

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058243.D
 Acq On : 20 Sep 2019 12:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 20 23:47:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	478985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	806513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	753126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	369605	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	360019	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	7.57	113	255693	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.09	98	1023563	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.40	95	387577	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	182296	46.330	ug/l	99
3) Chloromethane	2.03	50	152843	50.403	ug/l	98
4) Vinyl Chloride	2.17	62	167867	50.626	ug/l	99
5) Bromomethane	2.54	94	89985	51.236	ug/l	94
6) Chloroethane	2.68	64	113700	53.646	ug/l	99
7) Trichlorofluoromethane	3.00	101	248820	46.329	ug/l	99
8) Diethyl Ether	3.39	74	116635	47.396	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	183135	47.294	ug/l	98
10) Methyl Iodide	3.93	142	158240	48.769	ug/l	99
11) Tert butyl alcohol	4.75	59	180079	226.923	ug/l	99
12) 1,1-Dichloroethene	3.72	96	147152	50.076	ug/l	94
13) Acrolein	3.59	56	46231	393.107	ug/l	99
14) Allyl chloride	4.30	41	306843	48.426	ug/l	99
15) Acrylonitrile	4.96	53	557456	263.660	ug/l	99
16) Acetone	3.79	43	532674	235.227	ug/l	100
17) Carbon Disulfide	4.03	76	186216	45.046	ug/l	98
18) Methyl Acetate	4.30	43	298932	50.167	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	761355	52.130	ug/l	98
20) Methylene Chloride	4.53	84	204574	51.606	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	158374	49.454	ug/l	96
22) Diisopropyl ether	5.93	45	825502	51.288	ug/l	97
23) Vinyl Acetate	5.87	43	3019598	274.174	ug/l	100
24) 1,1-Dichloroethane	5.83	63	429831	50.036	ug/l	99
25) 2-Butanone	6.81	43	805638	261.136	ug/l	99
26) 2,2-Dichloropropane	6.81	77	357881	49.107	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	240150	49.441	ug/l	98
28) Bromochloromethane	7.18	49	217842	53.605	ug/l	100
29) Tetrahydrofuran	7.19	42	477125	251.071	ug/l	99
30) Chloroform	7.36	83	460102	49.758	ug/l	100
31) Cyclohexane	7.64	56	277058	49.889	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	356601	50.658	ug/l	99
36) 1,1-Dichloropropene	7.78	75	270351	46.483	ug/l	100
37) Ethyl Acetate	6.91	43	315216	52.224	ug/l	99
38) Carbon Tetrachloride	7.76	117	283378	48.469	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	277531	49.353	ug/l	98
40) Benzene	8.03	78	865476	48.719	ug/l	99
41) Methacrylonitrile	7.15	41	148313	48.798	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	369239	49.535	ug/l	99
43) Isopropyl Acetate	8.15	43	557639	49.468	ug/l	100
44) Trichloroethene	8.82	130	211382	48.625	ug/l	99
45) 1,2-Dichloropropane	9.11	63	273052	51.469	ug/l	98
46) Dibromomethane	9.20	93	164721	51.069	ug/l	98
47) Bromodichloromethane	9.39	83	355677	52.637	ug/l	98
48) Methyl methacrylate	9.19	41	268851	52.528	ug/l	99
49) 1,4-Dioxane	9.19	88	74615	887.931	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1756112	293.294	ug/l	99
52) Toluene	10.15	92	558961	50.207	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	376594	54.407	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	408679	53.477	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	260280	52.681	ug/l	98
56) Ethyl methacrylate	10.43	69	393010	55.132	ug/l	99
57) 1,3-Dichloropropane	10.71	76	442095	52.051	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1058616	311.770	ug/l	100
59) 2-Hexanone	10.75	43	1294619	291.129	ug/l	99
60) Dibromochloromethane	10.90	129	260765	54.861	ug/l	99
61) 1,2-Dibromoethane	11.00	107	240020	52.421	ug/l	100
64) Tetrachloroethene	10.63	164	170319	46.392	ug/l	99
65) Chlorobenzene	11.43	112	656485	49.557	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	252323	52.530	ug/l	100
67) Ethyl Benzene	11.51	91	1183835	52.155	ug/l	100
68) m/p-Xylenes	11.62	106	851724	99.629	ug/l	95
69) o-Xylene	11.95	106	432566	51.459	ug/l	99
70) Styrene	11.97	104	769535	53.132	ug/l	100
71) Bromoform	12.13	173	168127	47.411	ug/l #	100
73) Isopropylbenzene	12.25	105	1236840	53.462	ug/l	100
74) N-amyl acetate	12.07	43	540204	55.816	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	409403	52.844	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	496663	75.084	ug/l #	100
77) Bromobenzene	12.53	156	289245	49.703	ug/l	98
78) n-propylbenzene	12.60	91	1450445	55.172	ug/l	99
79) 2-Chlorotoluene	12.68	91	867814	52.819	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1063040	54.338	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	107414	48.523	ug/l	100
82) 4-Chlorotoluene	12.78	91	919248	53.226	ug/l	100
83) tert-Butylbenzene	13.00	119	944379	54.131	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1077891	55.366	ug/l	100
85) sec-Butylbenzene	13.18	105	1284107	56.286	ug/l	100
86) p-Isopropyltoluene	13.29	119	1146931	56.550	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	565375	53.191	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	562764	51.861	ug/l	100
89) n-Butylbenzene	13.62	91	1085802	56.468	ug/l	100
90) Hexachloroethane	13.88	117	178152	50.086	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	566326	53.116	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	76848	55.098	ug/l	99

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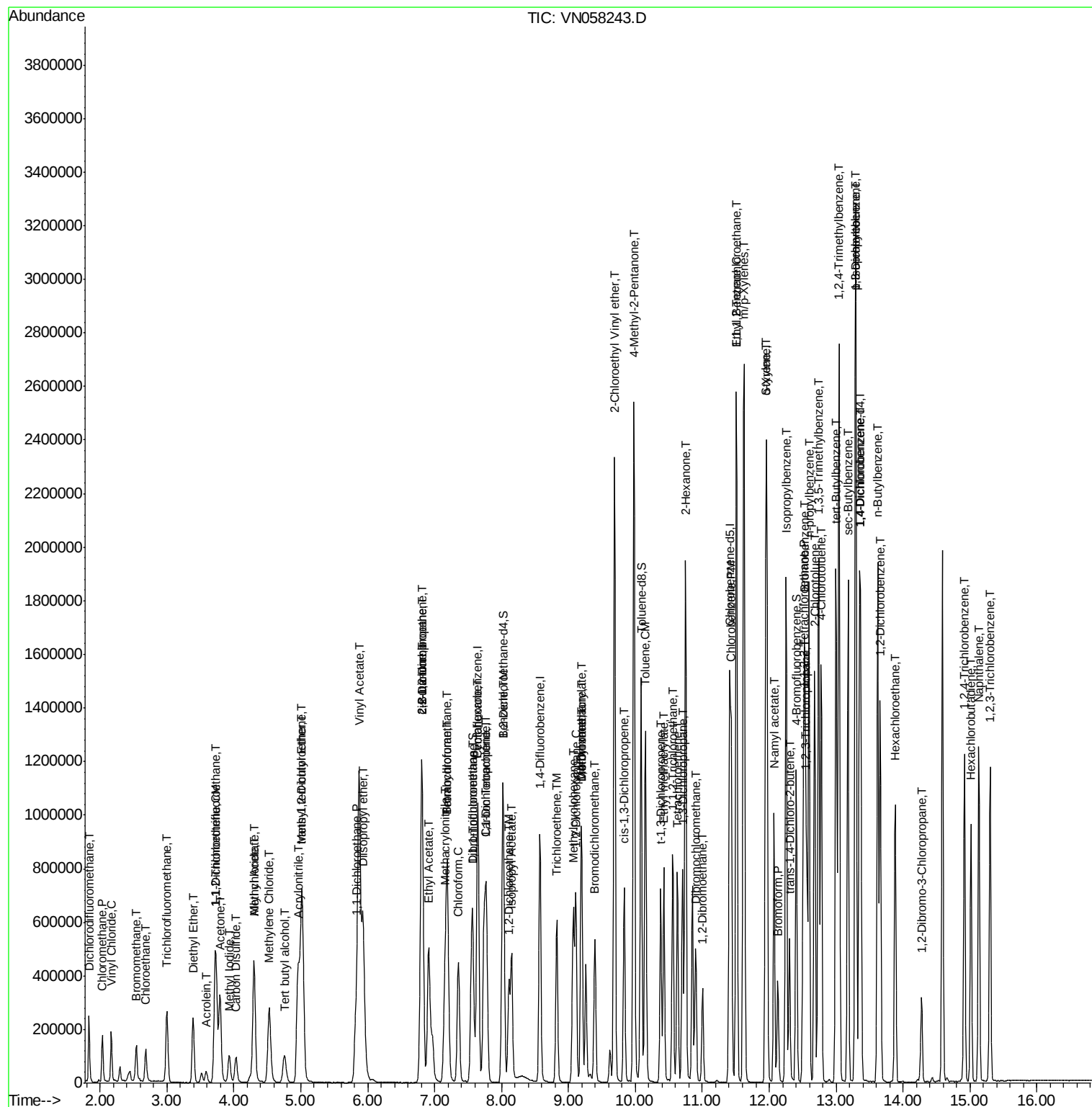
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	361754	53.103	ug/l	99
94) Hexachlorobutadiene	15.01	225	175095	53.178	ug/l	97
95) Naphthalene	15.13	128	984854	55.785	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	341729	53.073	ug/l	98

