

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
 Data File : VN058103.D
 Acq On : 16 Sep 2019 9:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 17 03:46:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	339014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	541958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	513705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	357307	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	7.57	113	258894	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.08	98	1023501	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.40	95	371854	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	249372	53.189	ug/l	99
3) Chloromethane	2.04	50	203079	42.498	ug/l	98
4) Vinyl Chloride	2.17	62	216395	42.788	ug/l	100
5) Bromomethane	2.54	94	134585	48.377	ug/l	97
6) Chloroethane	2.68	64	135656	42.094	ug/l	100
7) Trichlorofluoromethane	3.00	101	301200	47.325	ug/l	99
8) Diethyl Ether	3.39	74	136532	51.434	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	217877	54.267	ug/l	99
10) Methyl Iodide	3.93	142	218342	48.870	ug/l	99
11) Tert butyl alcohol	4.76	59	190570	229.309	ug/l	100
12) 1,1-Dichloroethene	3.72	96	179343	49.681	ug/l	96
13) Acrolein	3.59	56	47877	67.904	ug/l	99
14) Allyl chloride	4.30	41	365633	51.756	ug/l	100
15) Acrylonitrile	4.96	53	618616	270.818	ug/l	99
16) Acetone	3.79	43	673778	299.330	ug/l	98
17) Carbon Disulfide	4.03	76	261032	46.471	ug/l	99
18) Methyl Acetate	4.30	43	346739	57.773	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	836629	55.690	ug/l	99
20) Methylene Chloride	4.53	84	244005	57.117	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	195296	50.046	ug/l	98
22) Diisopropyl ether	5.93	45	935300	56.455	ug/l	99
23) Vinyl Acetate	5.87	43	3410524	290.476	ug/l	99
24) 1,1-Dichloroethane	5.83	63	496250	54.808	ug/l	100
25) 2-Butanone	6.81	43	906585	278.271	ug/l	96
26) 2,2-Dichloropropane	6.81	77	412475	57.564	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	281164	53.764	ug/l	98
28) Bromochloromethane	7.17	49	236081	52.190	ug/l	96
29) Tetrahydrofuran	7.19	42	528607	263.310	ug/l	99
30) Chloroform	7.36	83	522038	55.142	ug/l	100
31) Cyclohexane	7.64	56	336781	54.797	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	417715	55.633	ug/l	99
36) 1,1-Dichloropropene	7.78	75	324939	51.698	ug/l	99
37) Ethyl Acetate	6.91	43	347671	53.538	ug/l	99
38) Carbon Tetrachloride	7.76	117	330384	57.574	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	342284	51.804	ug/l	97
40) Benzene	8.03	78	1024669	54.150	ug/l	98
41) Methacrylonitrile	7.16	41	178706	60.624	ug/l	95
42) 1,2-Dichloroethane	8.11	62	424974	56.155	ug/l	99
43) Isopropyl Acetate	8.15	43	627706	57.479	ug/l	99
44) Trichloroethene	8.82	130	250337	53.938	ug/l	99
45) 1,2-Dichloropropane	9.11	63	311377	56.550	ug/l	98
46) Dibromomethane	9.20	93	187041	56.214	ug/l	99
47) Bromodichloromethane	9.40	83	402794	60.622	ug/l	98
48) Methyl methacrylate	9.19	41	303186	54.730	ug/l	99
49) 1,4-Dioxane	9.19	88	86599	924.414	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1864560	288.522	ug/l	100
52) Toluene	10.15	92	649049	54.458	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	428679	61.267	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	462696	59.896	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	292476	57.934	ug/l	99
56) Ethyl methacrylate	10.43	69	437370	57.530	ug/l	99
57) 1,3-Dichloropropane	10.71	76	493725	56.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	907736	253.509	ug/l	100
59) 2-Hexanone	10.75	43	1398735	288.765	ug/l	100
60) Dibromochloromethane	10.90	129	293175	62.538	ug/l	100
61) 1,2-Dibromoethane	11.00	107	273320	57.266	ug/l	99
64) Tetrachloroethene	10.63	164	203514	53.656	ug/l	99
65) Chlorobenzene	11.43	112	746456	55.523	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	283361	60.742	ug/l	99
67) Ethyl Benzene	11.51	91	1335375	56.677	ug/l	100
68) m/p-Xylenes	11.62	106	986999	114.362	ug/l	100
69) o-Xylene	11.95	106	487664	56.838	ug/l	98
70) Styrene	11.97	104	865197	58.594	ug/l	99
71) Bromoform	12.13	173	181567	62.427	ug/l #	99
73) Isopropylbenzene	12.25	105	1368444	55.169	ug/l	100
74) N-amyl acetate	12.07	43	574596	53.228	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	432632	51.802	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	532522	73.642	ug/l #	100
77) Bromobenzene	12.53	156	323751	52.350	ug/l	98
78) n-propylbenzene	12.59	91	1618246	56.814	ug/l	100
79) 2-Chlorotoluene	12.68	91	953988	52.992	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1183606	56.474	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115555	56.234	ug/l	97
82) 4-Chlorotoluene	12.78	91	1022610	55.315	ug/l	100
83) tert-Butylbenzene	13.00	119	1025560	55.049	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1209180	56.766	ug/l	99
85) sec-Butylbenzene	13.18	105	1395151	56.500	ug/l	99
86) p-Isopropyltoluene	13.29	119	1271001	58.418	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	623973	54.969	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	623786	54.138	ug/l	100
89) n-Butylbenzene	13.62	91	1204224	58.610	ug/l	100
90) Hexachloroethane	13.88	117	193369	59.761	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	619505	54.628	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	79769	57.836	ug/l	99

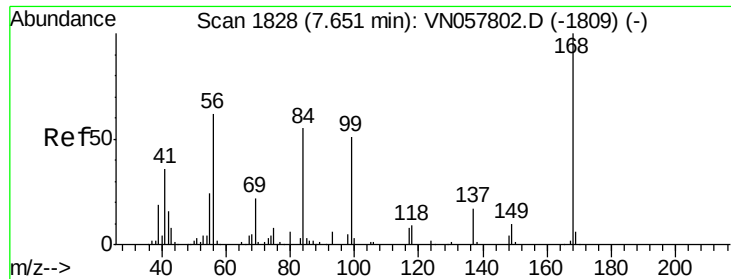
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	407271	54.945	ug/l	98
94) Hexachlorobutadiene	15.02	225	182660	58.133	ug/l	99
95) Naphthalene	15.13	128	1104166	59.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	379475	58.470	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

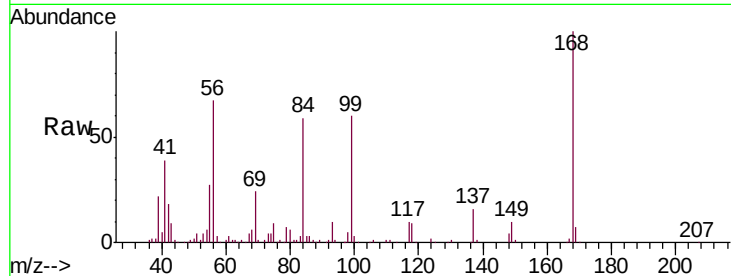
VSTDCCC050

Tgt Ion:168 Resp: 339014

Ion Ratio Lower Upper

168 100

99 59.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

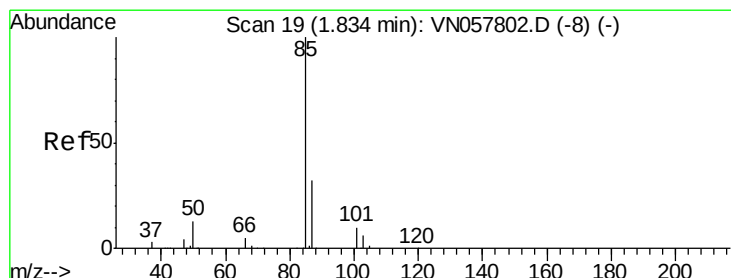
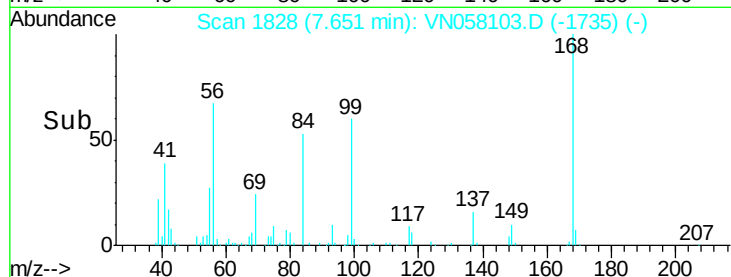
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 53.189 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058103.D

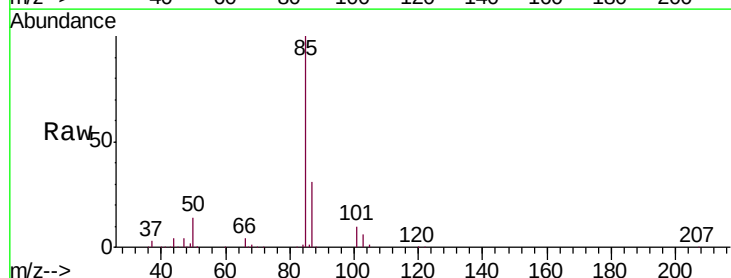
Acq: 16 Sep 2019 9:19

Tgt Ion: 85 Resp: 249372

Ion Ratio Lower Upper

85 100

87 31.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

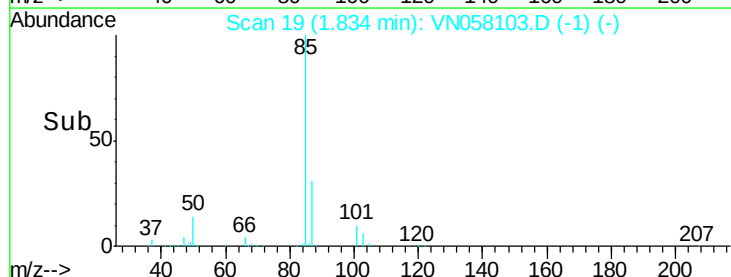
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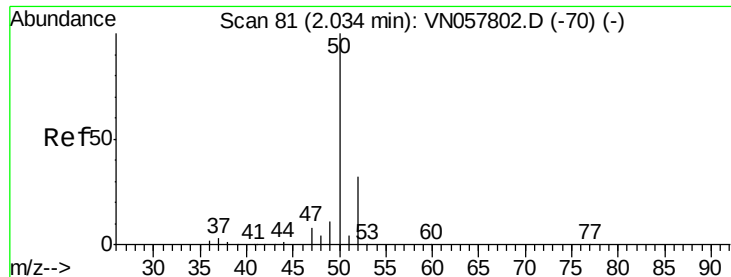
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 42.498 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

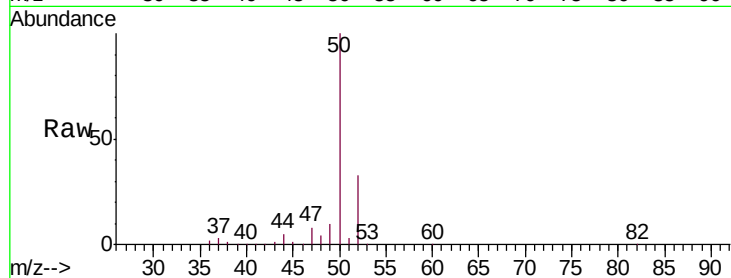
VSTDCCC050

Tgt Ion: 50 Resp: 203079

Ion Ratio Lower Upper

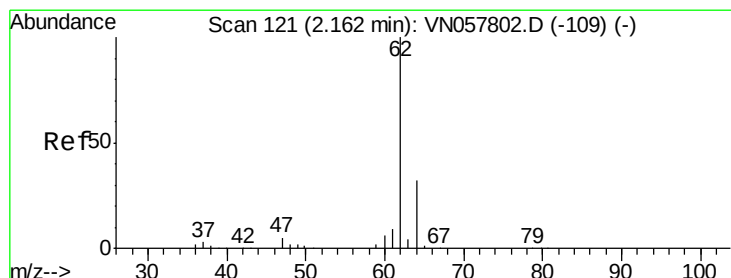
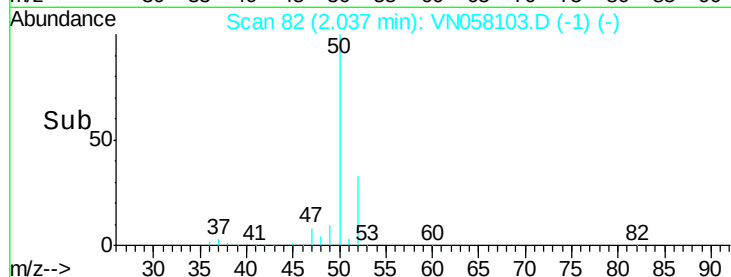
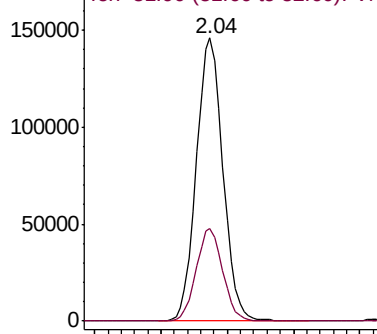
50 100

52 32.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 42.788 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058103.D

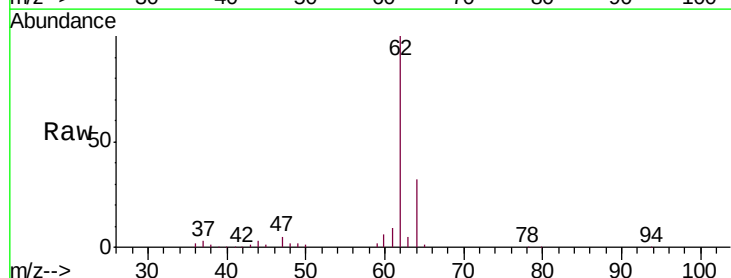
Acq: 16 Sep 2019 9:19

Tgt Ion: 62 Resp: 216395

Ion Ratio Lower Upper

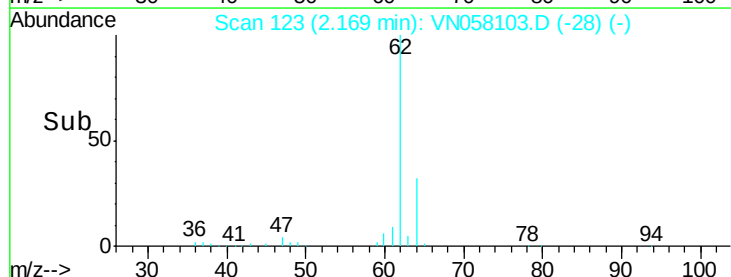
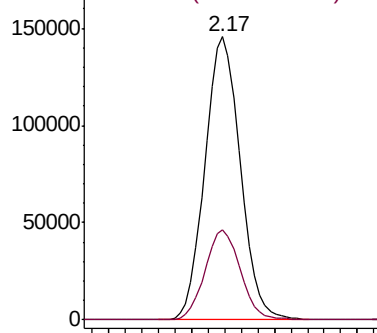
62 100

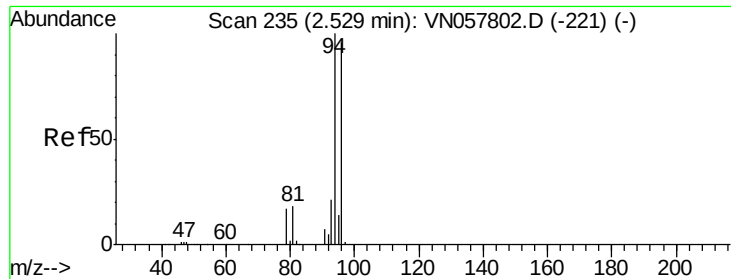
64 31.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.377 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

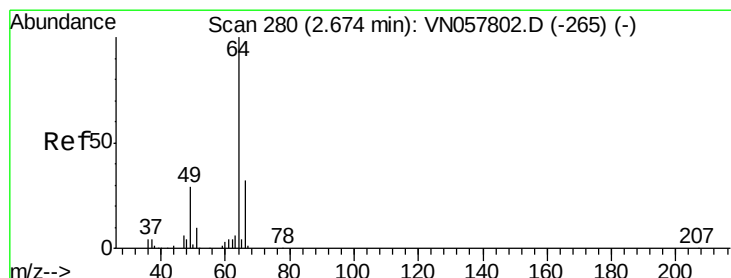
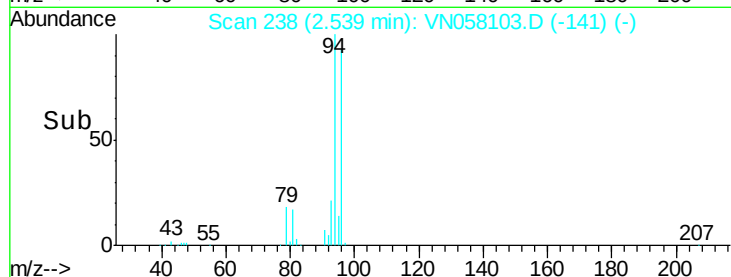
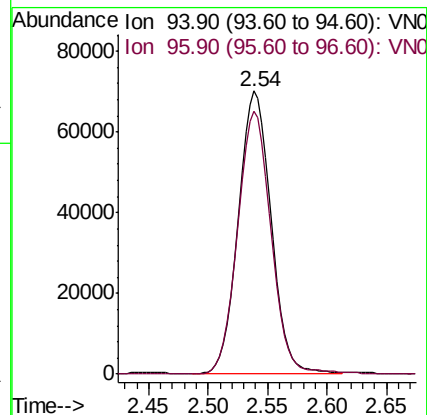
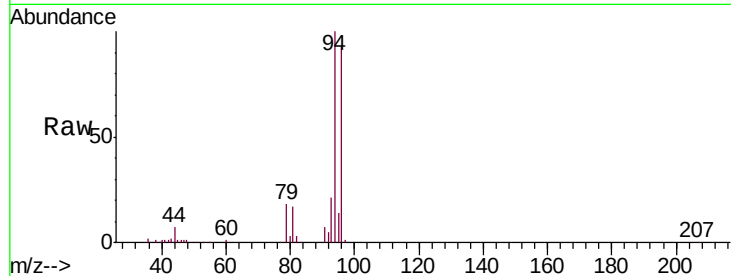
VSTDCCC050

Tgt Ion: 94 Resp: 134585

Ion Ratio Lower Upper

94 100

96 92.9 77.0 115.4



#6

Chloroethane

Concen: 42.094 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058103.D

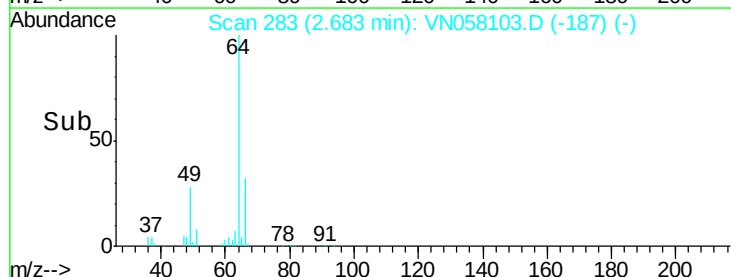
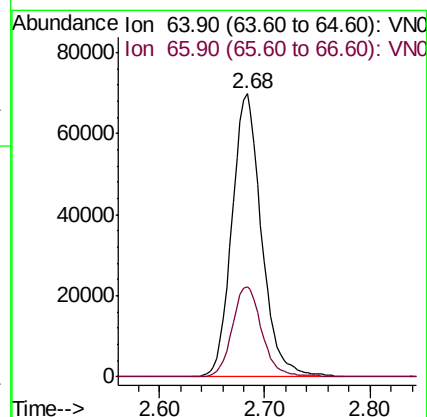
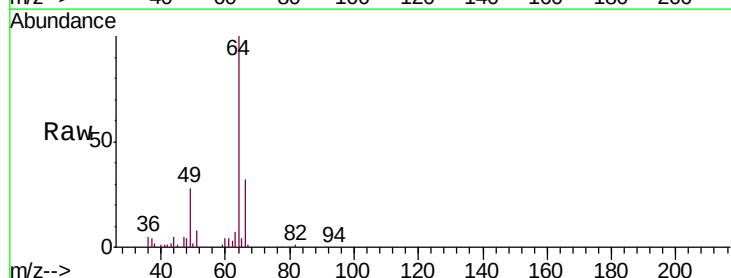
Acq: 16 Sep 2019 9:19

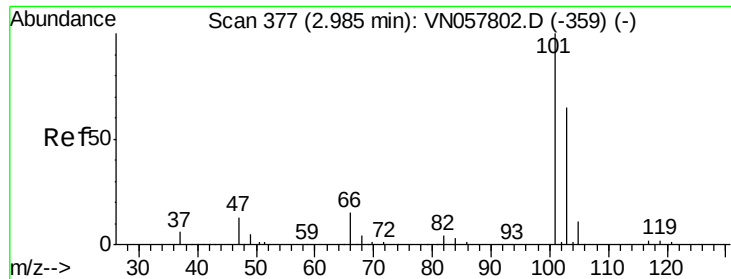
Tgt Ion: 64 Resp: 135656

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3



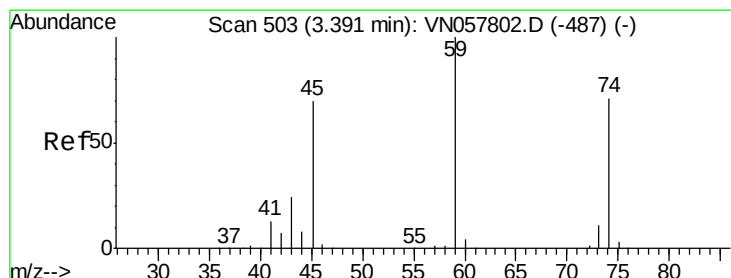
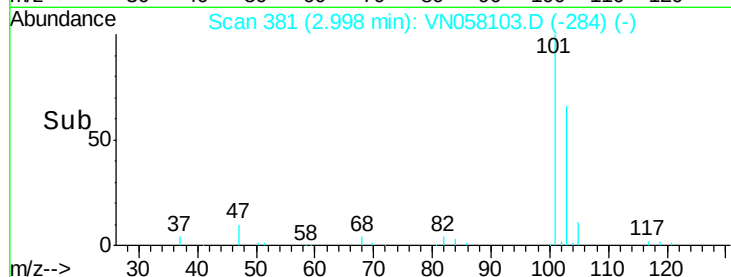
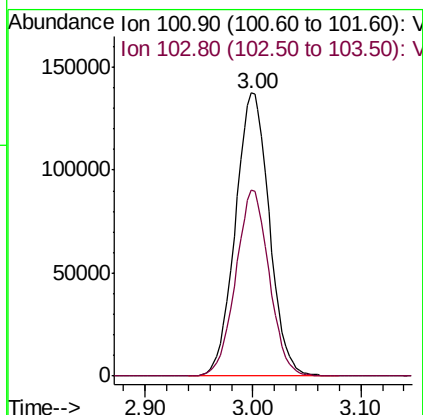
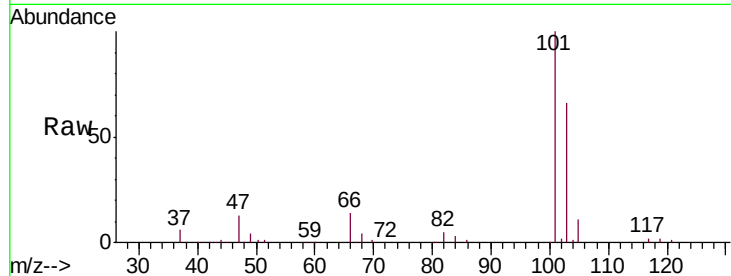


#7

Trichlorofluoromethane
 Concen: 47.325 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

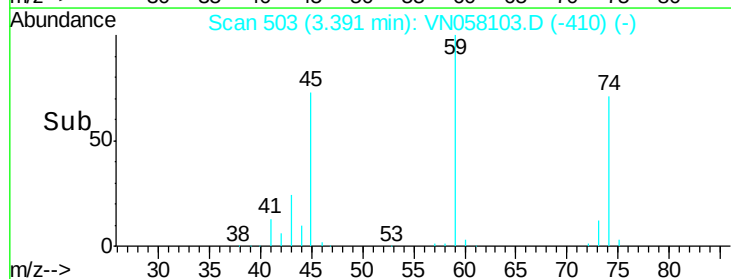
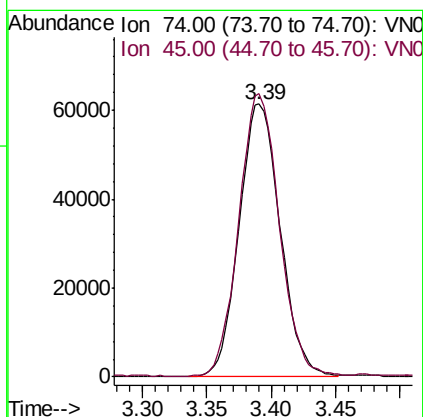
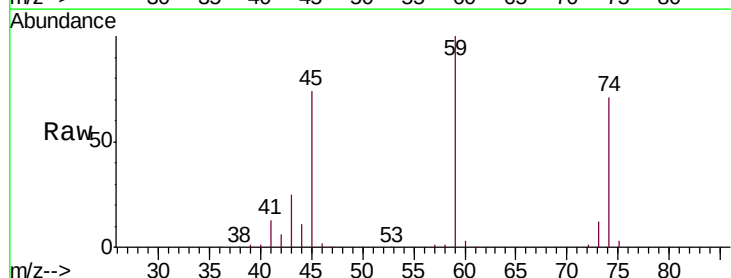
Tgt Ion: 101 Resp: 301200
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.9 77.9

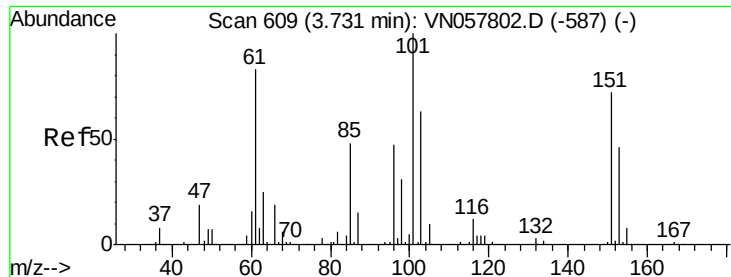


#8

Diethyl Ether
 Concen: 51.434 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion: 74 Resp: 136532
 Ion Ratio Lower Upper
 74 100
 45 101.9 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.267 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

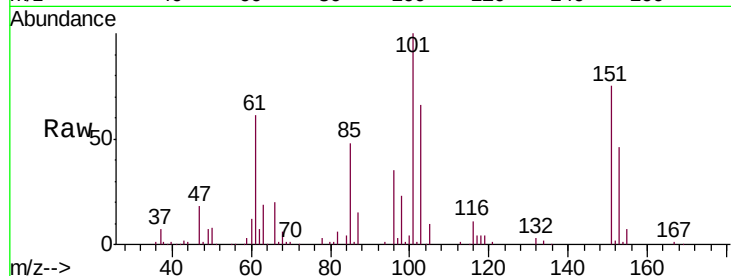
Tgt Ion:101 Resp: 217877

Ion Ratio Lower Upper

101 100

85 47.4 38.1 57.1

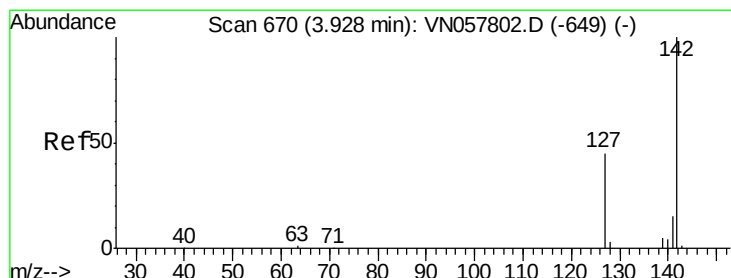
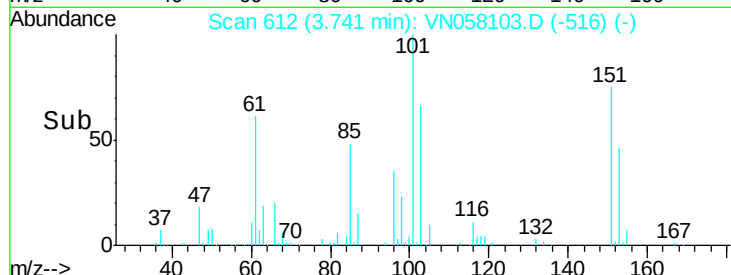
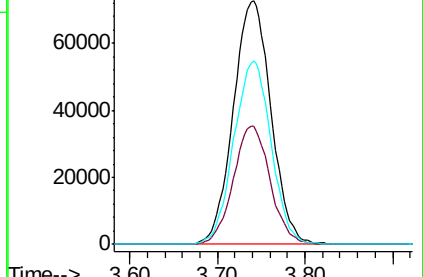
151 74.5 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.870 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

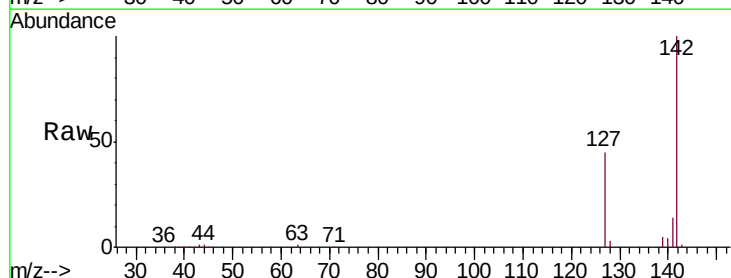
Tgt Ion:142 Resp: 218342

Ion Ratio Lower Upper

142 100

127 46.4 36.7 55.1

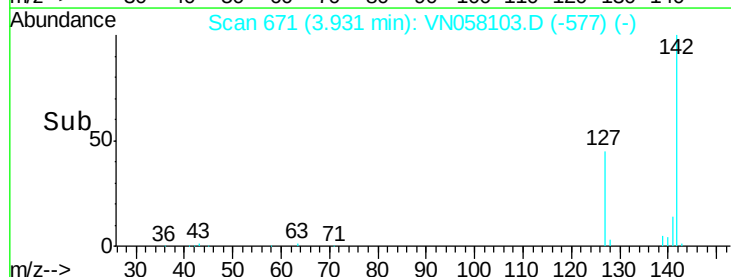
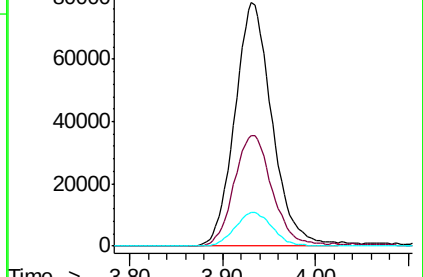
141 13.9 11.4 17.0

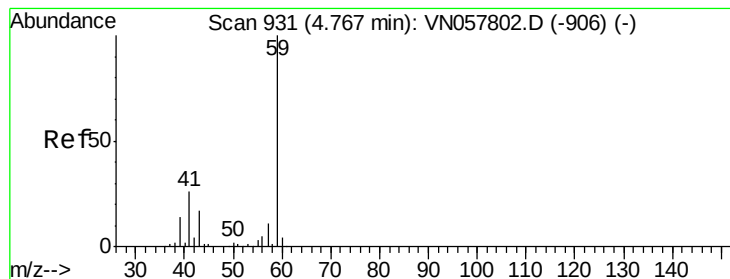


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



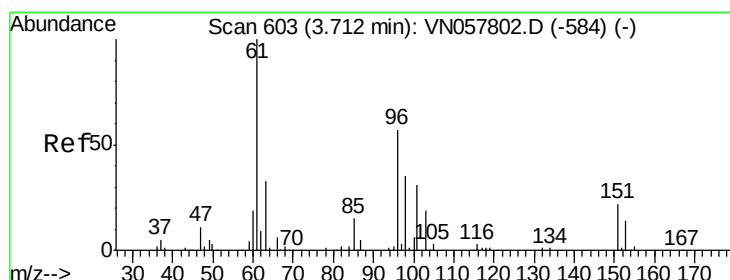
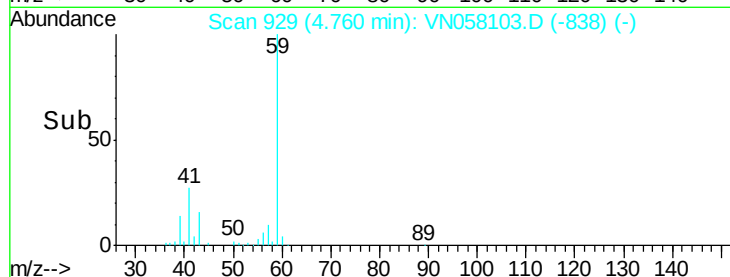
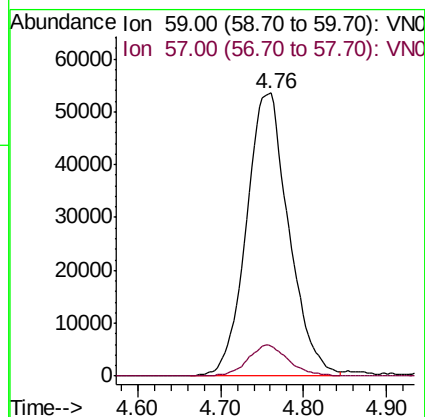
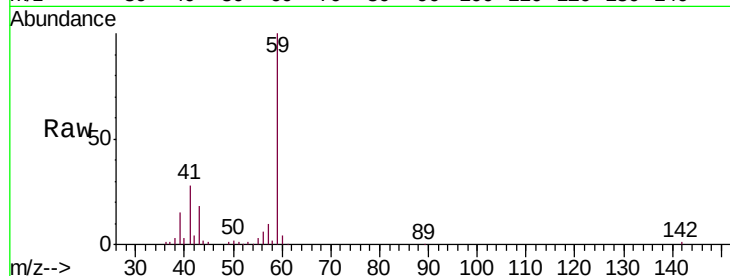


