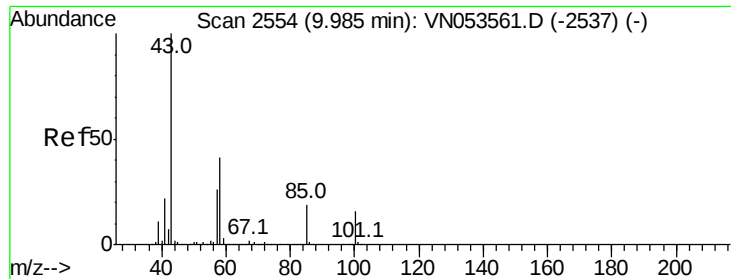


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

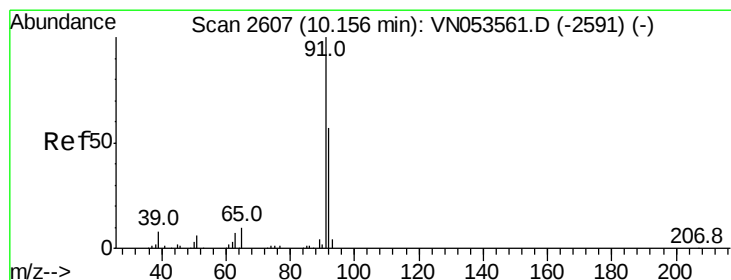
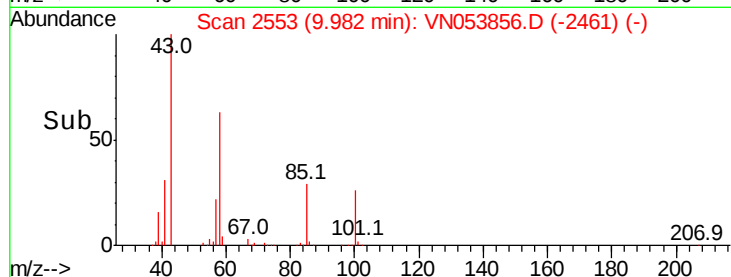
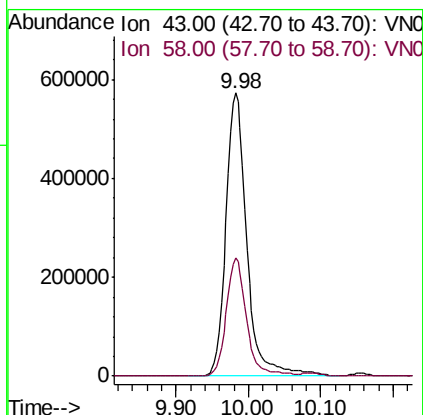
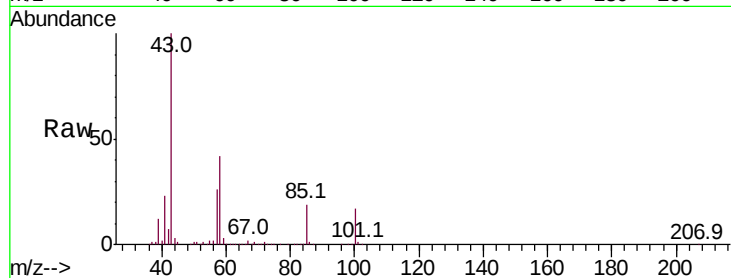




#51
4-Methyl-2-Pentanone
Concen: 260.542 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

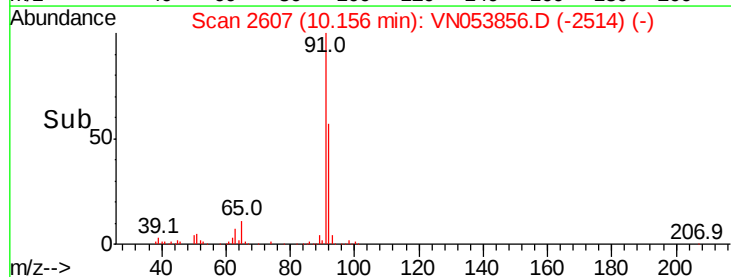
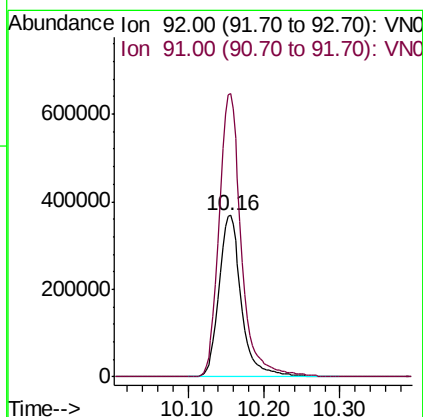
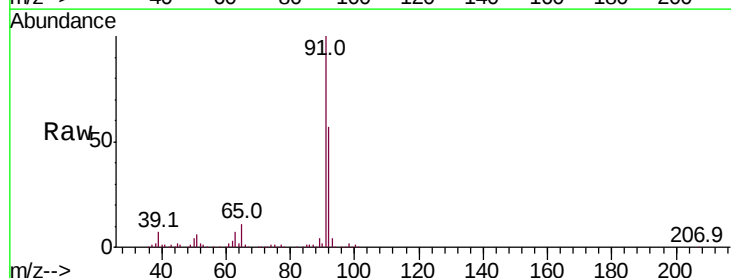
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

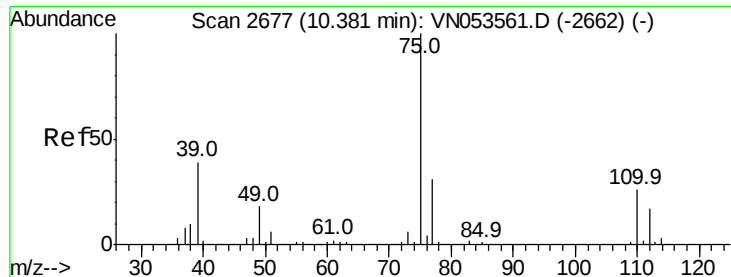
Tot Ion: 43 Resp: 1140173
Ion Ratio Lower Upper
43 100
58 40.7 32.8 49.2



#52
Toluene
Concen: 49.838 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion: 92 Resp: 753102
Ion Ratio Lower Upper
92 100
91 174.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 52.477 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

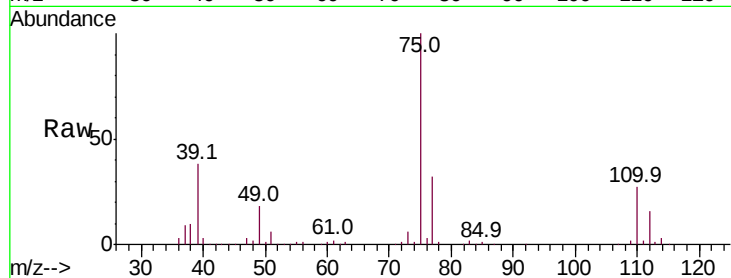
VSTDCCC050

Tot Ion: 75 Resp: 428912

Ion Ratio Lower Upper

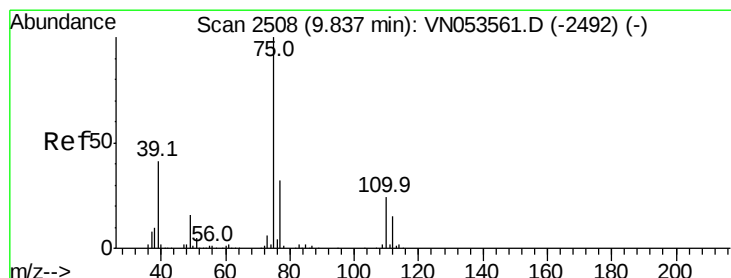
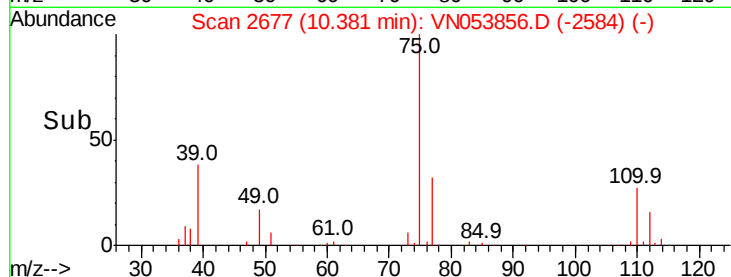
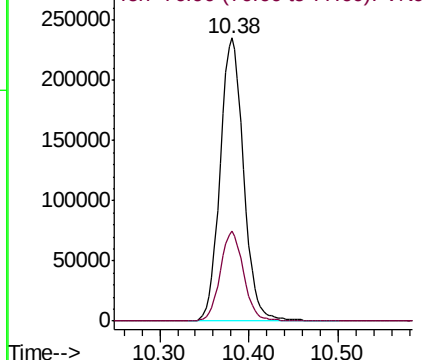
75 100

77 31.6 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.974 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

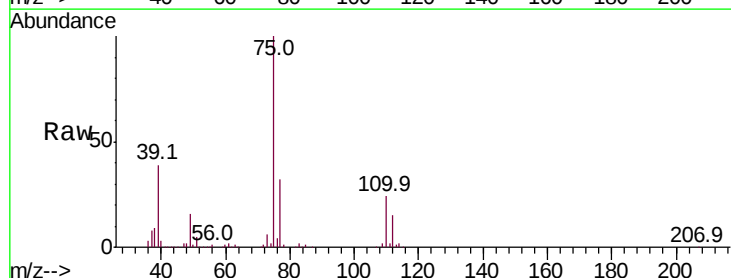
Tgt Ion: 75 Resp: 493696

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

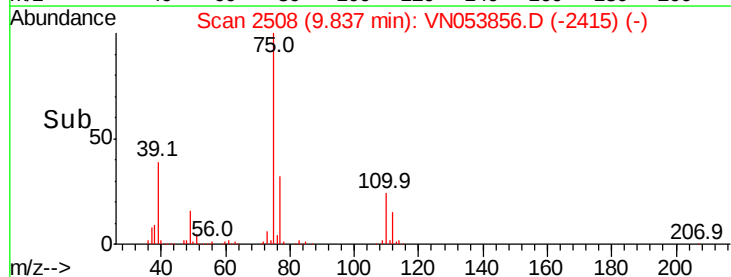
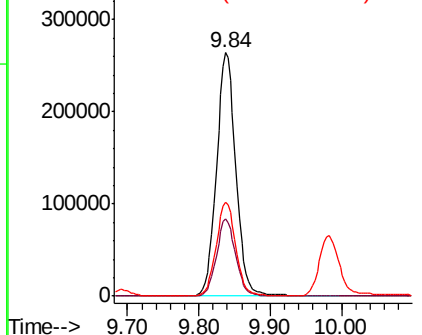
39 38.4 33.4 50.0

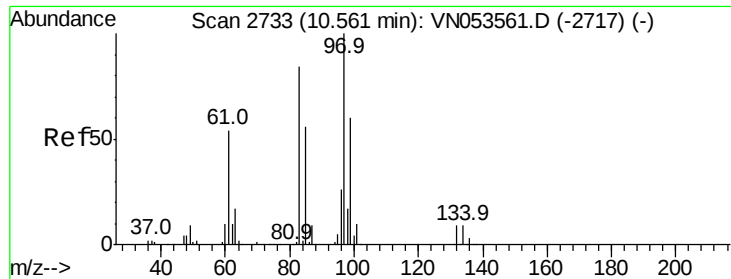


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 56.142 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 305700

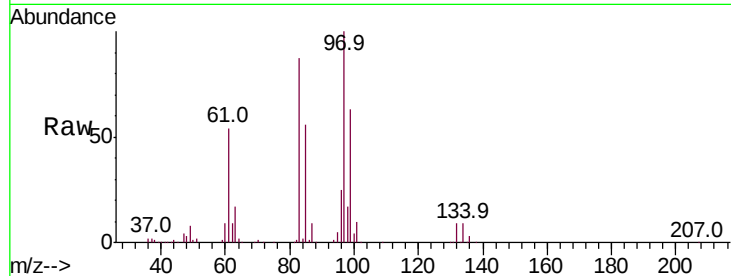
Ion Ratio Lower Upper

97 100

83 86.8 70.1 105.1

85 55.9 45.4 68.0

99 63.1 49.8 74.8

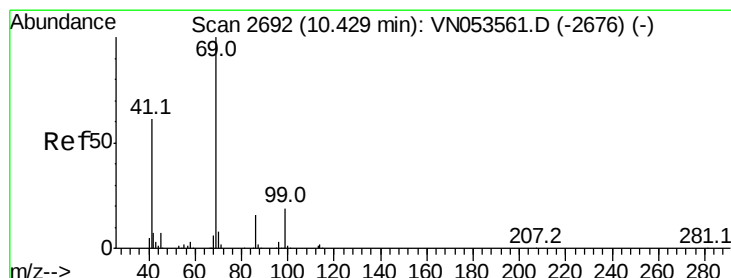
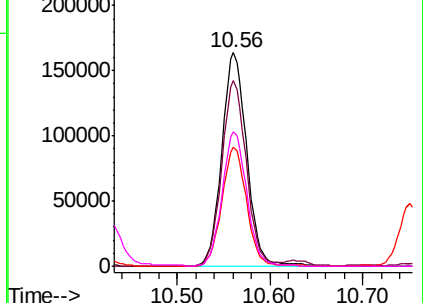
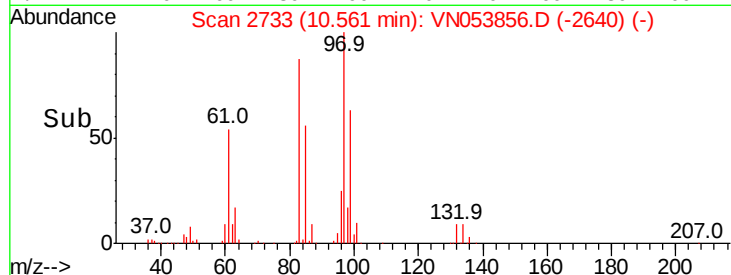


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.416 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

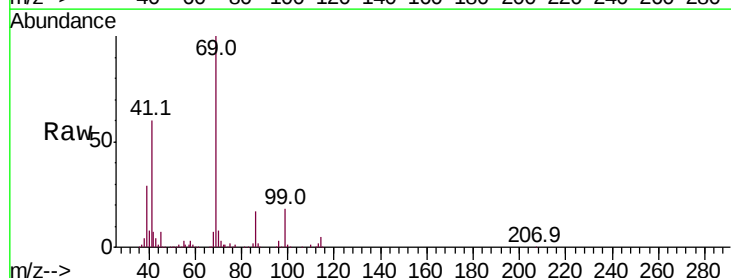
Tgt Ion: 69 Resp: 337642

Ion Ratio Lower Upper

69 100

41 59.8 49.4 74.0

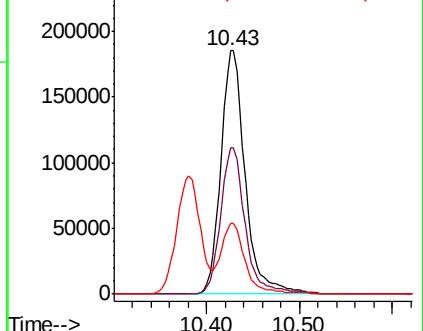
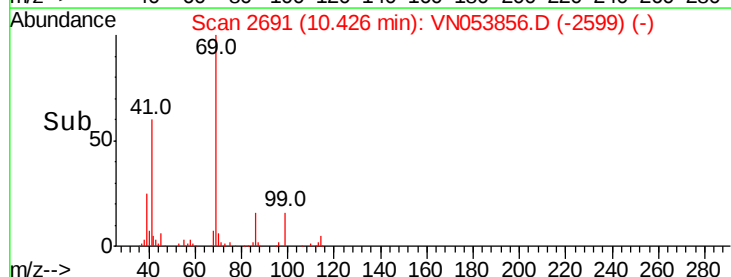
39 28.7 23.3 34.9