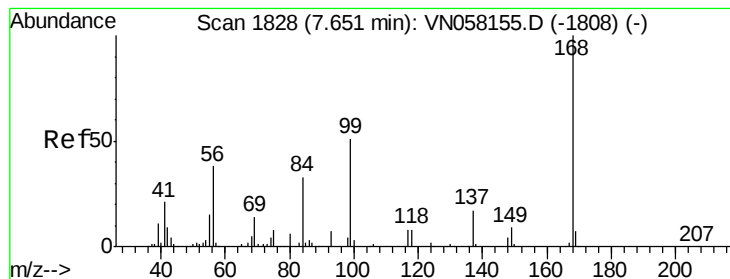
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

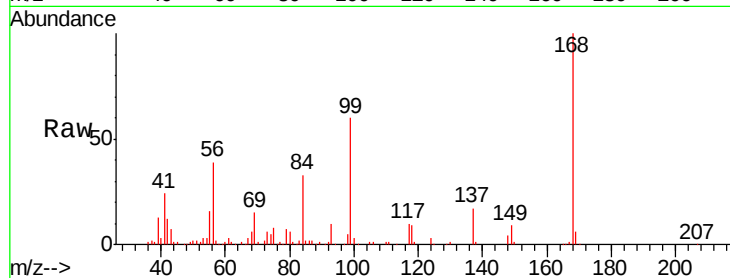
VSTDCCC050

Tgt Ion:168 Resp: 478985

Ion Ratio Lower Upper

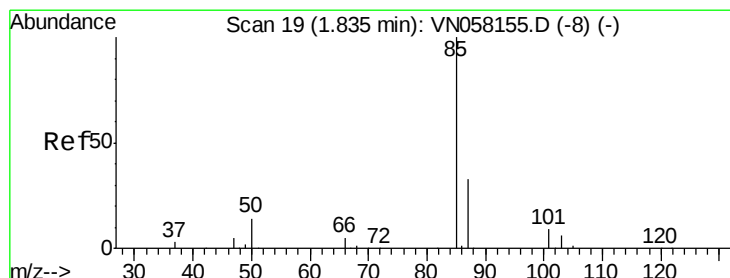
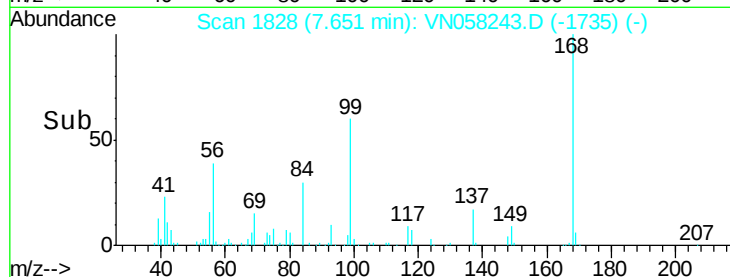
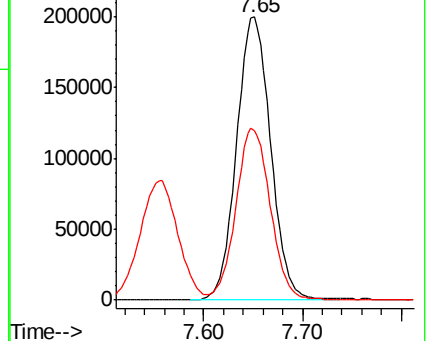
168 100

99 59.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.330 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058243.D

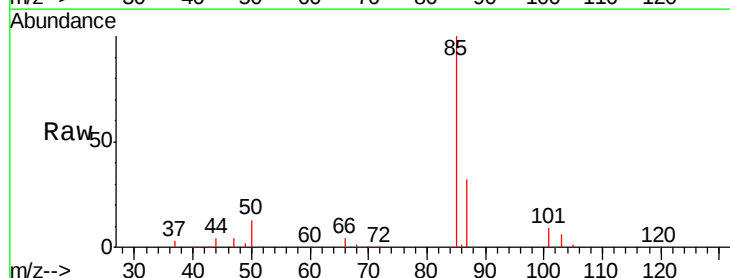
Acq: 20 Sep 2019 12:26

Tgt Ion: 85 Resp: 182296

Ion Ratio Lower Upper

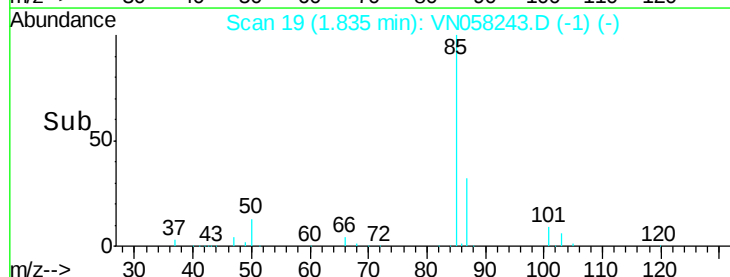
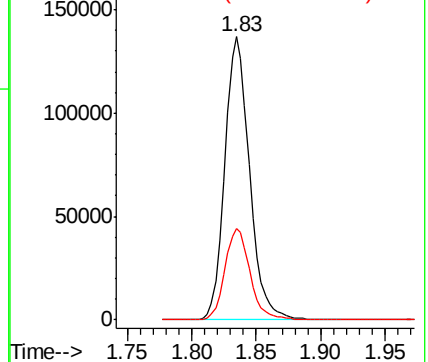
85 100

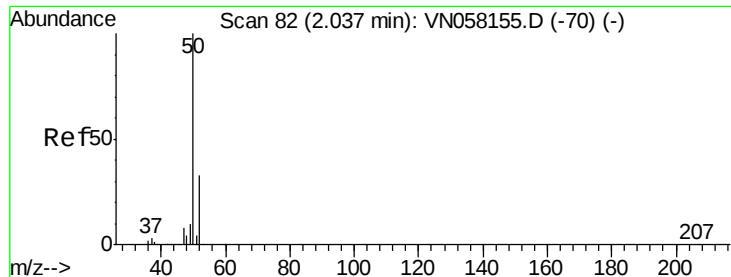
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.403 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058243.D