#11

Tert butyl alcohol
 Concen: 229.309 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

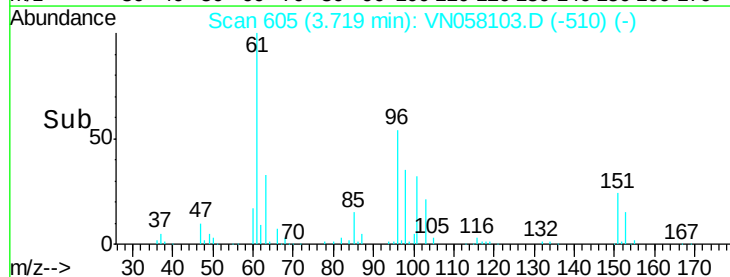
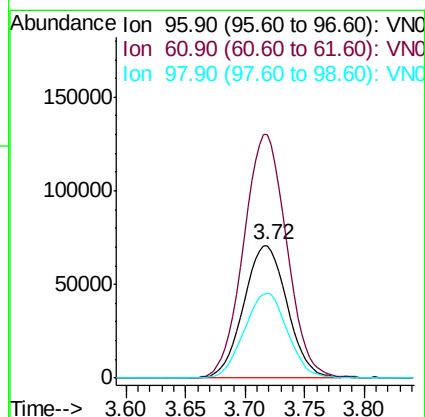
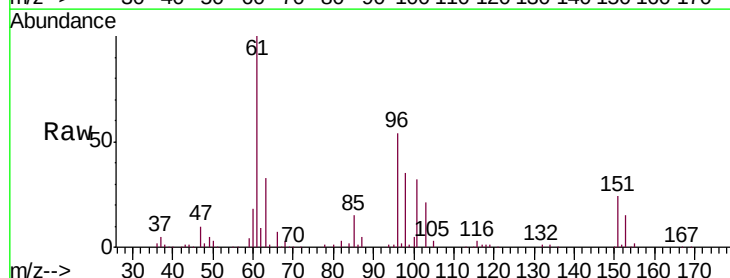
Tgt Ion: 59 Resp: 190570
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

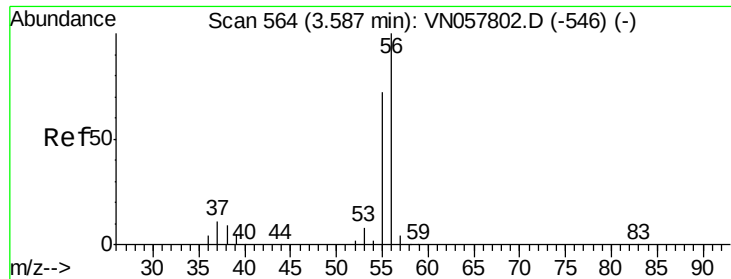


#12

1,1-Dichloroethene
 Concen: 49.681 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion: 96 Resp: 179343
 Ion Ratio Lower Upper
 96 100
 61 183.9 141.2 211.8
 98 63.9 49.9 74.9





#13

Acrolein

Concen: 67.904 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

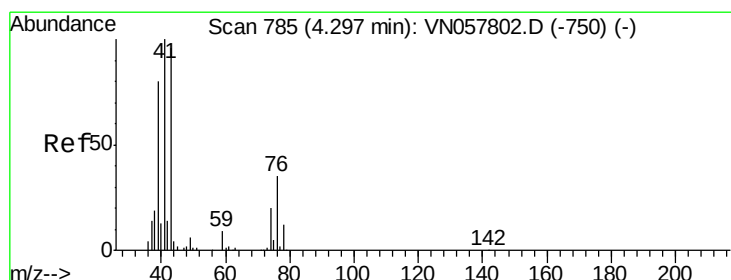
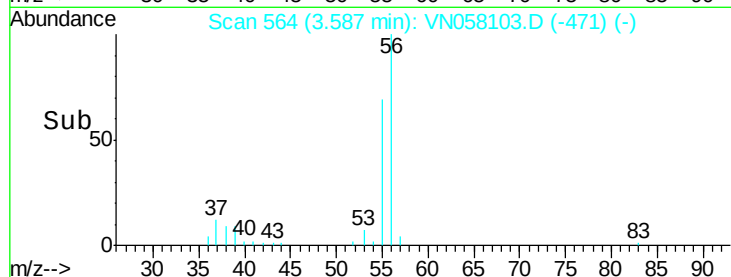
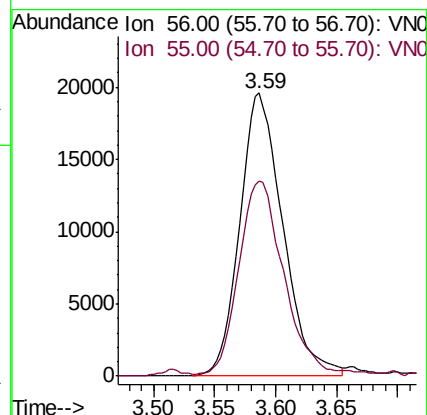
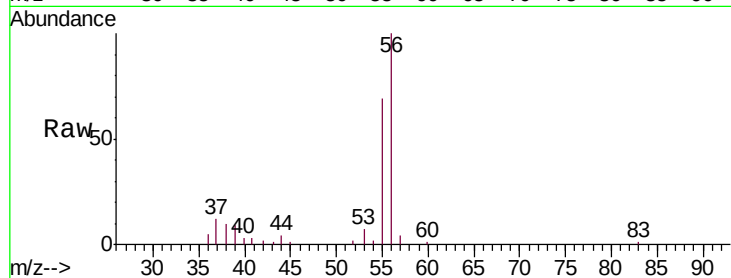
VSTDCCC050

Tgt Ion: 56 Resp: 47877

Ion Ratio Lower Upper

56 100

55 71.1 57.3 85.9



#14

Allyl chloride

Concen: 51.756 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

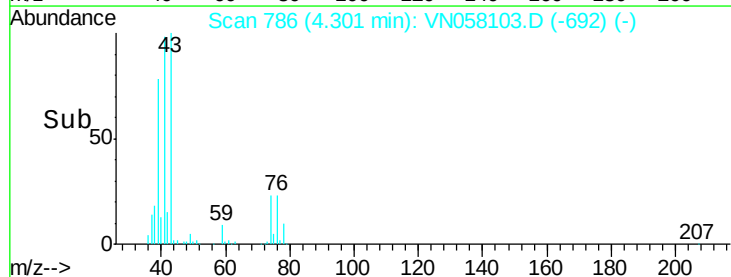
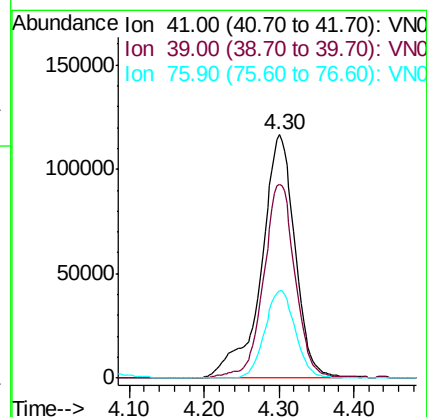
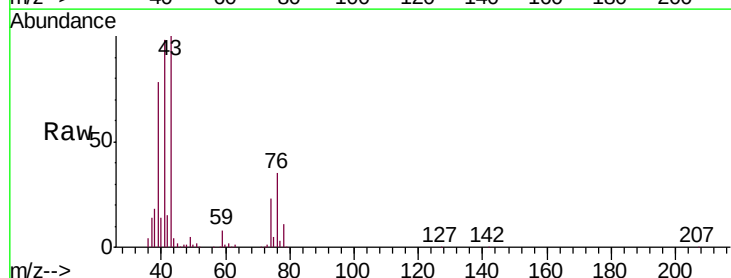
Tgt Ion: 41 Resp: 365633

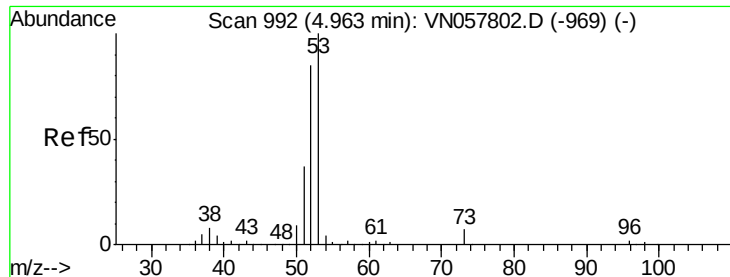
Ion Ratio Lower Upper

41 100

39 74.4 59.4 89.2

76 32.4 26.0 39.0





#15

Acrylonitrile

Concen: 270.818 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

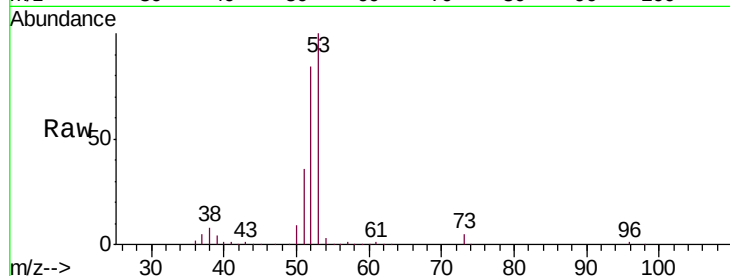
Tgt Ion: 53 Resp: 618616

Ion Ratio Lower Upper

53 100

52 82.6 66.6 100.0

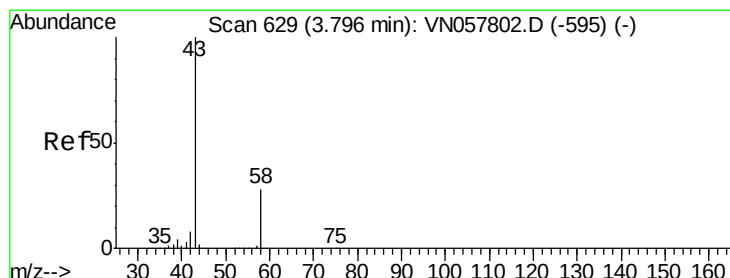
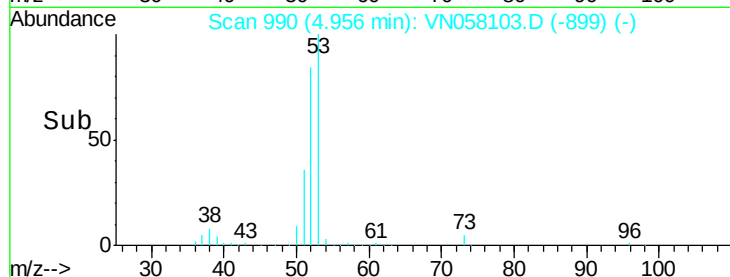
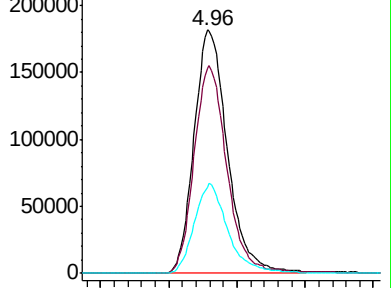
51 37.1 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN057802.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VN057802.D (-969) (-)



#16

Acetone

Concen: 299.330 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058103.D

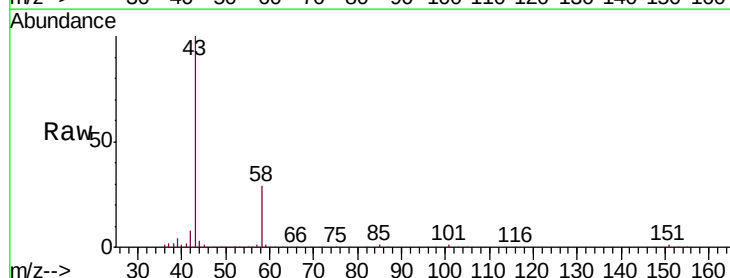
Acq: 16 Sep 2019 9:19

Tgt Ion: 43 Resp: 673778

Ion Ratio Lower Upper

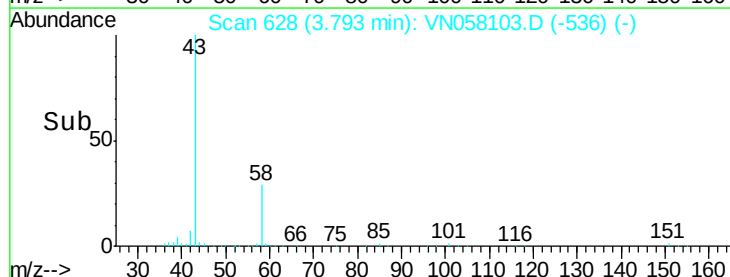
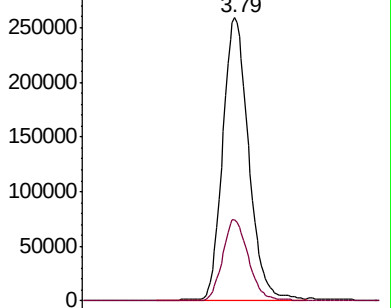
43 100

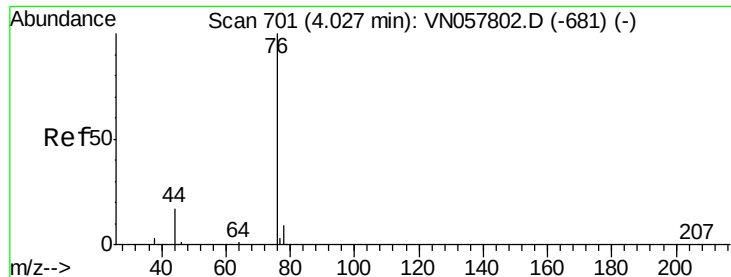
58 28.8 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)





#17

Carbon Disulfide

Concen: 46.471 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

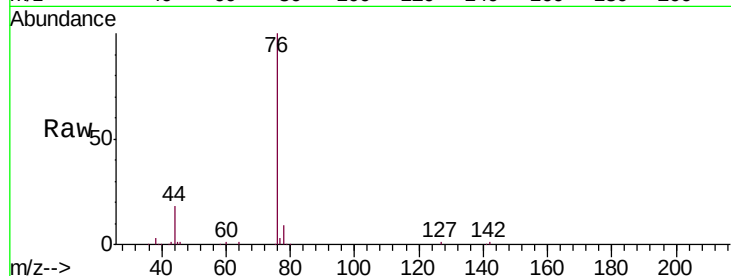
VSTDCCC050

Tgt Ion: 76 Resp: 261032

Ion Ratio Lower Upper

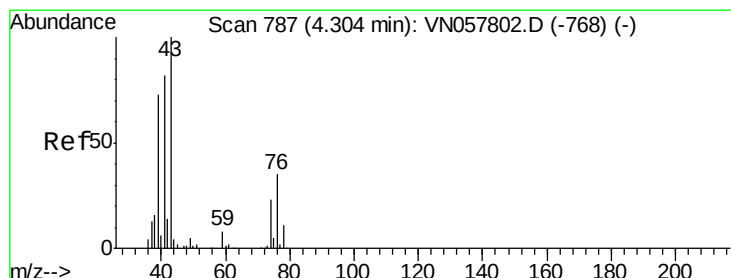
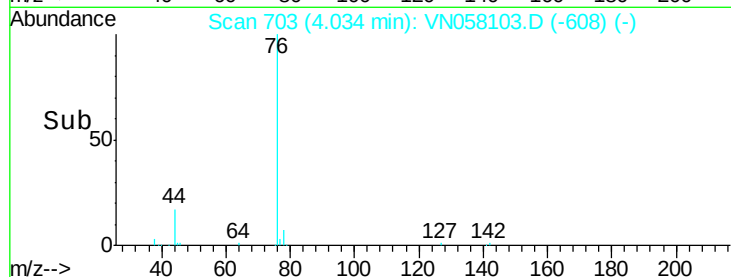
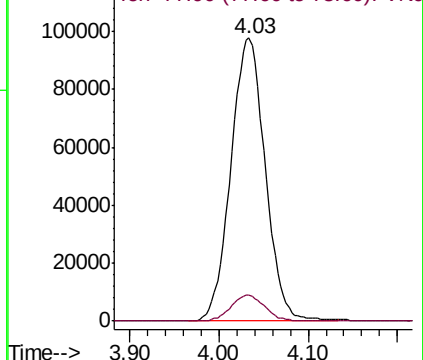
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 57.773 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058103.D

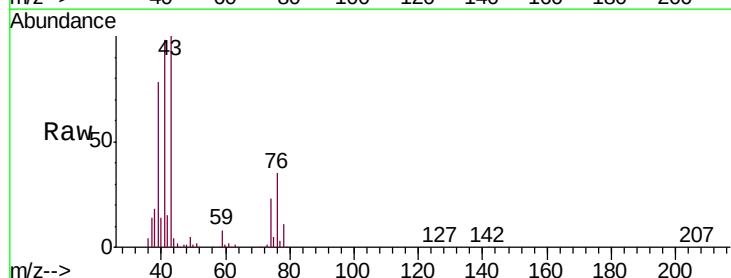
Acq: 16 Sep 2019 9:19

Tgt Ion: 43 Resp: 346739

Ion Ratio Lower Upper

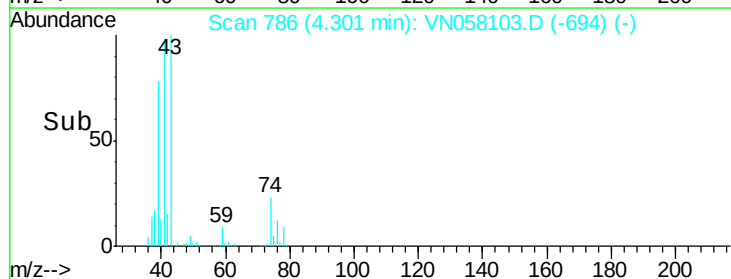
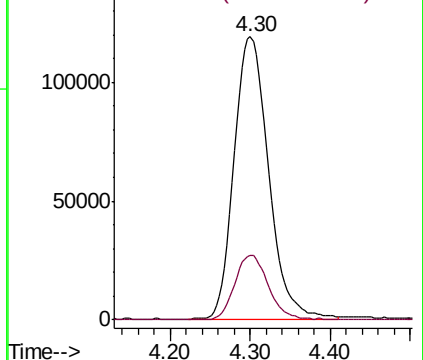
43 100

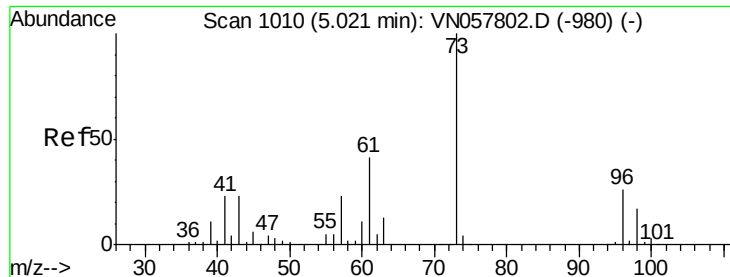
74 22.3 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

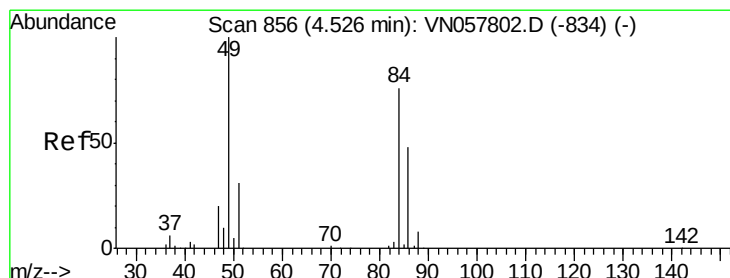
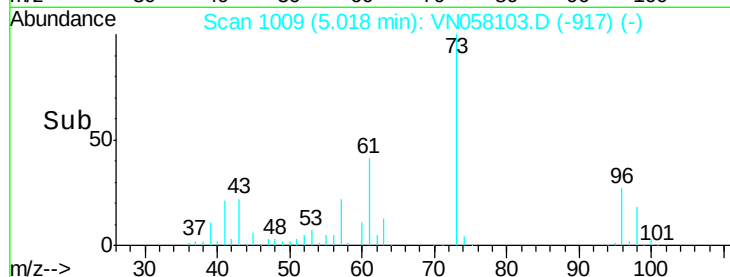
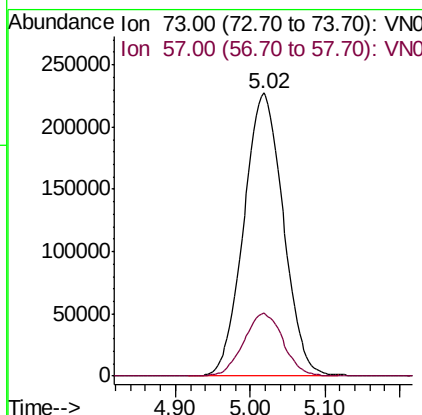
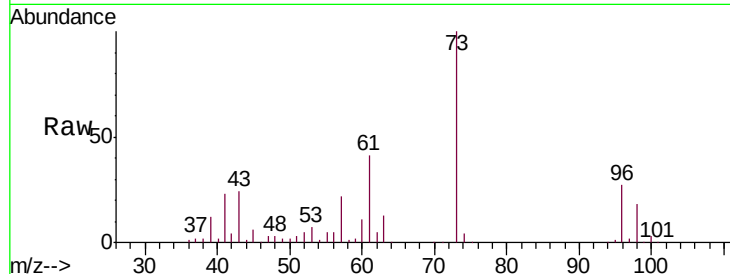




#19
Methyl tert-butyl Ether
Concen: 55.690 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

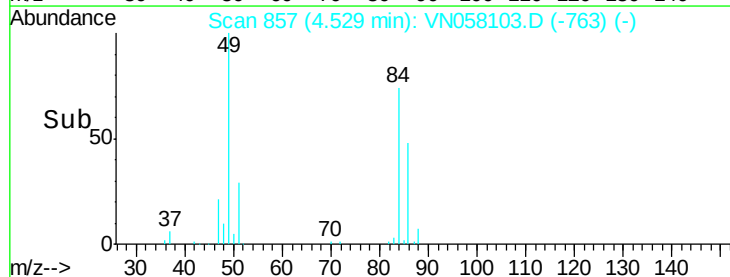
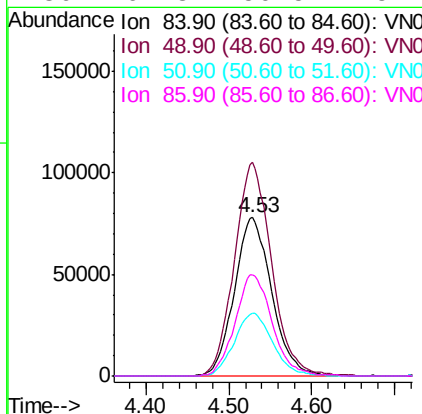
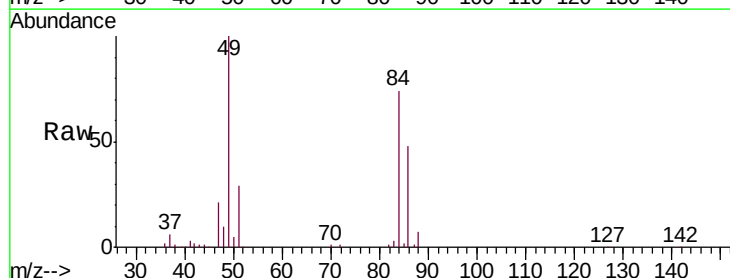
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

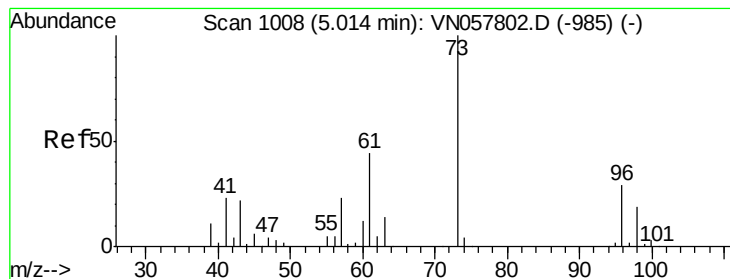
Tgt Ion: 73 Resp: 836629
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.2



#20
Methylene Chloride
Concen: 57.117 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion: 84 Resp: 244005
Ion Ratio Lower Upper
84 100
49 135.0 104.8 157.2
51 39.6 33.0 49.4
86 64.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 50.046 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

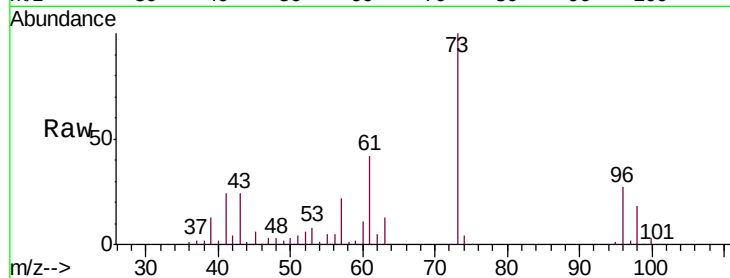
Tgt Ion: 96 Resp: 195296

Ion Ratio Lower Upper

96 100

61 155.6 121.9 182.9

98 65.6 52.2 78.4

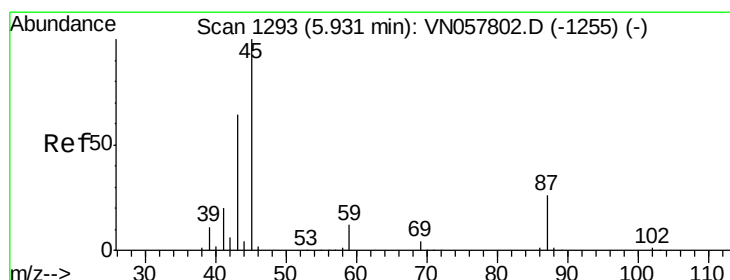
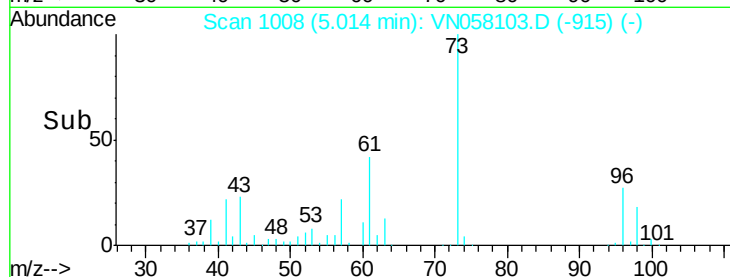
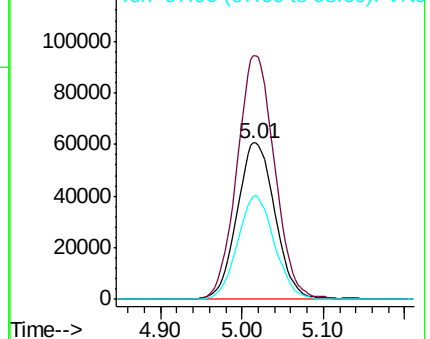


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 56.455 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion: 45 Resp: 935300

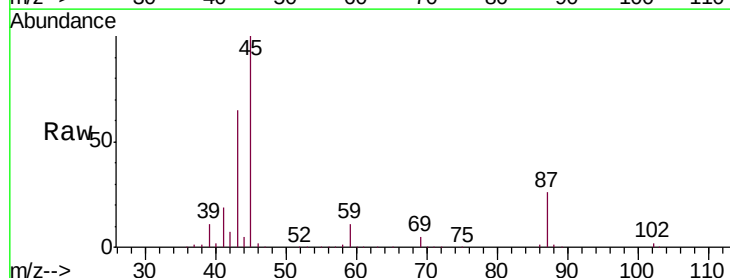
Ion Ratio Lower Upper

45 100

43 65.1 51.4 77.2

87 25.7 21.3 31.9

59 10.7 9.3 13.9



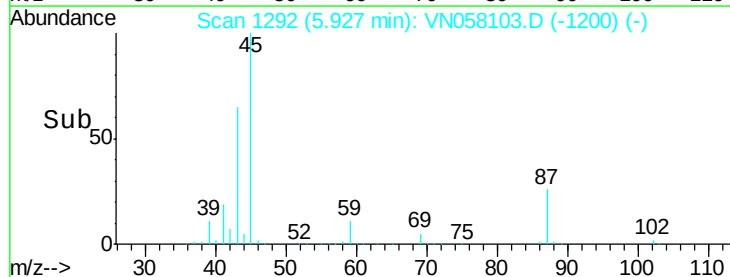
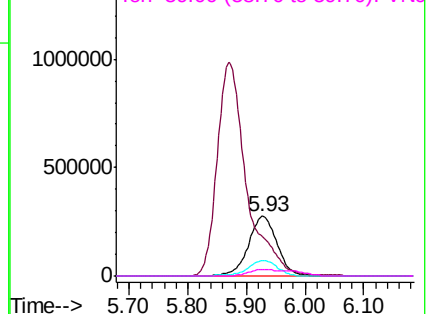
Abundance

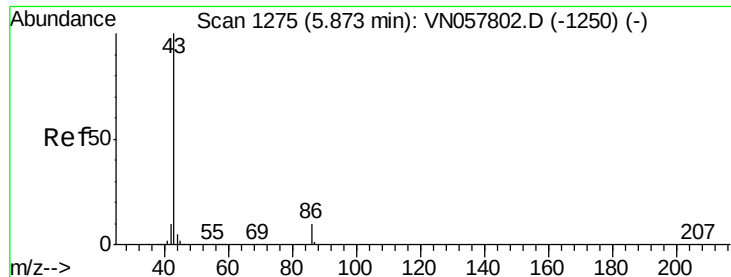
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 290.476 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