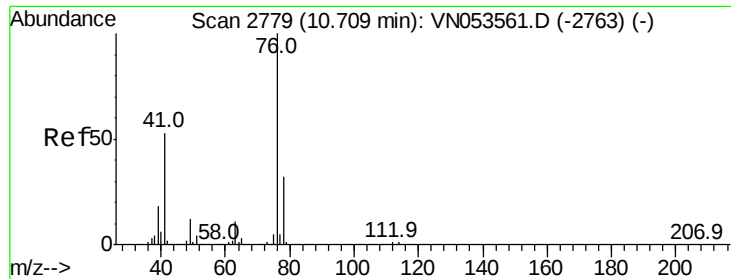


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.095 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

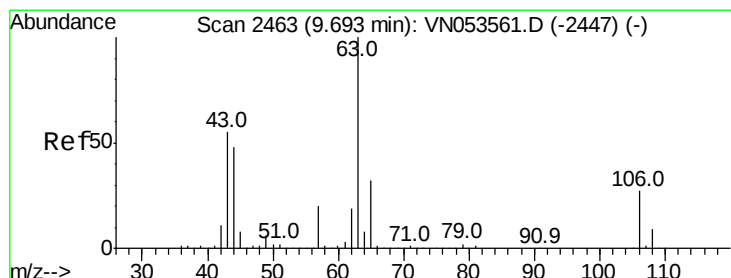
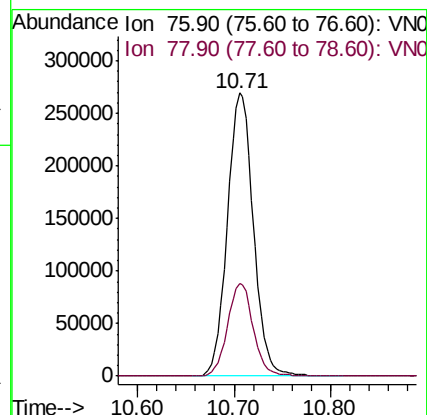
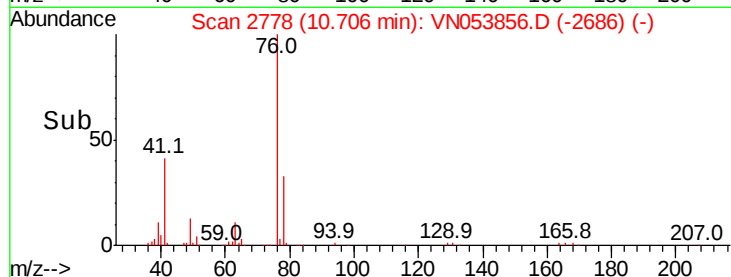
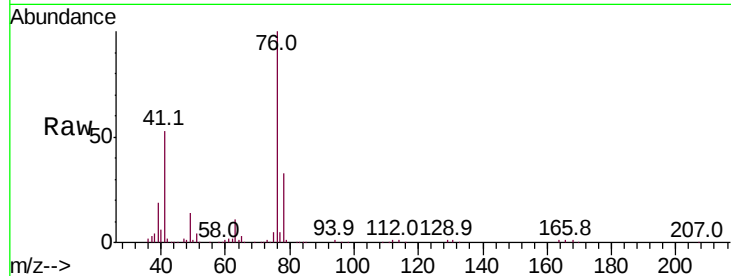
VSTDCCC050

Tot Ion: 76 Resp: 503414

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 185.287 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053856.D

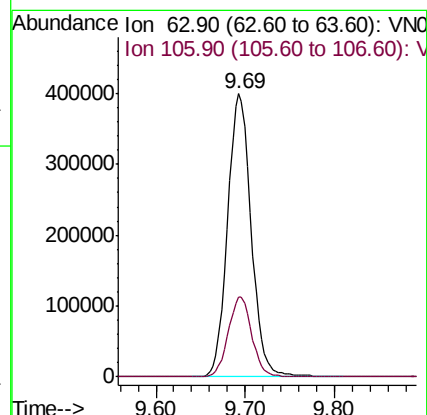
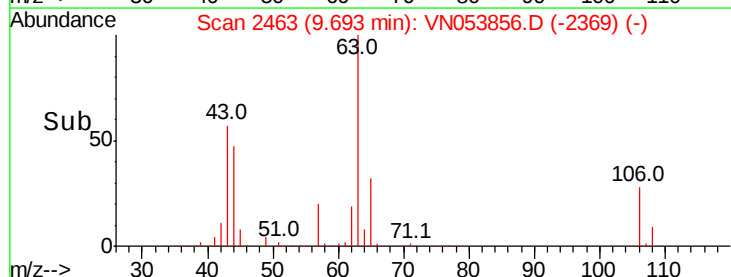
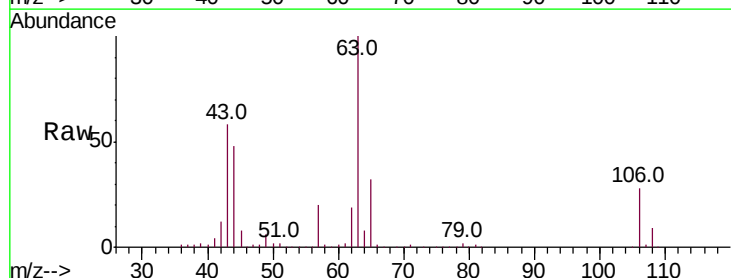
Acq: 19 Feb 2019 9:02

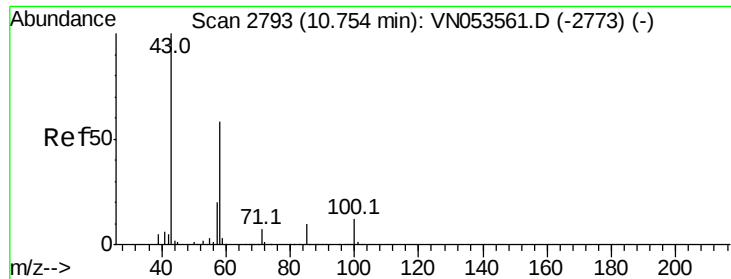
Tgt Ion: 63 Resp: 731648

Ion Ratio Lower Upper

63 100

106 28.2 21.5 32.3

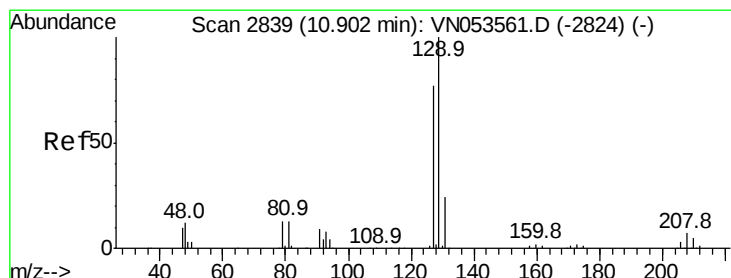
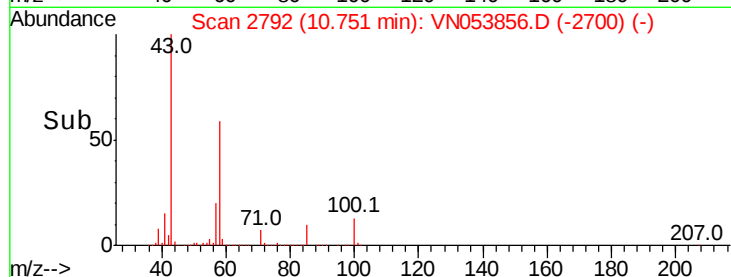
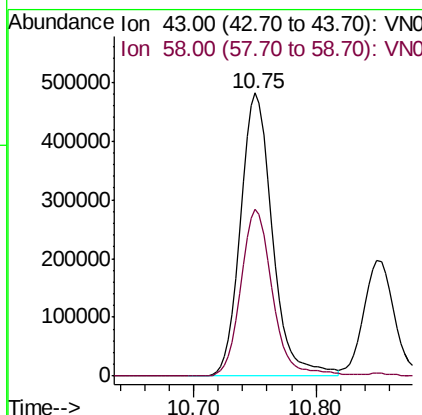
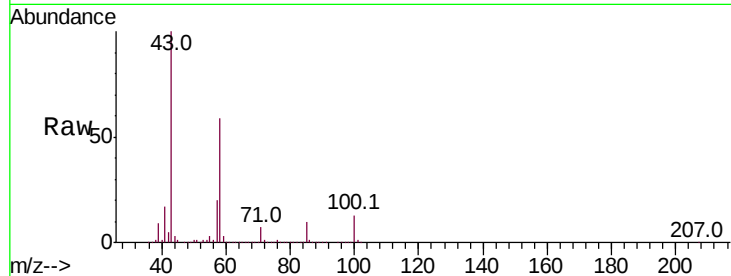




#59
2-Hexanone
Concen: 291.620 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

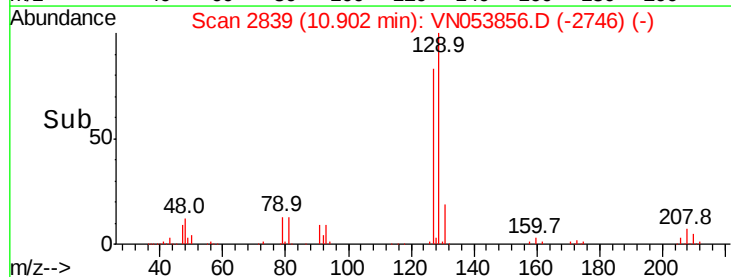
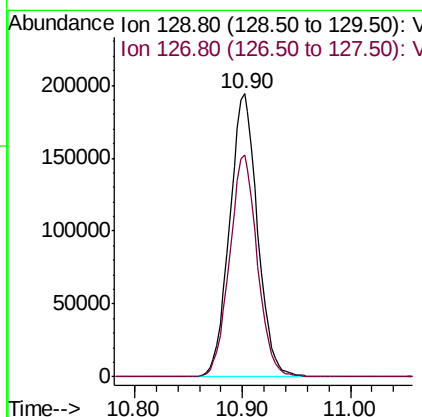
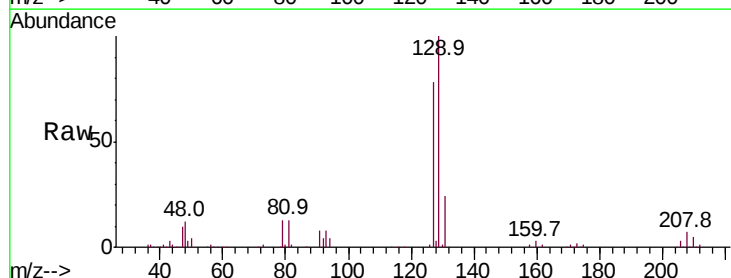
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

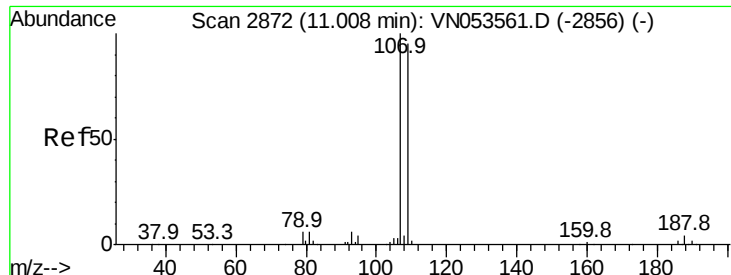
Tot Ion: 43 Resp: 866358
Ion Ratio Lower Upper
43 100
58 58.6 28.6 85.8



#60
Dibromochloromethane
Concen: 57.078 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion: 129 Resp: 350480
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.585 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

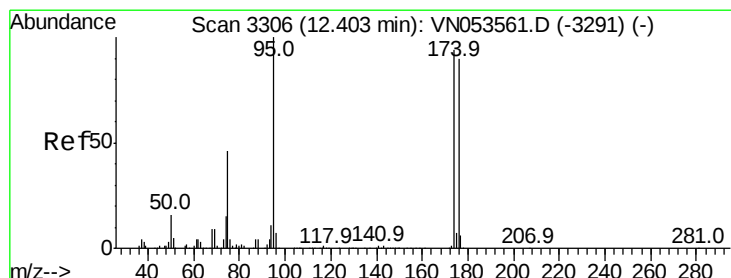
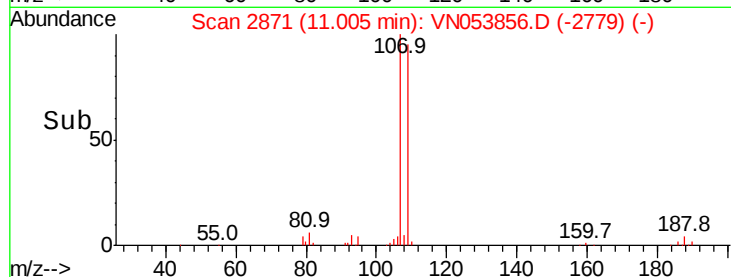
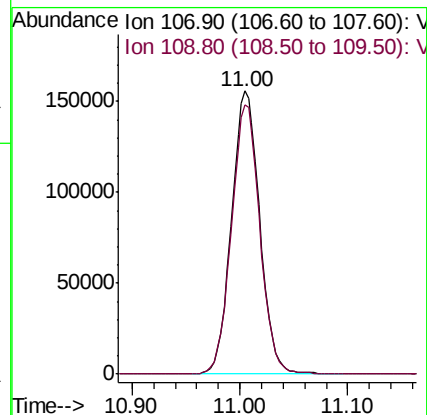
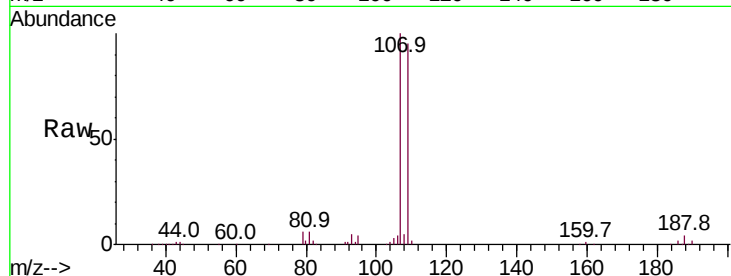
VSTDCCC050

Tot Ion:107 Resp: 283405

Ion Ratio Lower Upper

107 100

109 95.9 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 52.258 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