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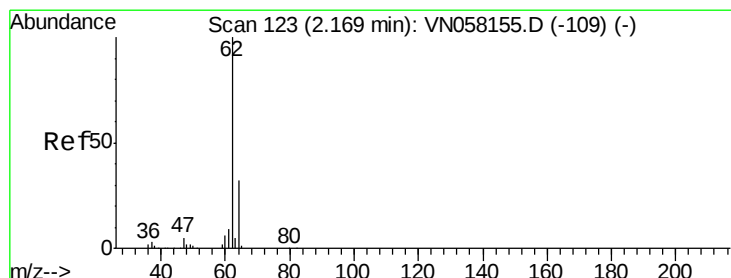
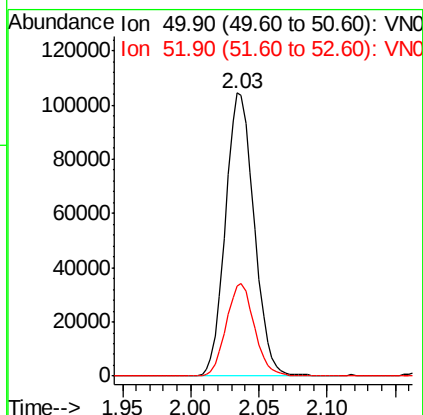
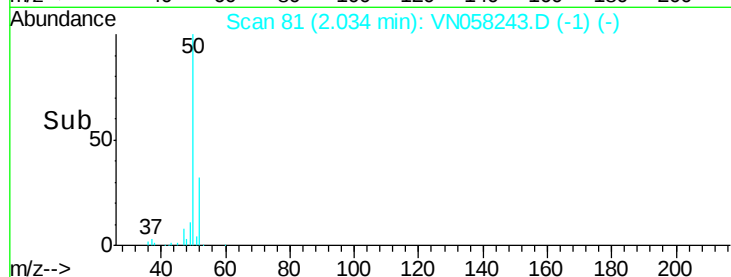
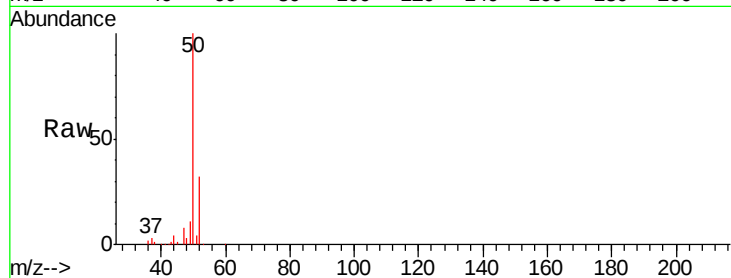
VSTDCCC050

Tgt Ion: 50 Resp: 152843

Ion Ratio Lower Upper

50 100

52 31.9 26.3 39.5



#4

Vinyl Chloride

Concen: 50.626 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058243.D

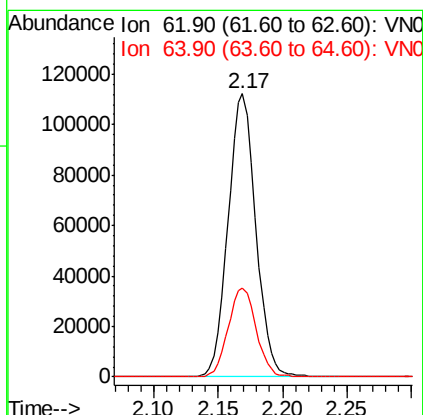
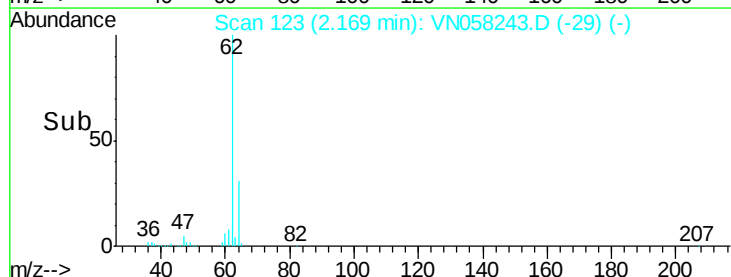
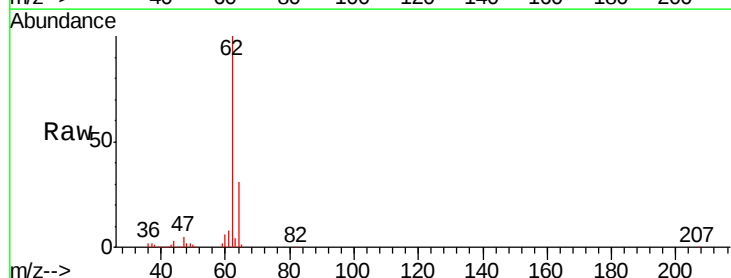
Acq: 20 Sep 2019 12:26

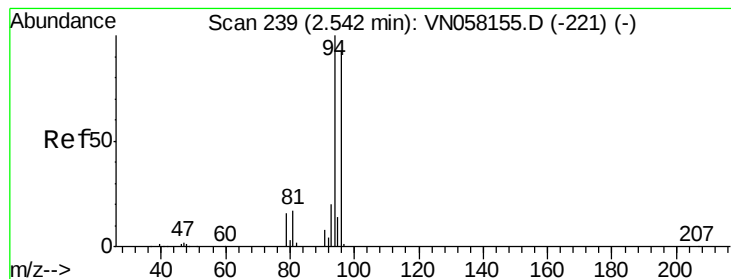
Tgt Ion: 62 Resp: 167867

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 51.236 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

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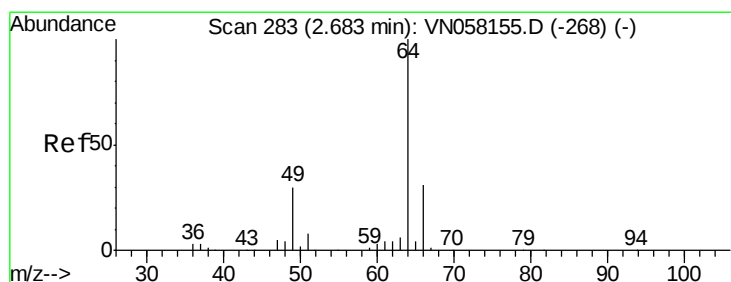
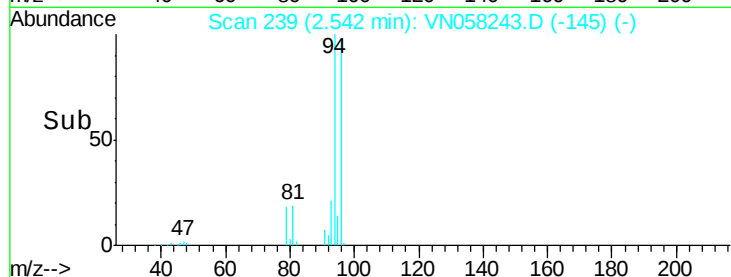
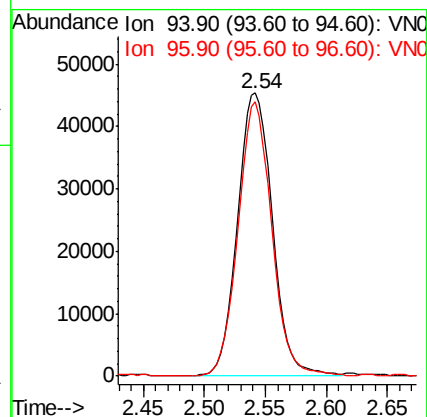
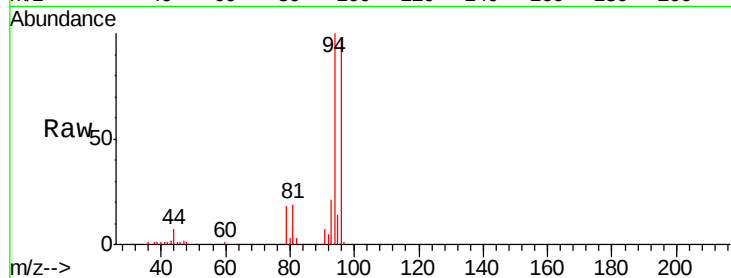
VSTDCCC050