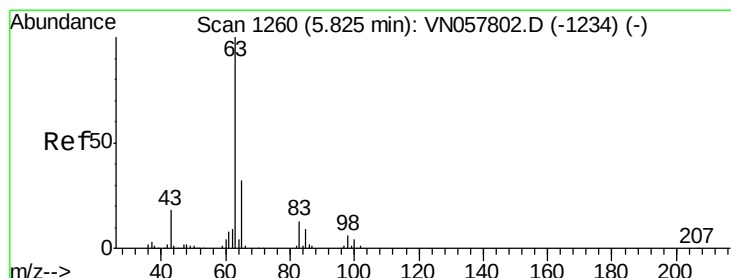
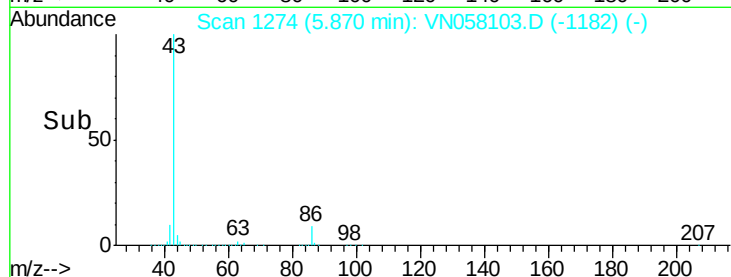
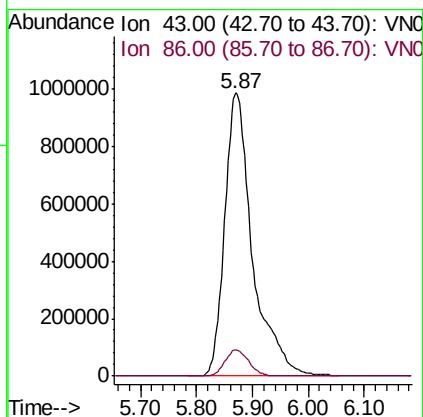
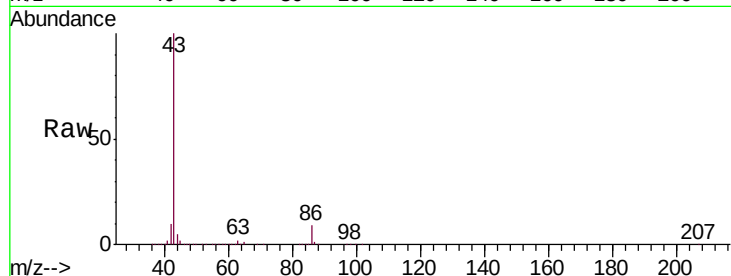
VSTDCCC050

Tgt Ion: 43 Resp: 3410524

Ion Ratio Lower Upper

43 100

86 9.2 7.7 11.5



#24

1,1-Dichloroethane

Concen: 54.808 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

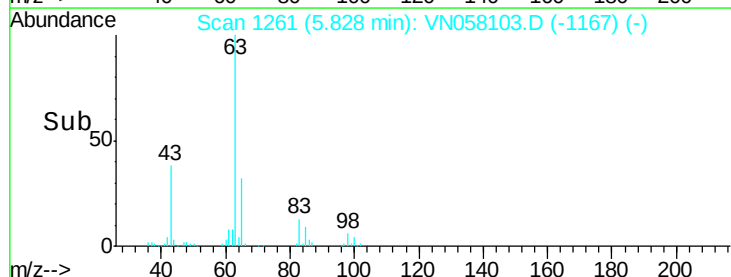
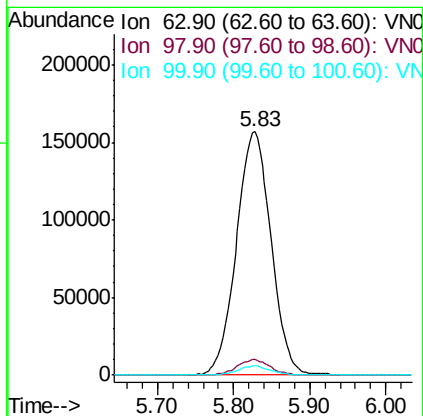
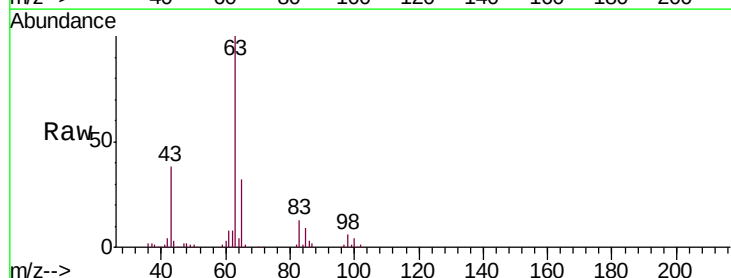
Tgt Ion: 63 Resp: 496250

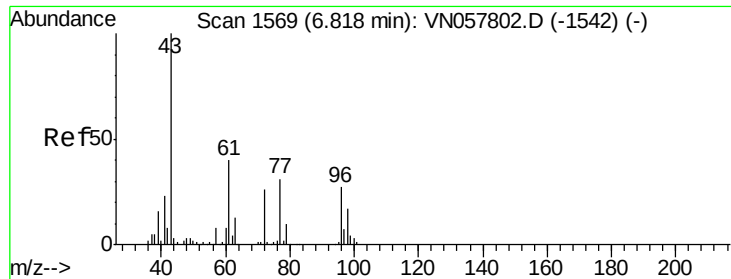
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 278.271 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

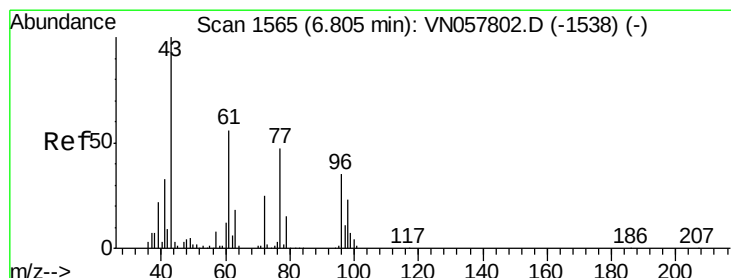
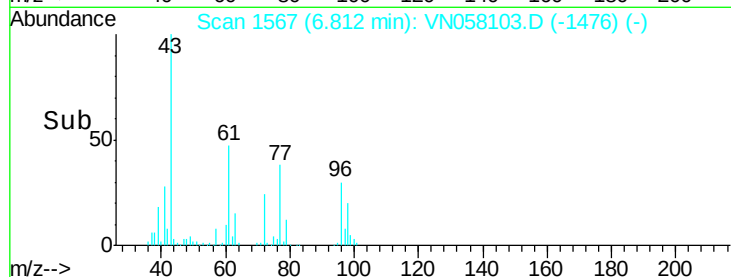
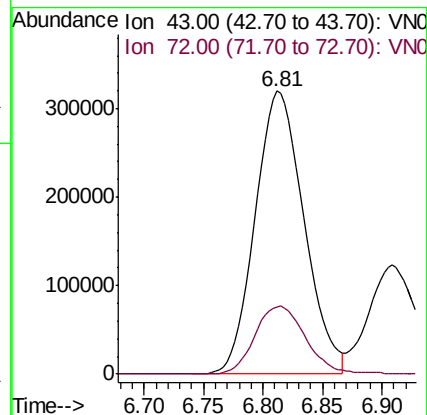
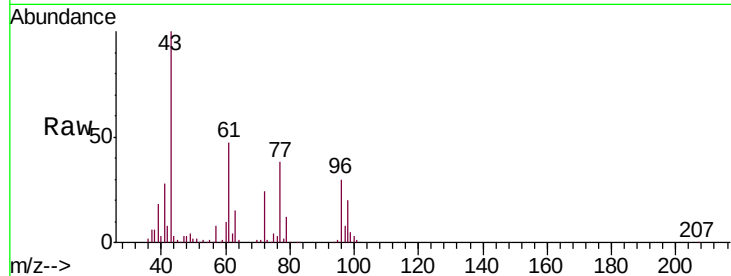
VSTDCCC050

Tgt Ion: 43 Resp: 906585

Ion Ratio Lower Upper

43 100

72 23.9 20.6 30.8



#26

2,2-Dichloropropane

Concen: 57.564 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058103.D

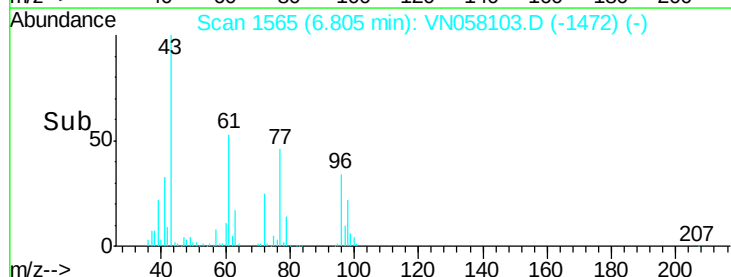
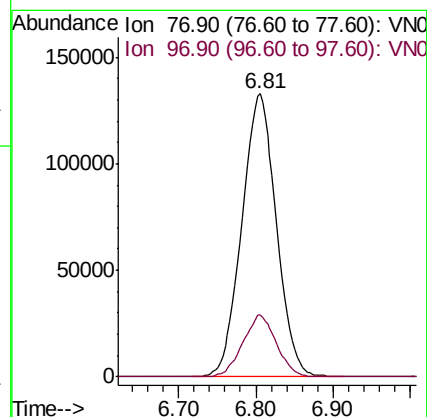
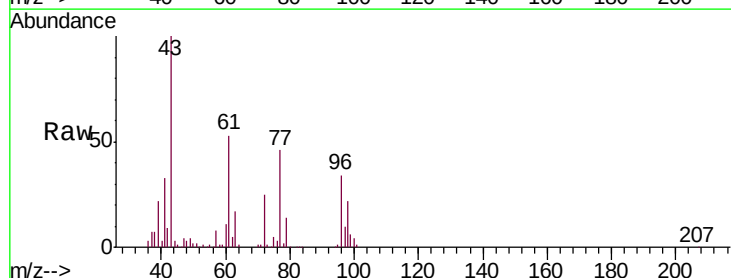
Acq: 16 Sep 2019 9:19

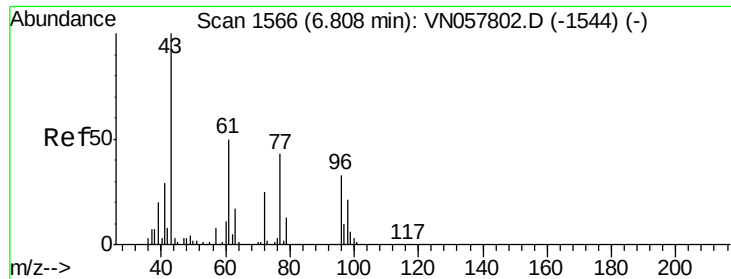
Tgt Ion: 77 Resp: 412475

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 53.764 ug/l

RT: 6.81 min Scan# 1565

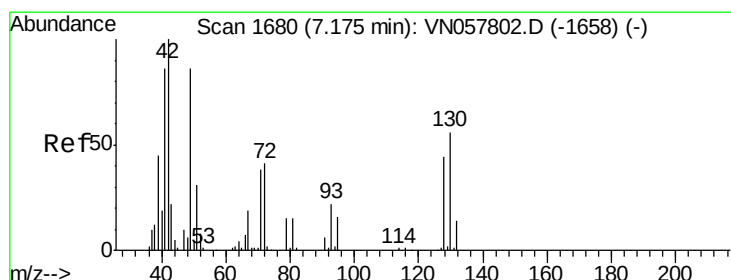
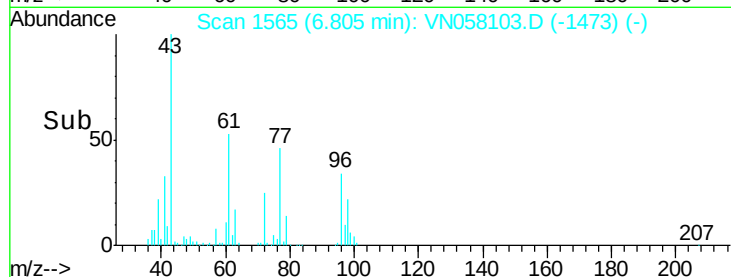
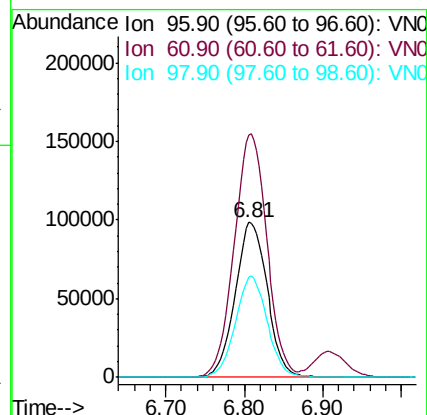
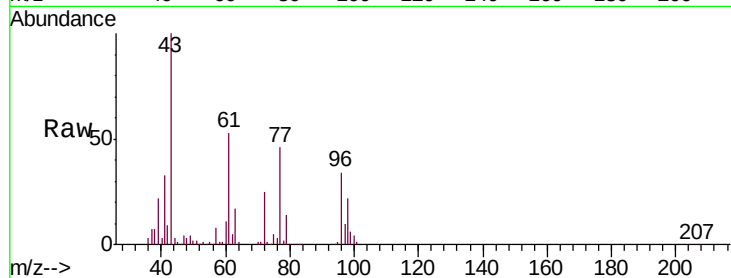
Delta R.T. -0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	0.0	314.0
98	64.9	0.0	128.6



#28

Bromochloromethane

Concen: 52.190 ug/l

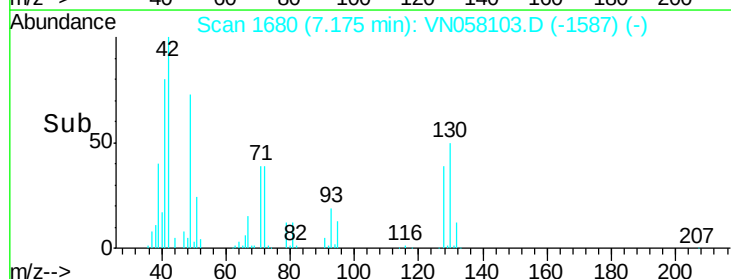
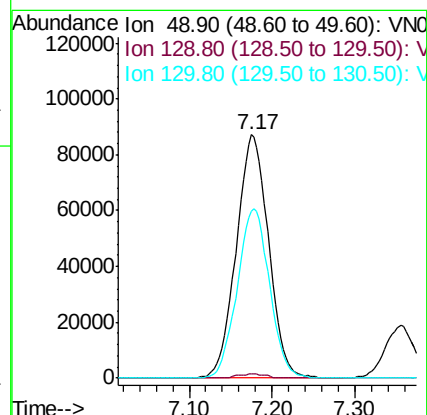
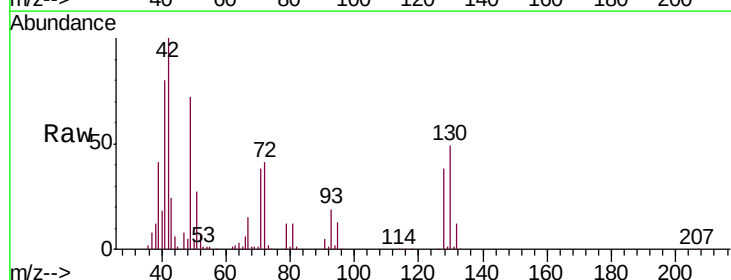
RT: 7.17 min Scan# 1680

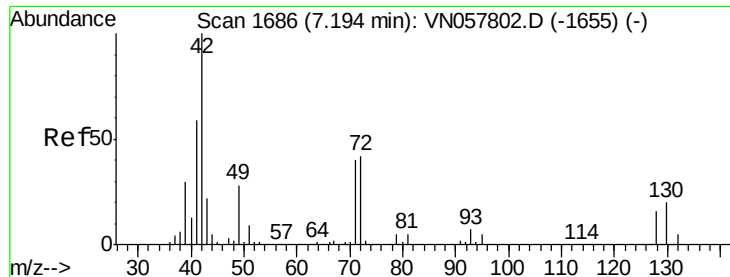
Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	69.7	53.0	79.6

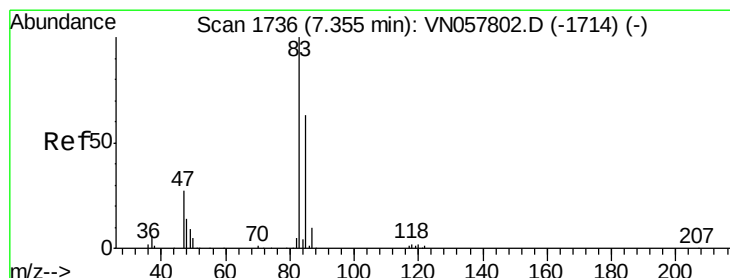
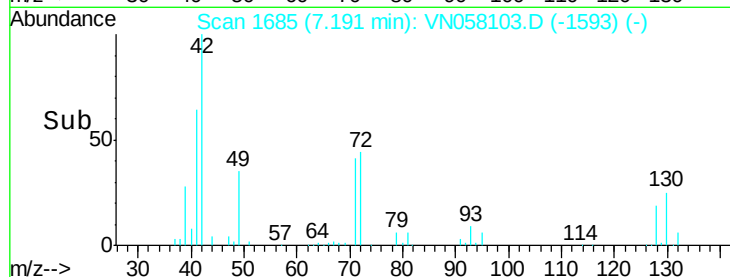
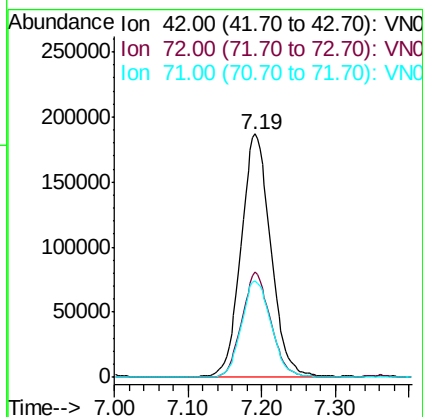
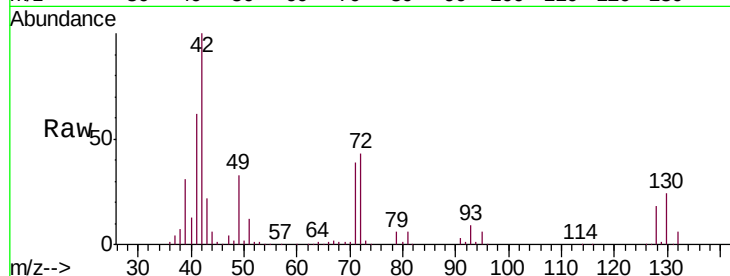




#29
Tetrahydrofuran
Concen: 263.310 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

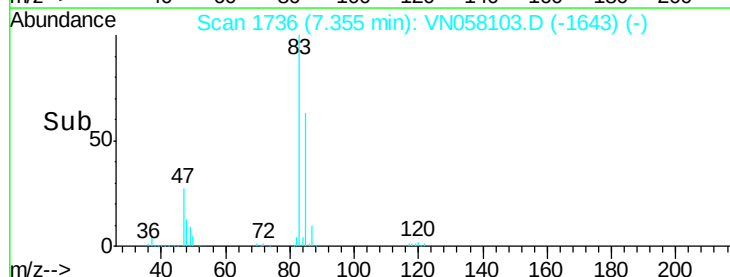
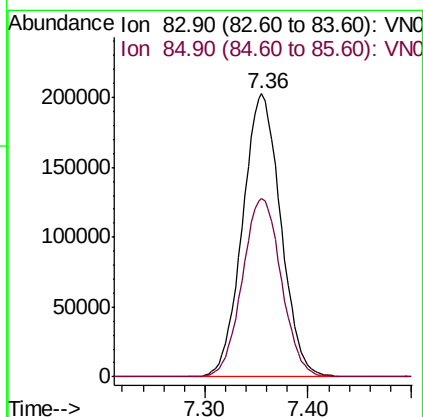
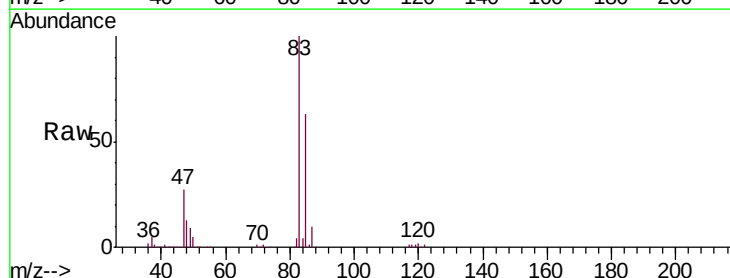
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

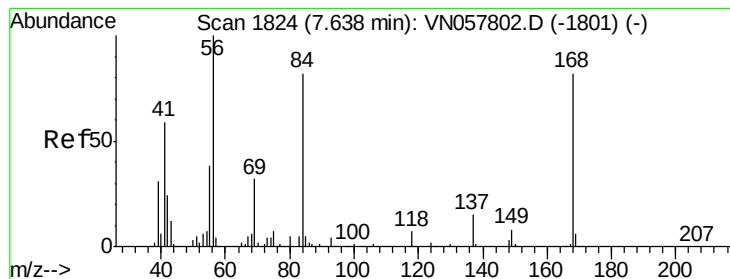
Tgt Ion: 42 Resp: 528607
Ion Ratio Lower Upper
42 100
72 41.7 33.7 50.5
71 39.4 31.9 47.9



#30
Chloroform
Concen: 55.142 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion: 83 Resp: 522038
Ion Ratio Lower Upper
83 100
85 62.9 50.6 75.8





#31

Cyclohexane

Concen: 54.797 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

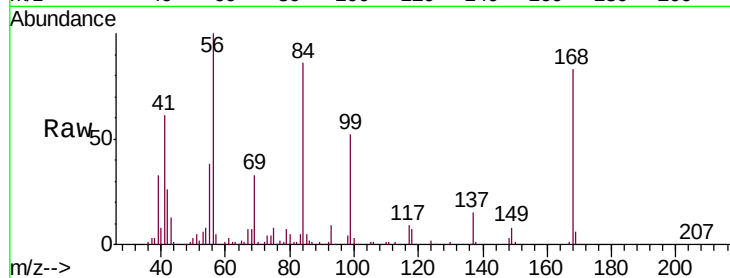
Tgt Ion: 56 Resp: 336781

Ion Ratio Lower Upper

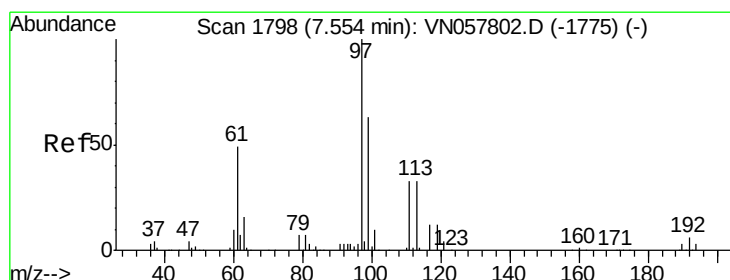
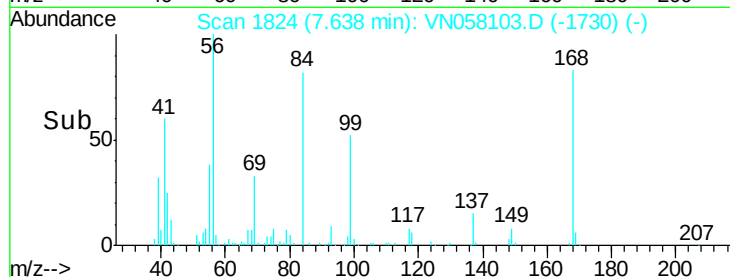
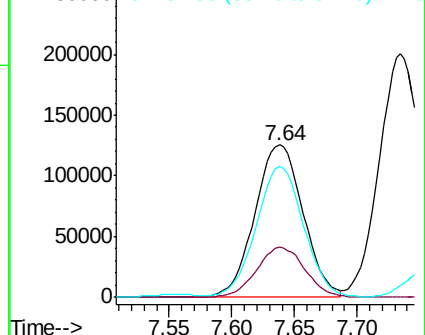
56 100

69 33.0 25.9 38.9

84 84.1 65.6 98.4



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



#32

1,1,1-Trichloroethane

Concen: 55.633 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

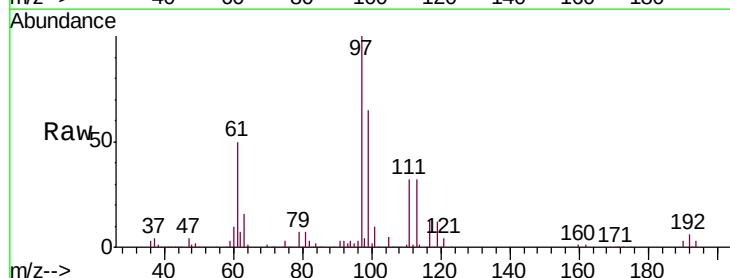
Tgt Ion: 97 Resp: 417715

Ion Ratio Lower Upper

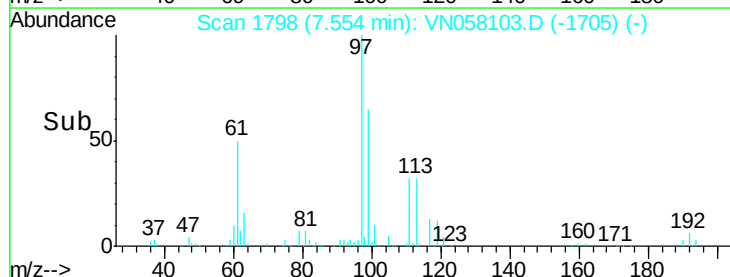
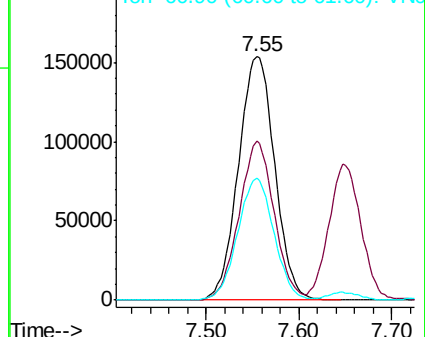
97 100

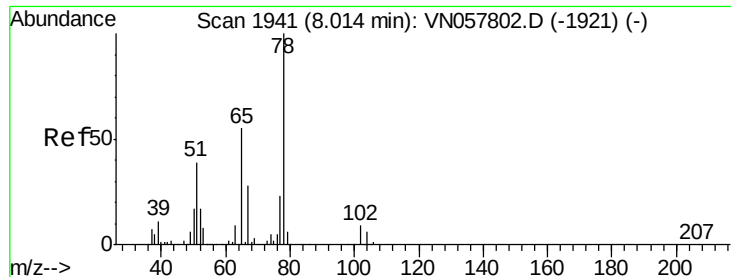
99 63.1 51.0 76.4

61 49.9 39.0 58.6



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

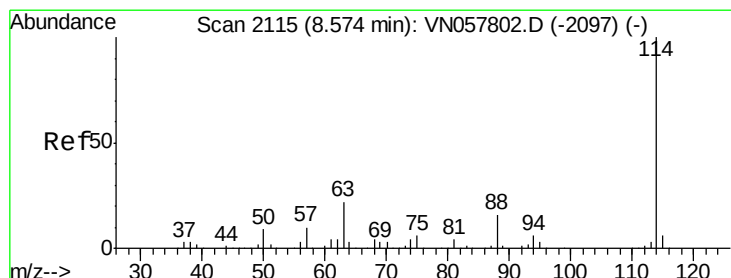
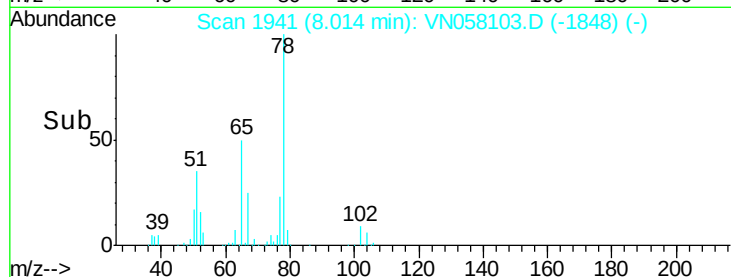
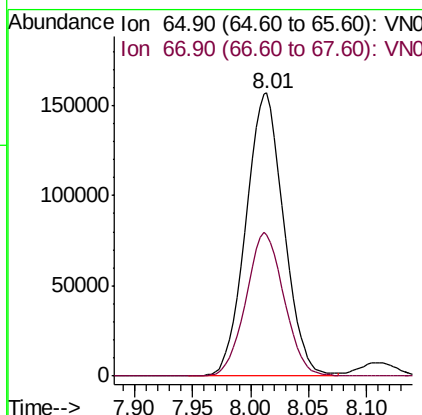
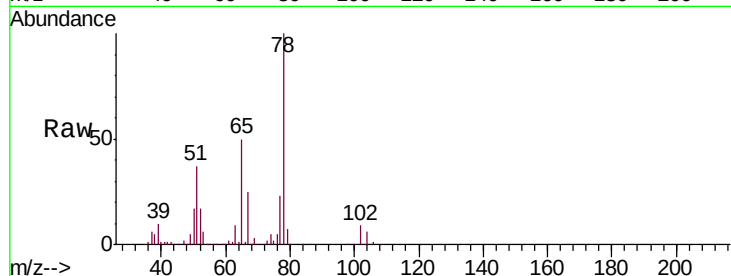




#33
 1,2-Dichloroethane-d4
 Concen: 52.037 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

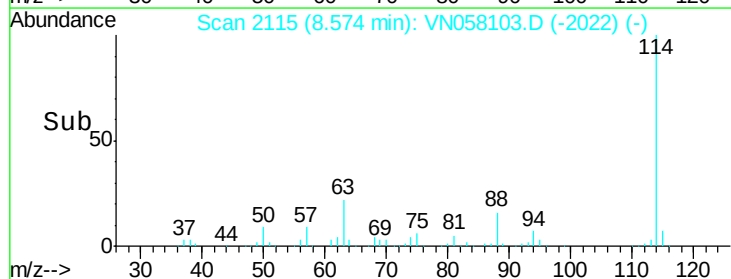
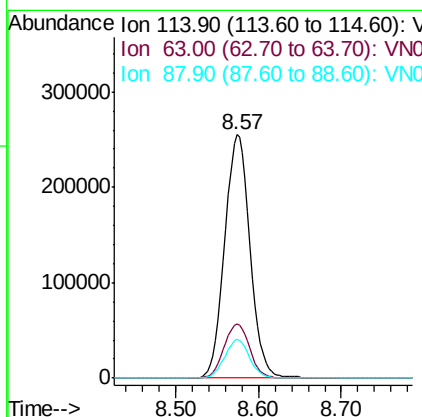
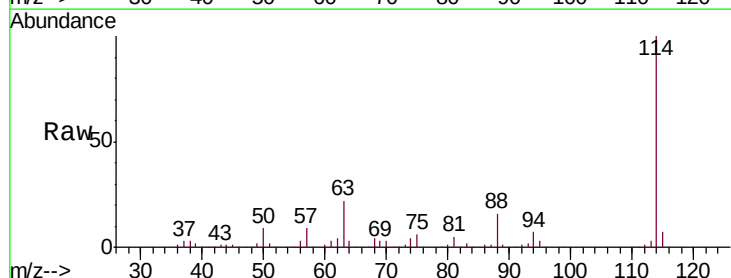
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

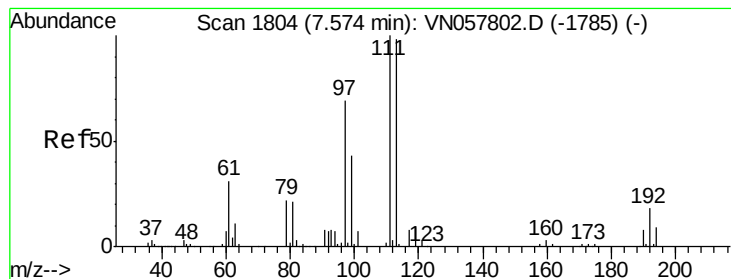
Tgt Ion: 65 Resp: 357307
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion: 114 Resp: 541958
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.0
 88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.758 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

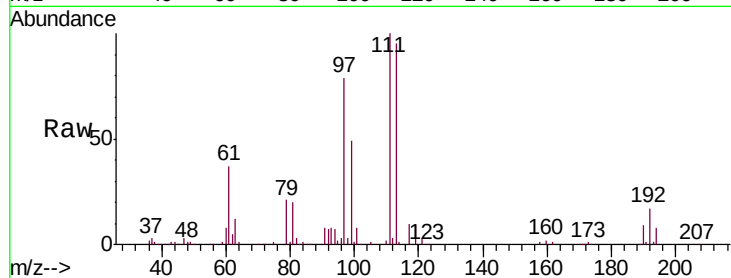
Tgt Ion: 113 Resp: 258894

Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

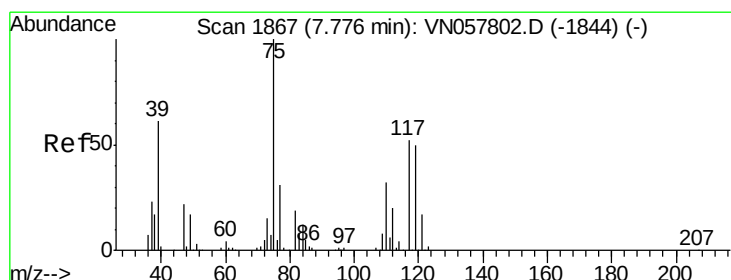
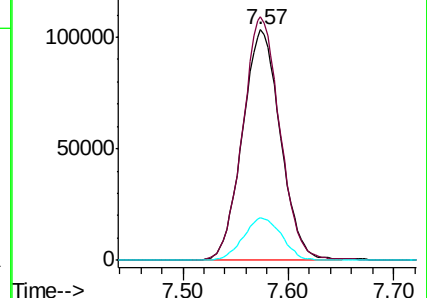
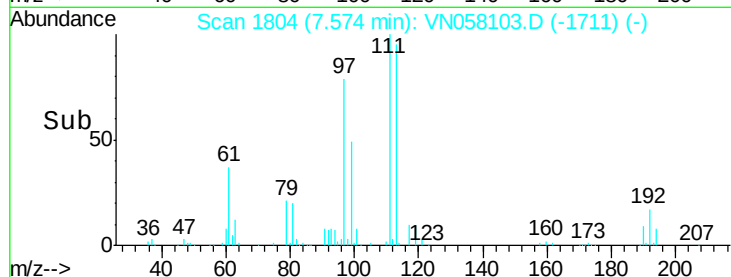
192 18.7 14.6 22.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.698 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