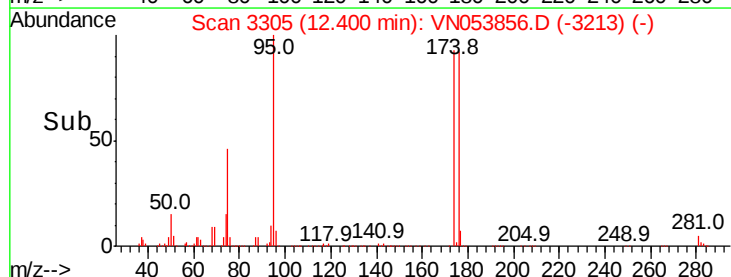
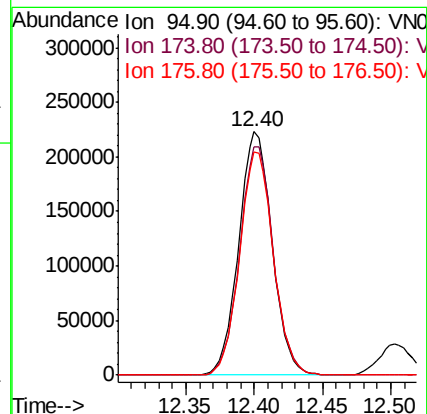
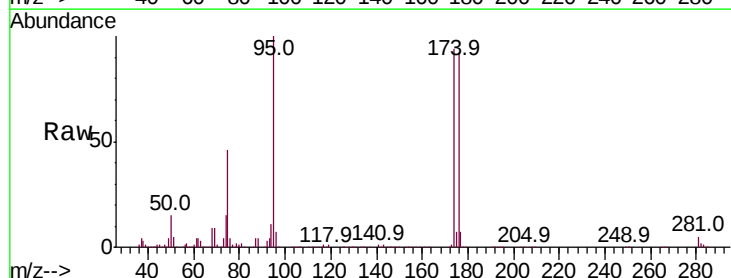
Tgt Ion: 95 Resp: 378746

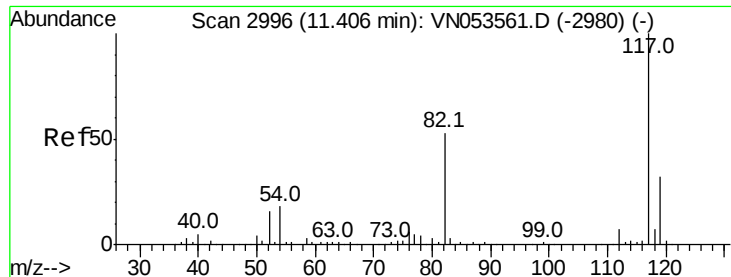
Ion Ratio Lower Upper

95 100

174 94.5 0.0 183.2

176 92.5 0.0 177.4

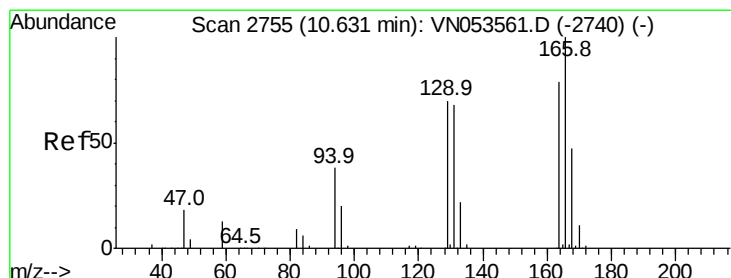
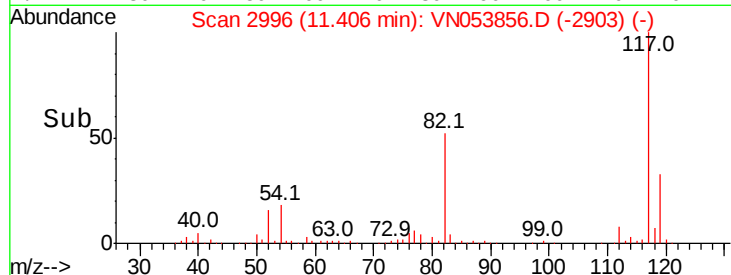
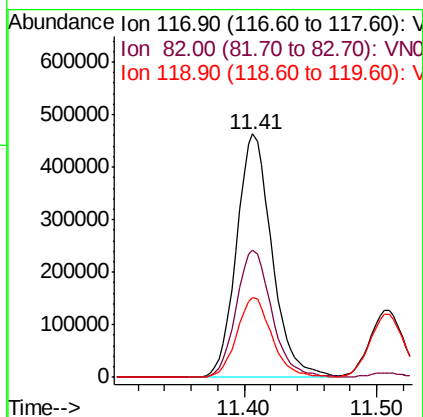
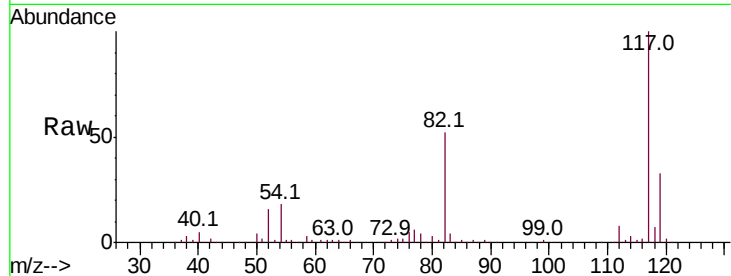




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

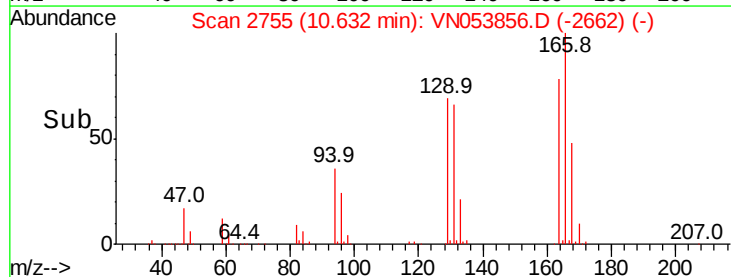
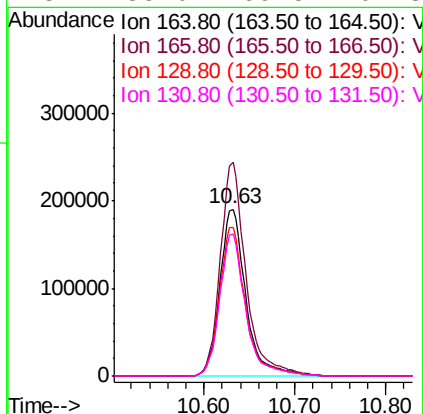
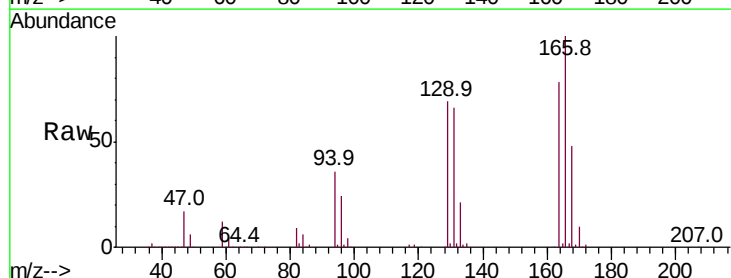
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

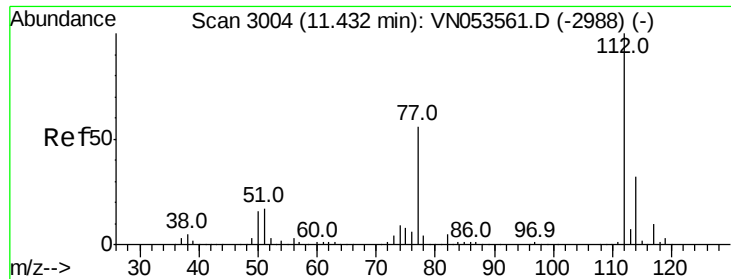
Tot Ion:117 Resp: 860834
Ion Ratio Lower Upper
117 100
82 52.4 42.9 64.3
119 32.9 26.0 39.0



#64
Tetrachloroethene
Concen: 51.312 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion:164 Resp: 378645
Ion Ratio Lower Upper
164 100
166 128.2 102.2 153.4
129 89.0 72.6 109.0
131 85.0 69.5 104.3

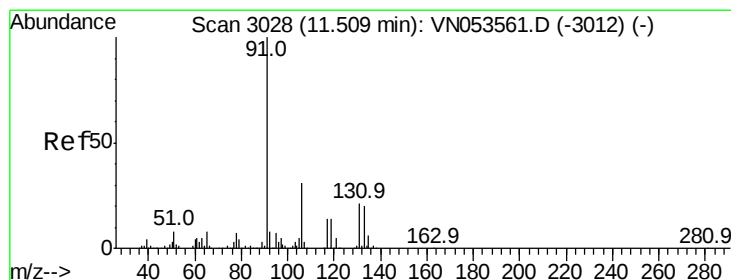
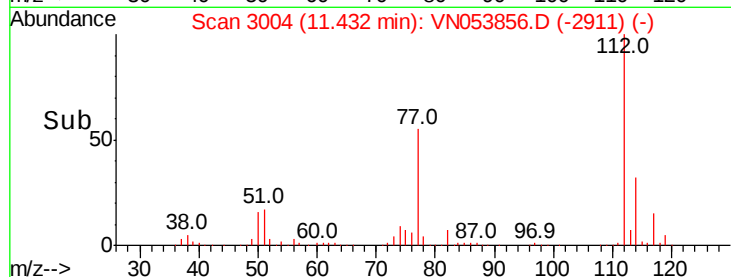
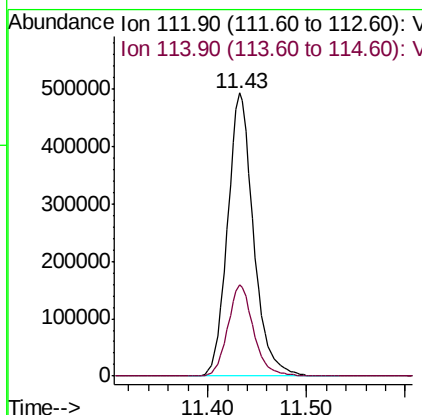
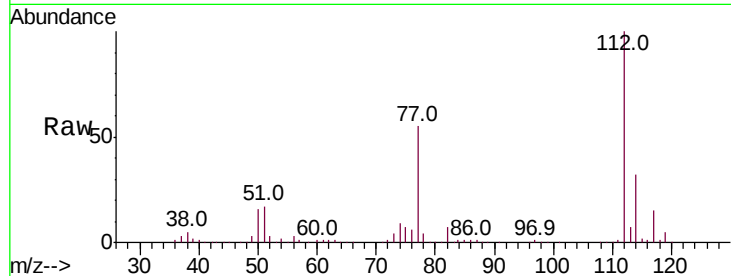




#65
Chlorobenzene
Concen: 49.390 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

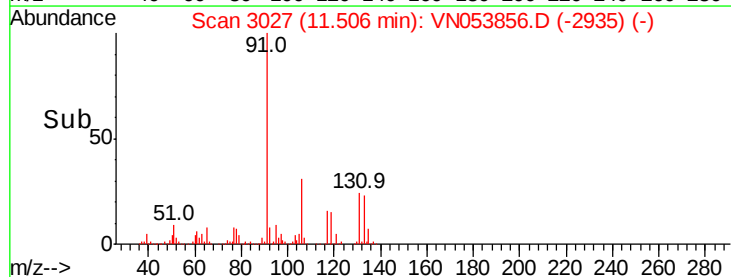
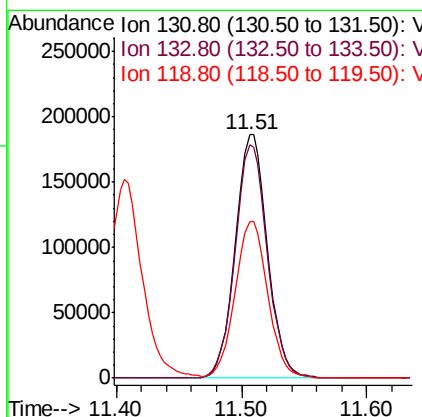
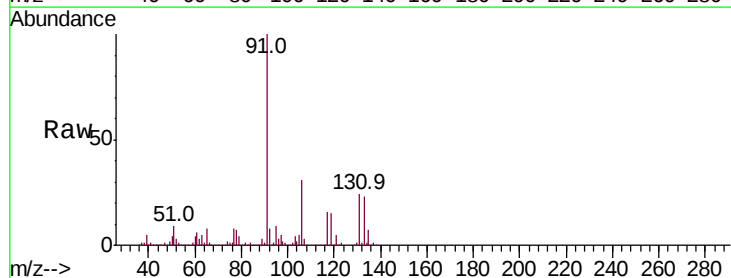
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

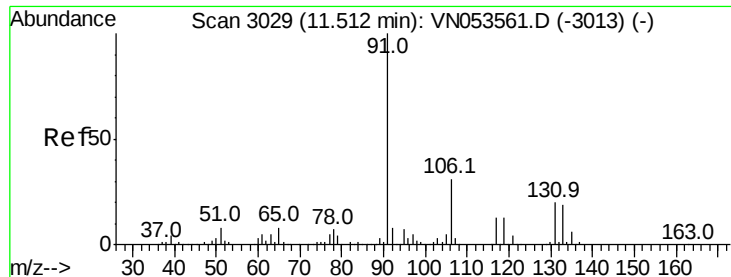
Tot Ion:112 Resp: 903105
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.892 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion:131 Resp: 331377
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.0
119 65.7 33.5 100.5

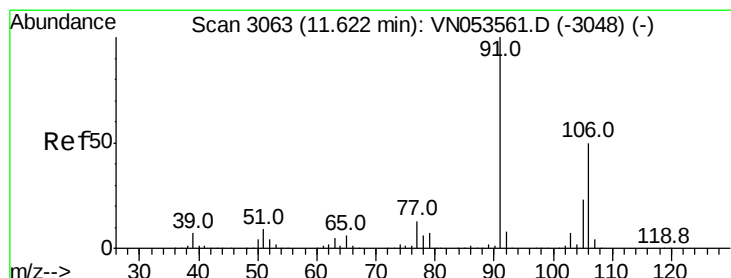
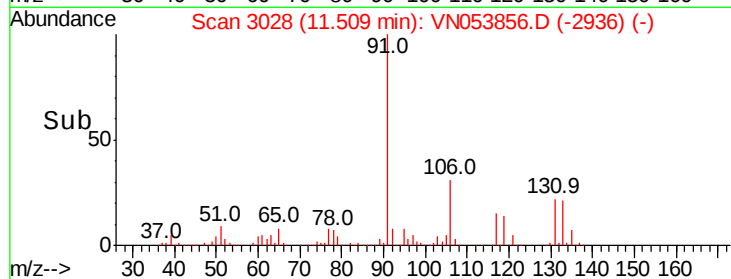
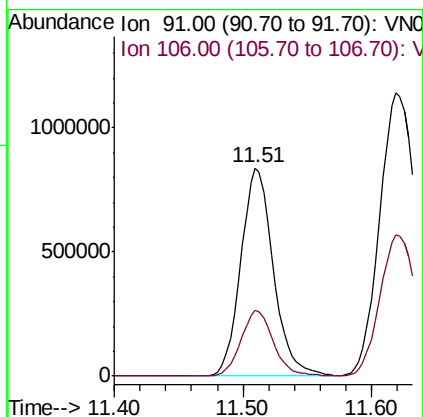
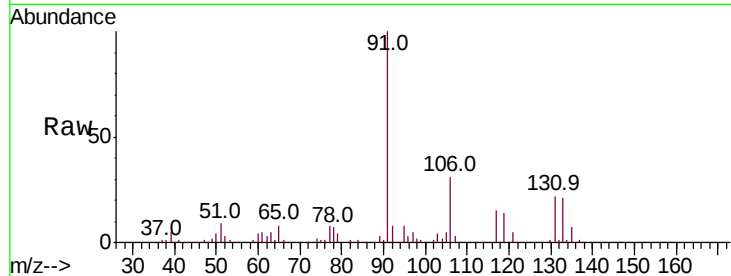