Tgt Ion: 94 Resp: 89985

Ion Ratio Lower Upper

94 100

96 97.1 73.3 109.9



#6

Chloroethane

Concen: 53.646 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058243.D

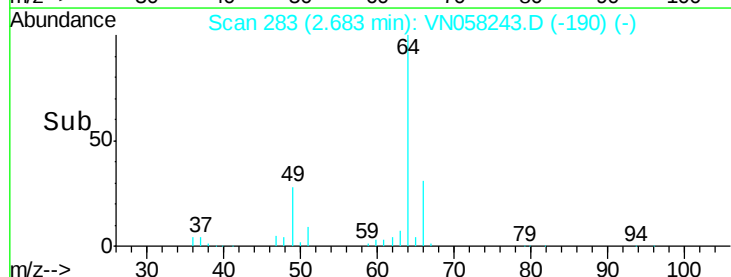
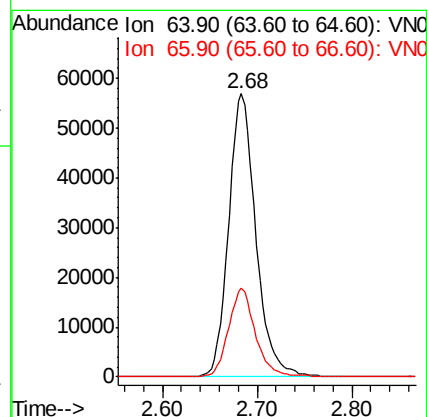
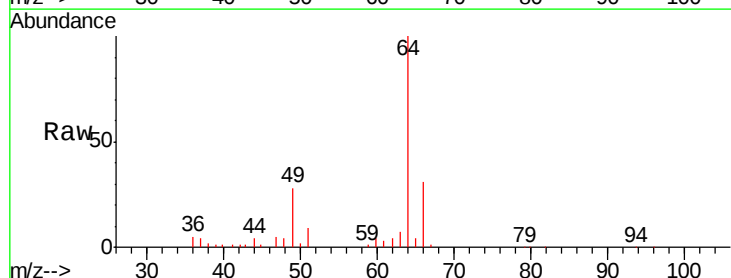
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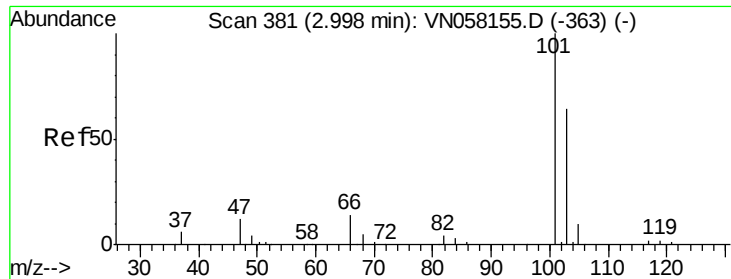
Tgt Ion: 64 Resp: 113700

Ion Ratio Lower Upper

64 100

66 31.5 24.6 37.0



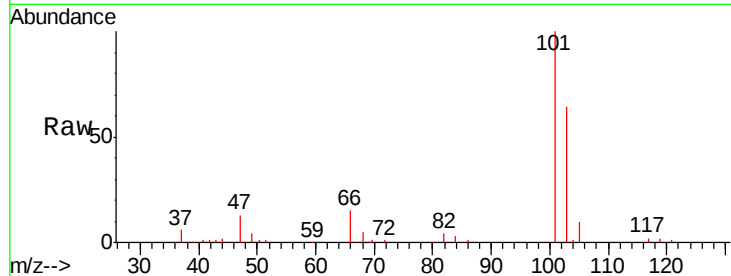


#7

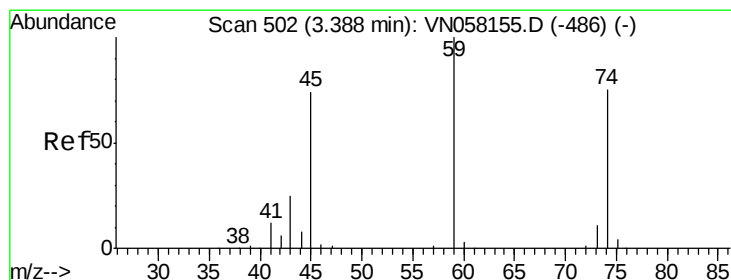
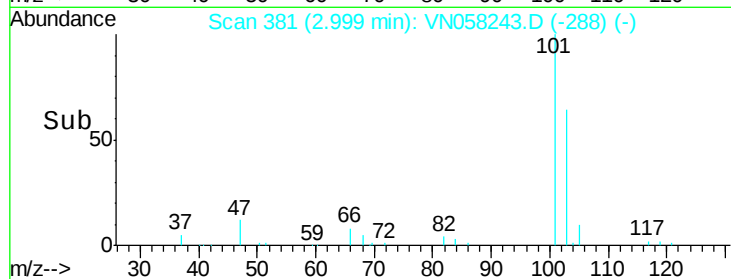
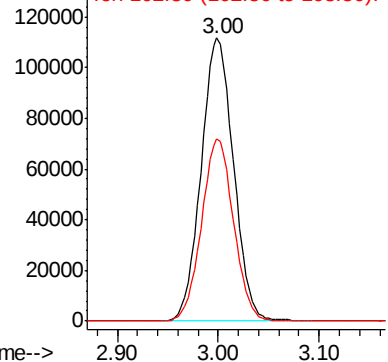
Trichlorofluoromethane
 Concen: 46.329 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058243.D
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Tgt Ion: 101 Resp: 248820
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6



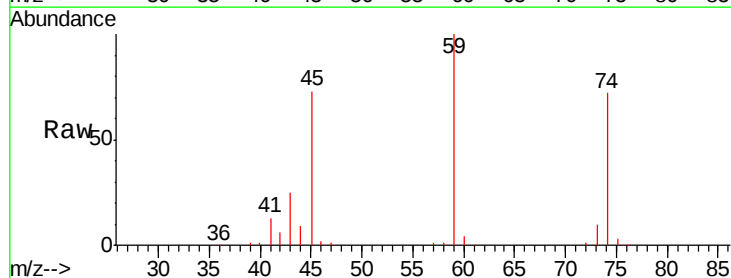
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



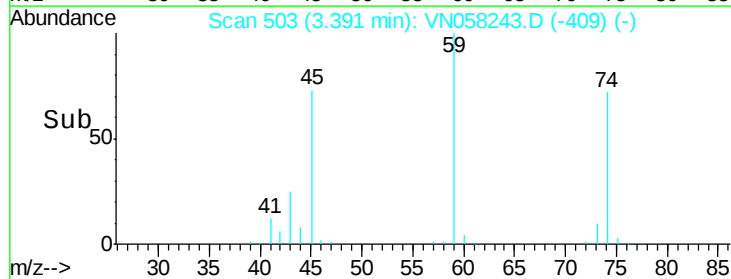
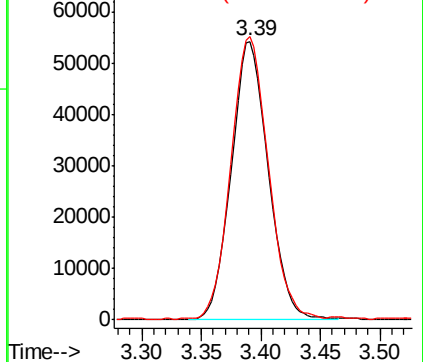
#8

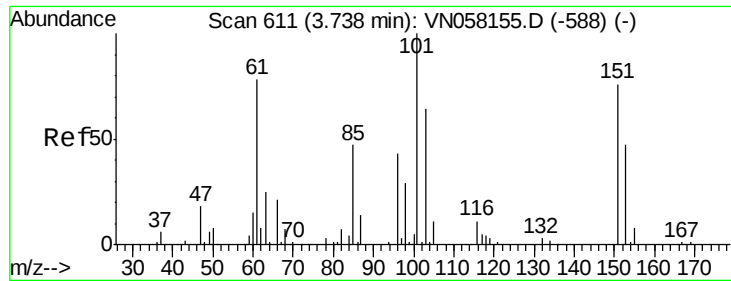
Diethyl Ether
 Concen: 47.396 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
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Tgt Ion: 74 Resp: 116635
 Ion Ratio Lower Upper
 74 100
 45 102.2 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO

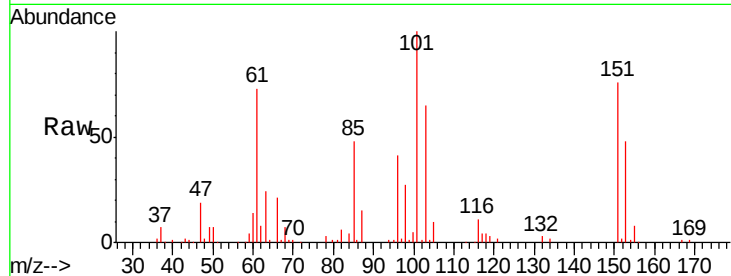




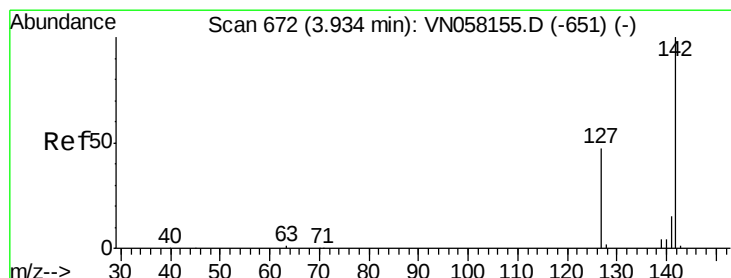
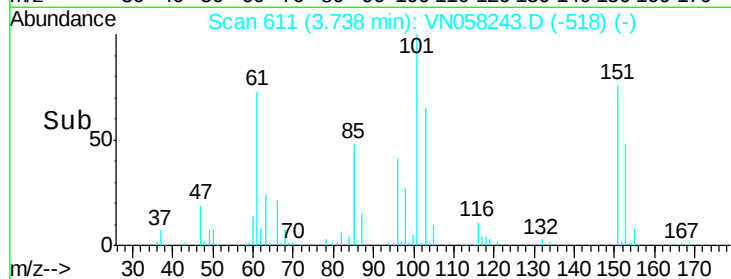
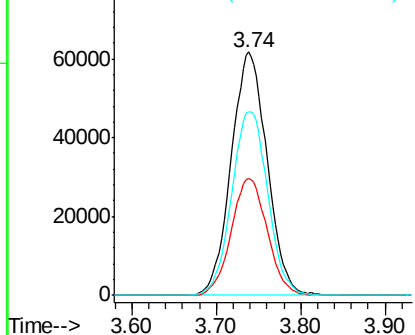
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.294 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 183135
 Ion Ratio Lower Upper
 101 100
 85 48.1 37.3 55.9
 151 75.9 59.6 89.4

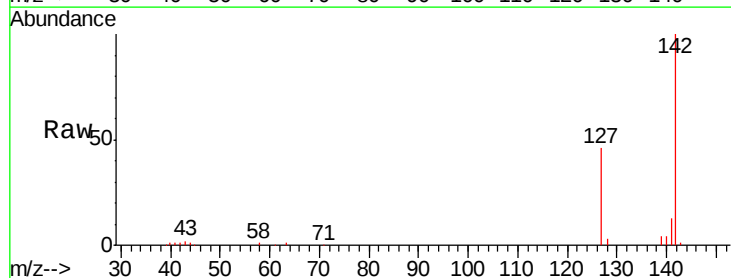


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

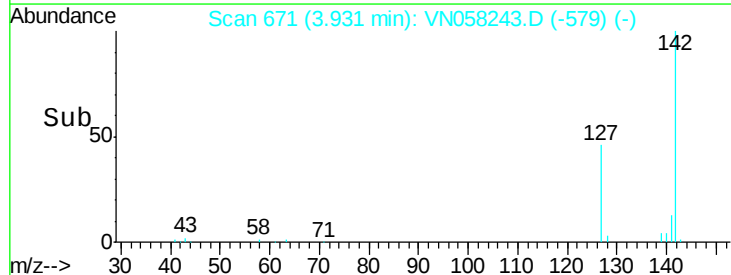
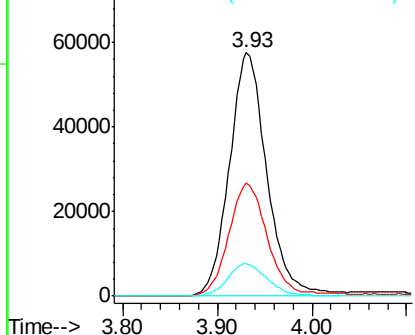


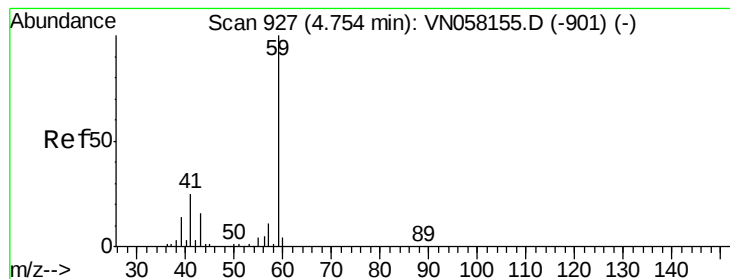
#10
 Methyl Iodide
 Concen: 48.769 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion:142 Resp: 158240
 Ion Ratio Lower Upper
 142 100
 127 47.9 37.5 56.3
 141 14.3 11.4 17.2



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



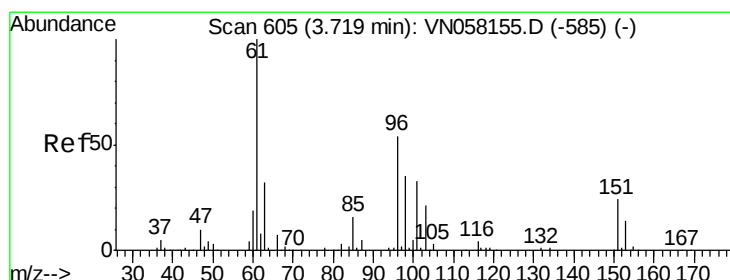
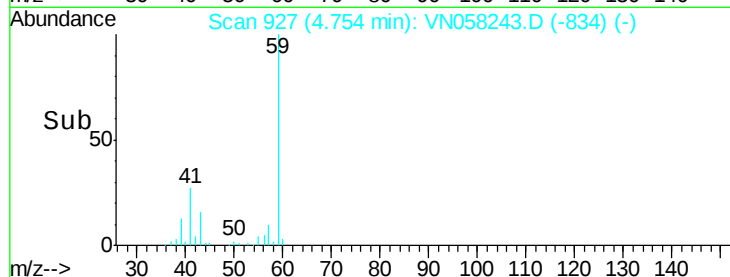
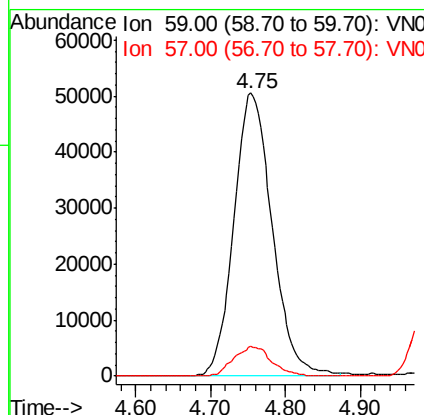
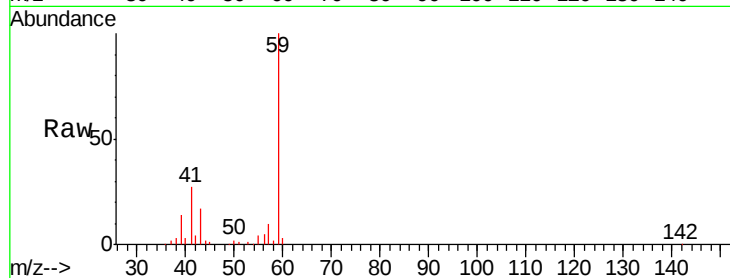