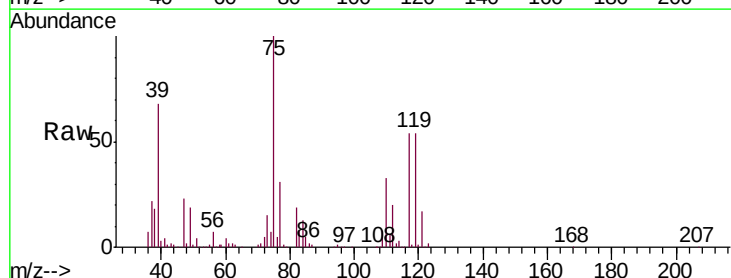
Tgt Ion: 75 Resp: 324939

Ion Ratio Lower Upper

75 100

110 32.9 16.3 48.9

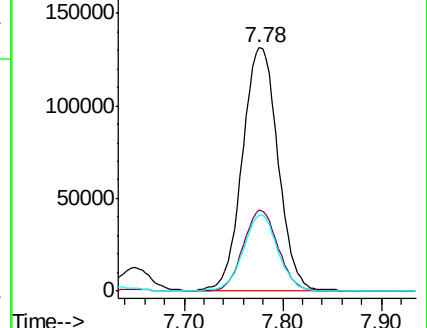
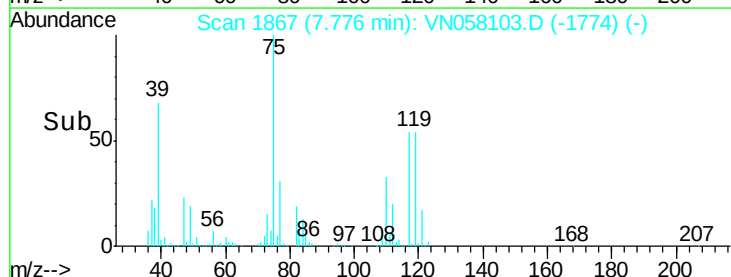
77 30.9 25.0 37.4

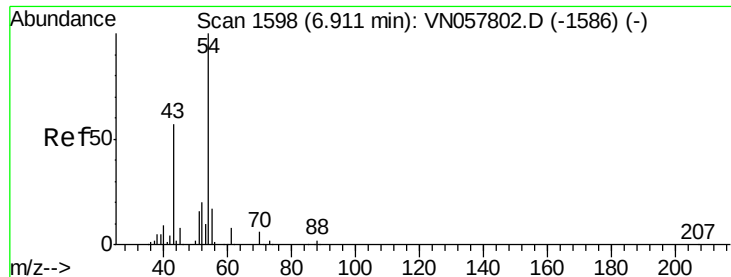


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

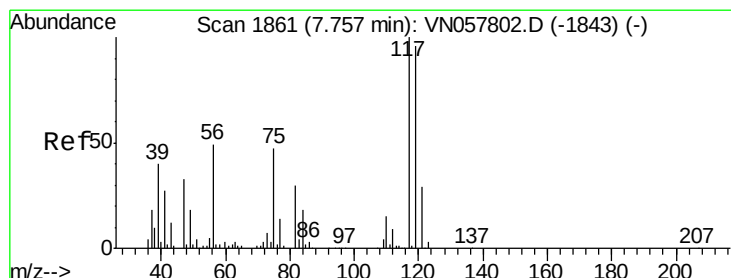
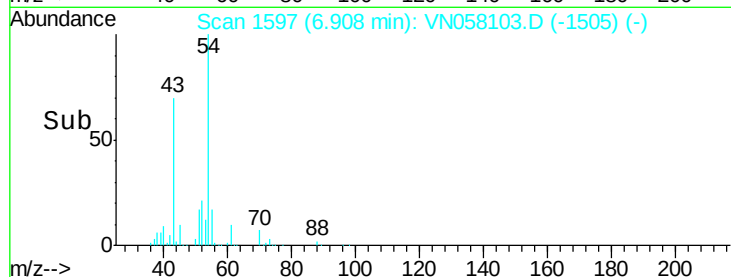
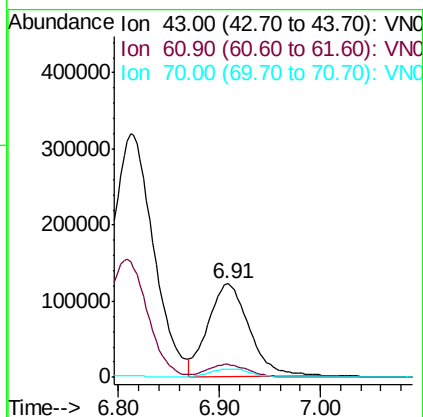
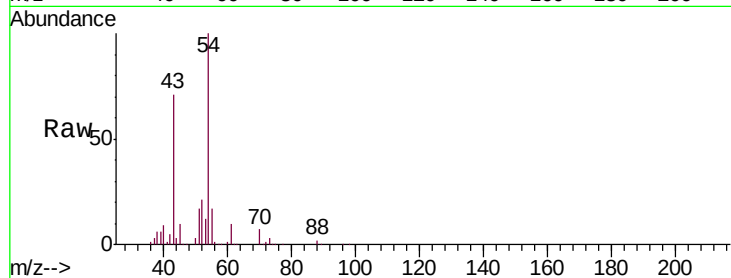




#37
 Ethyl Acetate
 Concen: 53.538 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

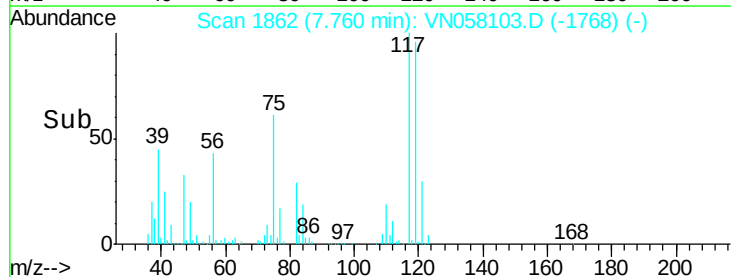
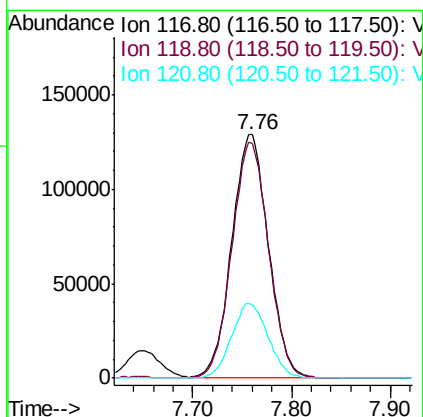
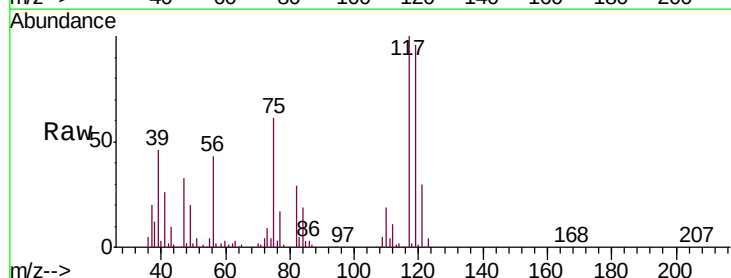
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

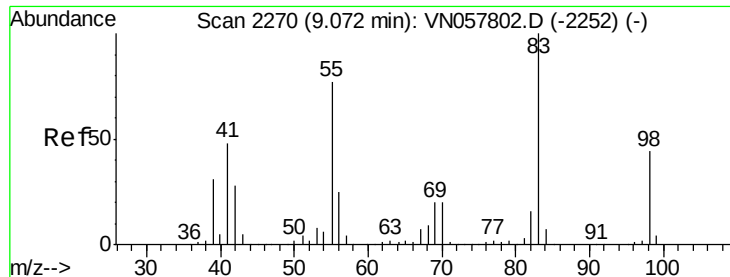
Tgt Ion: 43 Resp: 347671
 Ion Ratio Lower Upper
 43 100
 61 12.9 10.5 15.7
 70 9.4 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 57.574 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion: 117 Resp: 330384
 Ion Ratio Lower Upper
 117 100
 119 96.3 76.9 115.3
 121 30.2 23.4 35.2

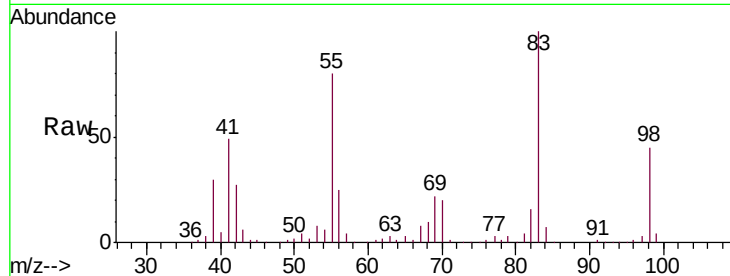




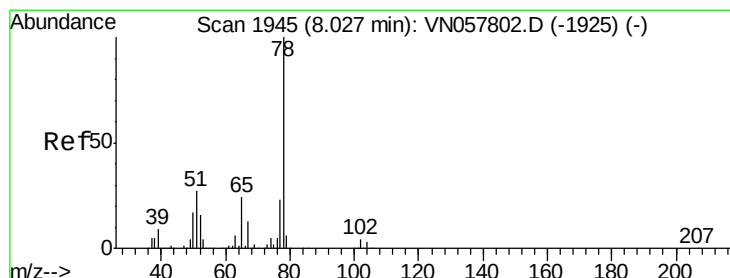
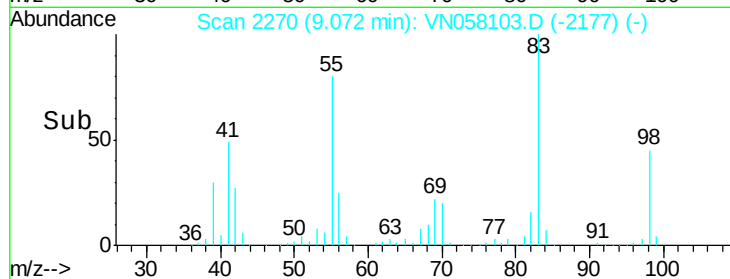
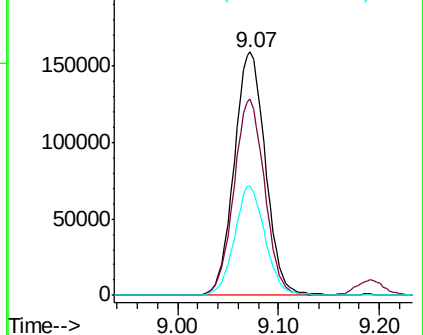
#39
Methylcyclohexane
Concen: 51.804 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 342284
Ion Ratio Lower Upper
83 100
55 80.4 61.6 92.4
98 45.0 34.9 52.3

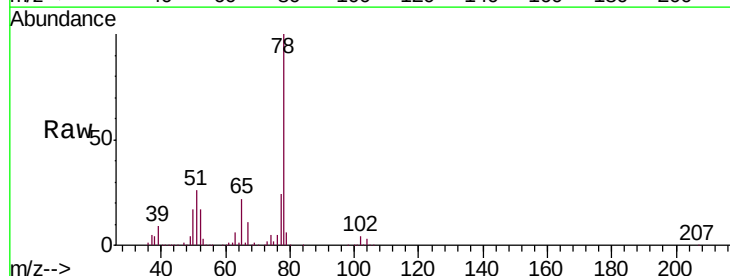


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

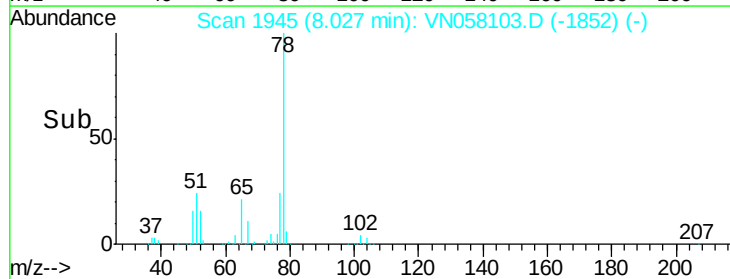
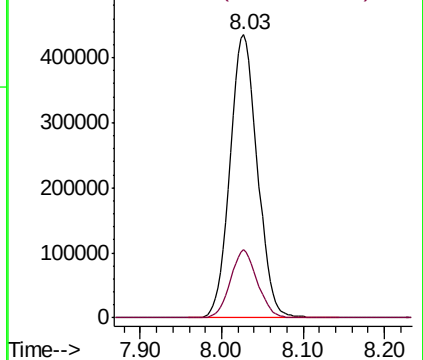


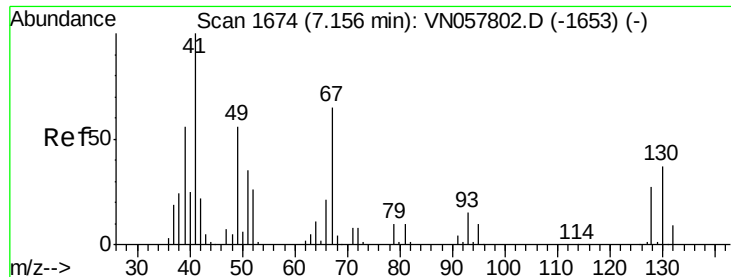
#40
Benzene
Concen: 54.150 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion: 78 Resp: 1024669
Ion Ratio Lower Upper
78 100
77 24.0 18.3 27.5



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

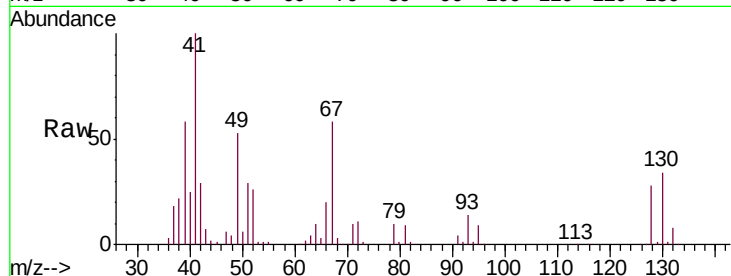




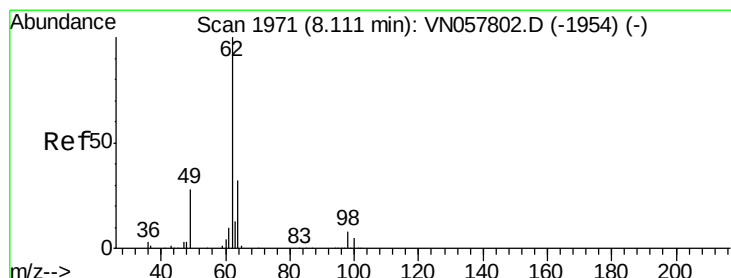
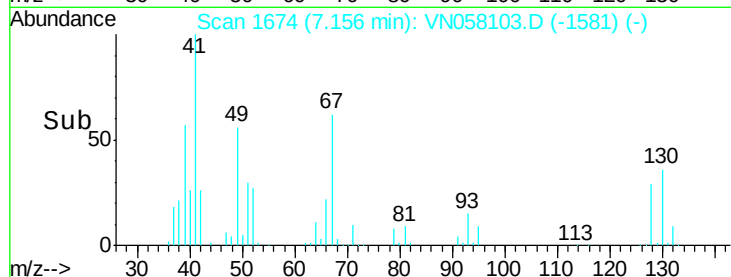
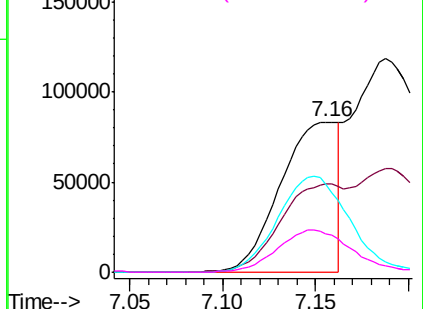
#41
Methacrylonitrile
Concen: 60.624 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 178706
Ion Ratio Lower Upper
41 100
39 63.9 51.0 76.6
67 80.7 70.7 106.1
52 36.4 30.8 46.2

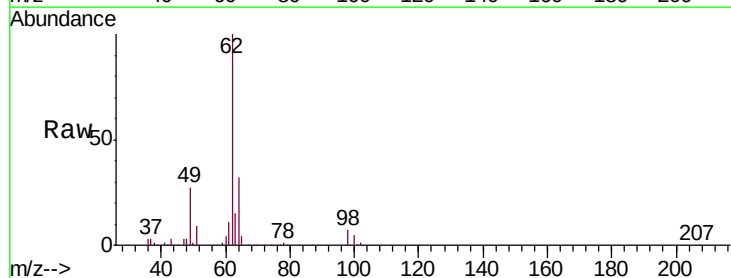


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

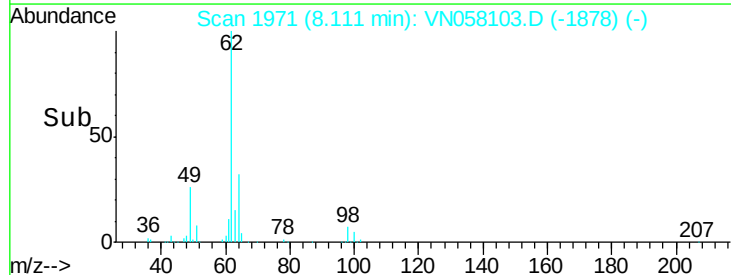
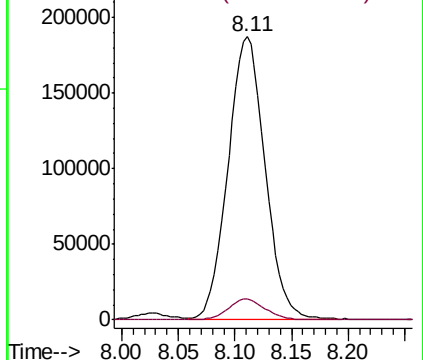


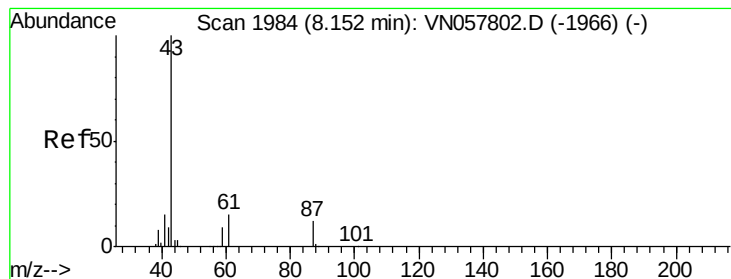
#42
1,2-Dichloroethane
Concen: 56.155 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion: 62 Resp: 424974
Ion Ratio Lower Upper
62 100
98 7.5 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 57.479 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

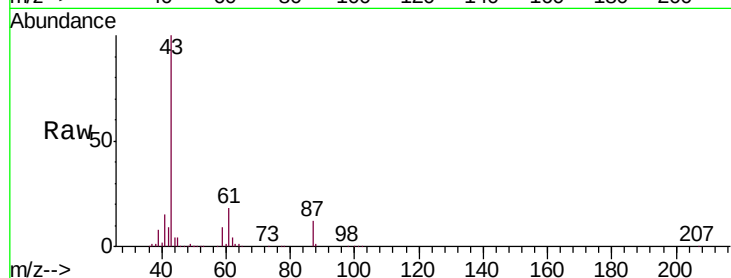
Tgt Ion: 43 Resp: 627706

Ion Ratio Lower Upper

43 100

61 24.7 20.1 30.1

87 11.8 9.5 14.3

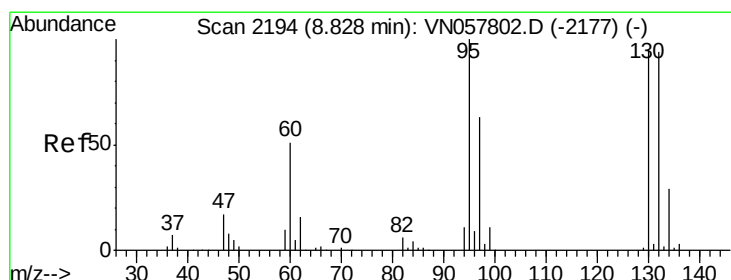
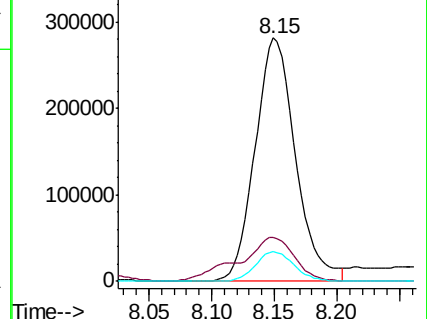
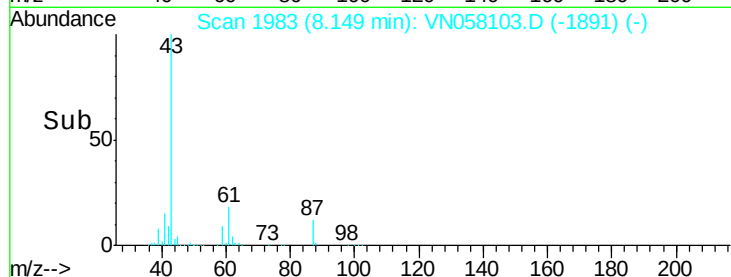


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 53.938 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058103.D

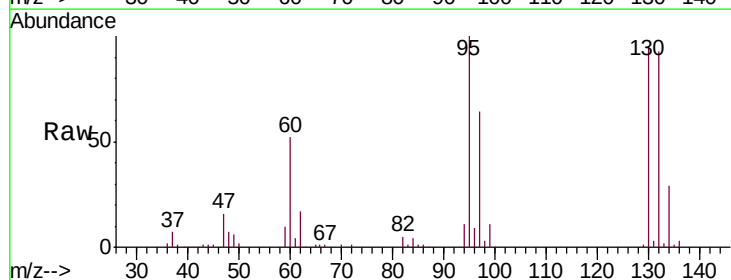
Acq: 16 Sep 2019 9:19

Tgt Ion: 130 Resp: 250337

Ion Ratio Lower Upper

130 100

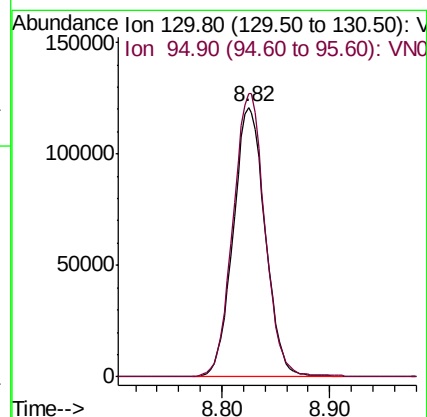
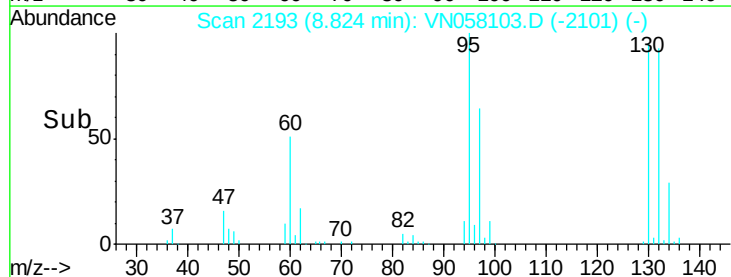
95 104.8 0.0 211.4

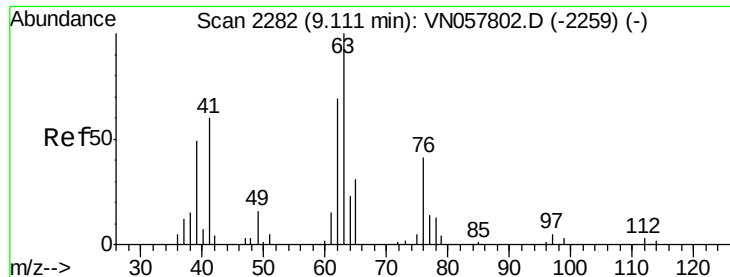


Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

Time-->

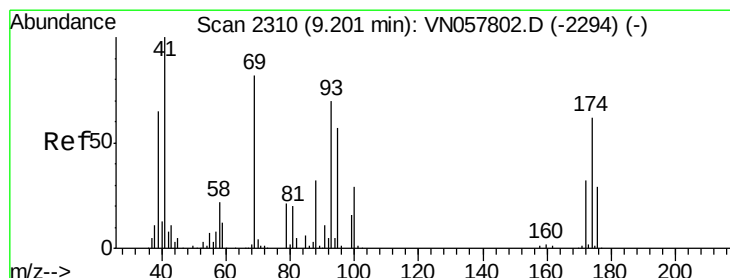
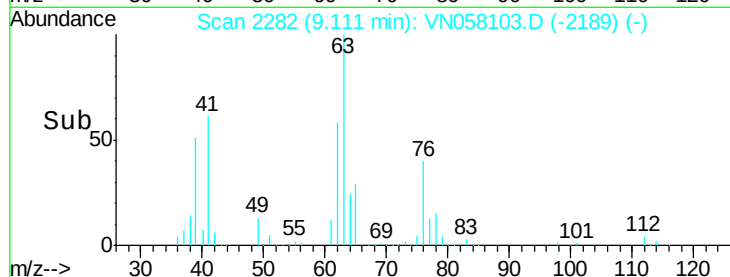
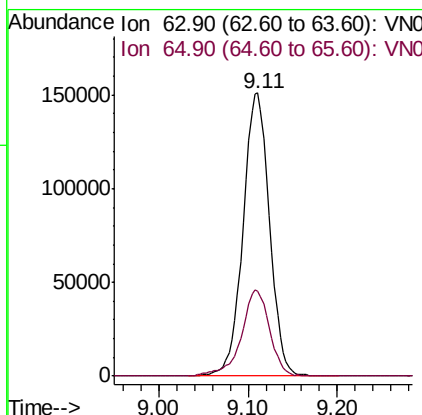
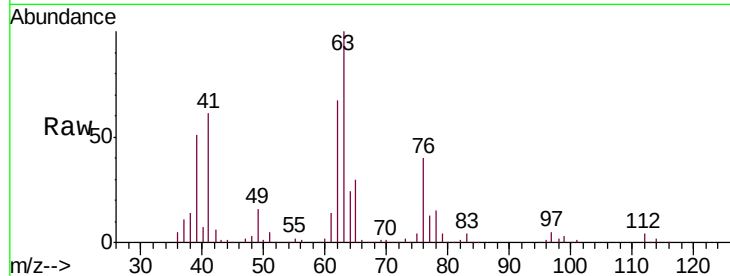




#45
 1,2-Dichloropropane
 Concen: 56.550 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

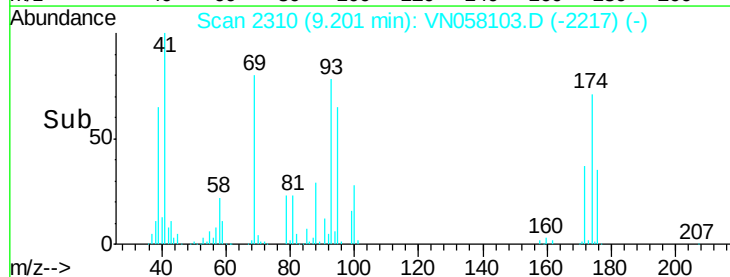
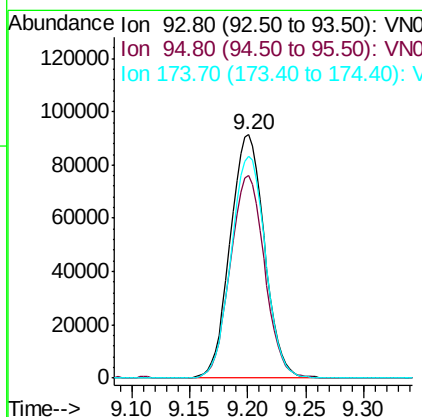
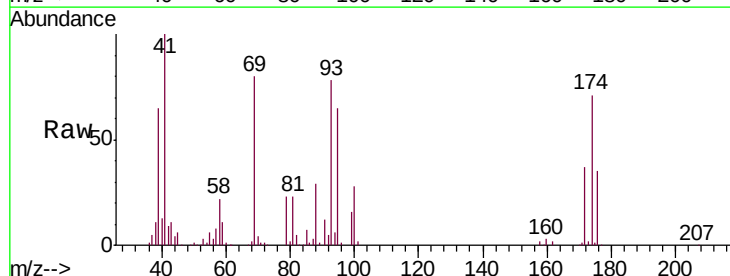
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

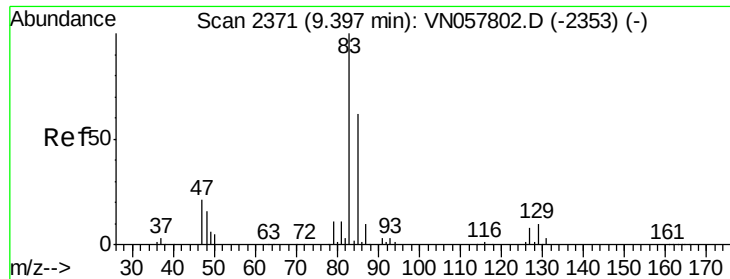
Tgt Ion: 63 Resp: 311377
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.8 37.2



#46
 Dibromomethane
 Concen: 56.214 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion: 93 Resp: 187041
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.9 98.9
 174 91.3 71.8 107.6





#47

Bromodichloromethane

Concen: 60.622 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

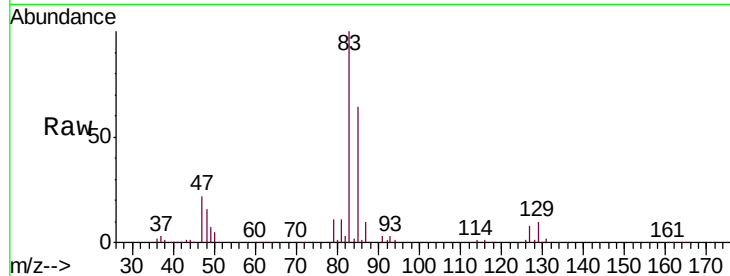
Tgt Ion: 83 Resp: 402794

Ion Ratio Lower Upper

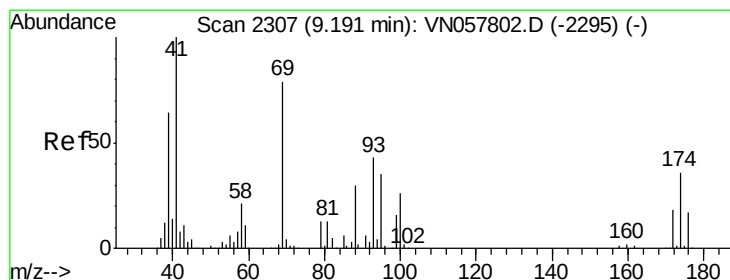
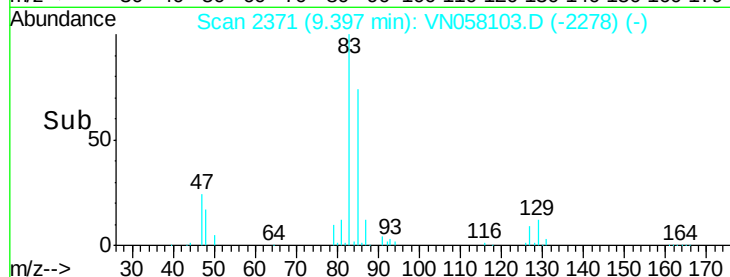
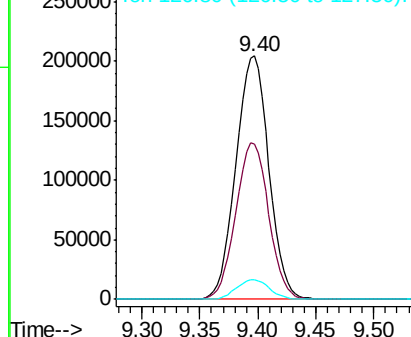
83 100