#67
Ethyl Benzene
Concen: 49.100 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

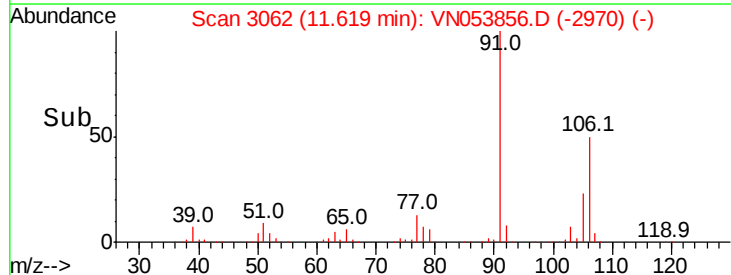
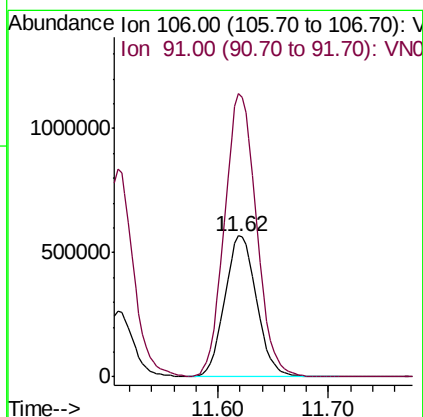
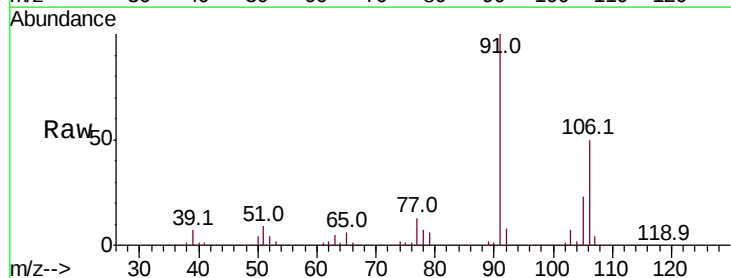
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

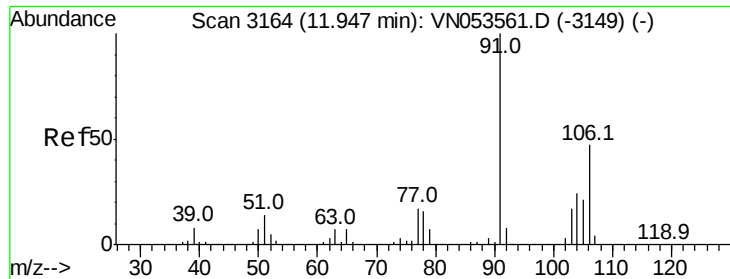
Tot Ion: 91 Resp: 1474792
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 99.504 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion: 106 Resp: 1140702
Ion Ratio Lower Upper
106 100
91 200.9 161.4 242.2

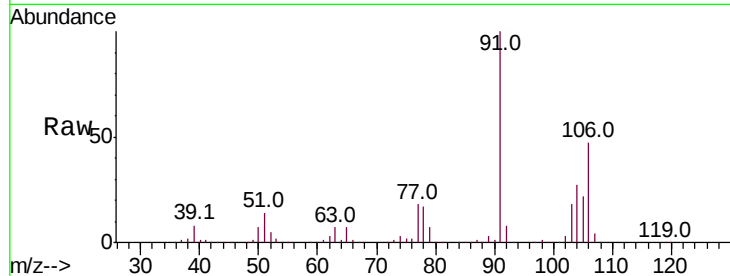




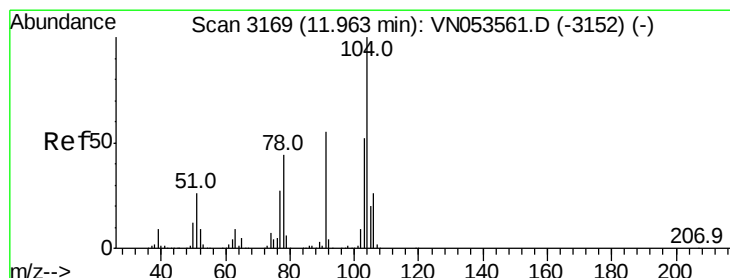
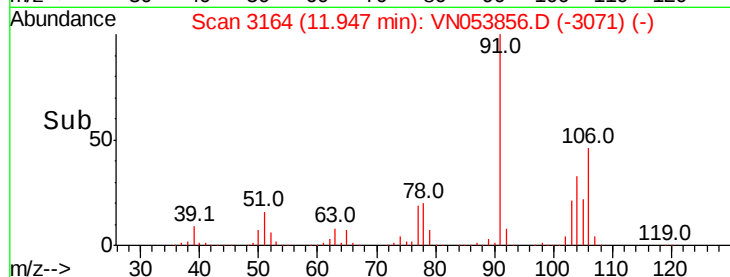
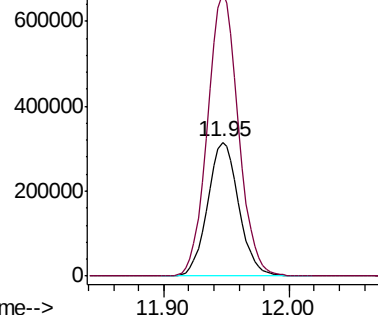
#69
o-Xylene
Concen: 48.863 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 541164
Ion Ratio Lower Upper
106 100
91 209.8 106.9 320.8

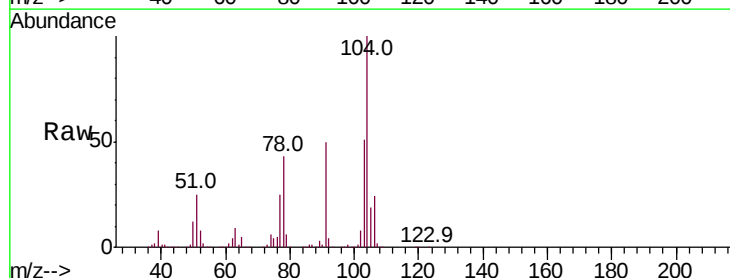


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

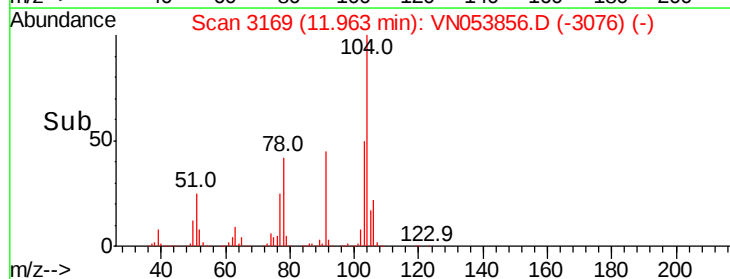
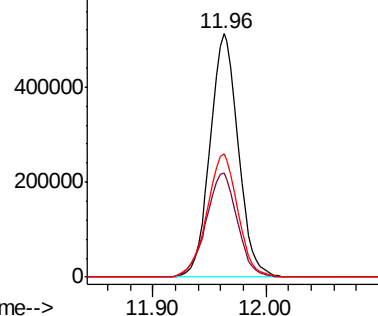


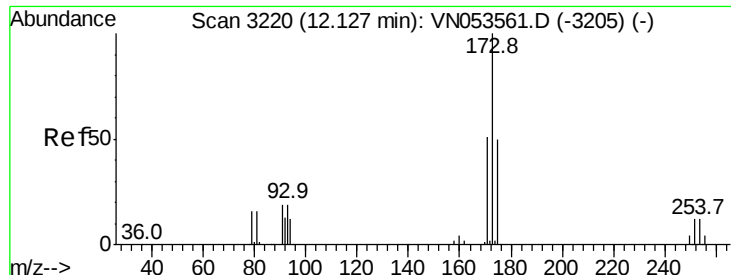
#70
Styrene
Concen: 49.555 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion:104 Resp: 889557
Ion Ratio Lower Upper
104 100
78 47.2 38.2 57.2
103 55.2 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

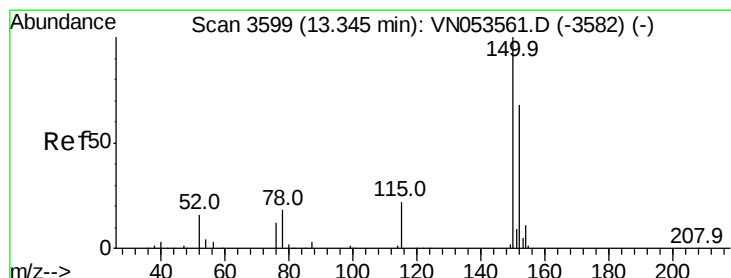
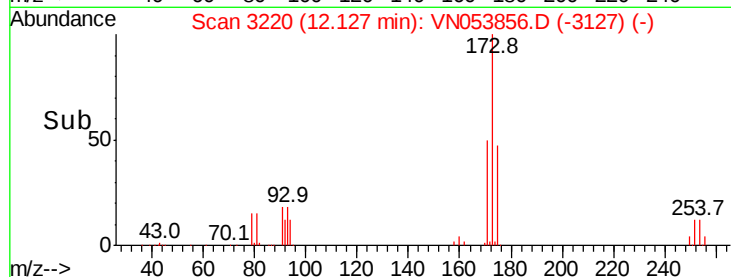
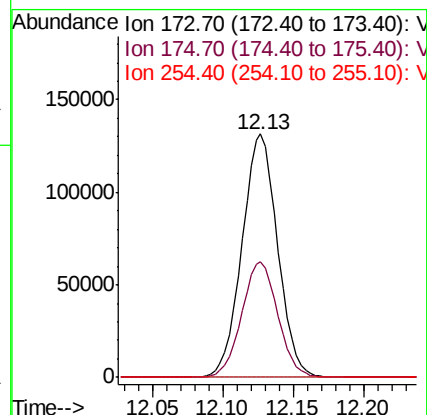
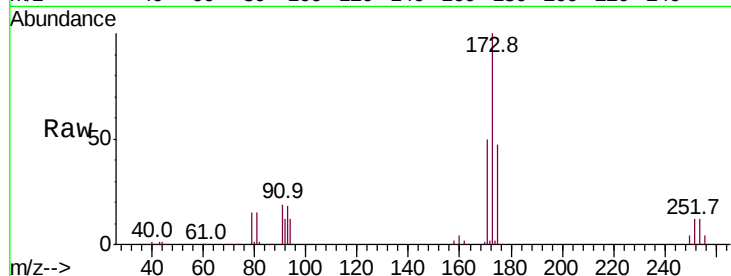




#71
Bromoform
Concen: 53.023 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

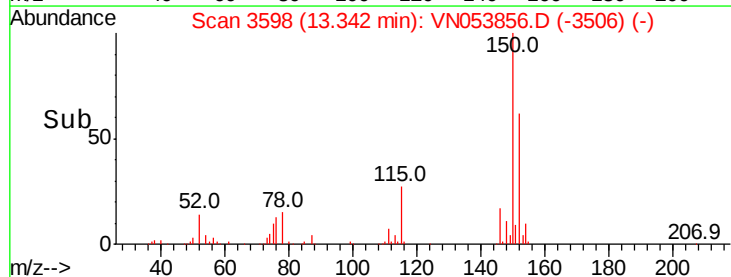
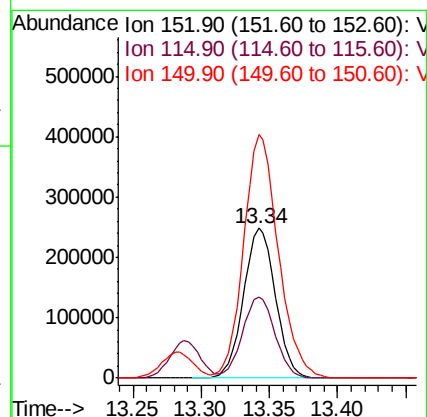
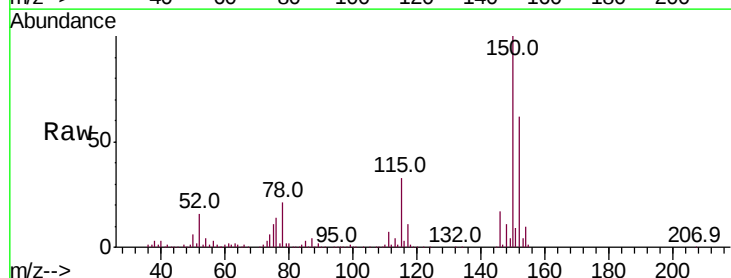
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

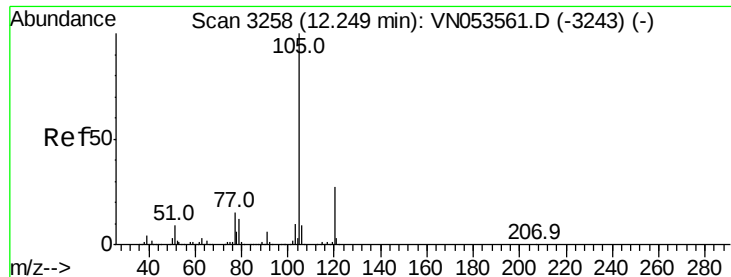
Tot Ion:173 Resp: 232136
Ion Ratio Lower Upper
173 100
175 48.1 24.6 74.0
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion:152 Resp: 402724
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.4
150 176.5 0.0 349.0





#73

Isopropylbenzene

Concen: 50.787 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

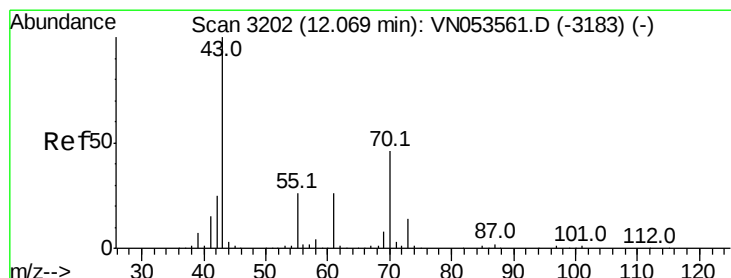
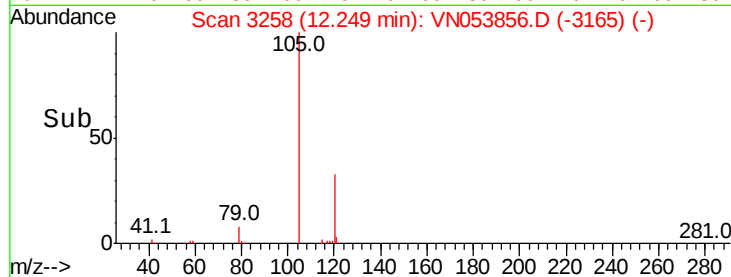
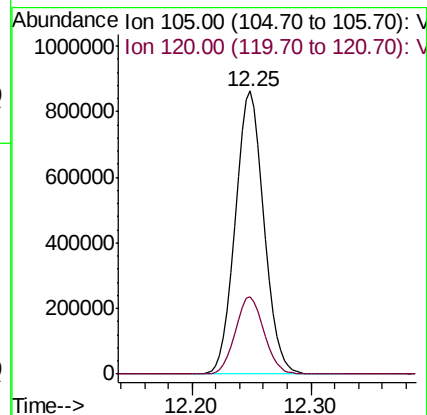
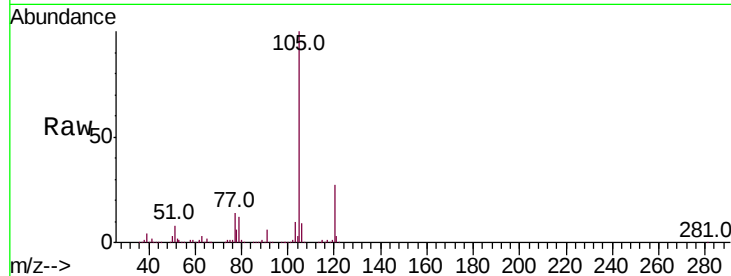
VSTDCCC050