#11

Tert butyl alcohol
 Concen: 226.923 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

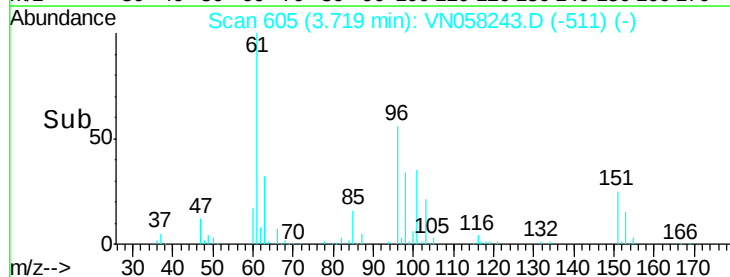
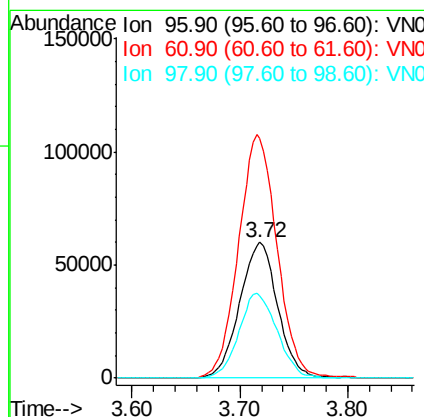
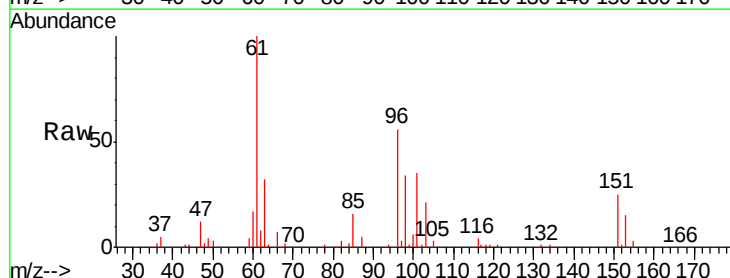
Tgt Ion: 59 Resp: 180079
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.6 13.0



#12

1,1-Dichloroethene
 Concen: 50.076 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion: 96 Resp: 147152
 Ion Ratio Lower Upper
 96 100
 61 177.1 149.5 224.3
 98 61.0 52.4 78.6





#13

Acrolein

Concen: 393.107 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

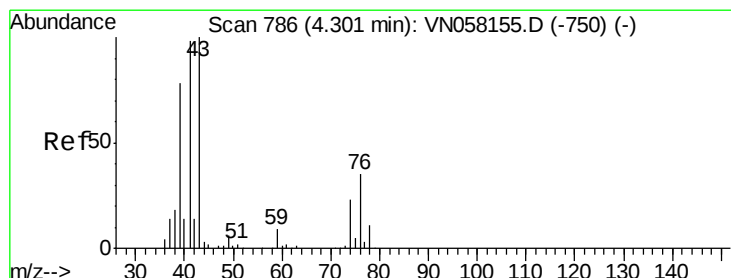
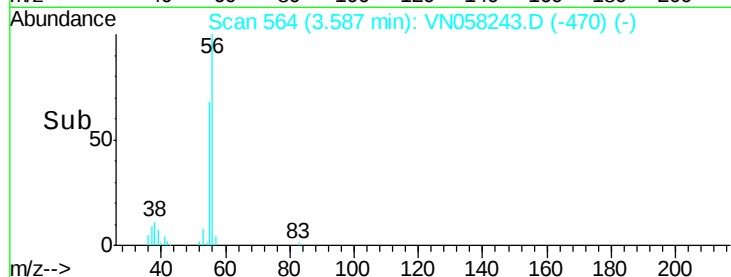
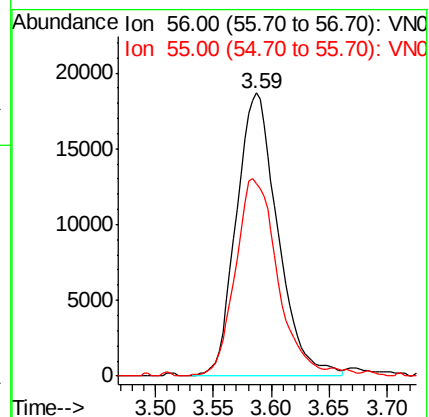
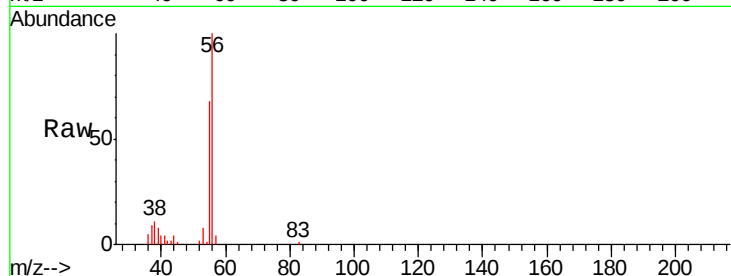
VSTDCCC050

Tgt Ion: 56 Resp: 46231

Ion Ratio Lower Upper

56 100

55 70.9 56.1 84.1



#14

Allyl chloride

Concen: 48.426 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

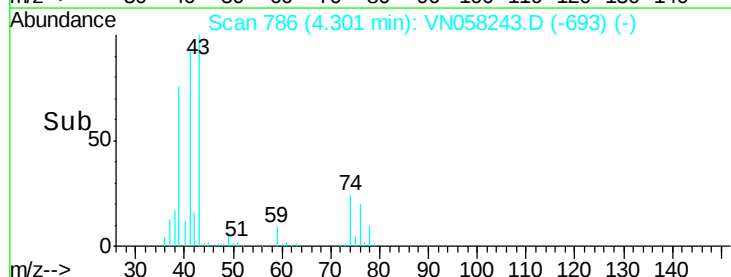
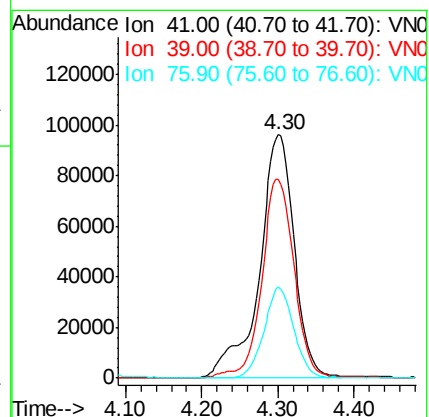
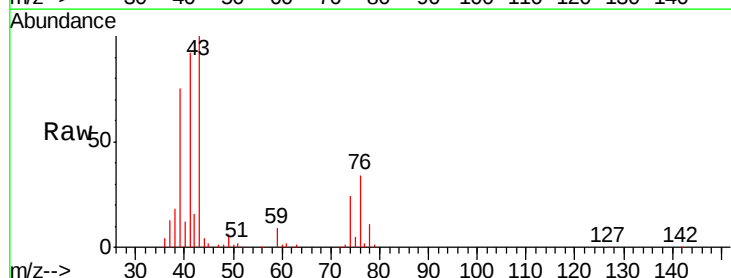
Tgt Ion: 41 Resp: 306843