85 63.9 49.9 74.9

127 8.1 6.5 9.7



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



#48

Methyl methacrylate

Concen: 54.730 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

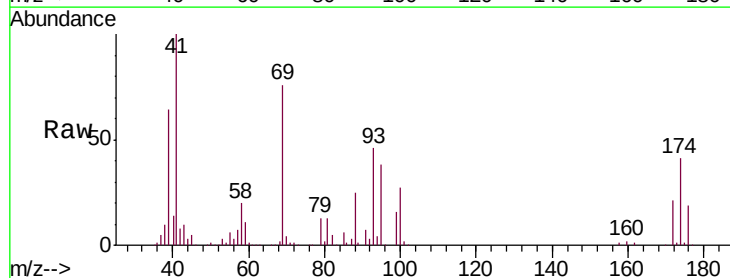
Tgt Ion: 41 Resp: 303186

Ion Ratio Lower Upper

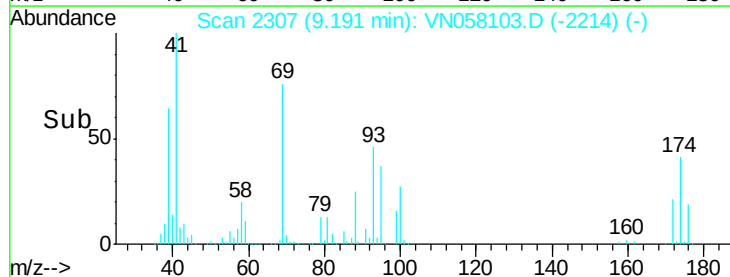
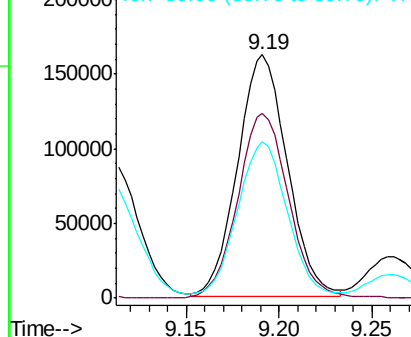
41 100

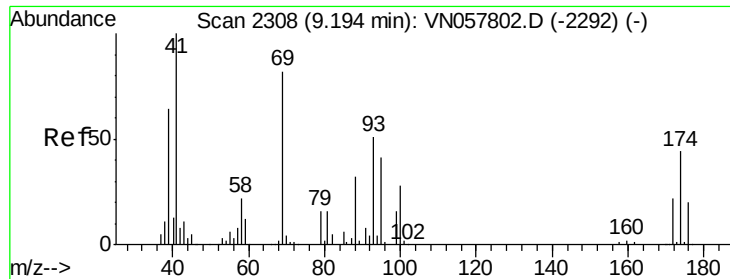
69 78.0 62.7 94.1

39 65.2 52.7 79.1



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

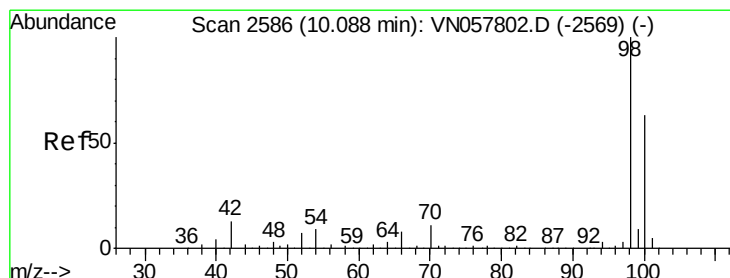
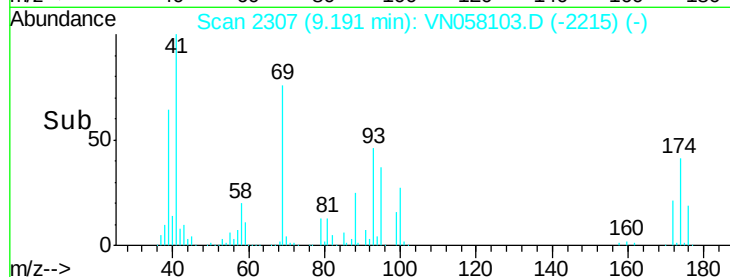
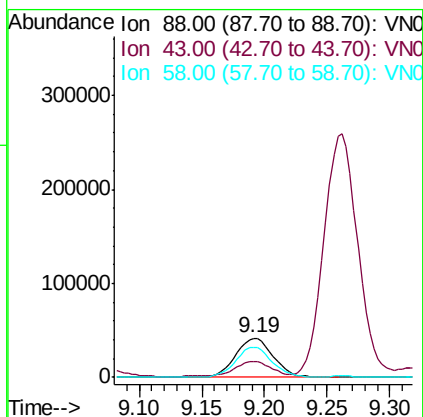
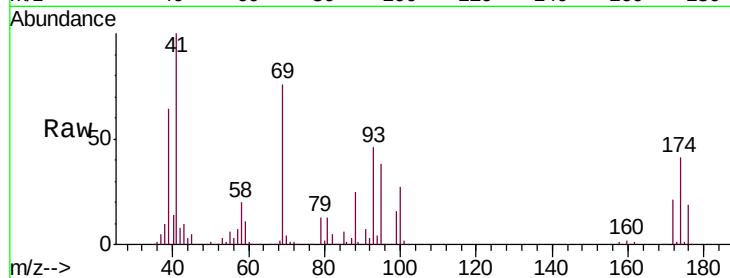




#49
 1,4-Dioxane
 Concen: 924.414 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

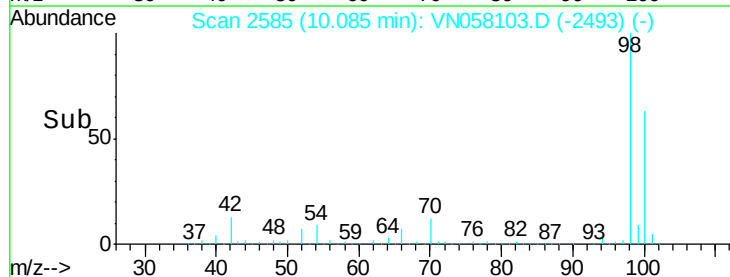
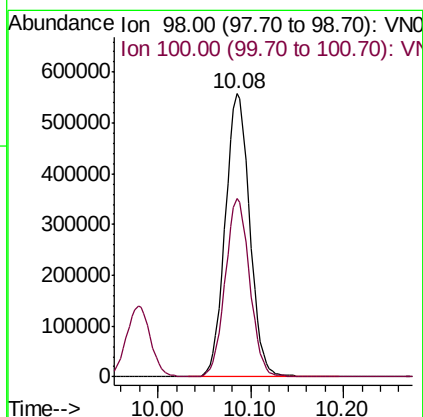
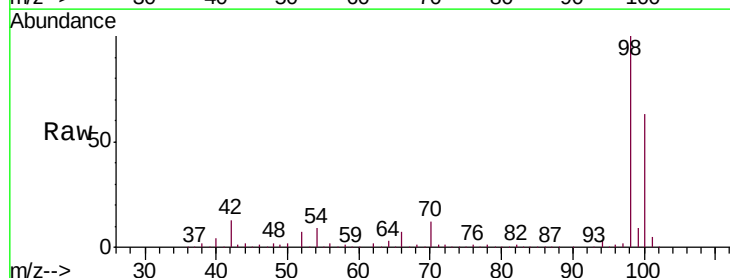
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

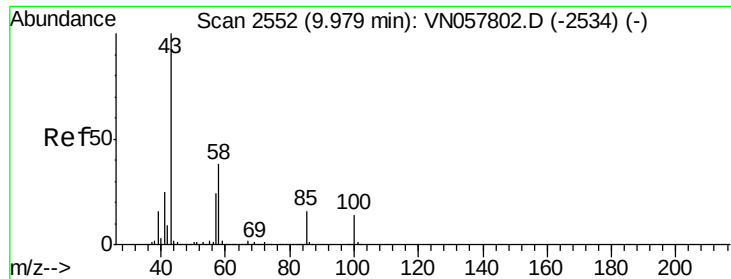
Tgt Ion: 88 Resp: 86599
 Ion Ratio Lower Upper
 88 100
 43 35.6 28.5 42.7
 58 74.5 55.8 83.6



#50
 Toluene-d8
 Concen: 52.702 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion: 98 Resp: 1023501
 Ion Ratio Lower Upper
 98 100
 100 62.6 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 288.522 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

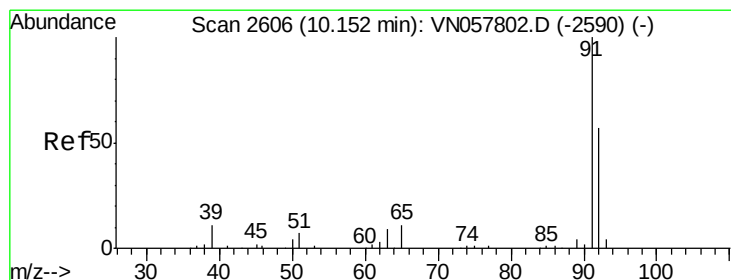
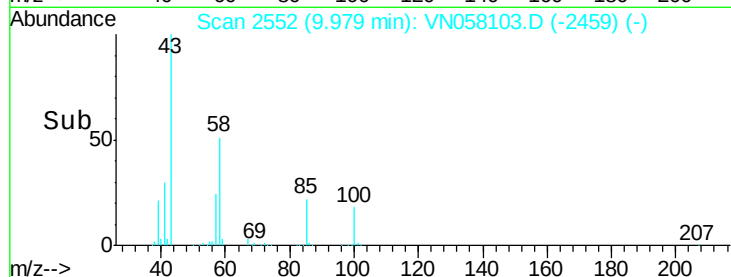
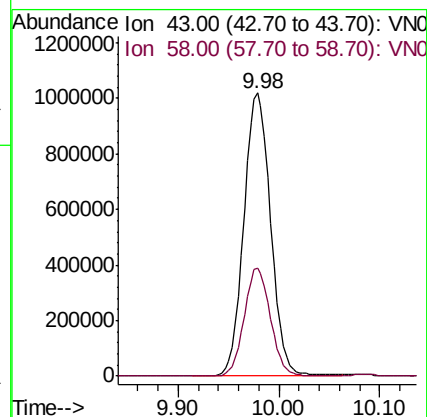
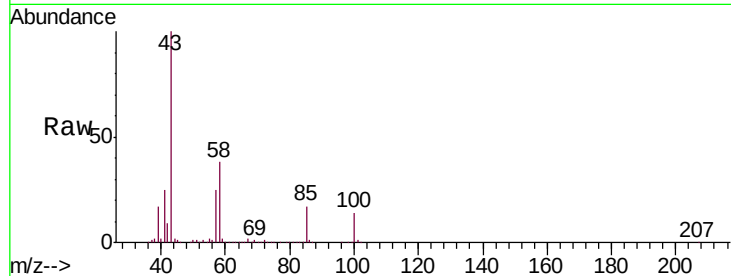
VSTDCCC050

Tgt Ion: 43 Resp: 1864560

Ion Ratio Lower Upper

43 100

58 37.4 29.8 44.6



#52

Toluene

Concen: 54.458 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058103.D

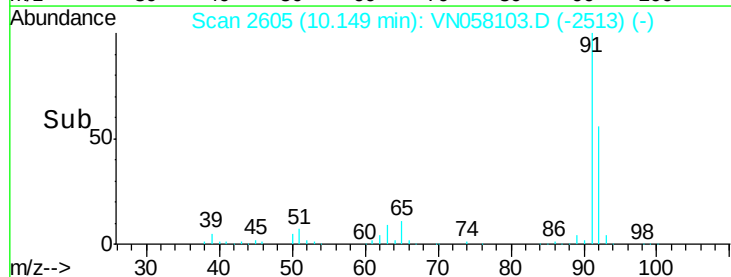
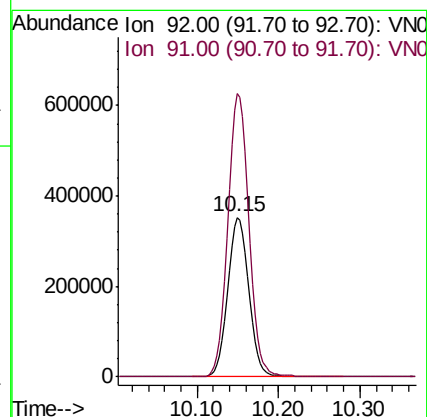
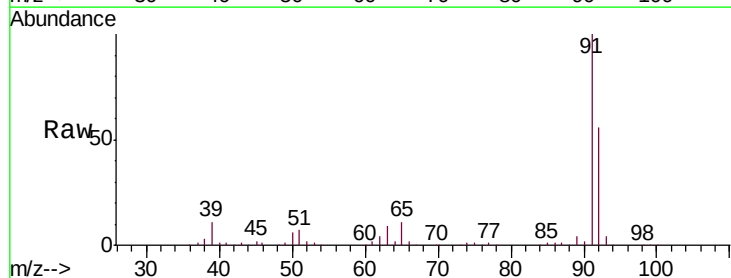
Acq: 16 Sep 2019 9:19

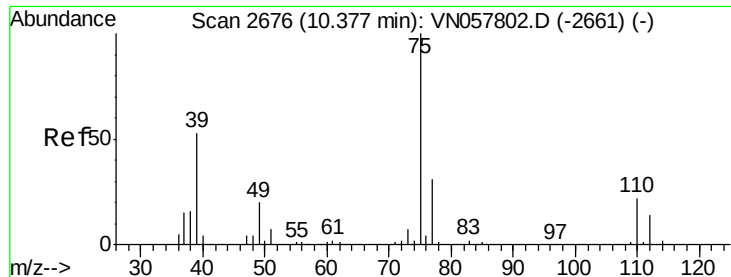
Tgt Ion: 92 Resp: 649049

Ion Ratio Lower Upper

92 100

91 177.1 141.0 211.6

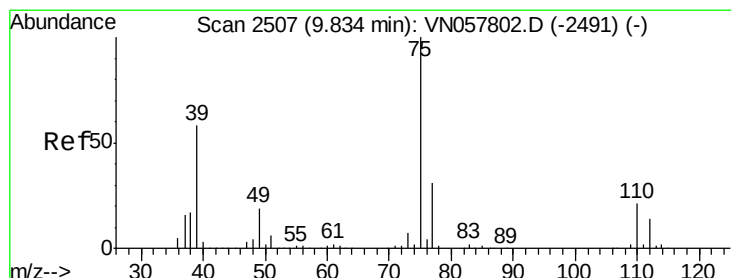
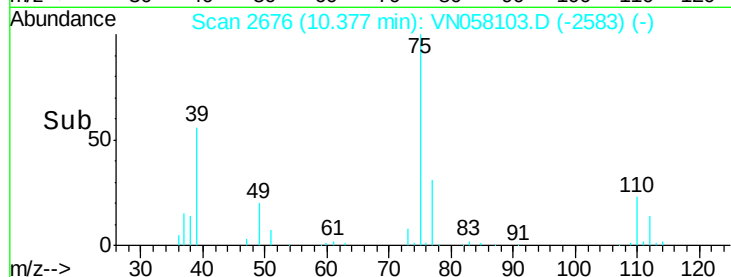
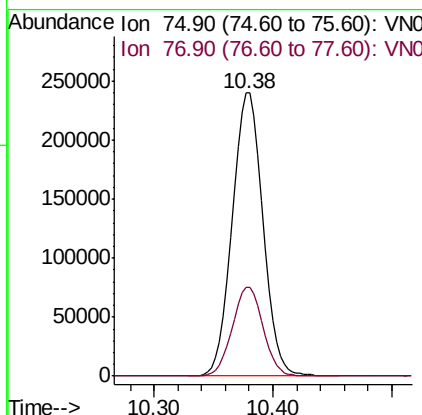
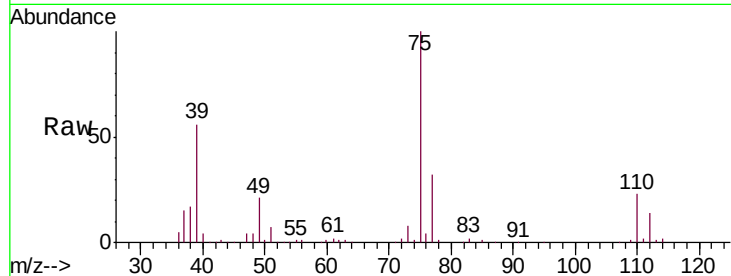




#53
 t-1,3-Dichloropropene
 Concen: 61.267 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

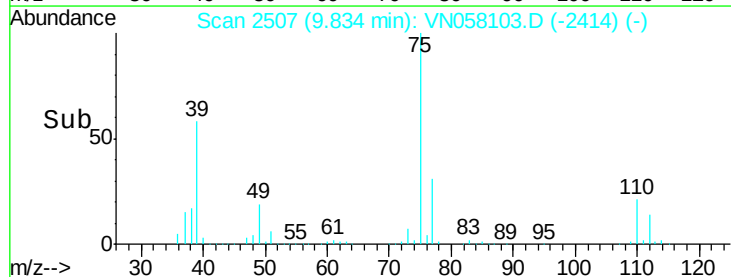
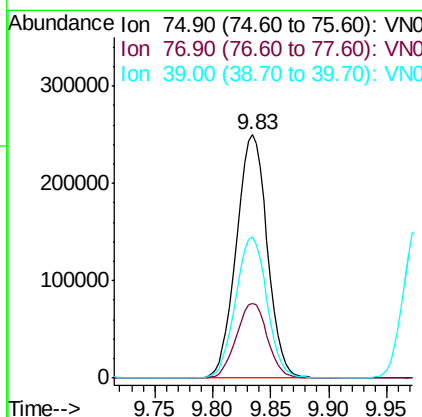
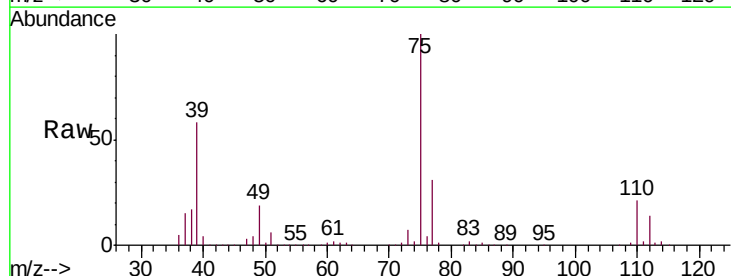
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

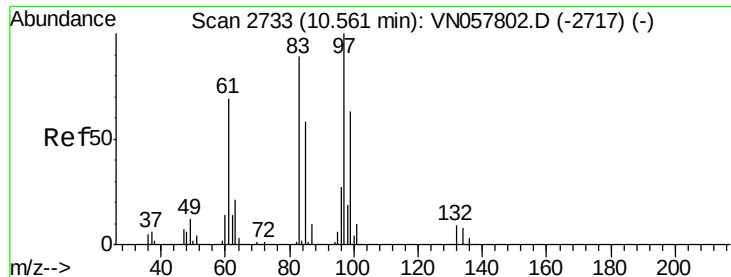
Tgt Ion: 75 Resp: 428679
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 59.896 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion: 75 Resp: 462696
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2
 39 57.7 46.2 69.4

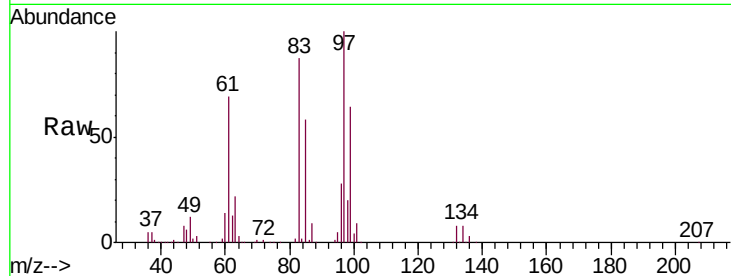




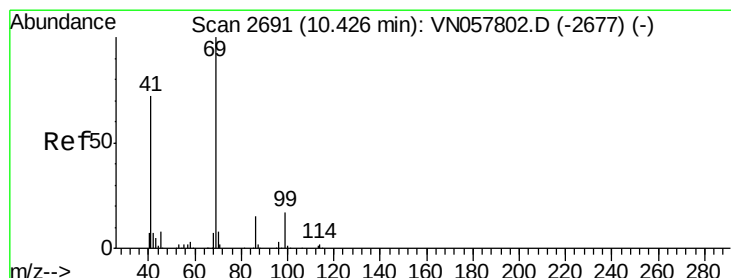
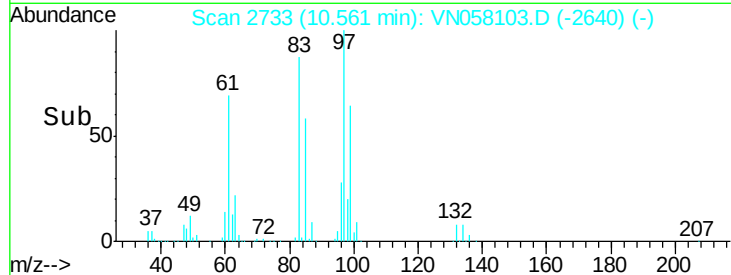
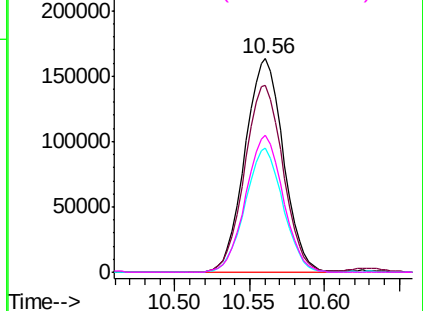
#55
 1,1,2-Trichloroethane
 Concen: 57.934 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	292476
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.8	106.2
85	57.9	46.0	69.0
99	64.0	50.6	76.0

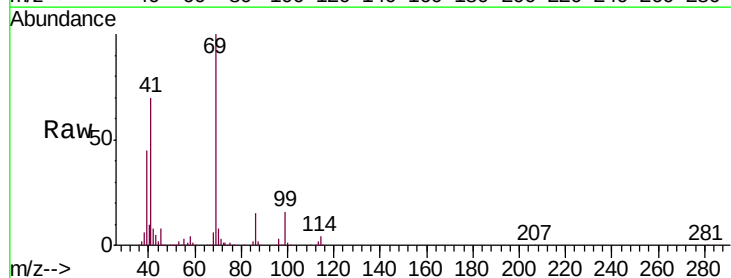


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

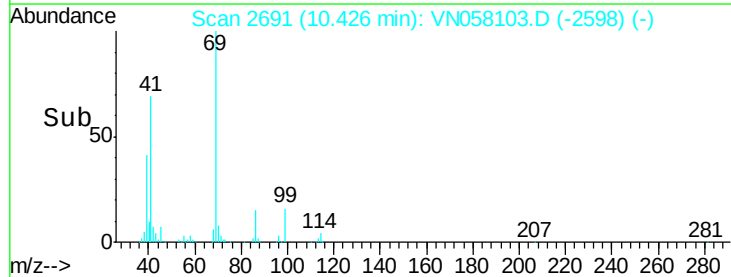
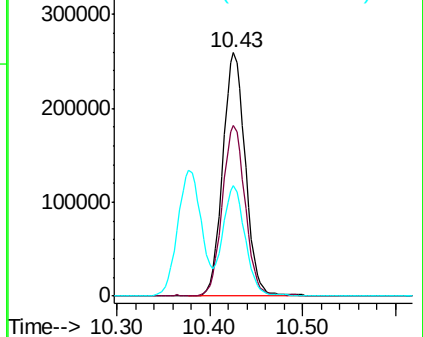


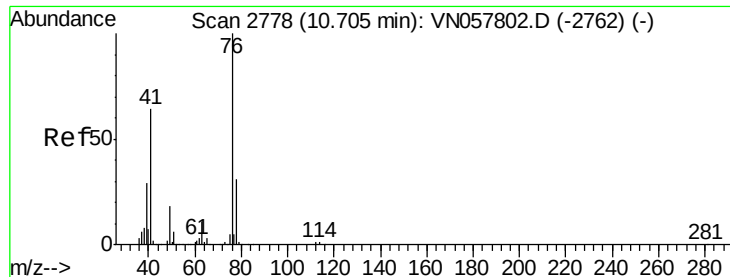
#56
 Ethyl methacrylate
 Concen: 57.530 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion:	69	Resp:	437370
Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.7	85.1
39	44.7	36.3	54.5



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: 56.748 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

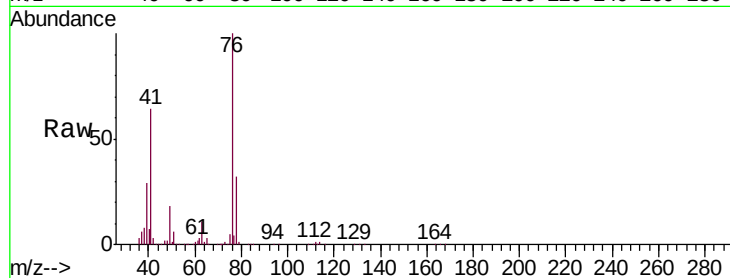
VSTDCCC050

Tgt Ion: 76 Resp: 493725

Ion Ratio Lower Upper

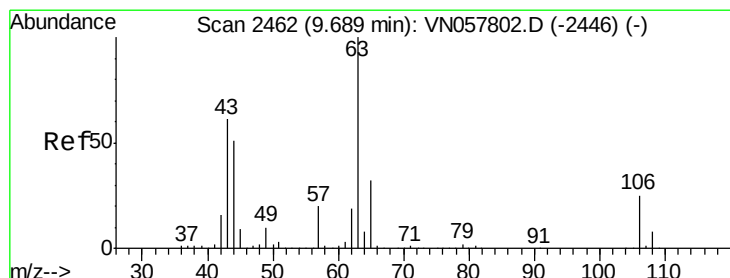
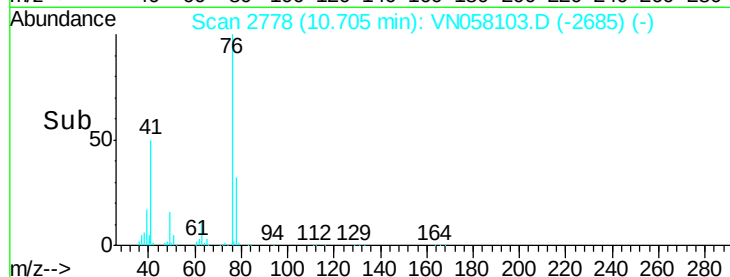
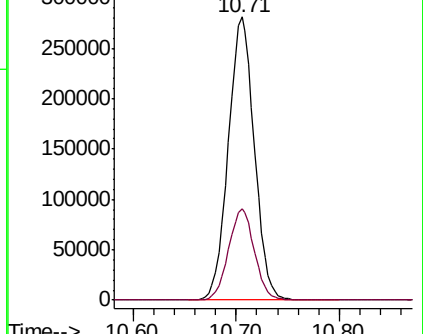
76 100

78 32.1 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 253.509 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058103.D

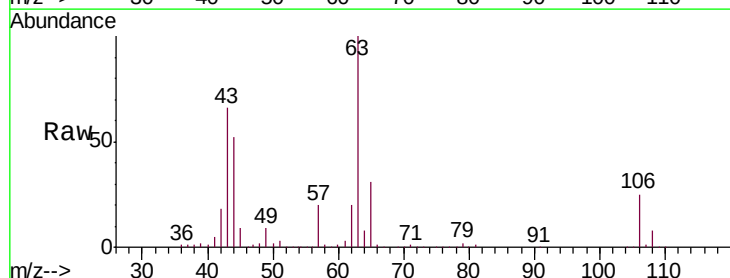
Acq: 16 Sep 2019 9:19

Tgt Ion: 63 Resp: 907736

Ion Ratio Lower Upper

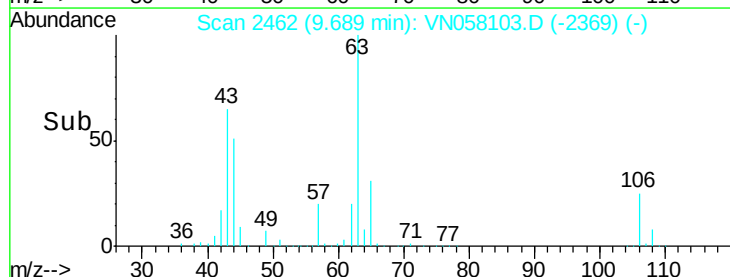
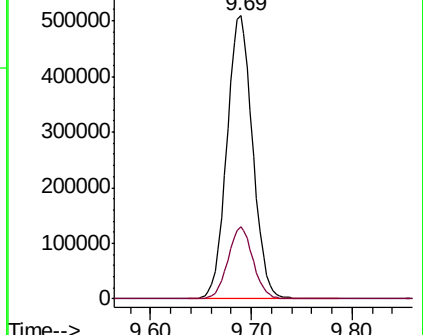
63 100

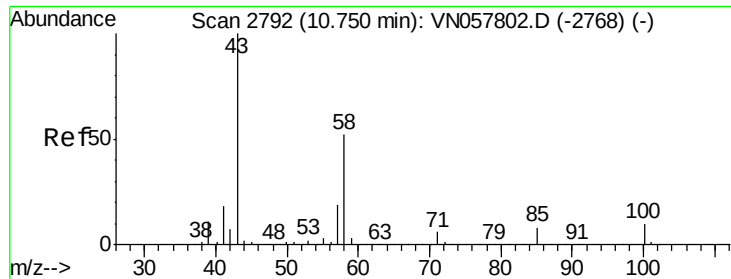
106 24.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

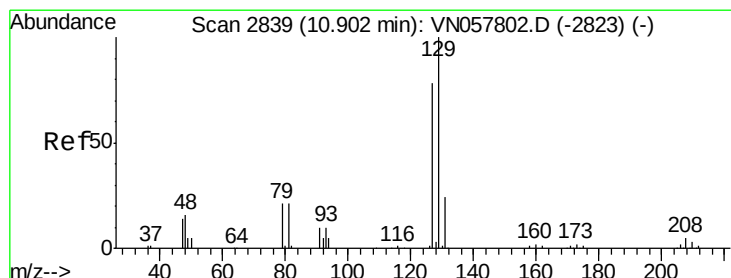
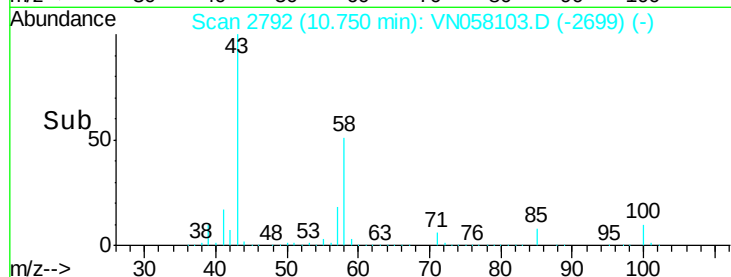
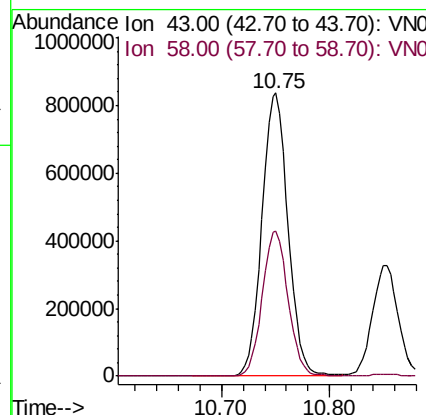
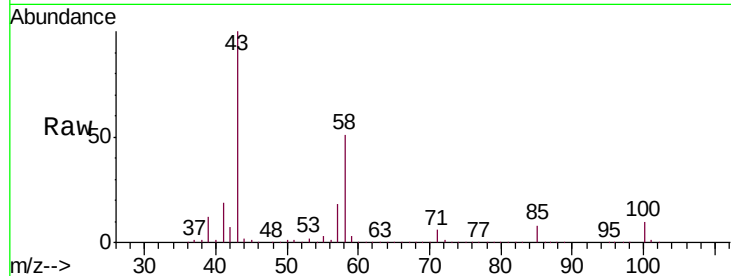