Tot Ion:105 Resp: 1437821

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 47.853 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Tgt Ion: 43 Resp: 325779

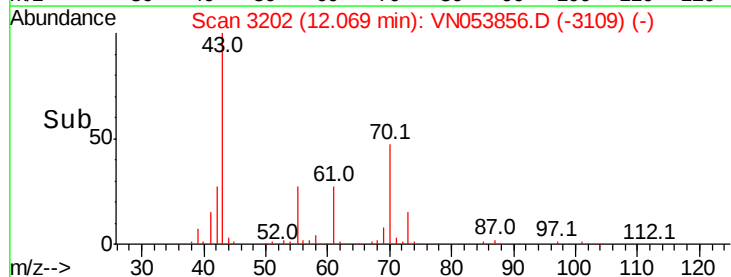
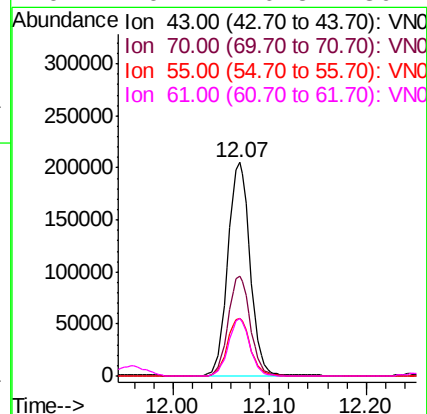
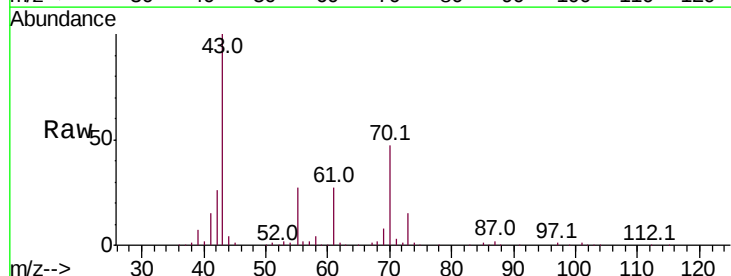
Ion Ratio Lower Upper

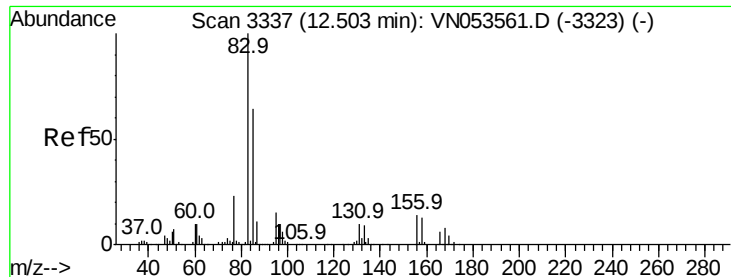
43 100

70 46.6 35.4 53.2

55 27.7 20.9 31.3

61 26.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.414 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

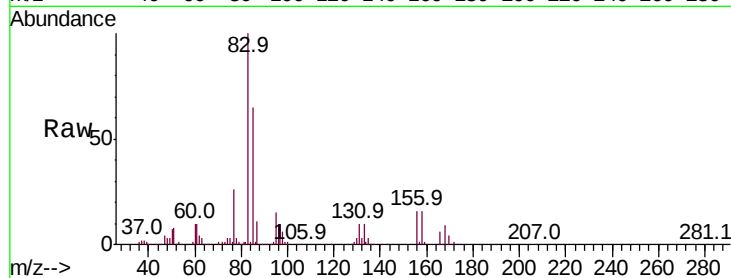
Tot Ion: 83 Resp: 328029

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

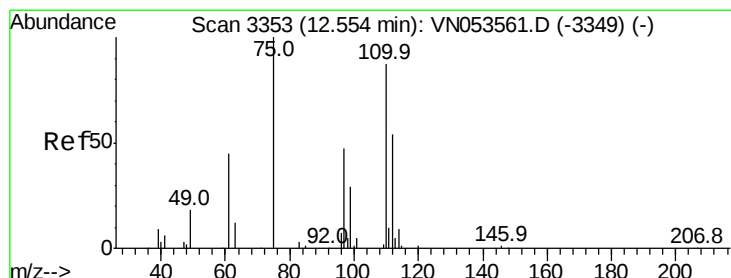
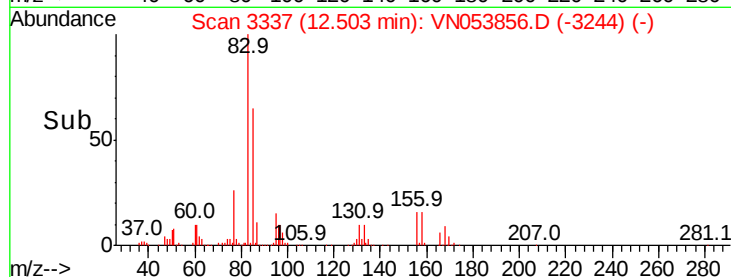
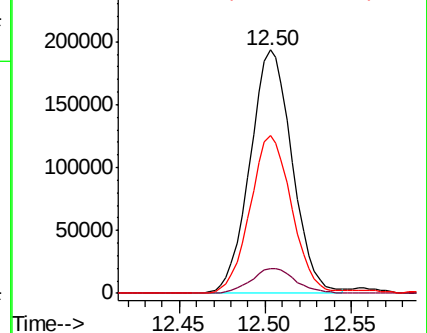
85 64.0 32.1 96.3



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: 78.436 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053856.D

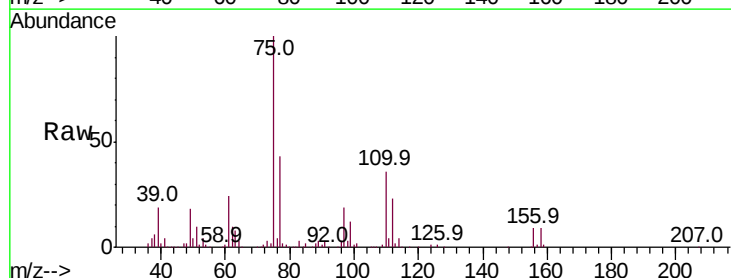
Acq: 19 Feb 2019 9:02

Tgt Ion: 75 Resp: 405728

Ion Ratio Lower Upper

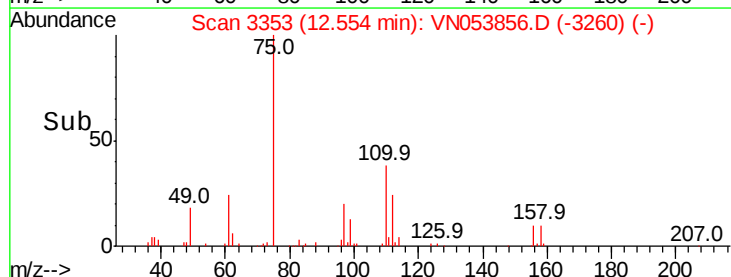
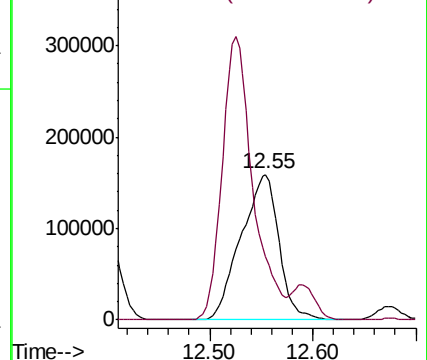
75 100

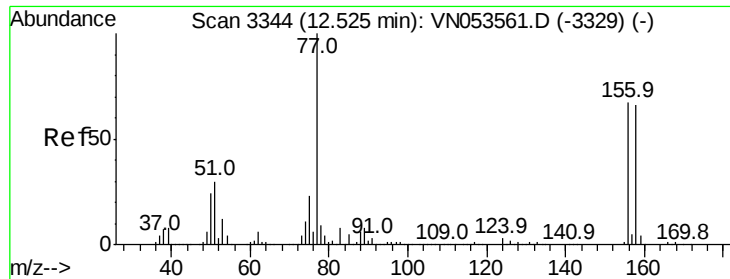
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.026 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

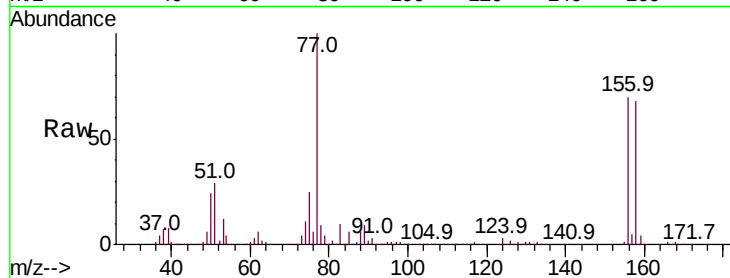
Tot Ion:156 Resp: 381697

Ion Ratio Lower Upper

156 100

77 168.1 87.9 263.8

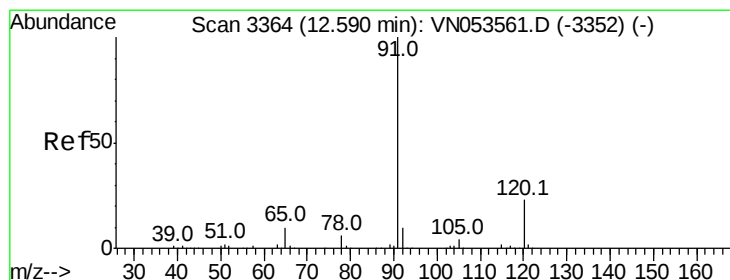
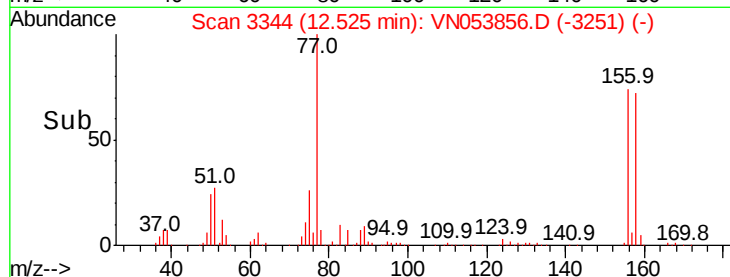
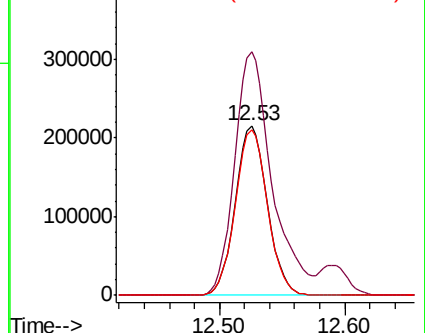
158 98.3 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.287 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053856.D

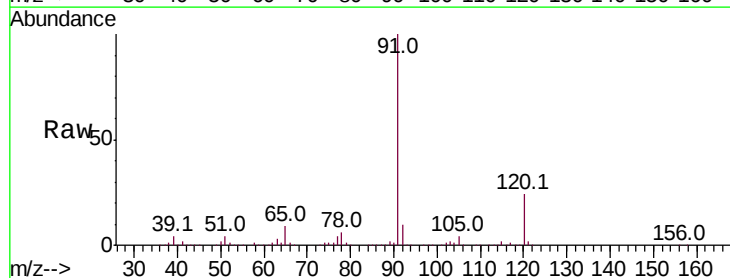
Acq: 19 Feb 2019 9:02

Tgt Ion: 91 Resp: 1678512

Ion Ratio Lower Upper

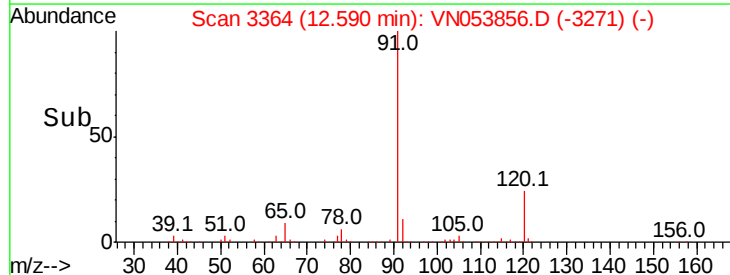
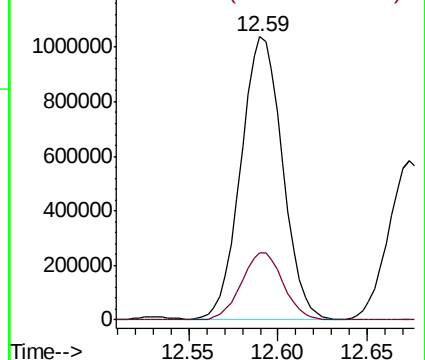
91 100

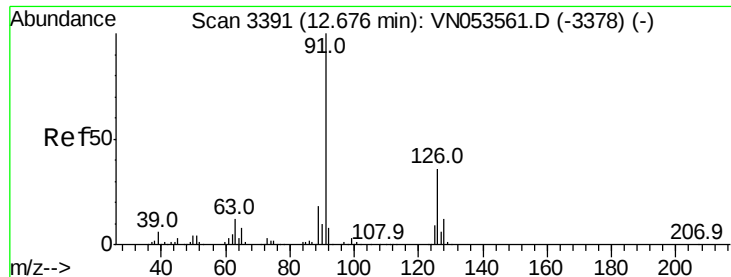
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.357 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampled :

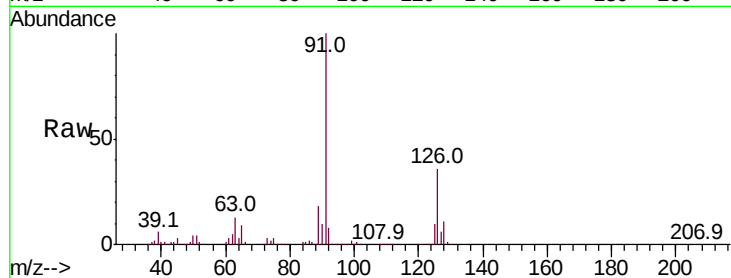
VSTDCCC050

Tot Ion: 91 Resp: 977774

Ion Ratio Lower Upper

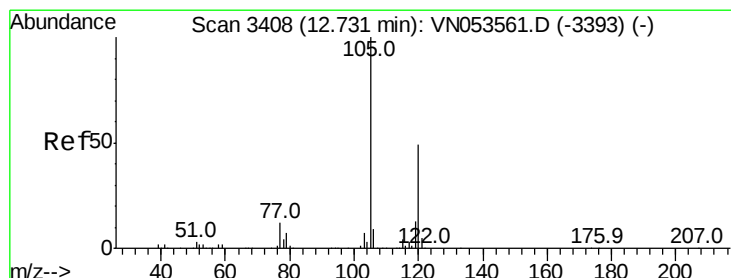
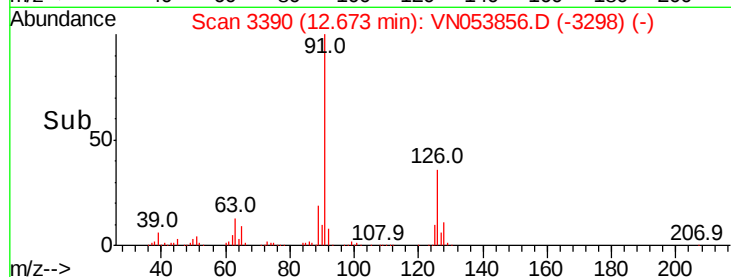
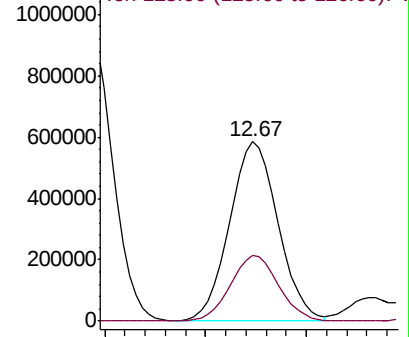
91 100

126 36.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.843 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053856.D

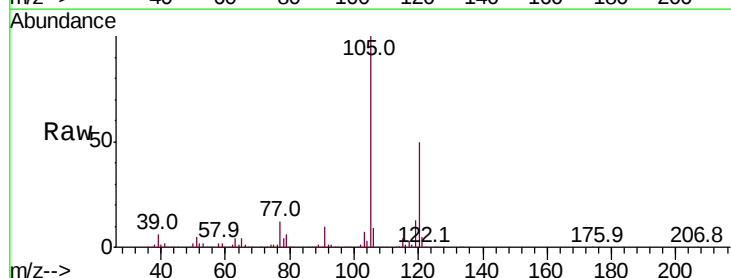
Acq: 19 Feb 2019 9:02

Tgt Ion:105 Resp: 1240578

Ion Ratio Lower Upper

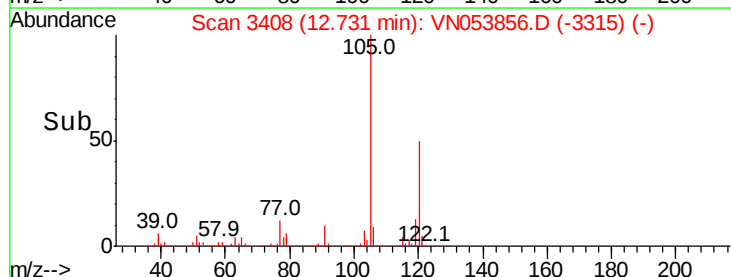
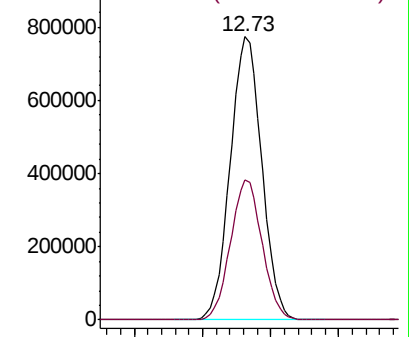
105 100

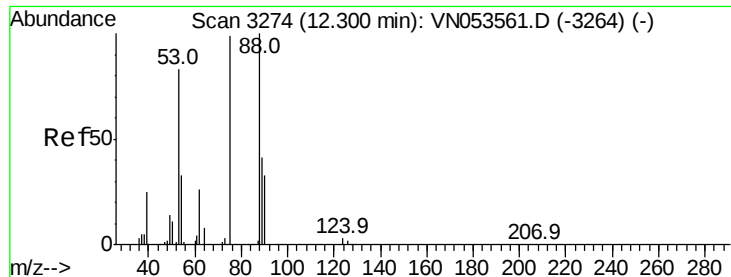
120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.794 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

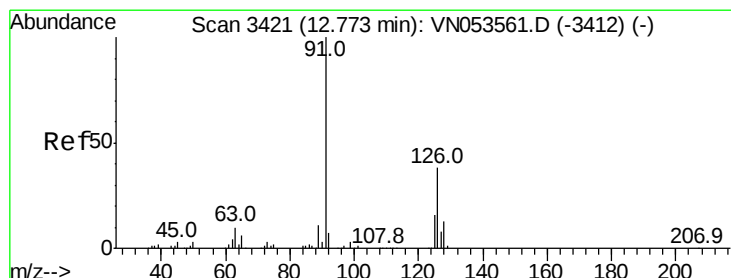
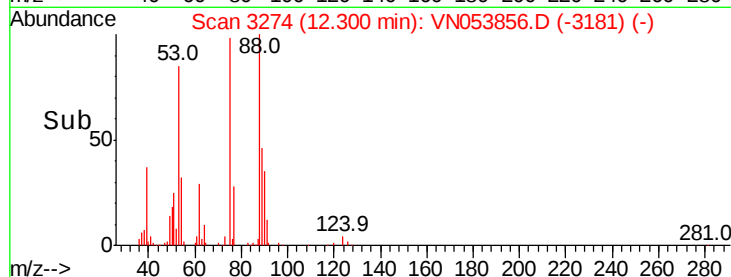
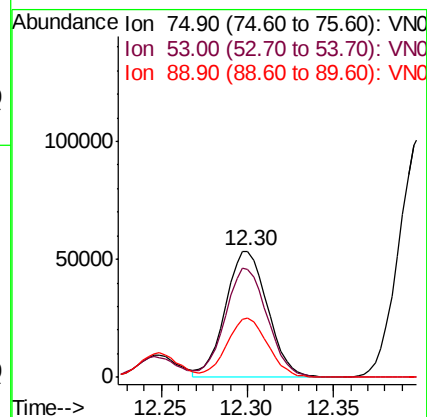
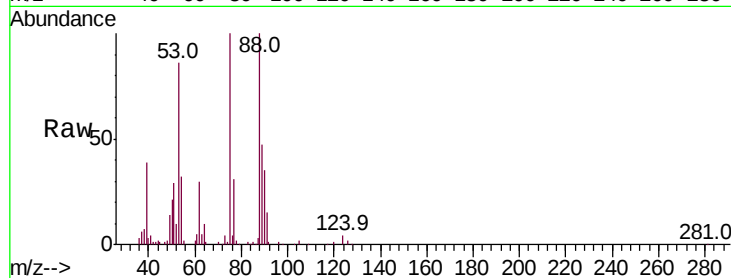
Tot Ion: 75 Resp: 91599

Ion Ratio Lower Upper

75 100

53 86.7 69.8 104.6

89 45.3 35.6 53.4



#82

4-Chlorotoluene

Concen: 49.871 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053856.D

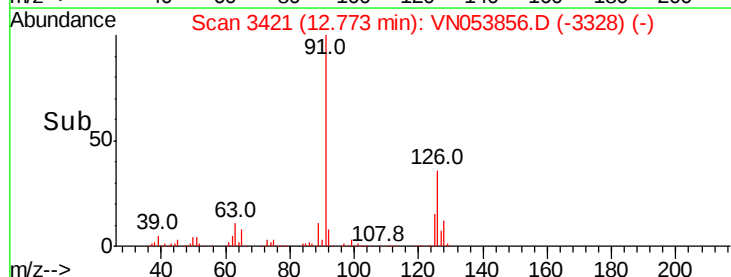
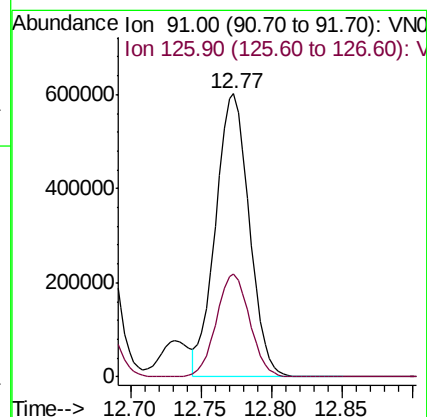
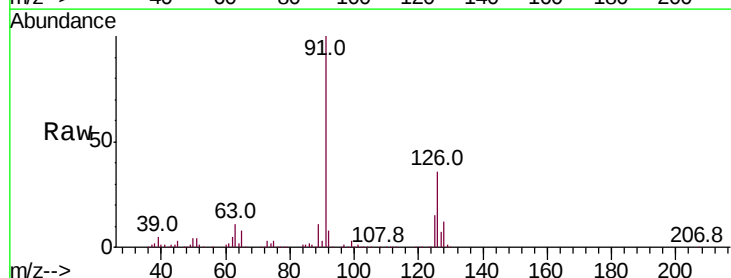
Acq: 19 Feb 2019 9:02

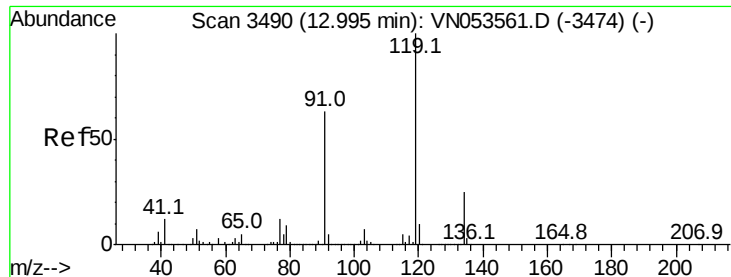
Tgt Ion: 91 Resp: 993632

Ion Ratio Lower Upper

91 100

126 36.0 17.6 52.9





#83

tert-Butylbenzene

Concen: 53.283 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

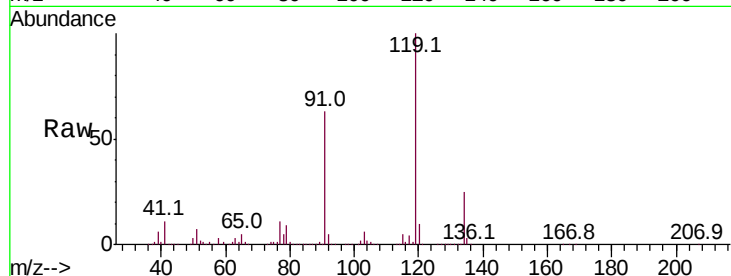
Tot Ion:119 Resp: 1105581

Ion Ratio Lower Upper

119 100

91 60.9 31.3 93.8

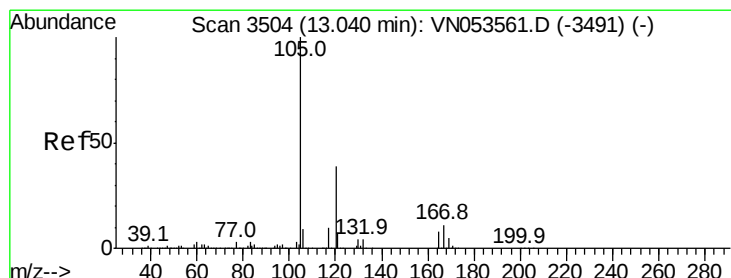
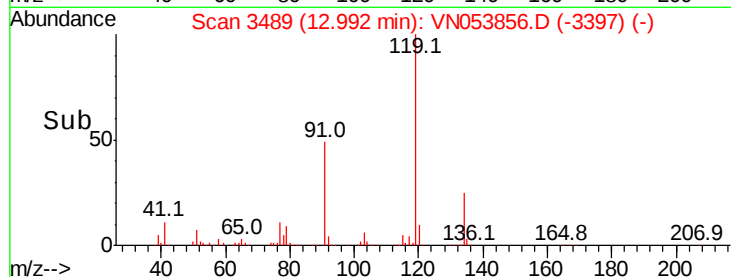
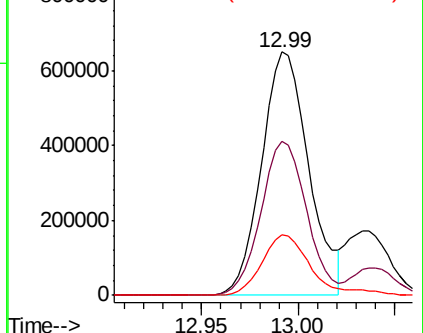
134 25.9 12.9 38.7



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: 52.258 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053856.D

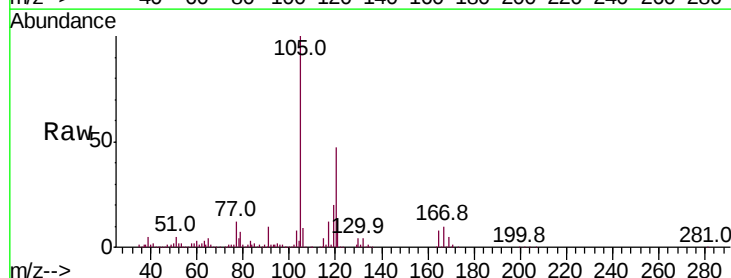
Acq: 19 Feb 2019 9:02

Tgt Ion:105 Resp: 1249936

Ion Ratio Lower Upper

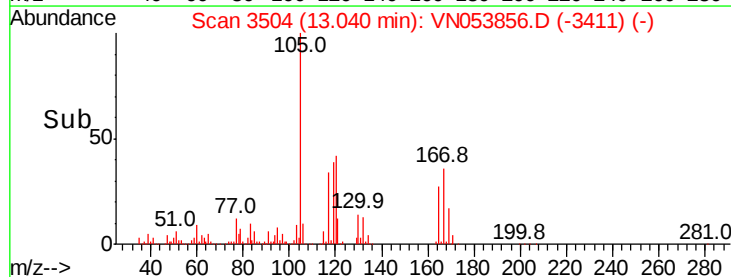
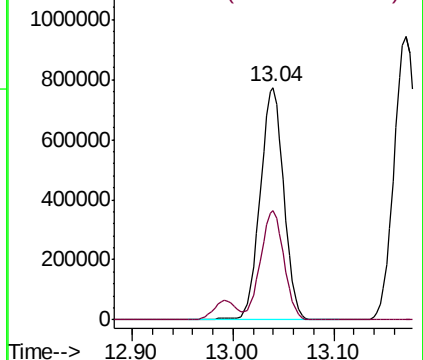
105 100

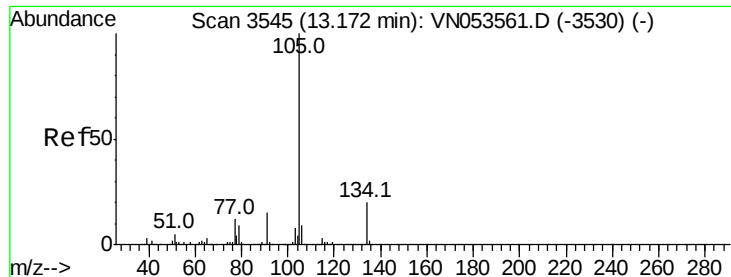
120 46.9 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.264 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