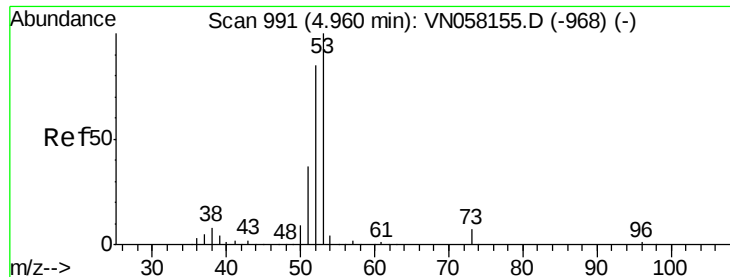
Ion Ratio Lower Upper

41 100

39 75.1 59.1 88.7

76 31.6 25.1 37.7





#15

Acrylonitrile

Concen: 263.660 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

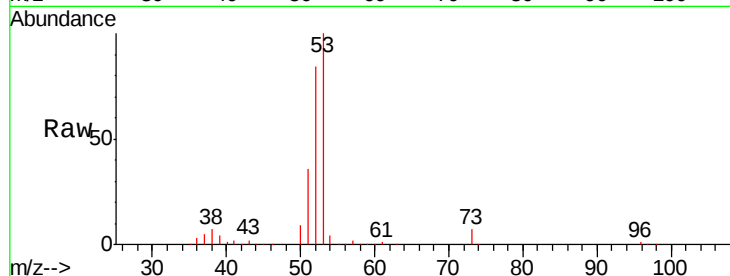
Tgt Ion: 53 Resp: 557456

Ion Ratio Lower Upper

53 100

52 84.6 66.6 100.0

51 37.2 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN058155.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058155.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058155.D (-968) (-)

4.96

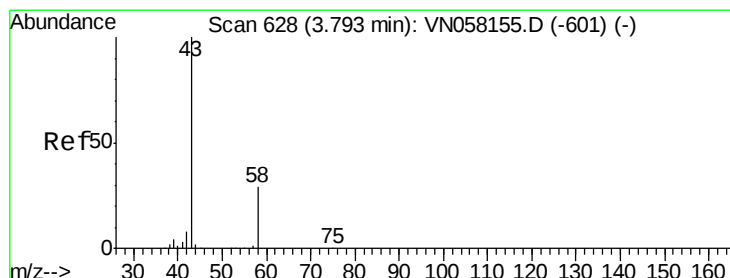
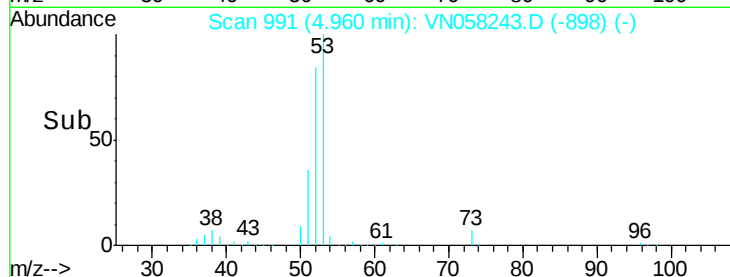
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 235.227 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058243.D

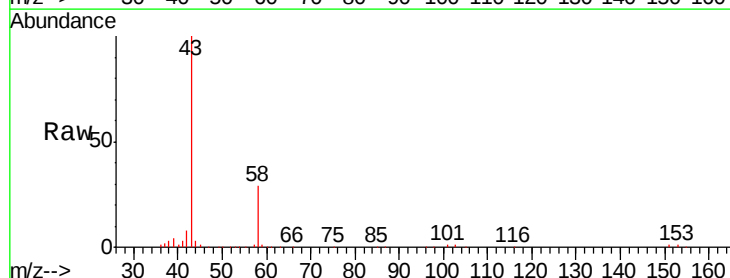
Acq: 20 Sep 2019 12:26

Tgt Ion: 43 Resp: 532674

Ion Ratio Lower Upper

43 100

58 29.2 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN058155.D (-601) (-)

3.79

200000

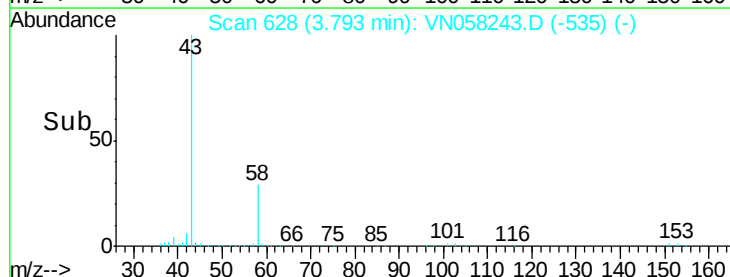
150000

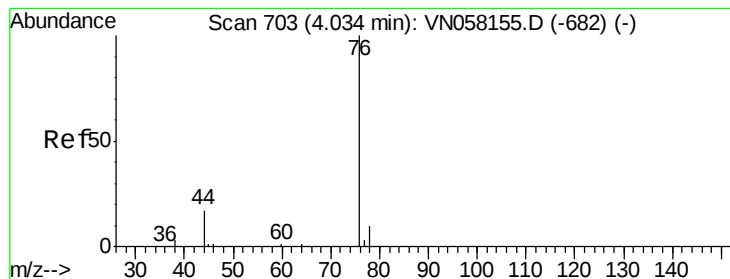
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 45.046 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

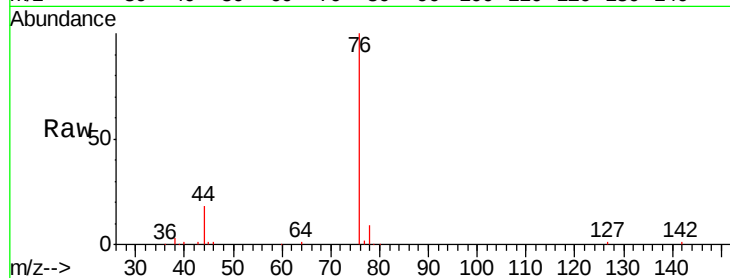
VSTDCCC050

Tgt Ion: 76 Resp: 186216

Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

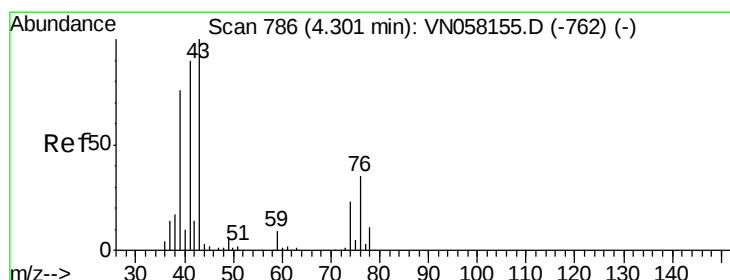
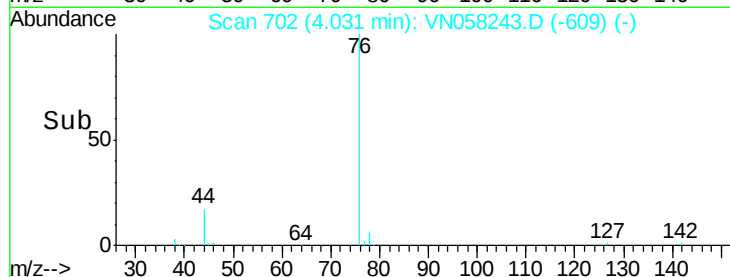
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 50.167 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058243.D