#59
2-Hexanone
Concen: 288.765 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

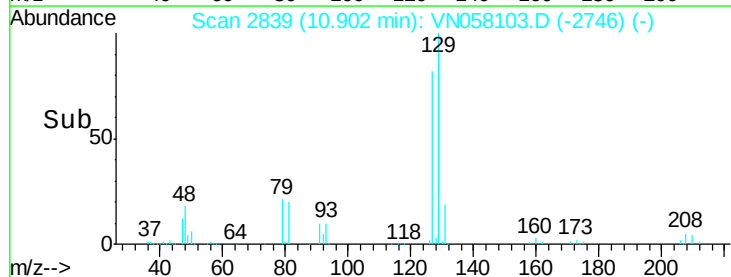
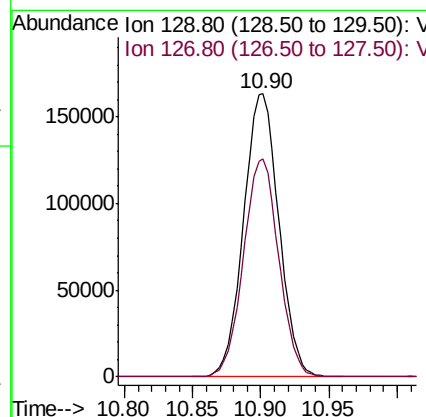
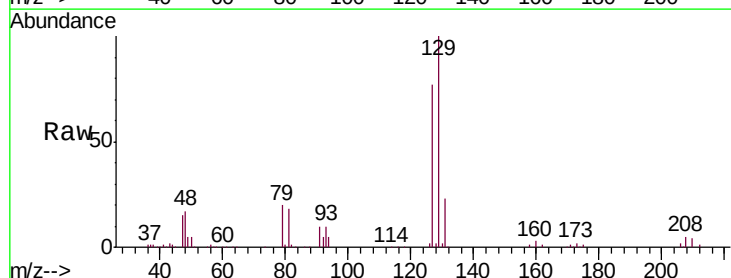
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

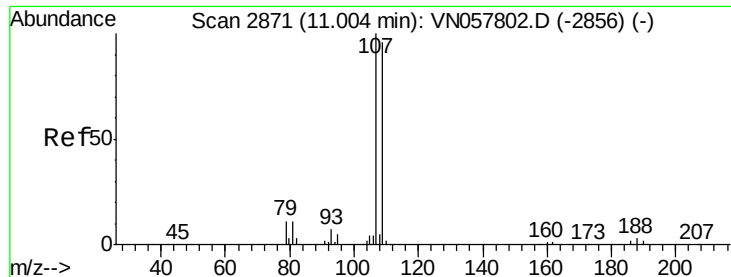
Tgt Ion: 43 Resp: 1398735
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8



#60
Dibromochloromethane
Concen: 62.538 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion: 129 Resp: 293175
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 57.266 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

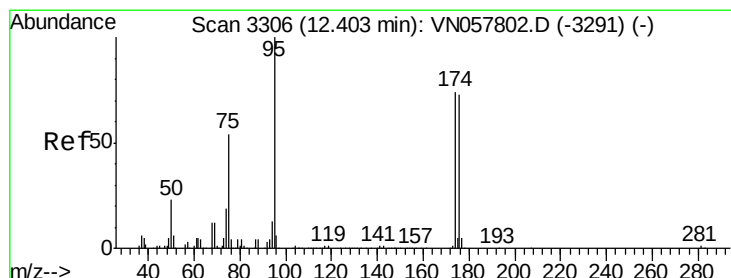
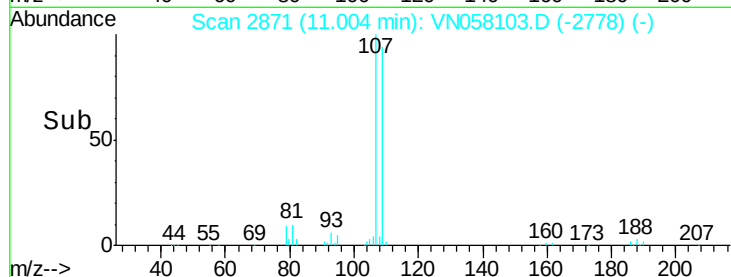
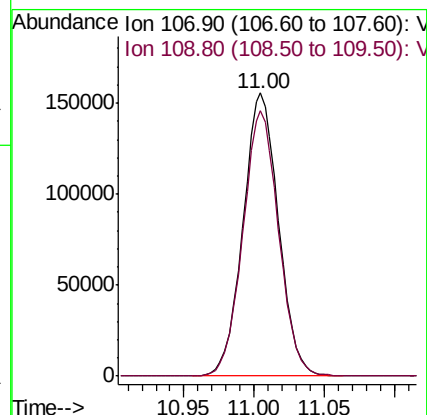
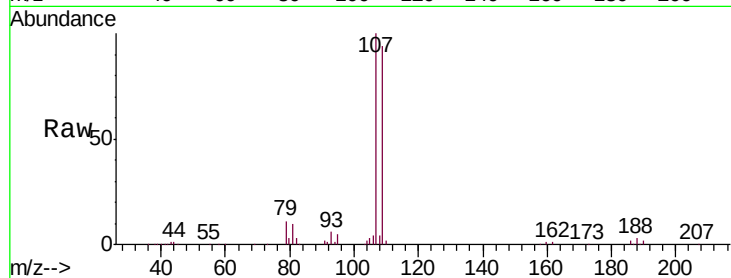
VSTDCCC050

Tgt Ion: 107 Resp: 273320

Ion Ratio Lower Upper

107 100

109 94.7 75.3 112.9



#62

4-Bromofluorobenzene

Concen: 50.244 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

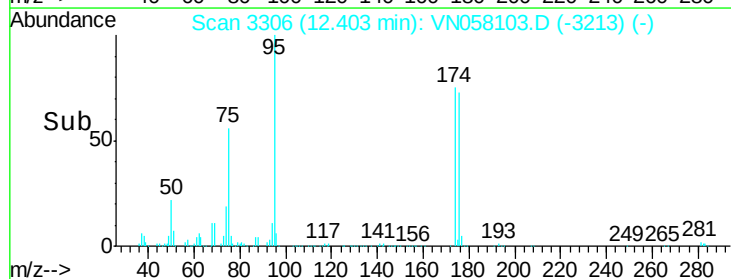
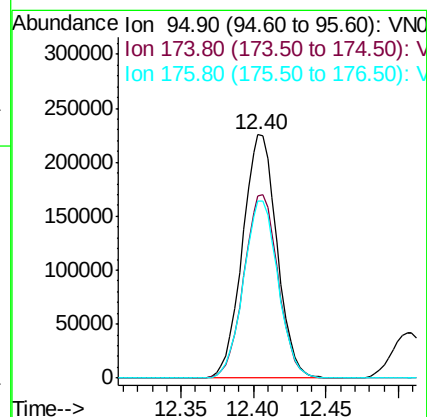
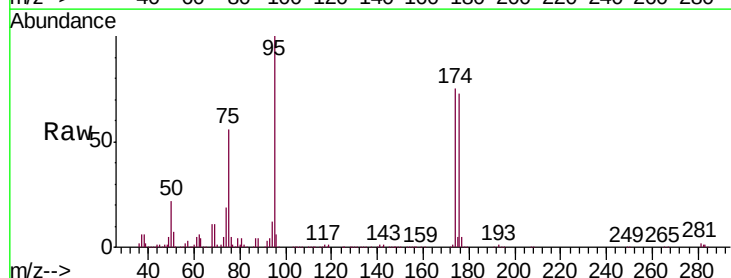
Tgt Ion: 95 Resp: 371854

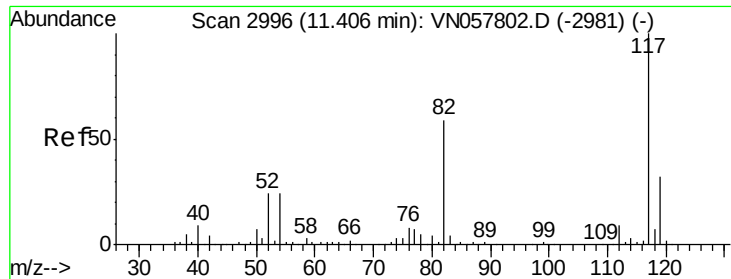
Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.2

176 73.0 0.0 146.0

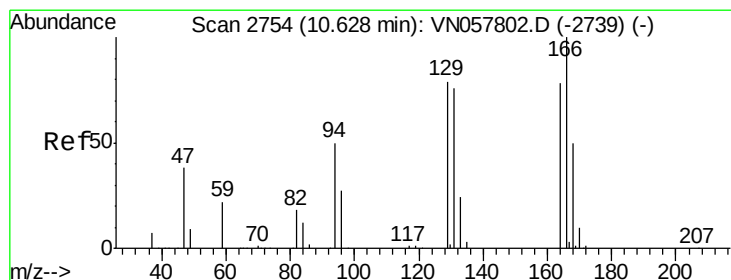
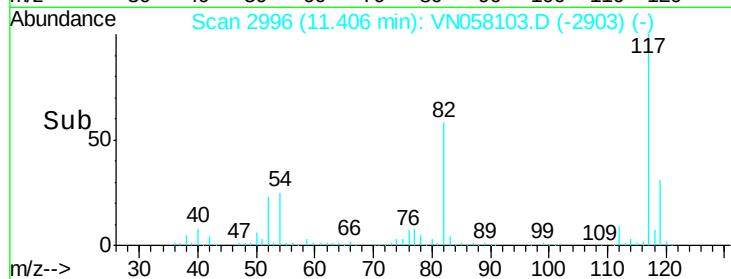
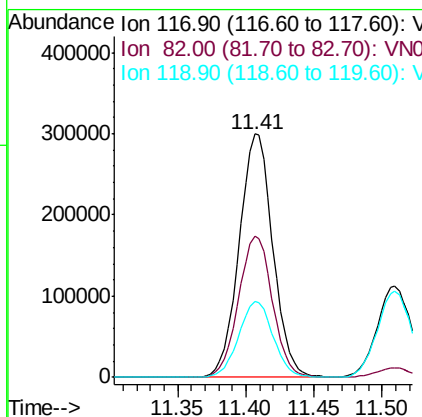
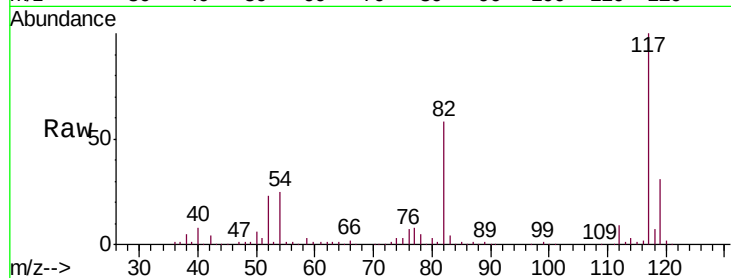




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

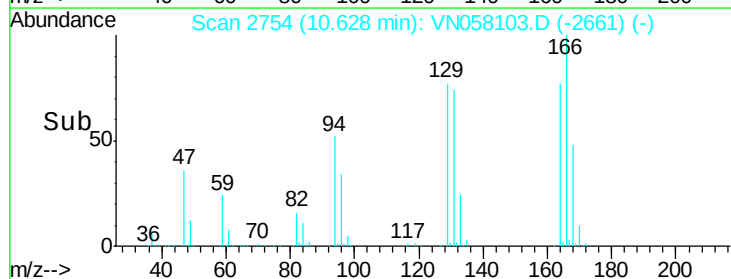
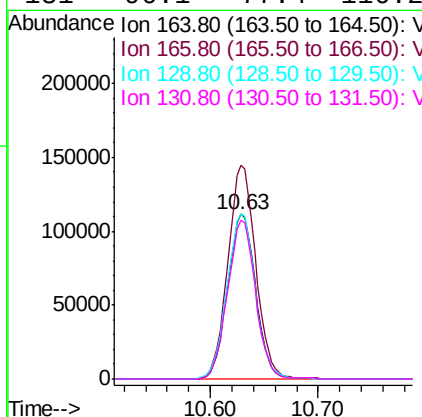
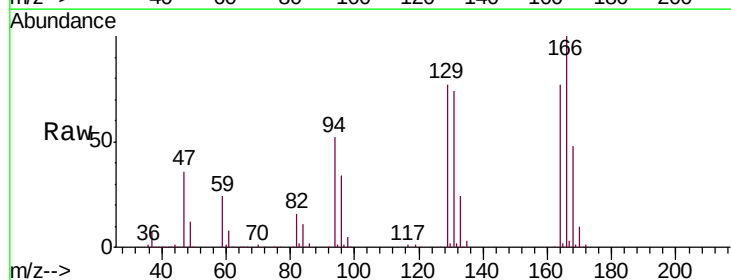
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

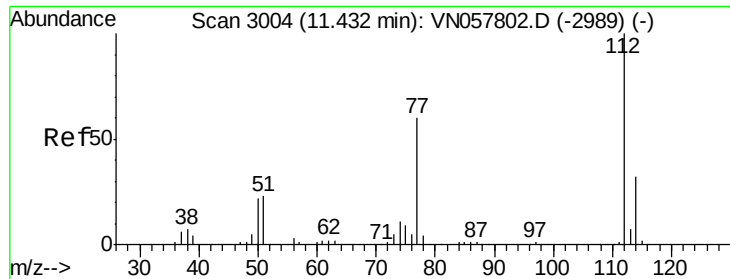
Tgt Ion:117 Resp: 513705
Ion Ratio Lower Upper
117 100
82 58.2 47.2 70.8
119 31.1 25.3 37.9



#64
Tetrachloroethene
Concen: 53.656 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion:164 Resp: 203514
Ion Ratio Lower Upper
164 100
166 129.6 102.2 153.2
129 99.9 80.8 121.2
131 96.1 77.4 116.2

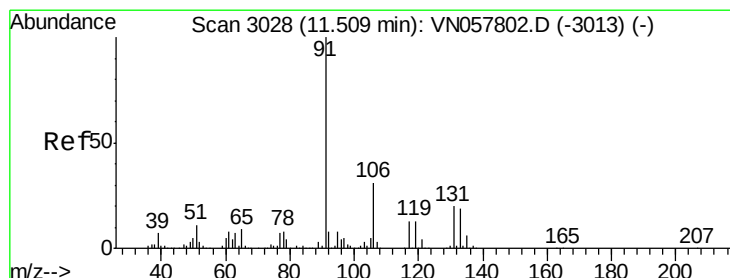
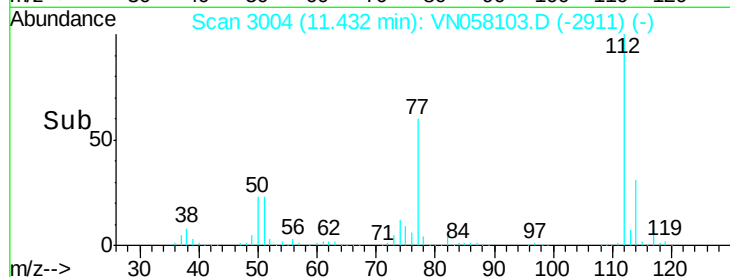
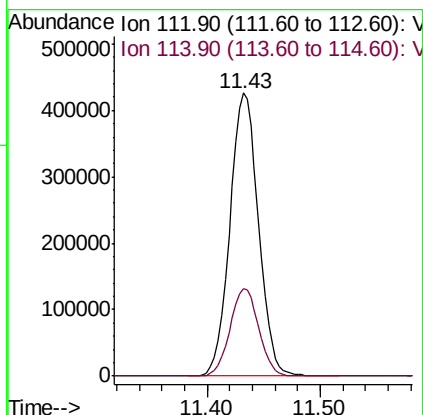
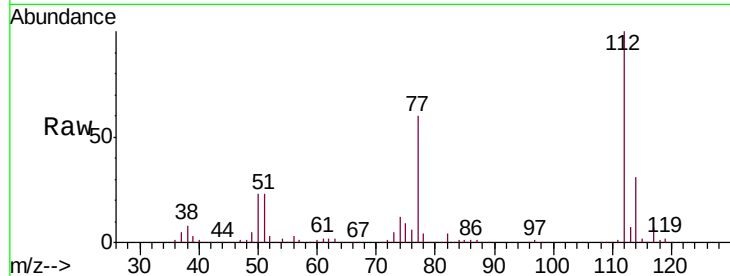




#65
Chlorobenzene
Concen: 55.523 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

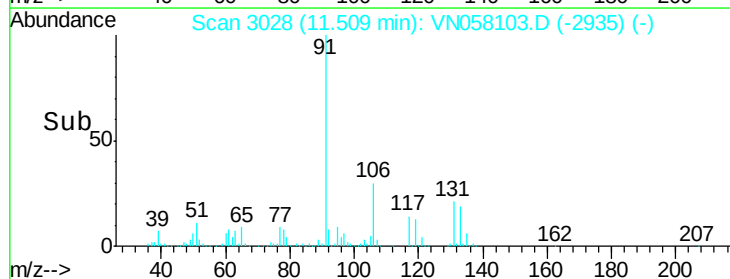
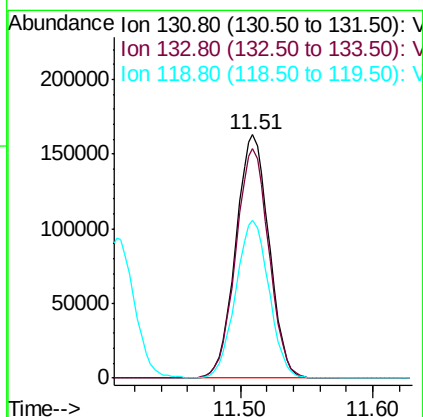
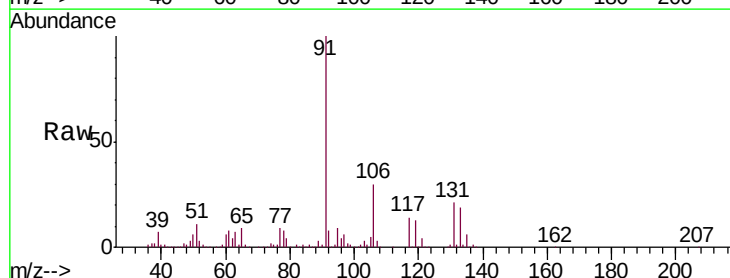
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

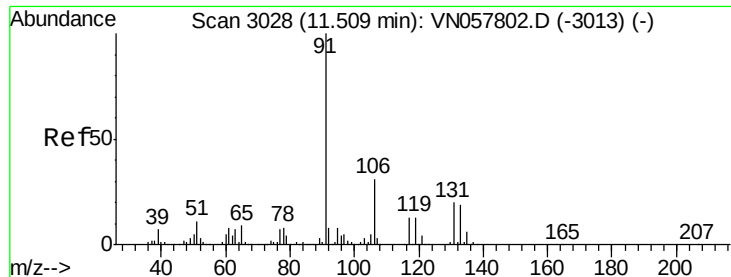
Tgt Ion:112 Resp: 746456
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 60.742 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion:131 Resp: 283361
Ion Ratio Lower Upper
131 100
133 94.0 47.1 141.3
119 64.9 33.3 99.8





#67

Ethyl Benzene

Concen: 56.677 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

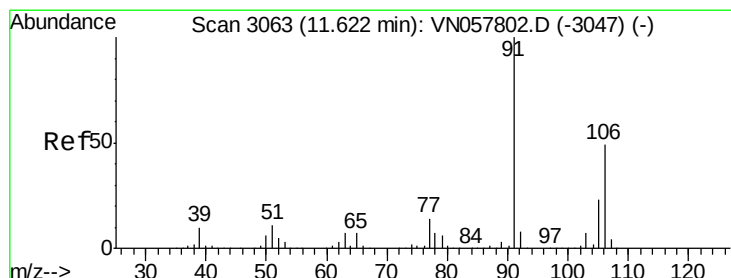
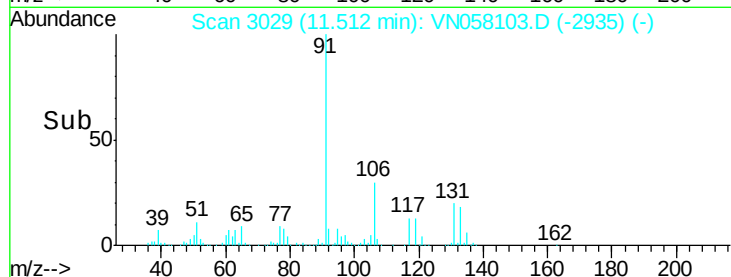
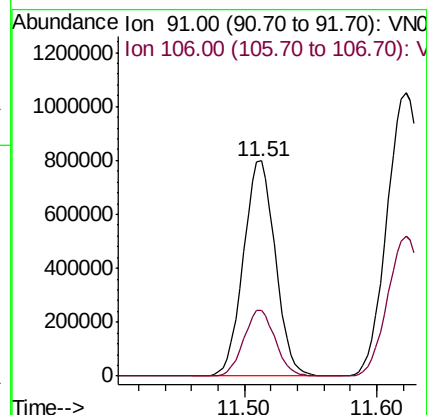
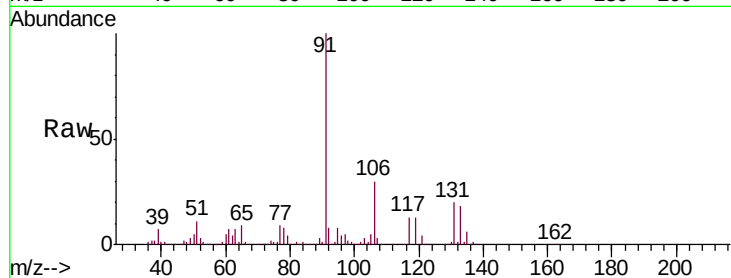
VSTDCCC050

Tgt Ion: 91 Resp: 1335375

Ion Ratio Lower Upper

91 100

106 30.3 24.4 36.6



#68

m/p-Xylenes

Concen: 114.362 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058103.D

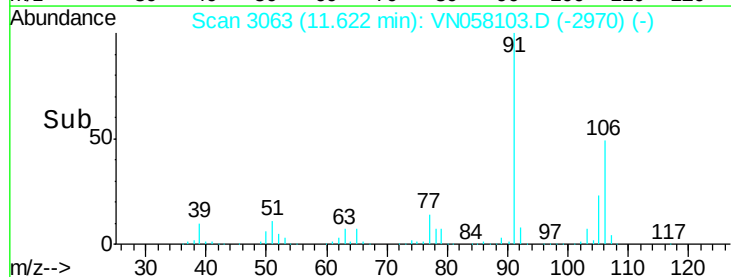
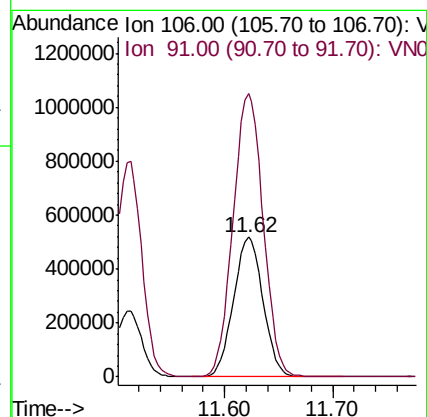
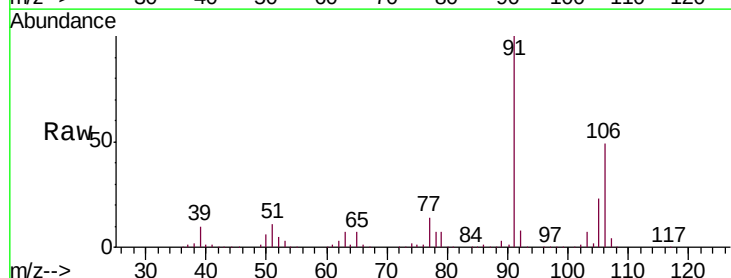
Acq: 16 Sep 2019 9:19

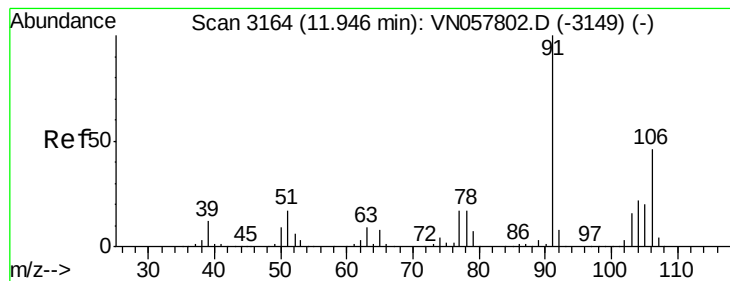
Tgt Ion: 106 Resp: 986999

Ion Ratio Lower Upper

106 100

91 207.0 165.8 248.6





#69

o-Xylene

Concen: 56.838 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

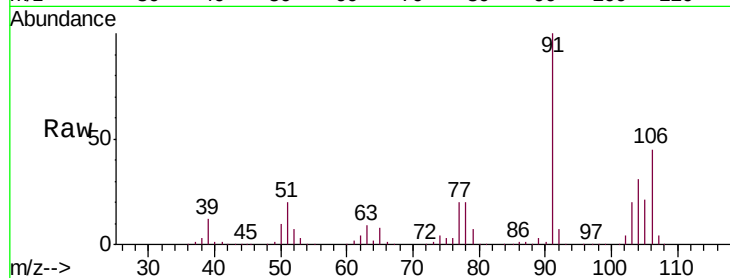
VSTDCCC050

Tgt Ion:106 Resp: 487664

Ion Ratio Lower Upper

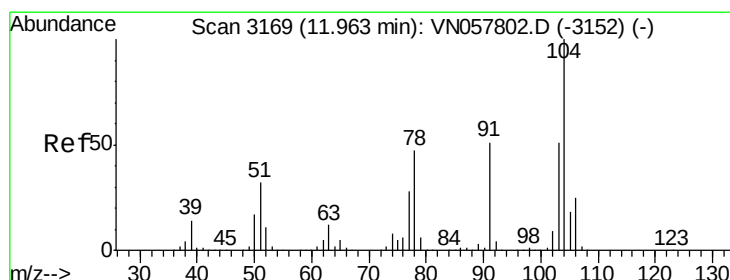
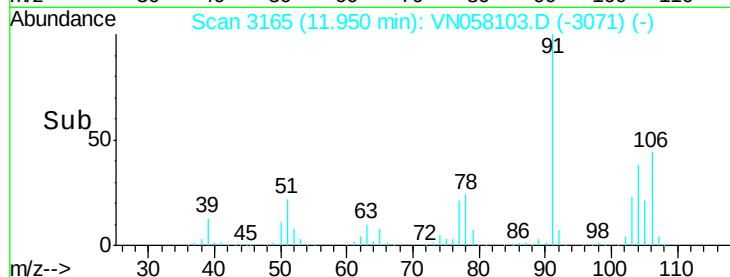
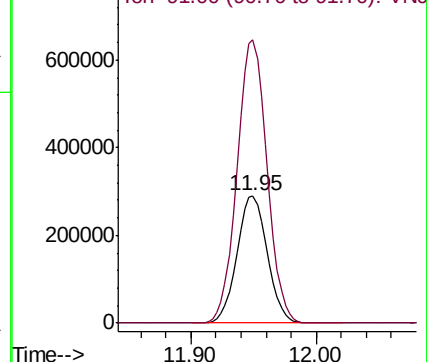
106 100

91 220.0 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 58.594 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

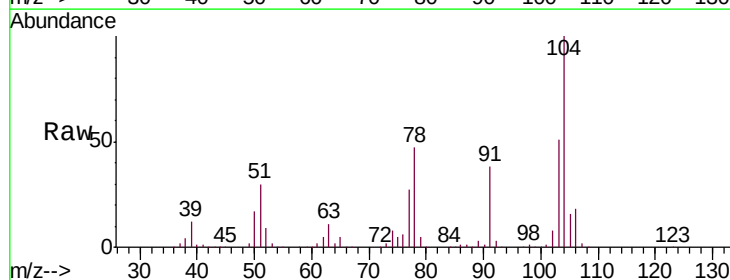
Tgt Ion:104 Resp: 865197

Ion Ratio Lower Upper

104 100

78 52.3 41.3 61.9

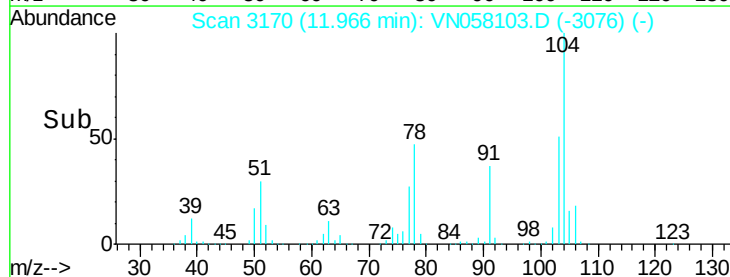
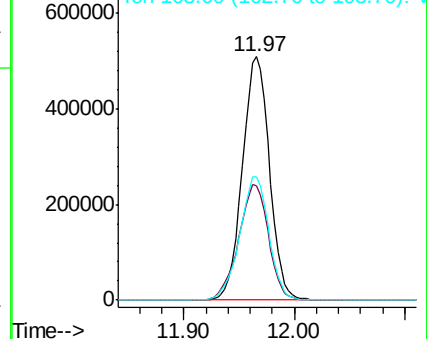
103 54.5 43.7 65.5

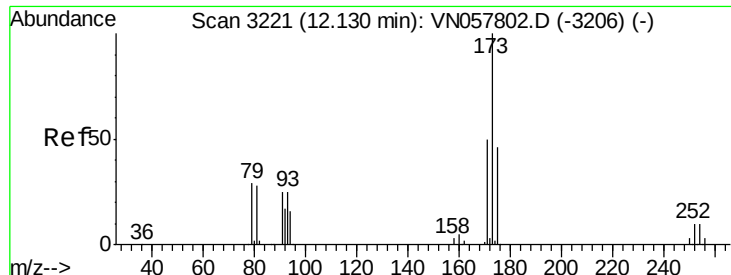


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 62.427 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

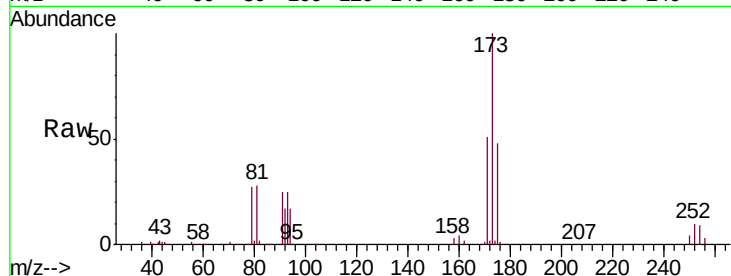
Tgt Ion:173 Resp: 181567

Ion Ratio Lower Upper

173 100

175 47.9 23.5 70.6

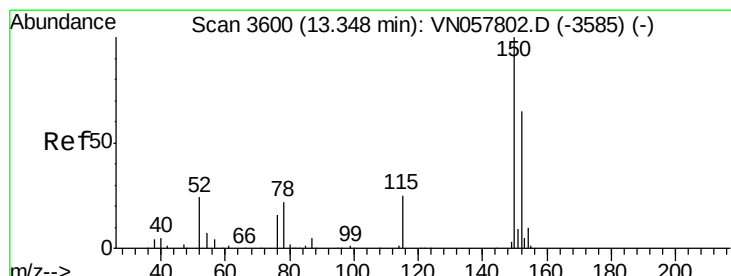
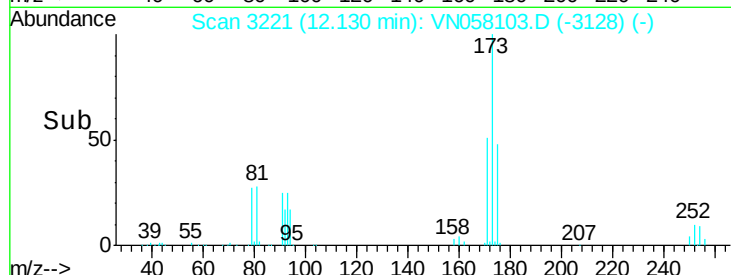
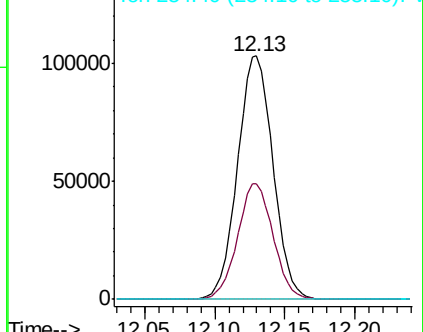
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