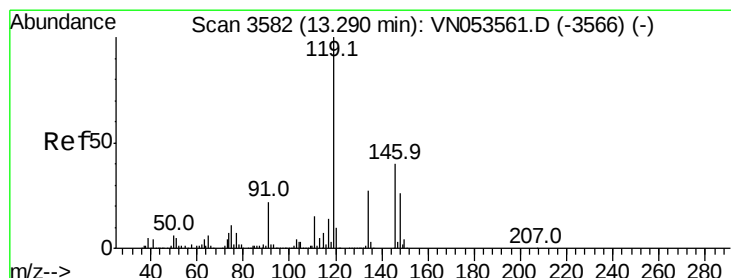
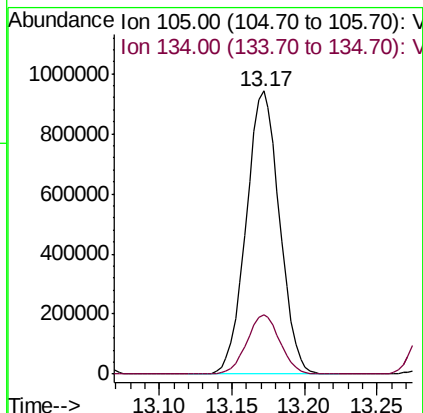
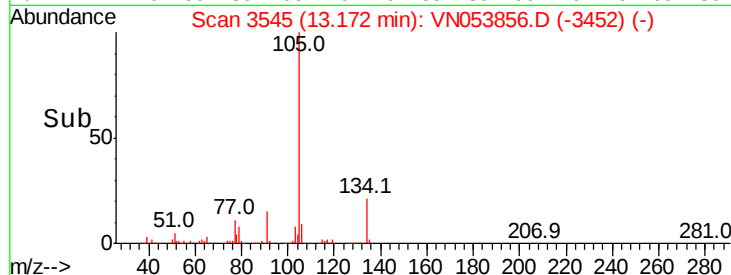
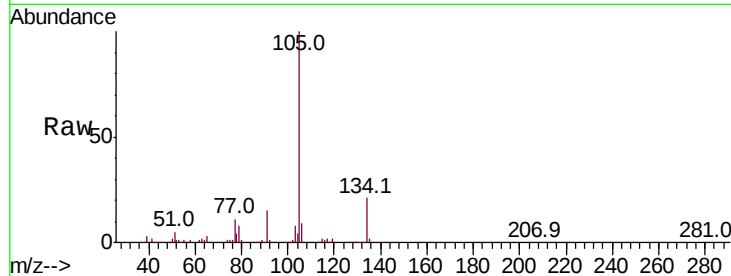
VSTDCCC050

Tot Ion:105 Resp: 1503957

Ion Ratio Lower Upper

105 100

134 21.0 10.2 30.6



#86

p-Isopropyltoluene

Concen: 53.884 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

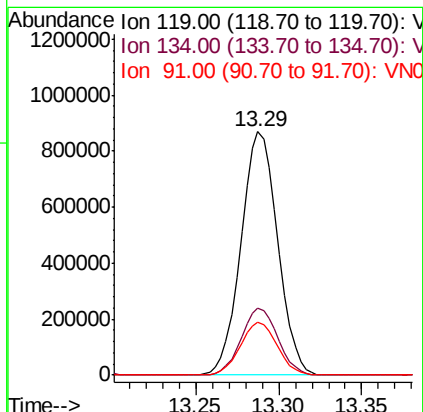
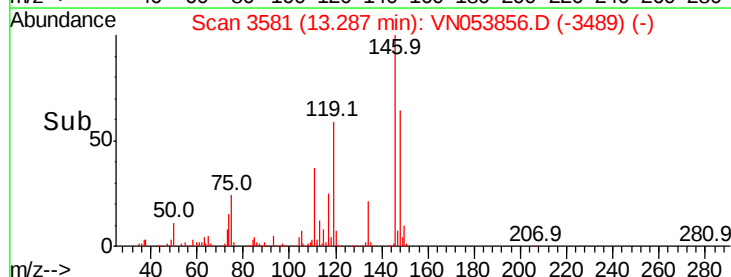
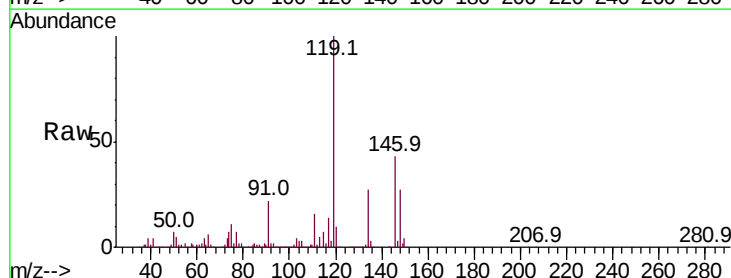
Tgt Ion:119 Resp: 1330649

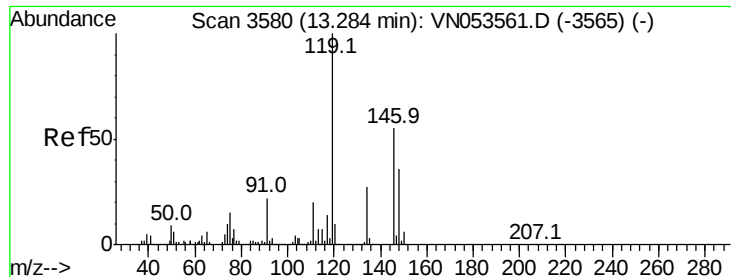
Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

91 21.8 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 50.493 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

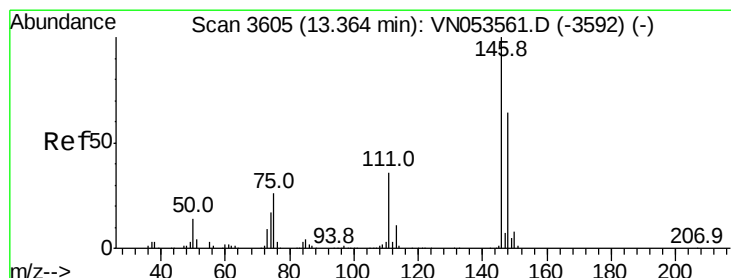
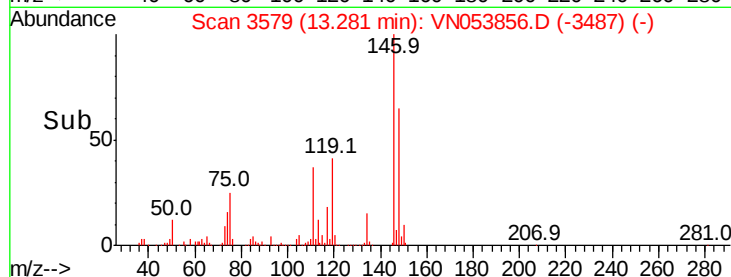
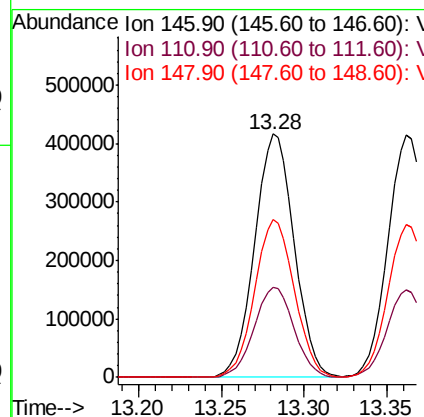
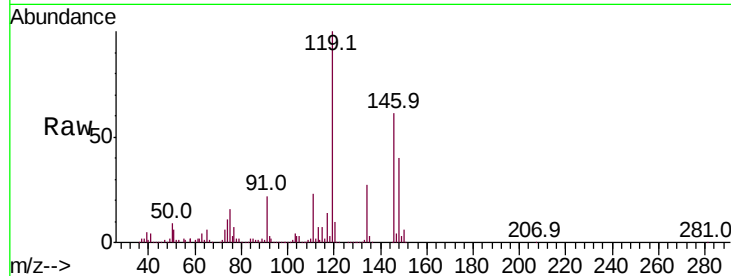
Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 692563

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	64.8	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 50.643 ug/l

RT: 13.36 min Scan# 3604

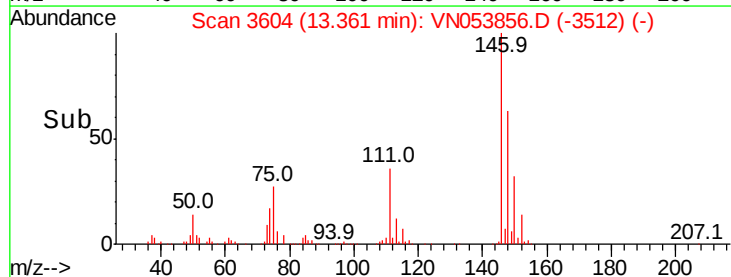
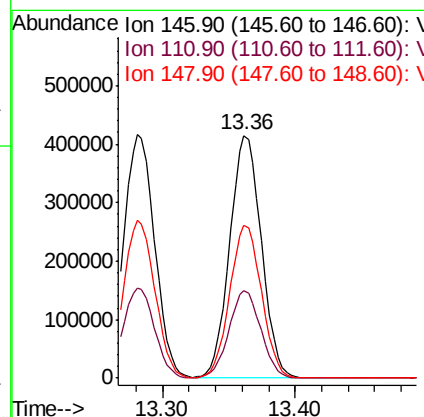
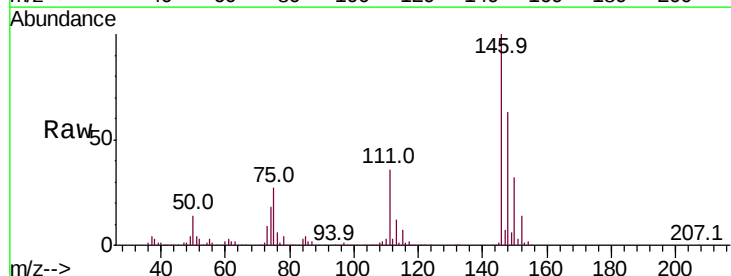
Delta R.T. -0.00 min

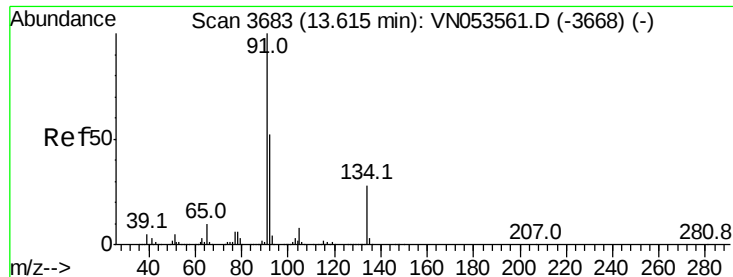
Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Tgt Ion:146 Resp: 687116

Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.6	55.8
148	63.3	32.4	97.0

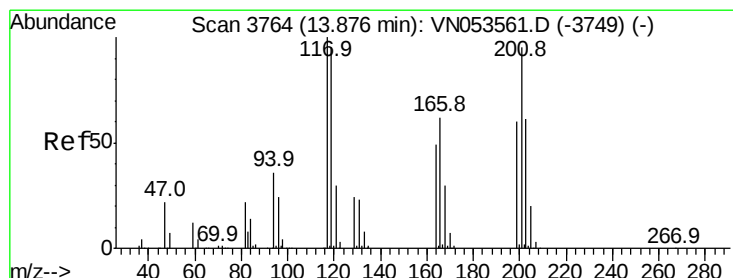
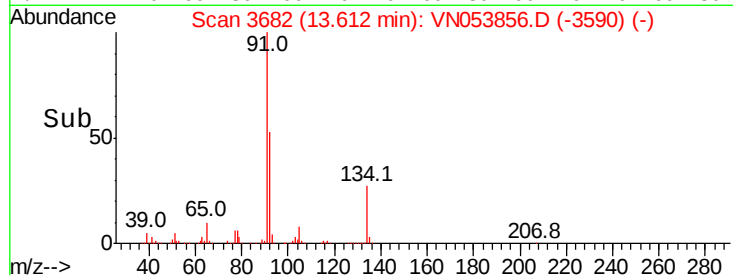
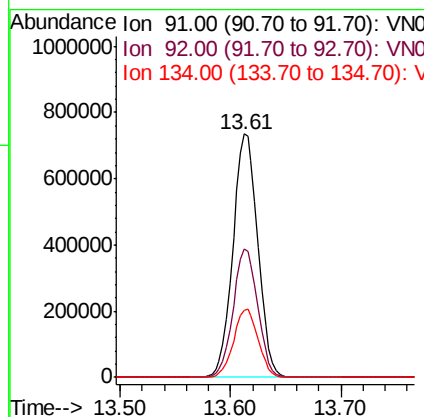
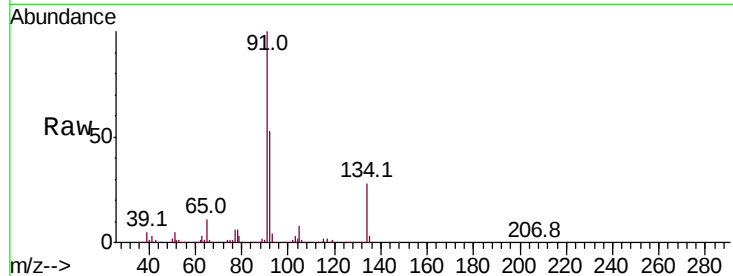




#89
n-Butylbenzene
Concen: 53.615 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

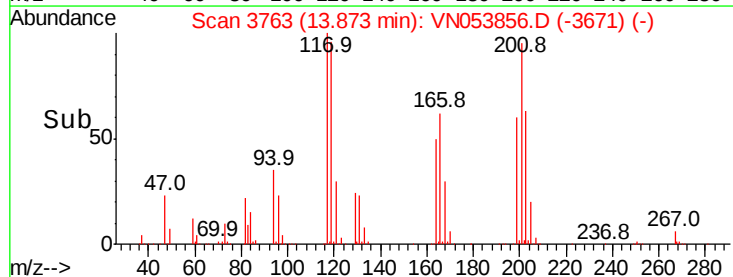
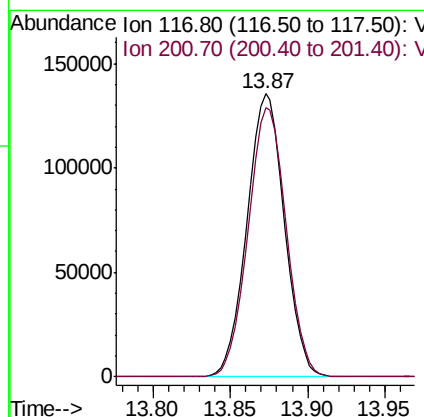
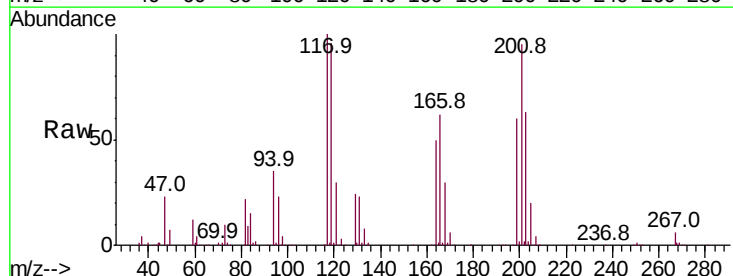
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