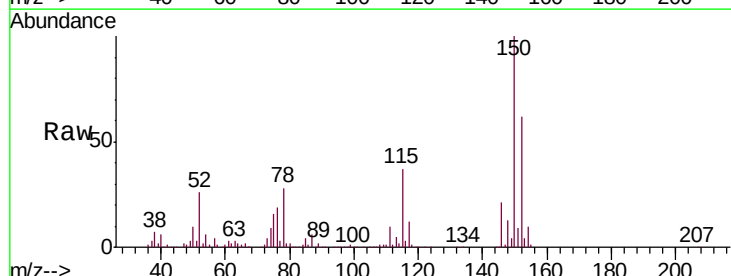
Tgt Ion:152 Resp: 319660

Ion Ratio Lower Upper

152 100

115 59.7 30.3 91.0

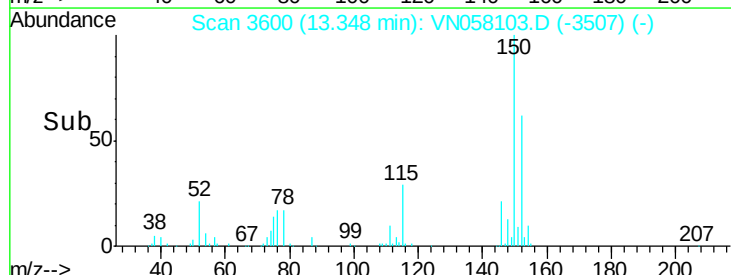
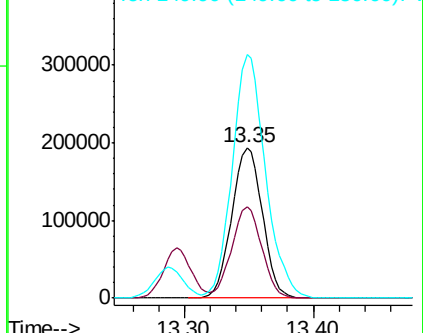
150 175.8 0.0 352.4

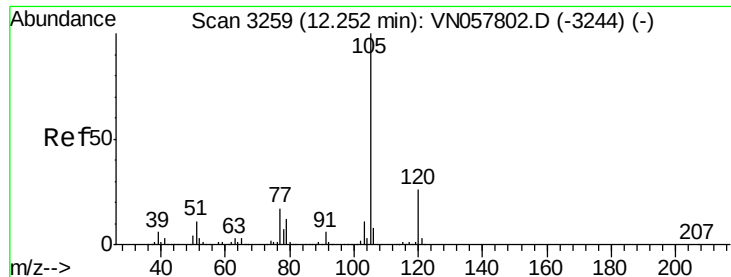


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.169 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

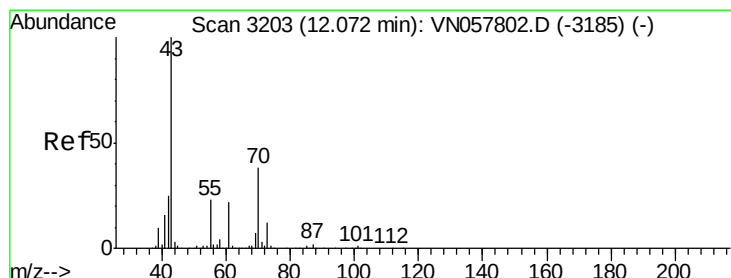
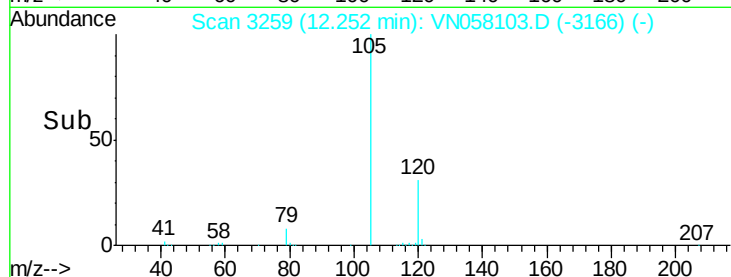
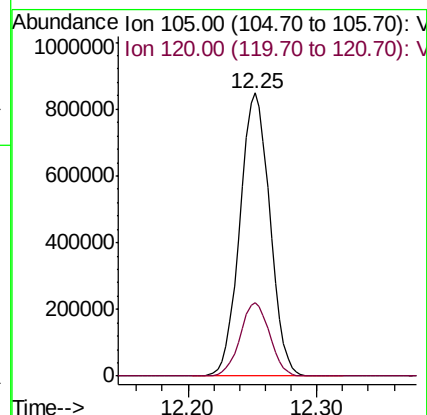
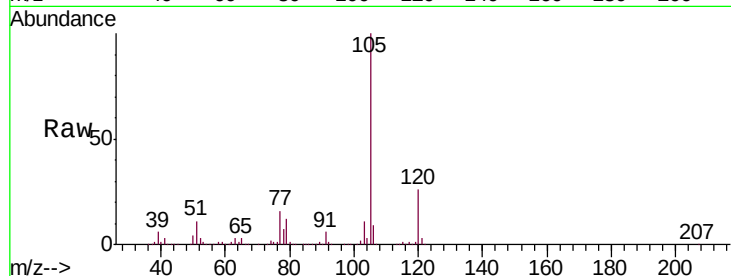
VSTDCCC050

Tgt Ion:105 Resp: 1368444

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



#74

N-ethyl acetate

Concen: 53.228 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Tgt Ion: 43 Resp: 574596

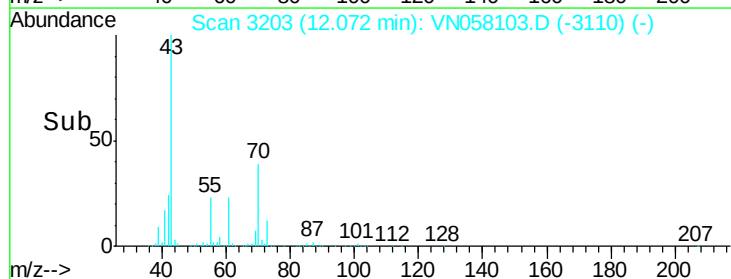
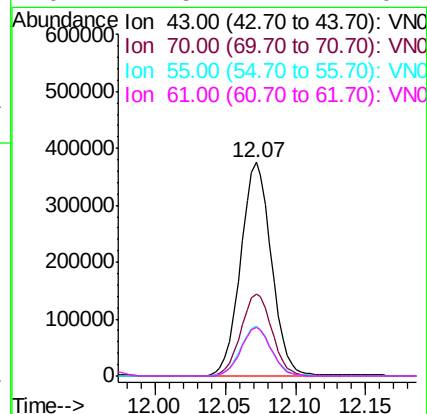
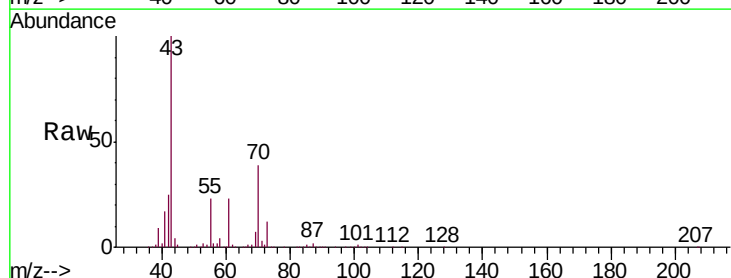
Ion Ratio Lower Upper

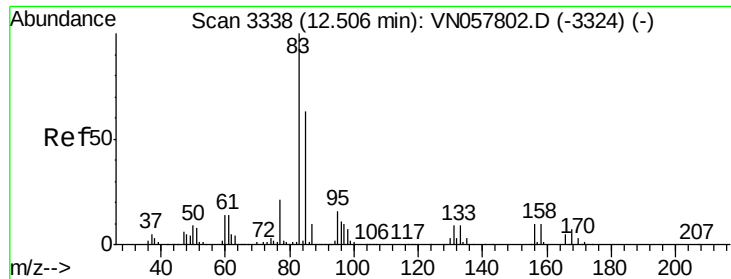
43 100

70 39.0 30.6 45.8

55 23.4 18.6 27.8

61 22.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.802 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

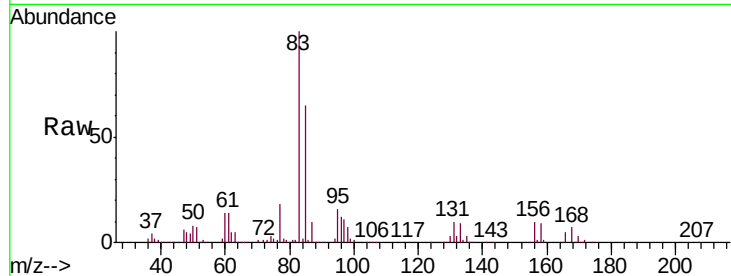
Tgt Ion: 83 Resp: 432632

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

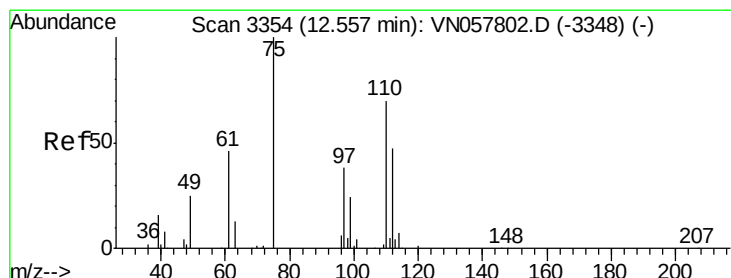
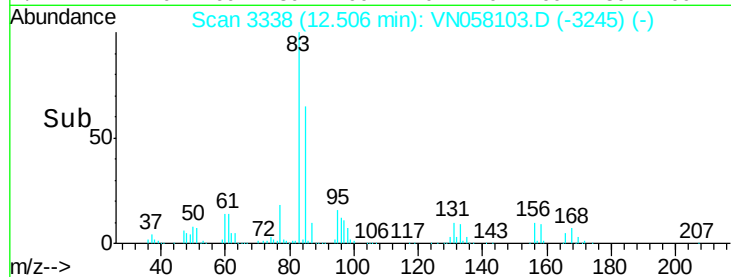
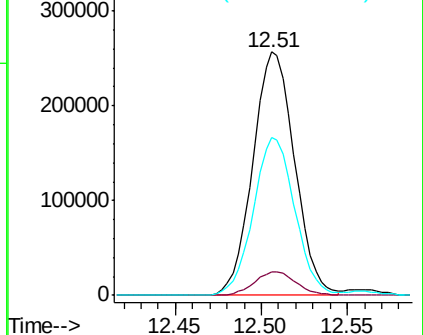
85 64.1 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 73.642 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058103.D

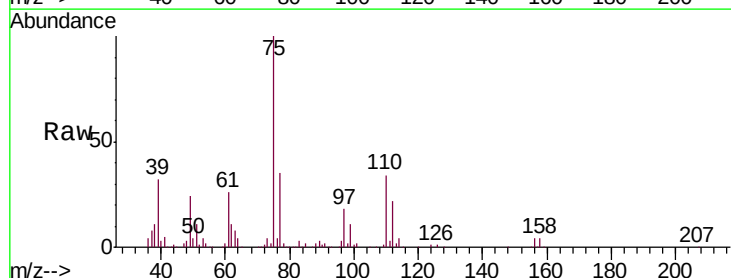
Acq: 16 Sep 2019 9:19

Tgt Ion: 75 Resp: 532522

Ion Ratio Lower Upper

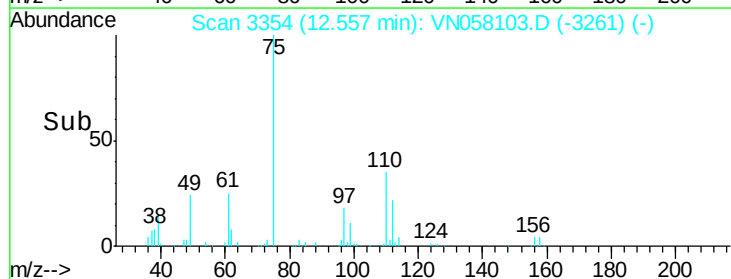
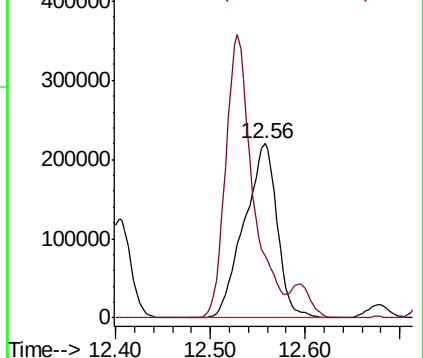
75 100

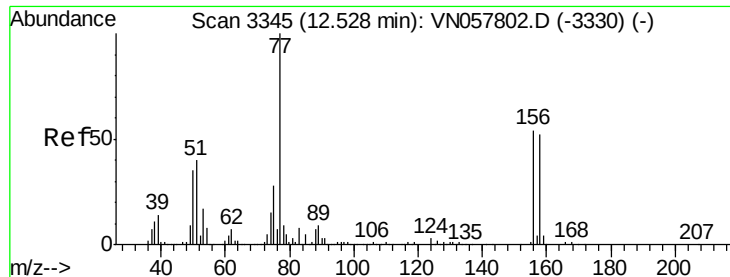
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.350 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

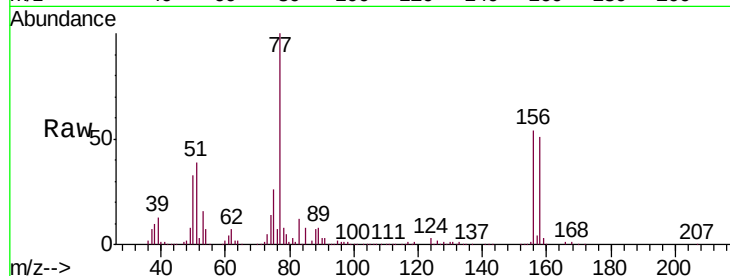
Tgt Ion:156 Resp: 323751

Ion Ratio Lower Upper

156 100

77 222.3 113.7 341.1

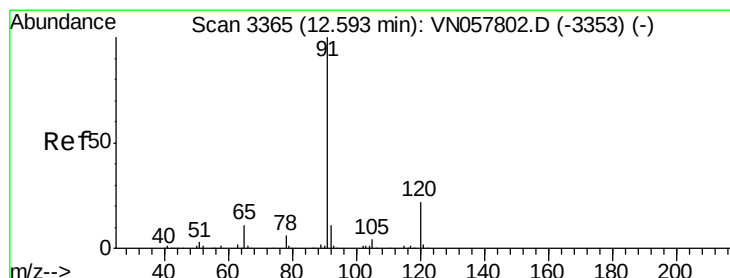
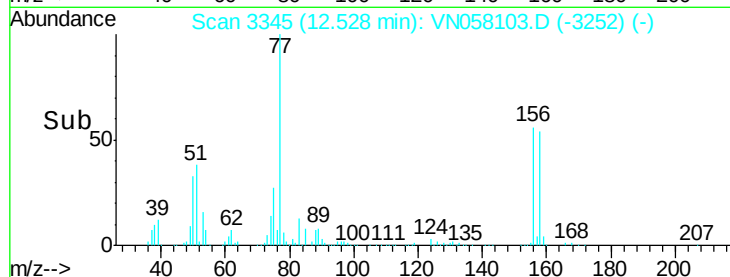
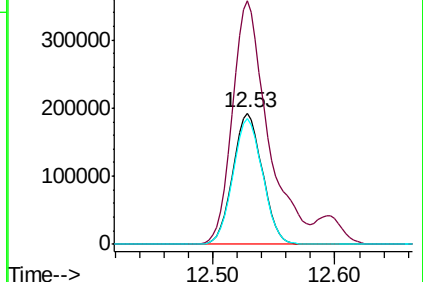
158 96.5 48.5 145.6



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: 56.814 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058103.D

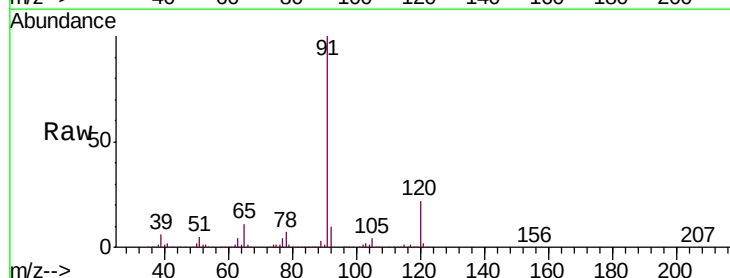
Acq: 16 Sep 2019 9:19

Tgt Ion: 91 Resp: 1618246

Ion Ratio Lower Upper

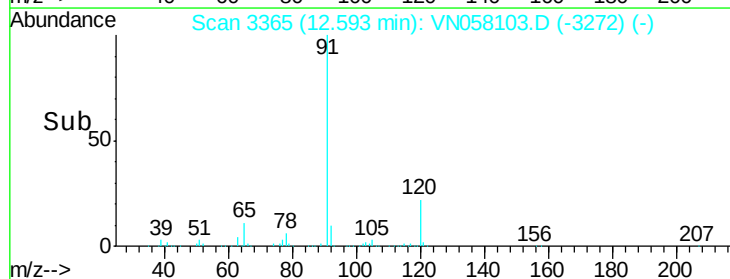
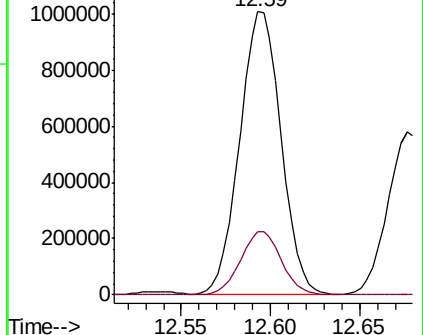
91 100

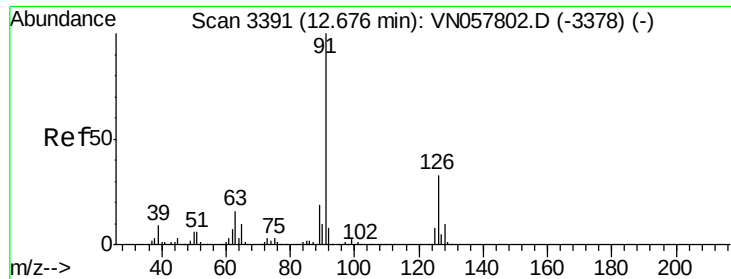
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

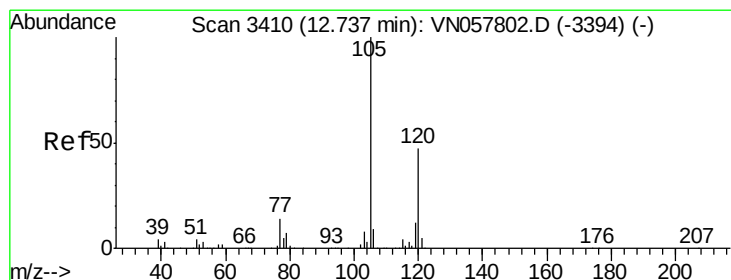
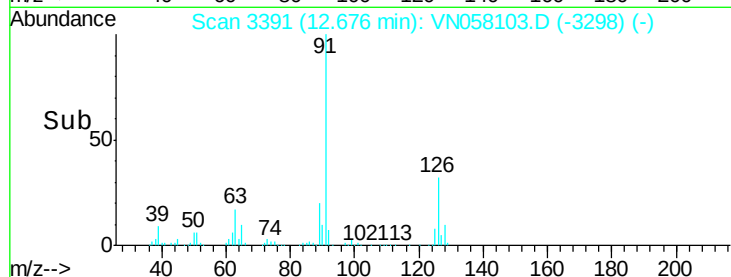
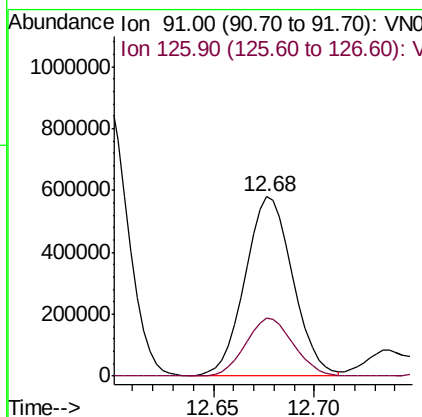
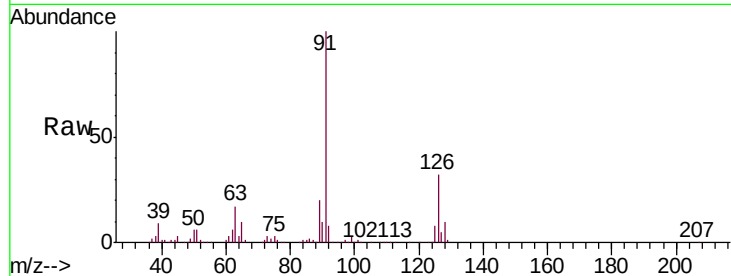




#79
 2-Chlorotoluene
 Concen: 52.992 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

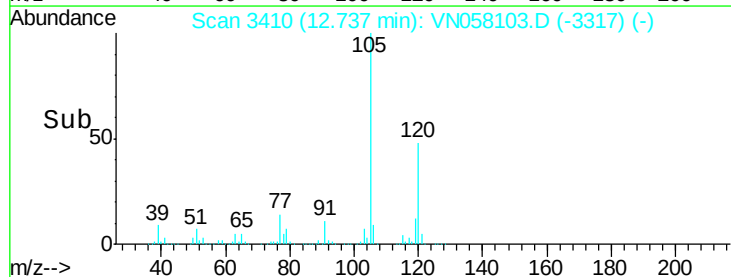
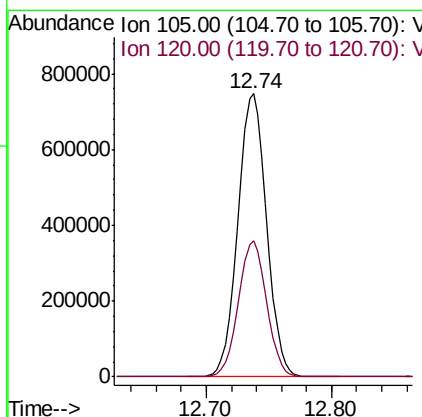
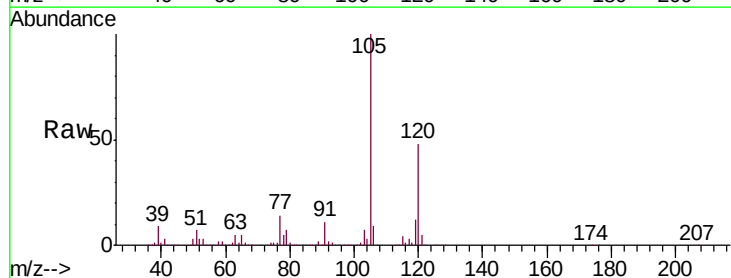
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

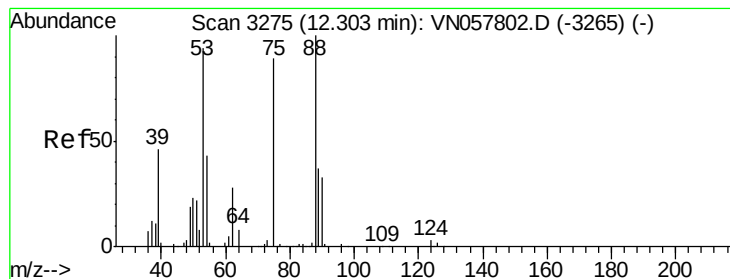
Tgt Ion: 91 Resp: 953988
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 56.474 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion: 105 Resp: 1183606
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 56.234 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

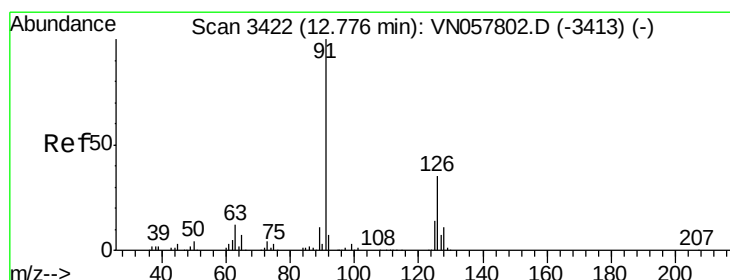
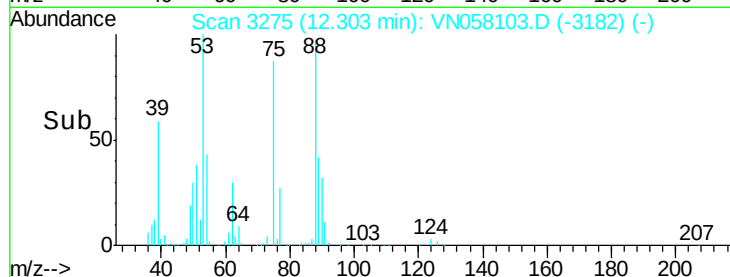
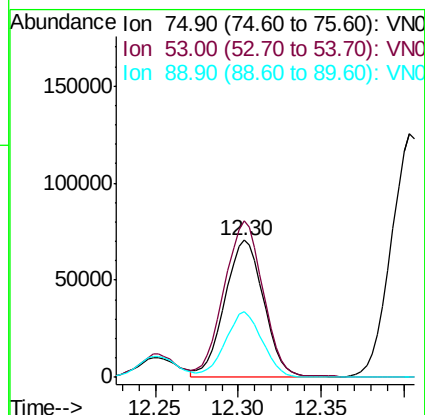
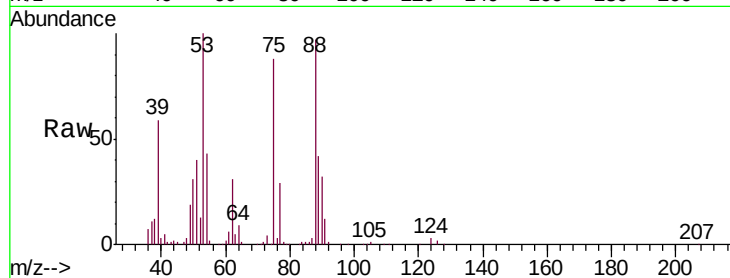
Tgt Ion: 75 Resp: 115555

Ion Ratio Lower Upper

75 100

53 114.6 88.4 132.6

89 45.3 35.3 52.9



#82

4-Chlorotoluene

Concen: 55.315 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058103.D

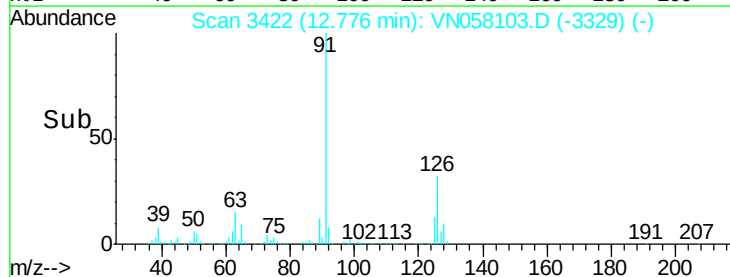
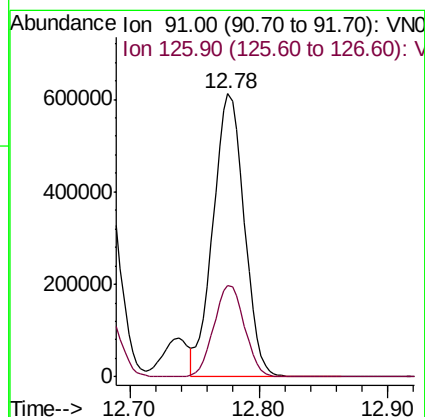
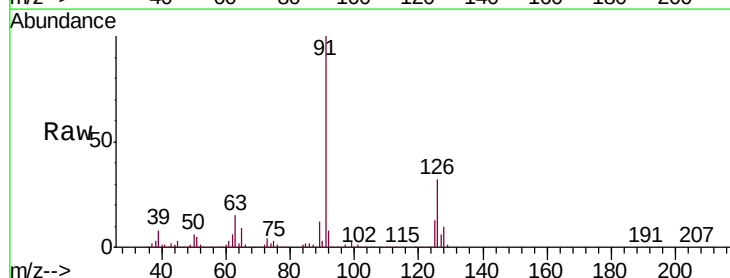
Acq: 16 Sep 2019 9:19

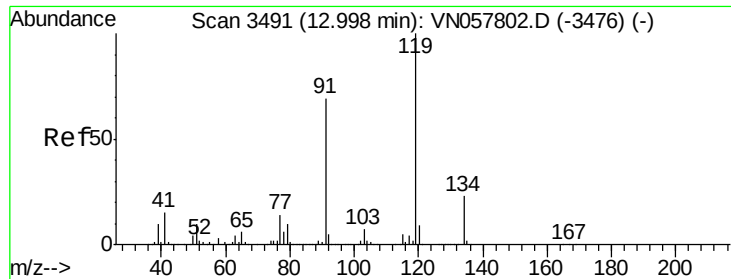
Tgt Ion: 91 Resp: 1022610

Ion Ratio Lower Upper

91 100

126 32.2 16.0 48.0

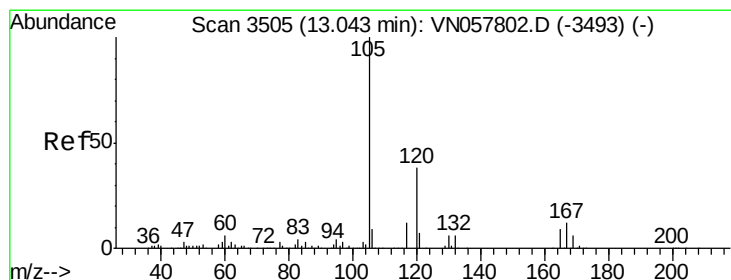
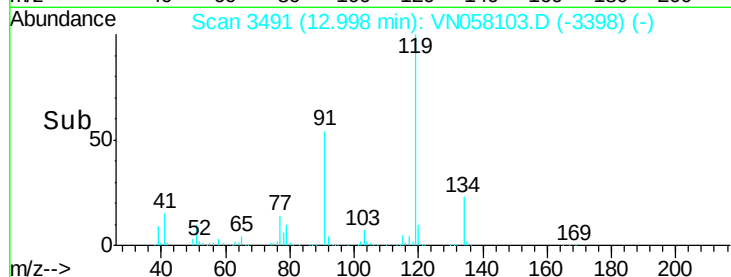
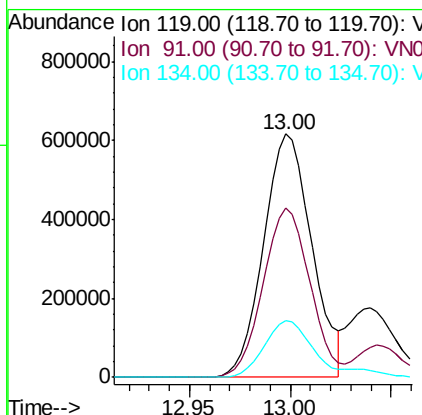
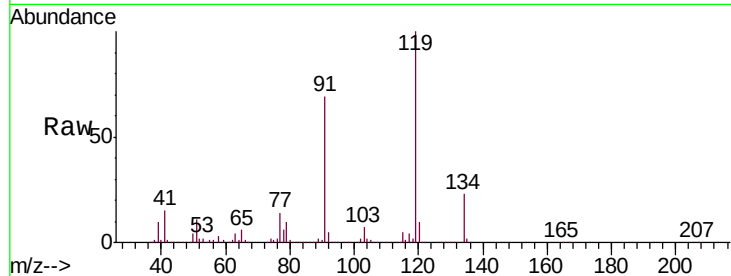




#83
 tert-Butylbenzene
 Concen: 55.049 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

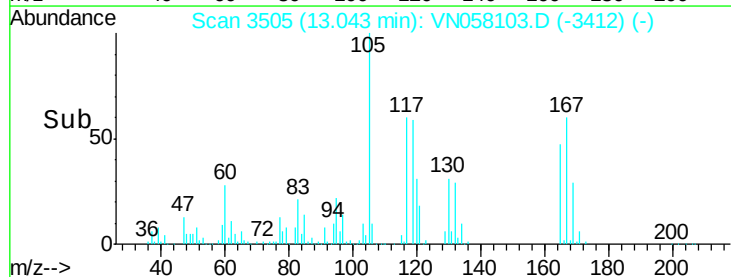
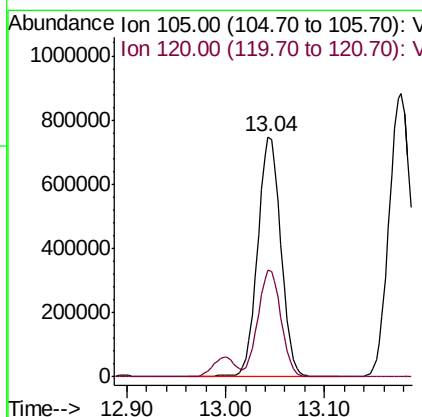
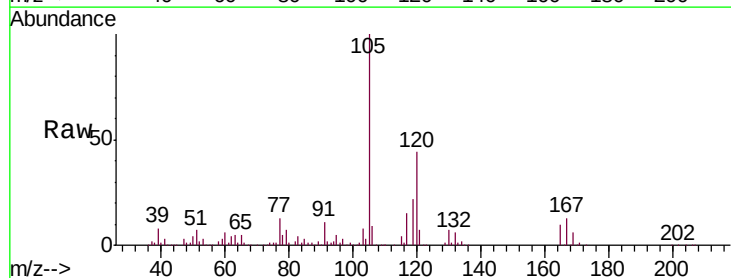
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

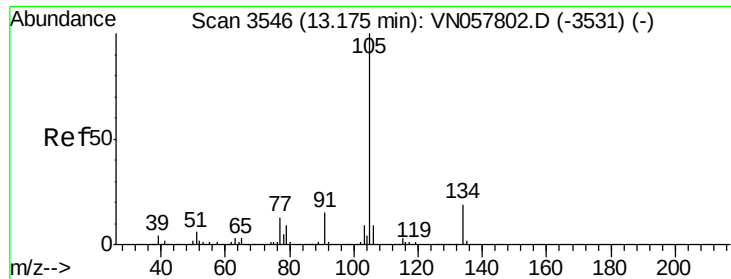
Tgt Ion:119 Resp: 1025560
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.6 100.8
 134 23.2 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 56.766 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion:105 Resp: 1209180
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.4 67.2





#85

sec-Butylbenzene

Concen: 56.500 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

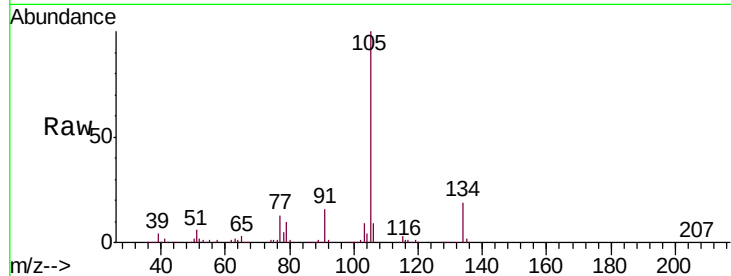
VSTDCCC050

Tgt Ion:105 Resp: 1395151

Ion Ratio Lower Upper

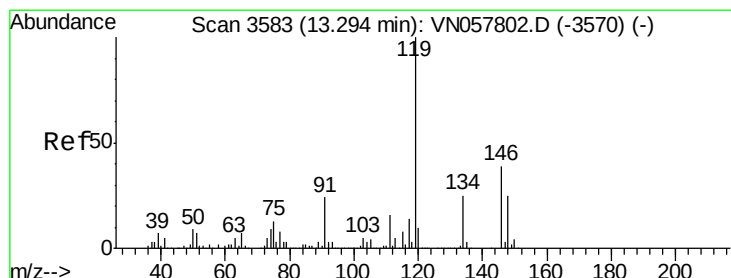
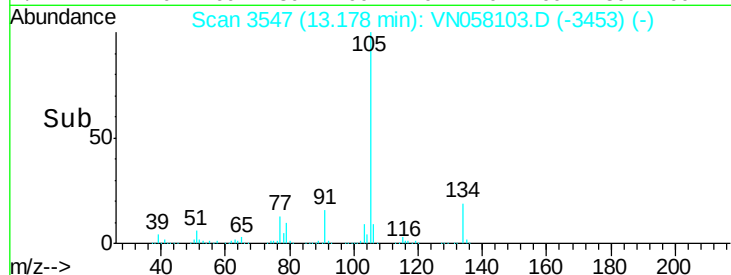
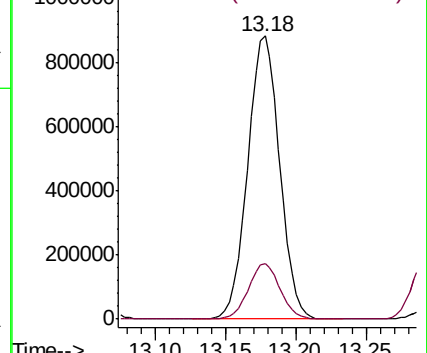
105 100

134 19.3 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.418 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

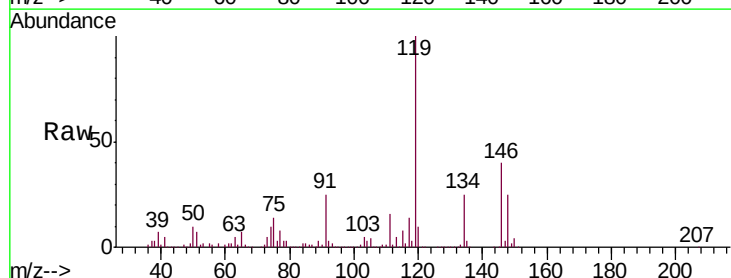
Tgt Ion:119 Resp: 1271001

Ion Ratio Lower Upper

119 100

134 25.8 12.5 37.5

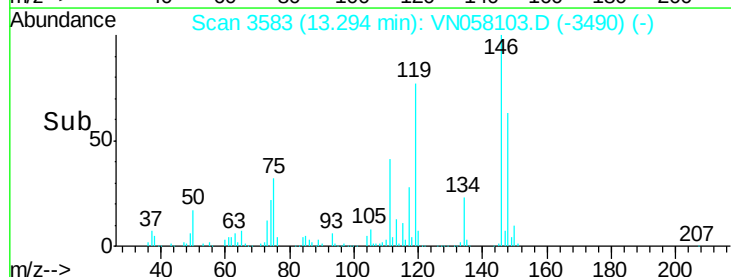
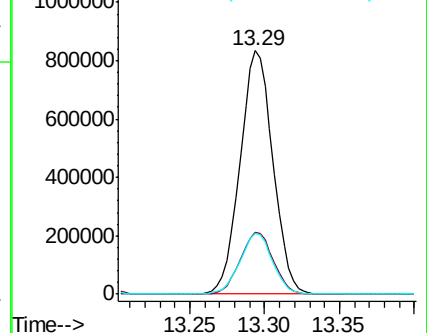
91 24.8 12.3 36.8

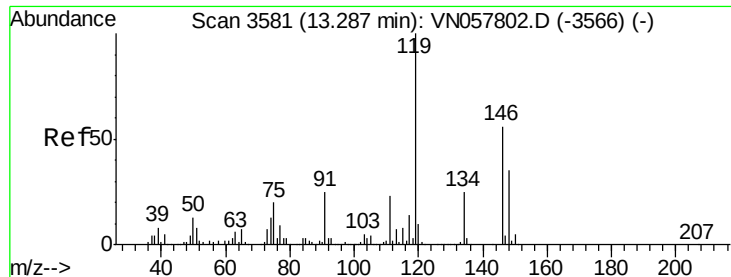


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.969 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

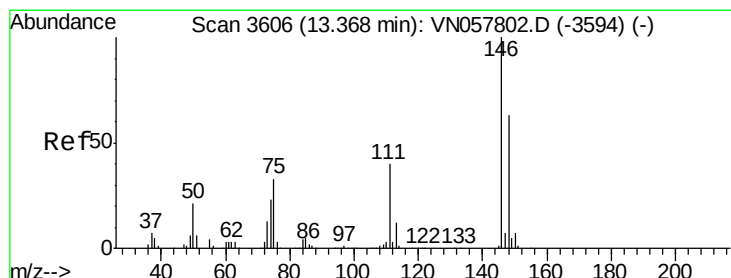
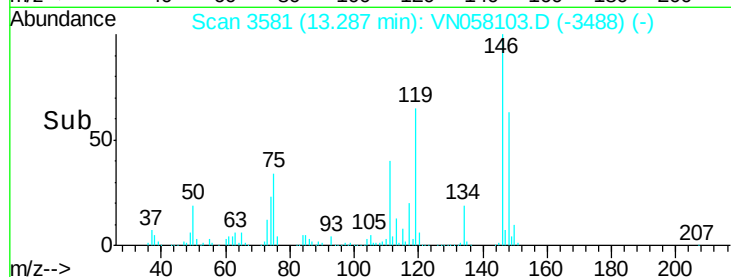
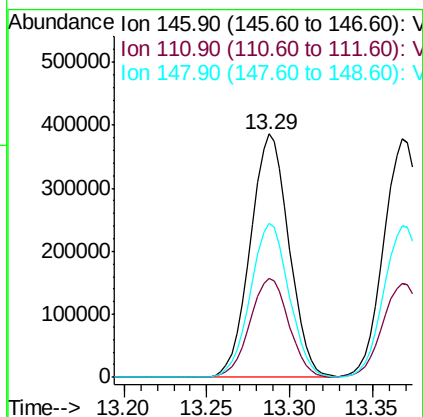
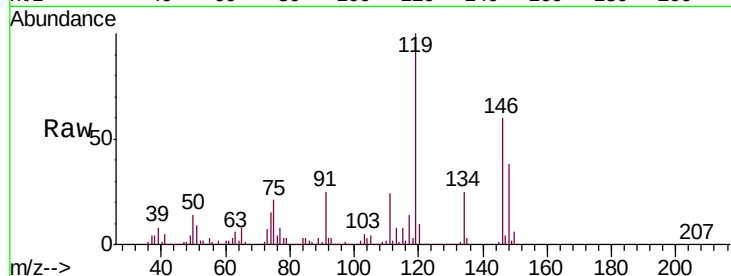
Tgt Ion:146 Resp: 623973

Ion Ratio Lower Upper

146 100

111 41.0 20.5 61.6

148 63.5 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 54.138 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

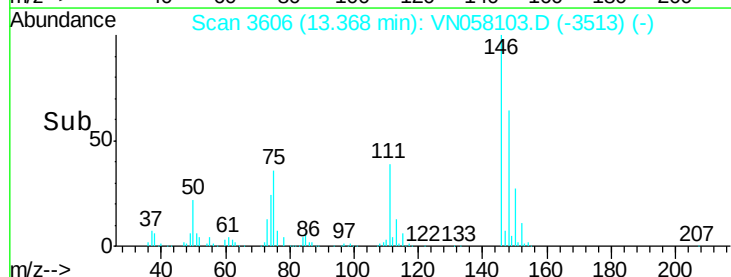
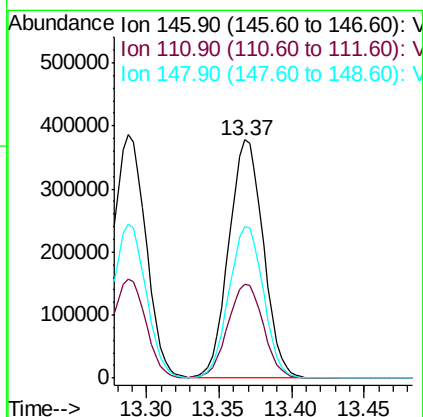
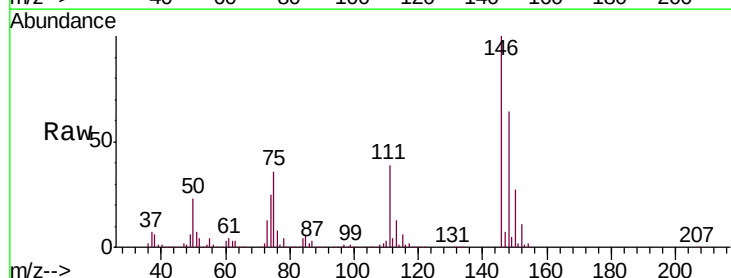
Tgt Ion:146 Resp: 623786

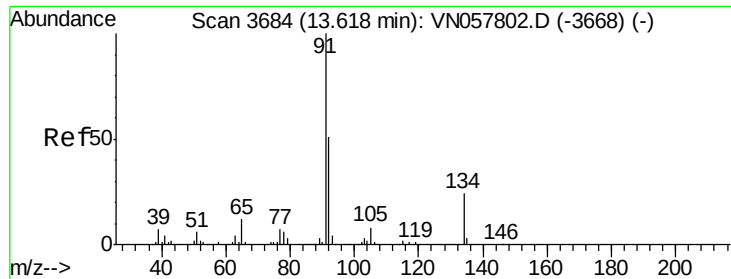
Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.2

148 63.6 31.8 95.4





#89

n-Butylbenzene

Concen: 58.610 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058103.D

Acq: 16 Sep 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

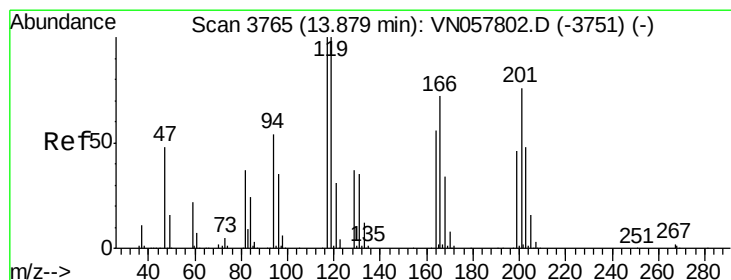
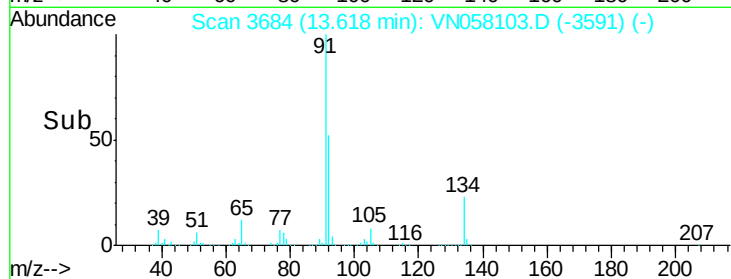
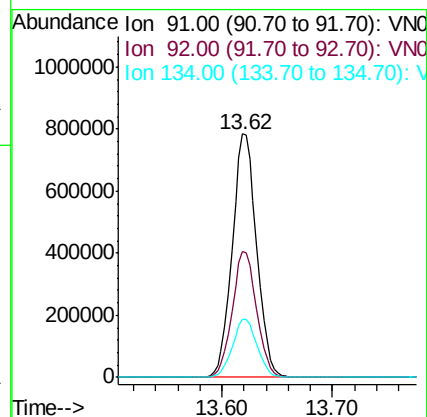
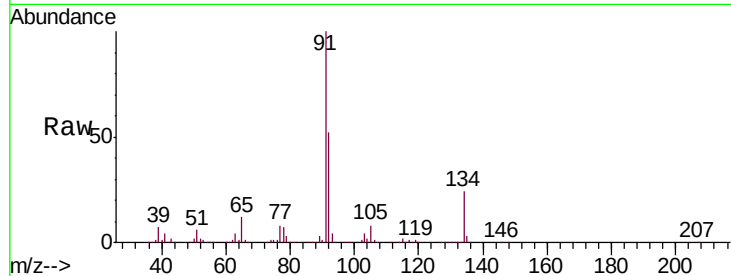
Tgt Ion: 91 Resp: 1204224

Ion Ratio Lower Upper

91 100

92 51.5 25.7 77.0

134 24.1 11.9 35.7



#90

Hexachloroethane

Concen: 59.761 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058103.D

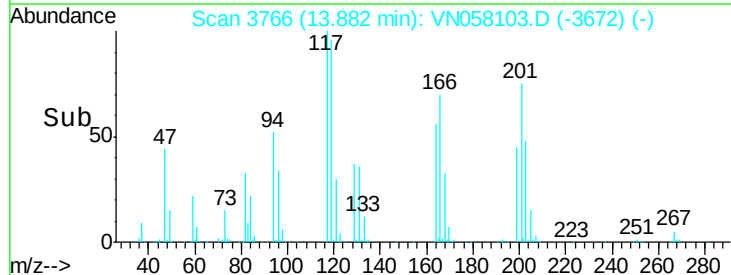
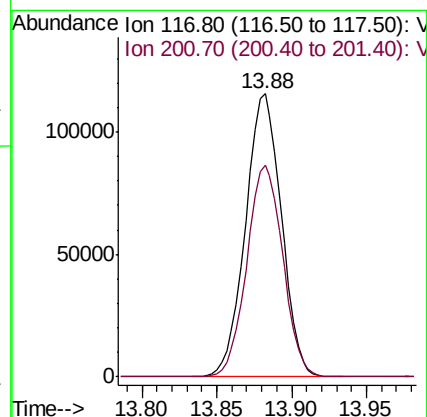
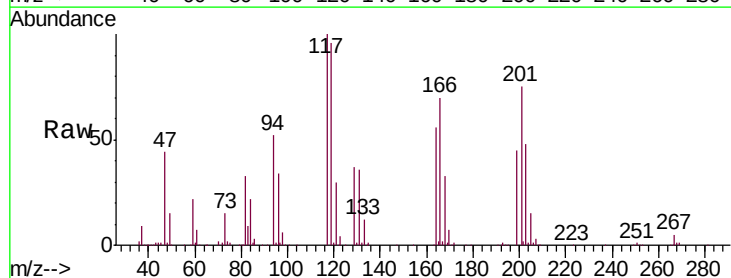
Acq: 16 Sep 2019 9:19

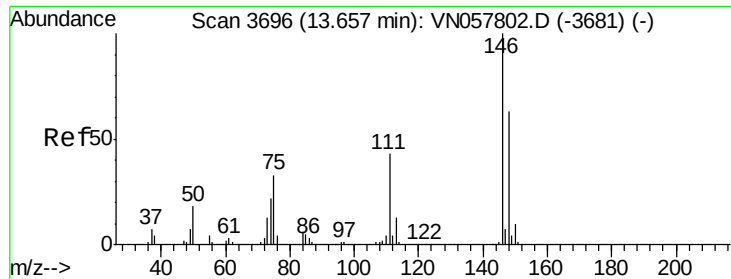
Tgt Ion: 117 Resp: 193369

Ion Ratio Lower Upper

117 100

201 74.9 37.5 112.7

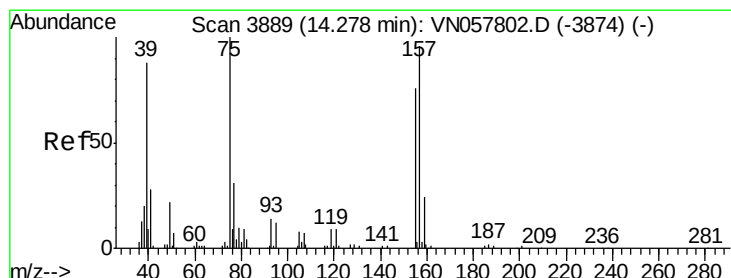
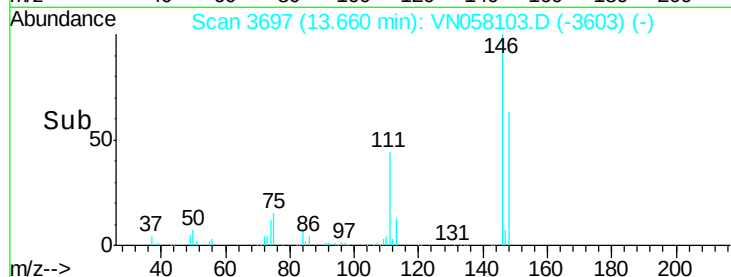
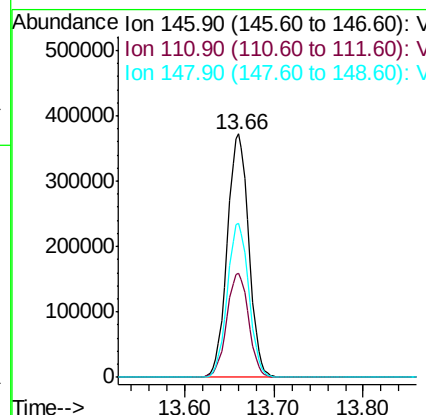
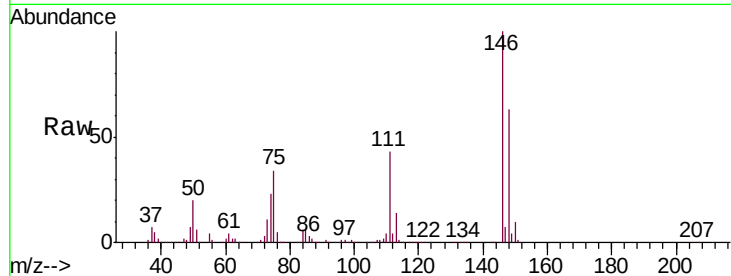




#91
 1,2-Dichlorobenzene
 Concen: 54.628 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

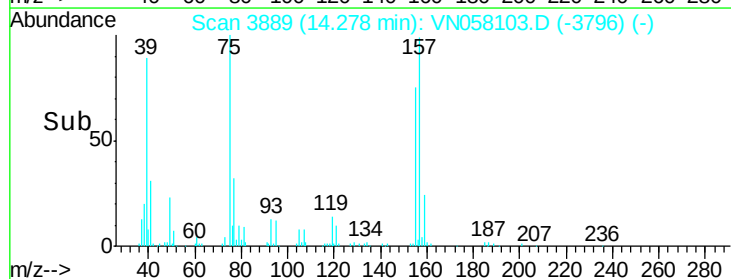
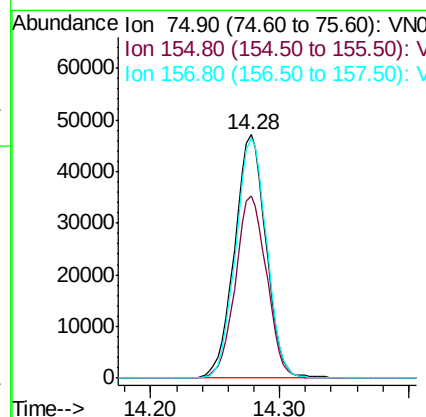
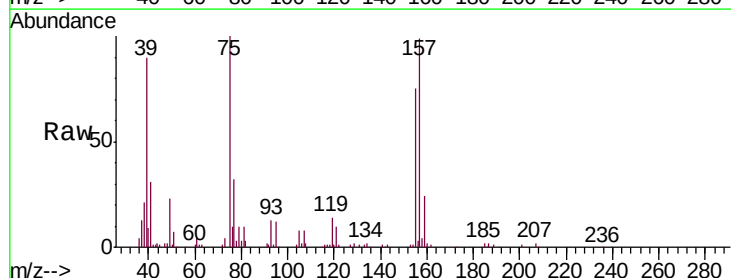
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

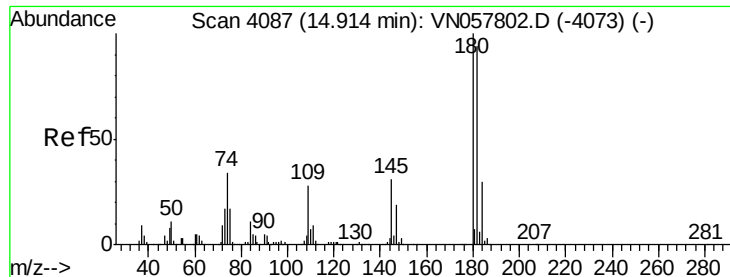
Tgt Ion: 146 Resp: 619505
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.3 63.9
 148 63.5 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.836 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion: 75 Resp: 79769
 Ion Ratio Lower Upper
 75 100
 155 74.1 37.3 111.8
 157 96.9 47.9 143.8

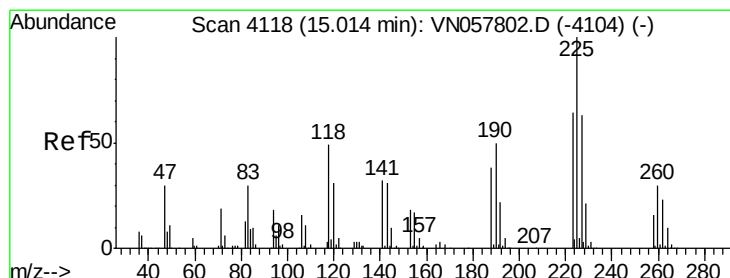
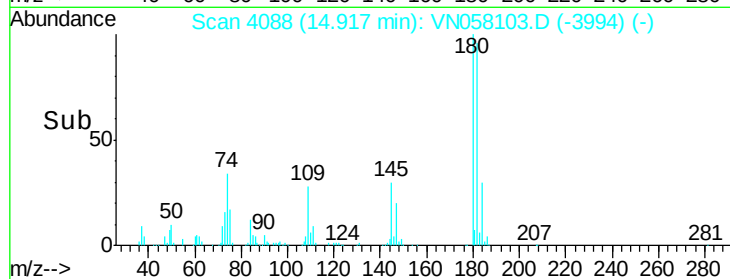
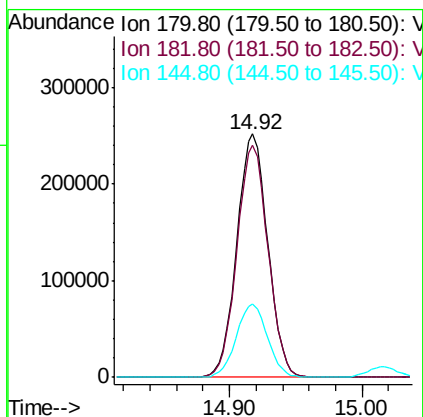
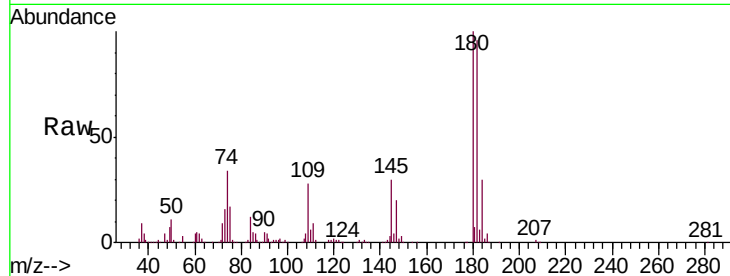




#93
 1,2,4-Trichlorobenzene
 Concen: 54.945 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

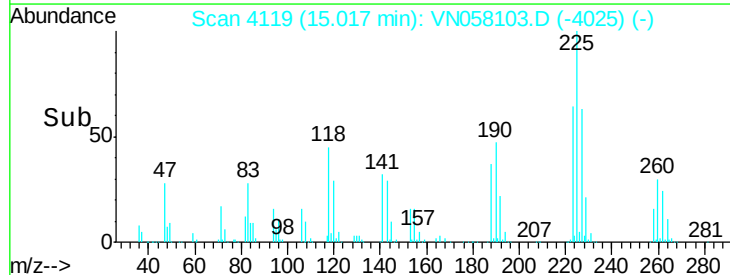
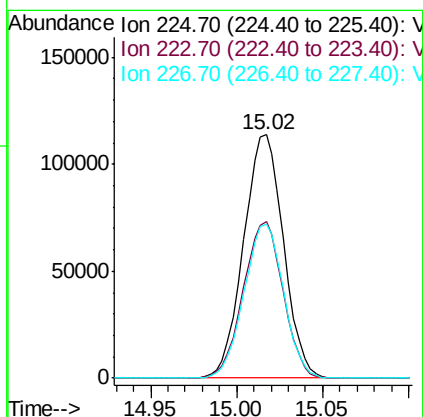
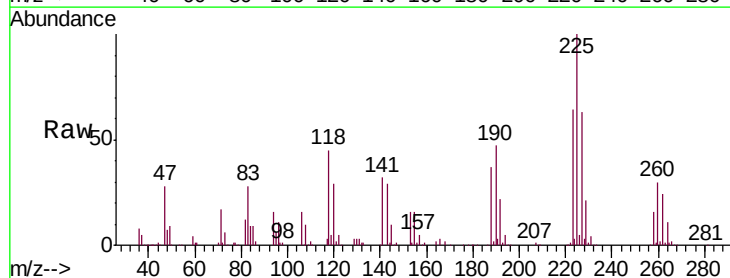
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

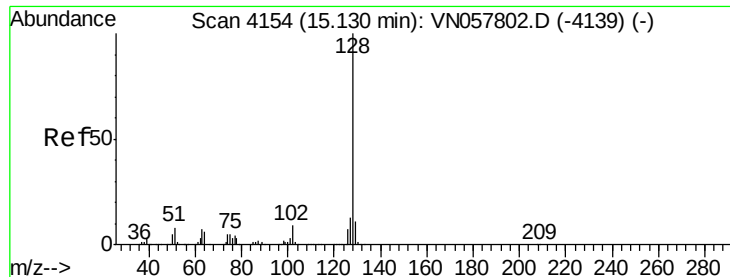
Tgt Ion:180 Resp: 407271
 Ion Ratio Lower Upper
 180 100
 182 95.9 46.9 140.8
 145 30.4 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 58.133 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058103.D
 Acq: 16 Sep 2019 9:19

Tgt Ion:225 Resp: 182660
 Ion Ratio Lower Upper
 225 100
 223 64.3 32.4 97.2
 227 63.1 31.8 95.4

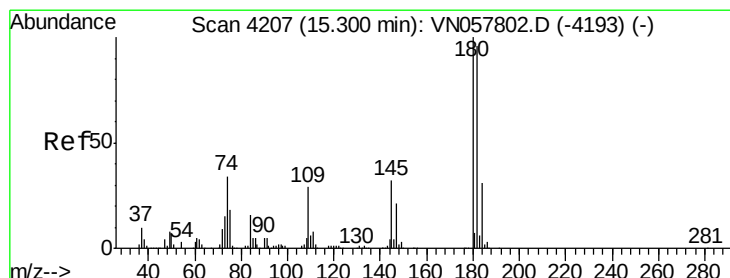
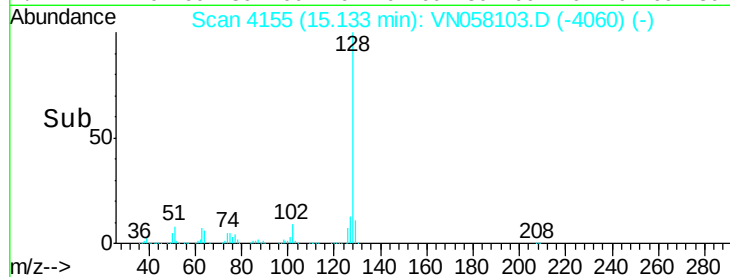
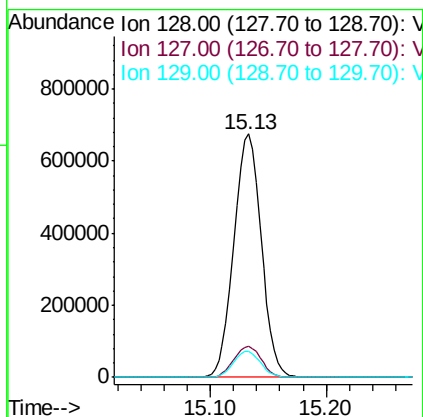
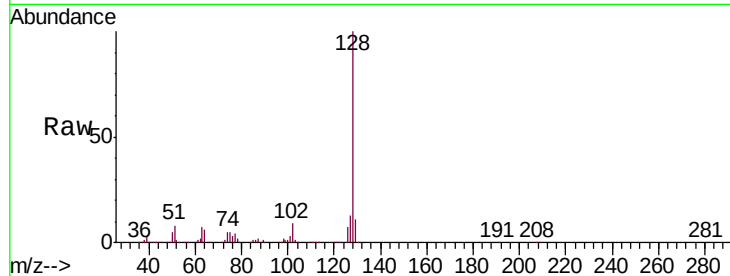




#95
Naphthalene
Concen: 59.298 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1104166
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 58.470 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058103.D
Acq: 16 Sep 2019 9:19

Tgt Ion:180 Resp: 379475
Ion Ratio Lower Upper
180 100
182 96.6 48.3 144.8
145 32.4 16.3 48.8