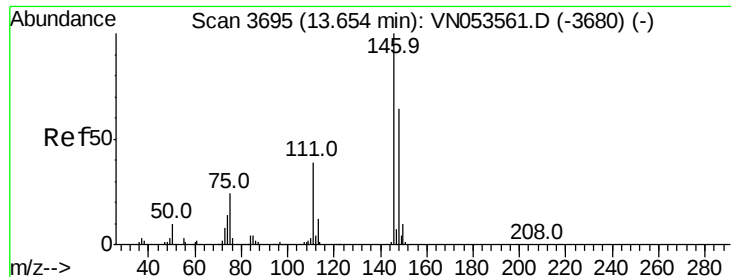
Tot Ion: 91 Resp: 1146006
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.8
134 27.6 13.5 40.5



#90
Hexachloroethane
Concen: 56.120 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053856.D
Acq: 19 Feb 2019 9:02

Tgt Ion: 117 Resp: 228592
Ion Ratio Lower Upper
117 100
201 96.3 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 51.510 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

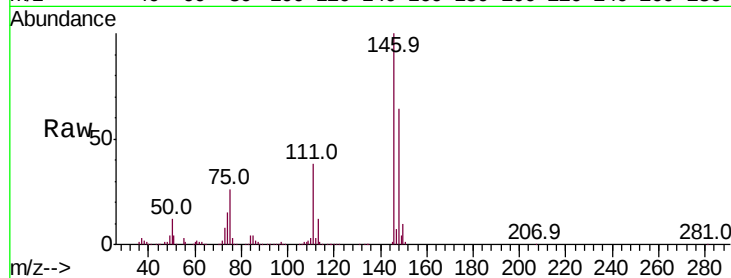
Tot Ion:146 Resp: 676374

Ion Ratio Lower Upper

146 100

111 38.4 19.5 58.5

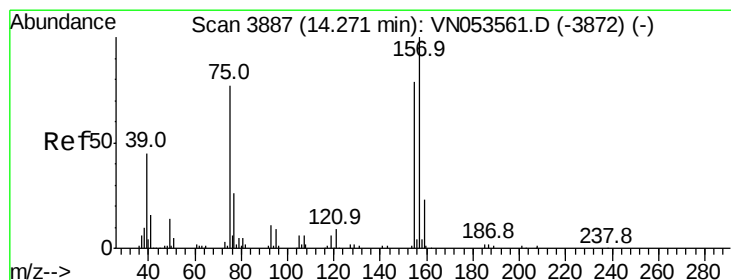
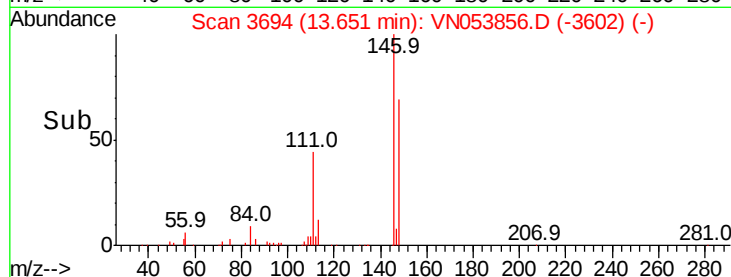
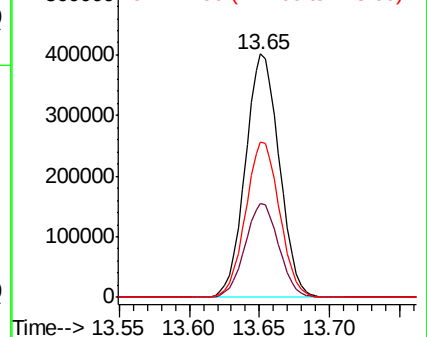
148 64.0 31.9 95.9



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: 50.434 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

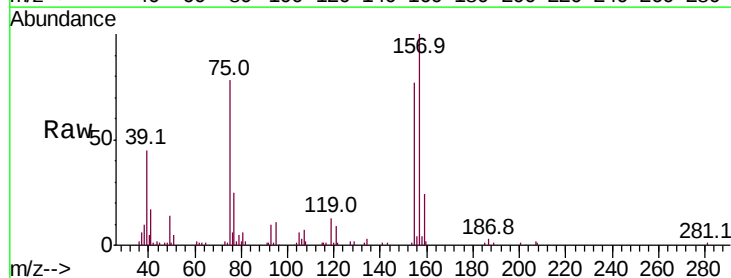
Tgt Ion: 75 Resp: 48701

Ion Ratio Lower Upper

75 100

155 99.6 48.9 146.7

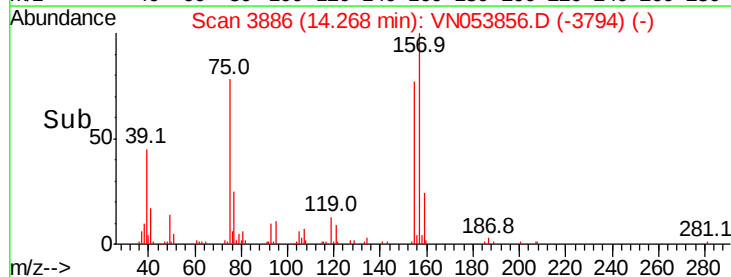
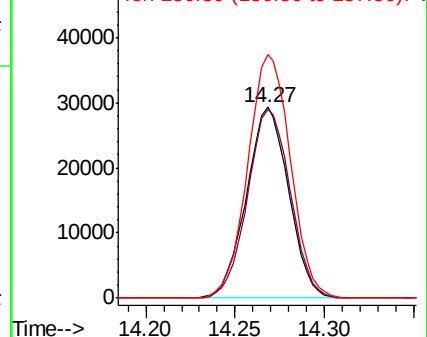
157 128.9 63.7 191.3

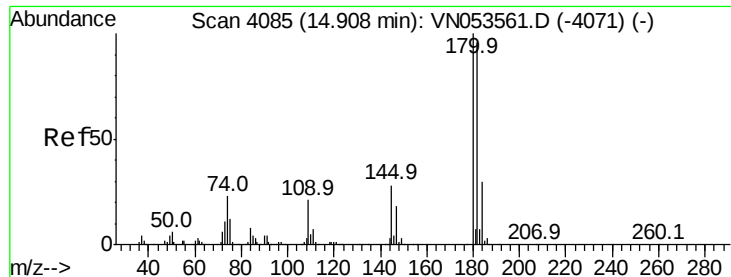


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

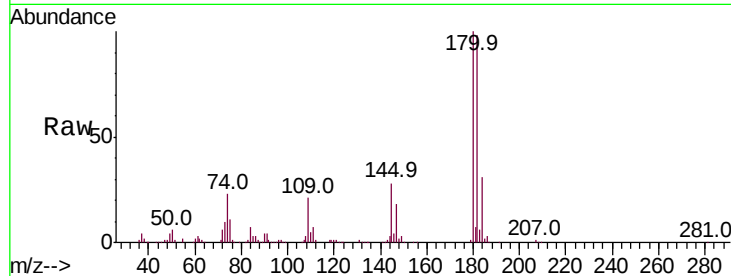




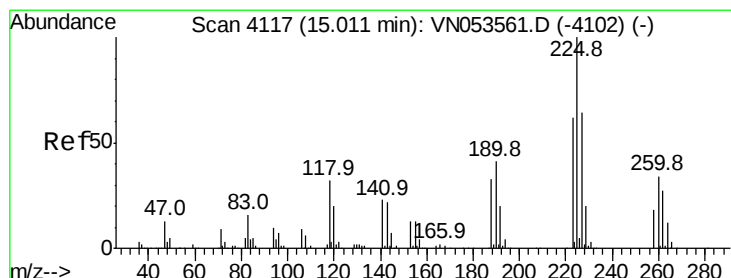
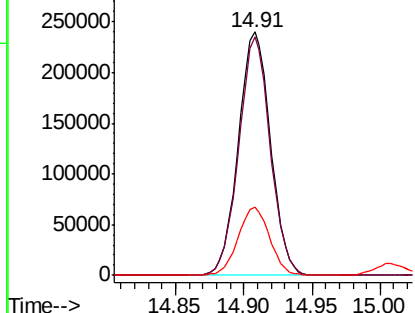
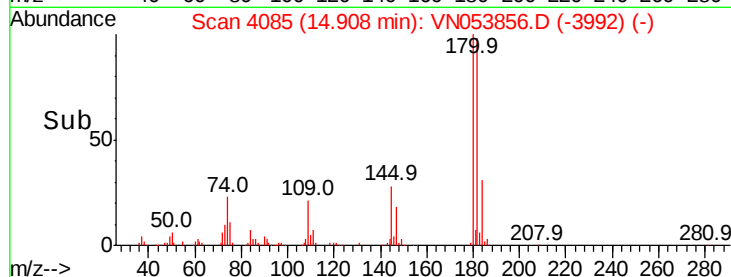
#93
 1,2,4-Trichlorobenzene
 Concen: 51.992 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053856.D
 Acq: 19 Feb 2019 9:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.1	144.3
145	27.8	13.9	41.6

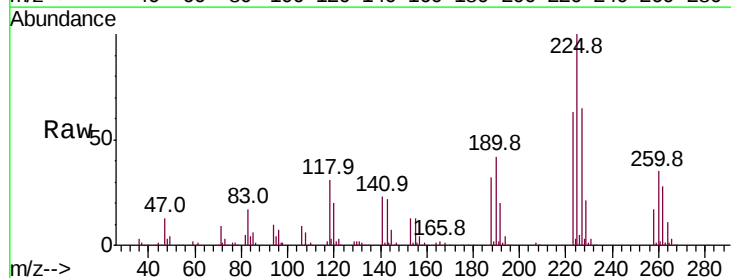


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

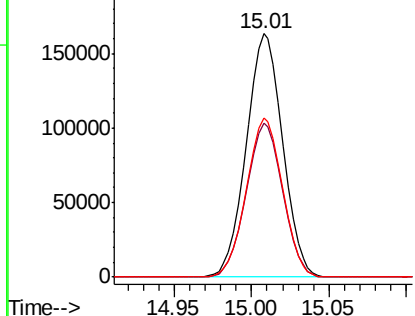
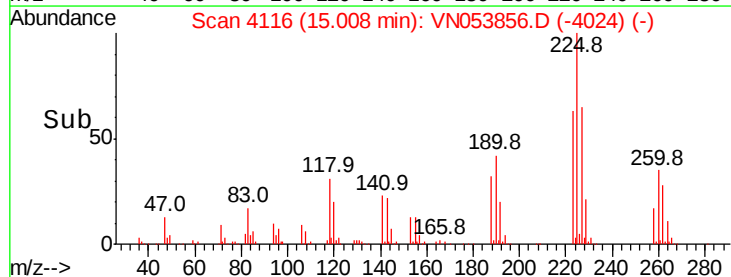


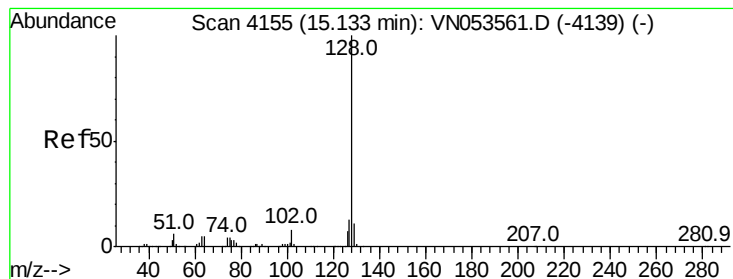
#94
 Hexachlorobutadiene
 Concen: 57.041 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053856.D
 Acq: 19 Feb 2019 9:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.2
227	65.1	32.0	96.2



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





#95

Naphthalene

Concen: 40.634 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

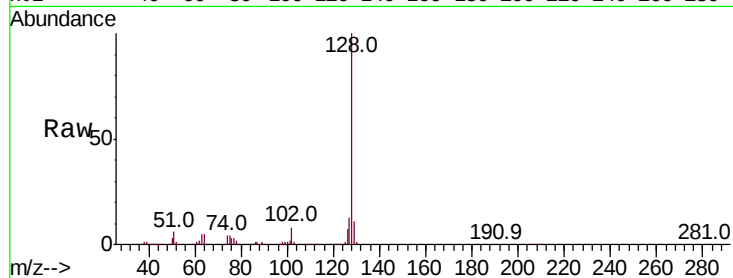
Tot Ion:128 Resp: 712897

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

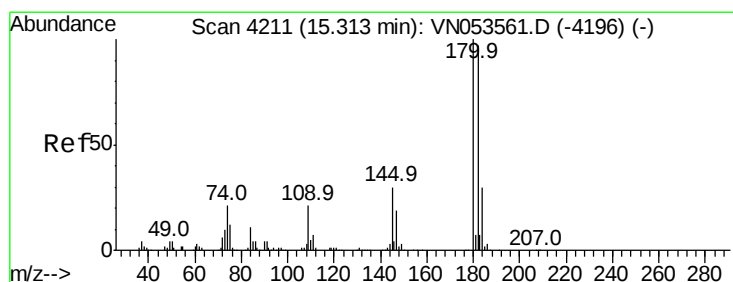
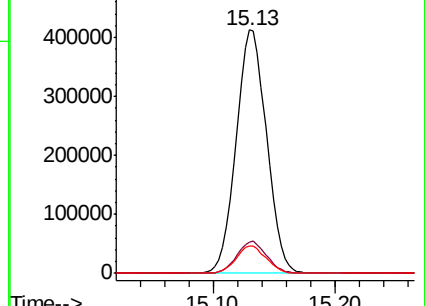
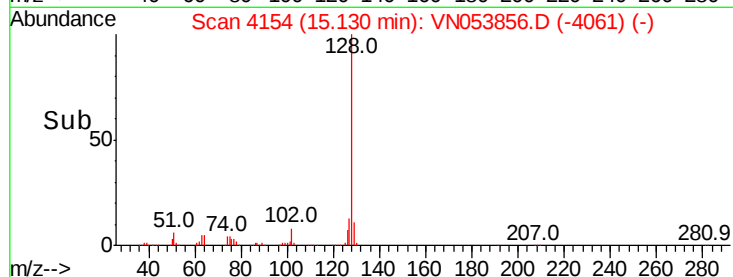
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.445 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053856.D

Acq: 19 Feb 2019 9:02

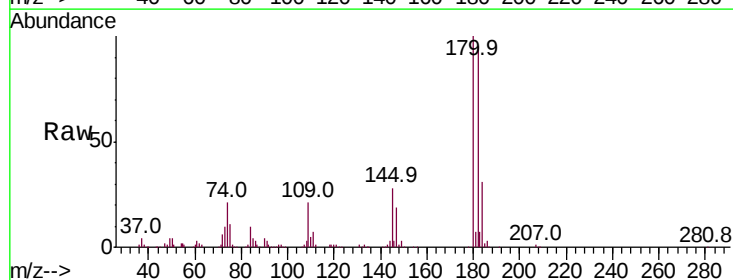
Tgt Ion:180 Resp: 366477

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.8

145 28.8 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