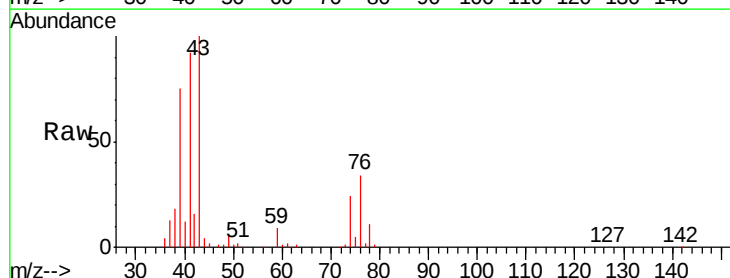
Acq: 20 Sep 2019 12:26

Tgt Ion: 43 Resp: 298932

Ion Ratio Lower Upper

43 100

74 22.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

120000

100000

80000

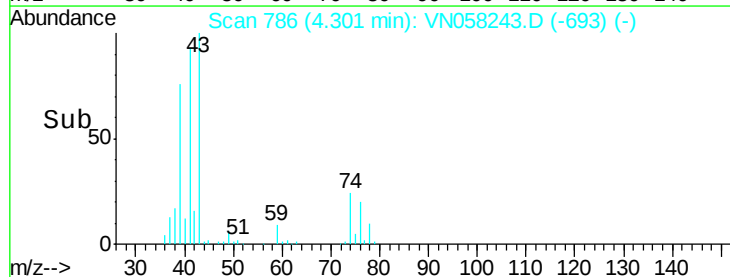
60000

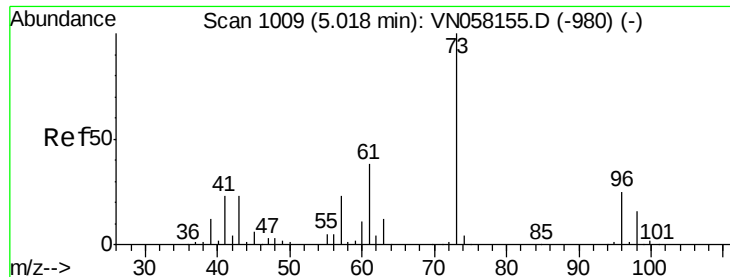
40000

20000

0

Time--> 4.20 4.30 4.40

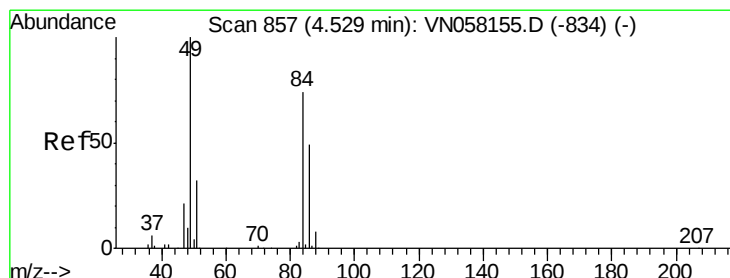
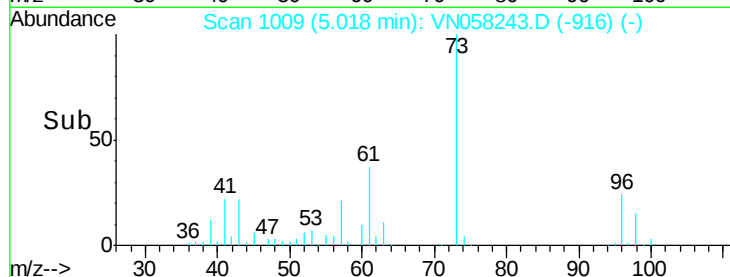
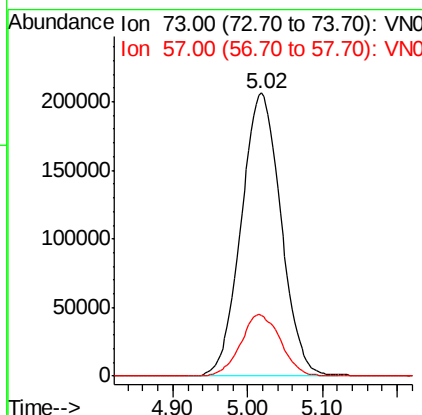
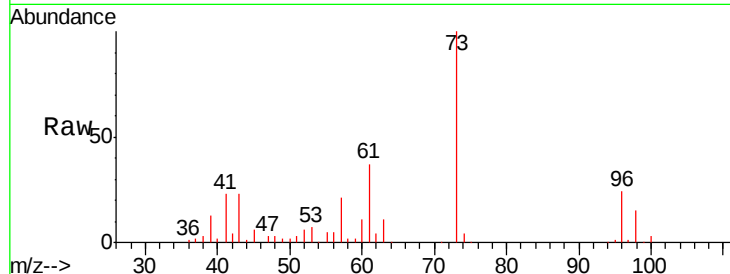




#19
Methyl tert-butyl Ether
Concen: 52.130 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

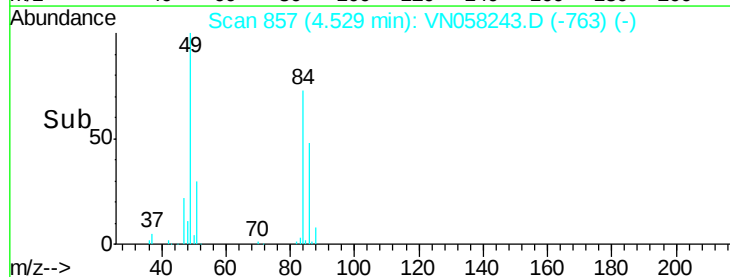
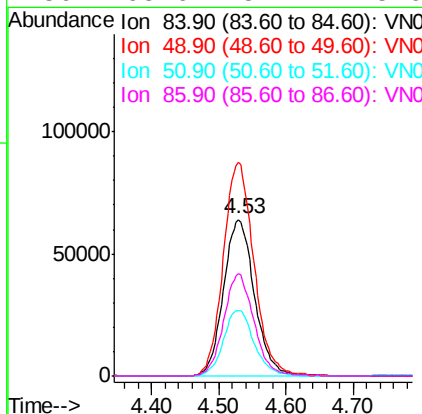
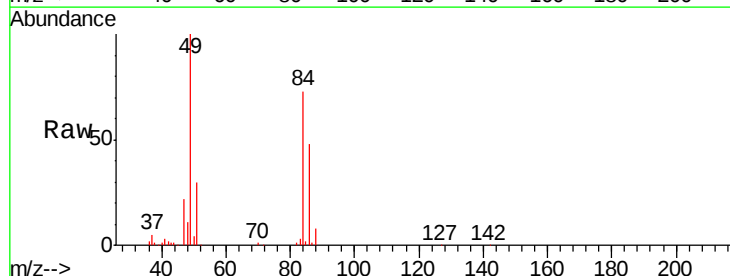
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

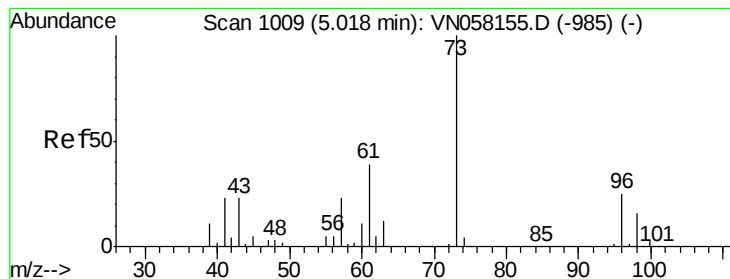
Tgt Ion: 73 Resp: 761355
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1



#20
Methylene Chloride
Concen: 51.606 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion: 84 Resp: 204574
Ion Ratio Lower Upper
84 100
49 136.5 107.5 161.3
51 41.6 33.9 50.9
86 65.6 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 49.454 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

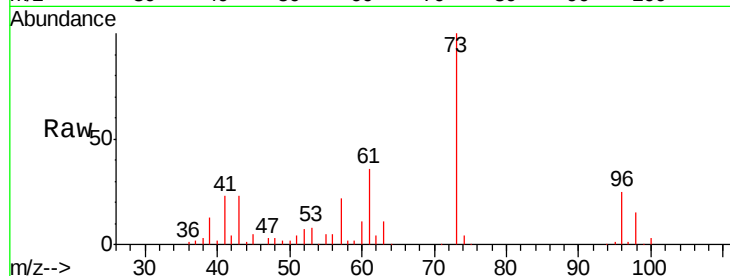
Tgt Ion: 96 Resp: 158374

Ion Ratio Lower Upper

96 100

61 147.3 122.2 183.4

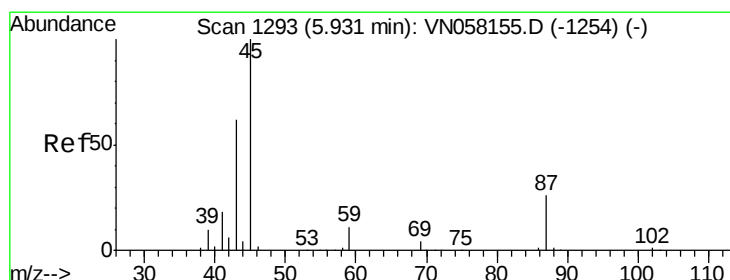
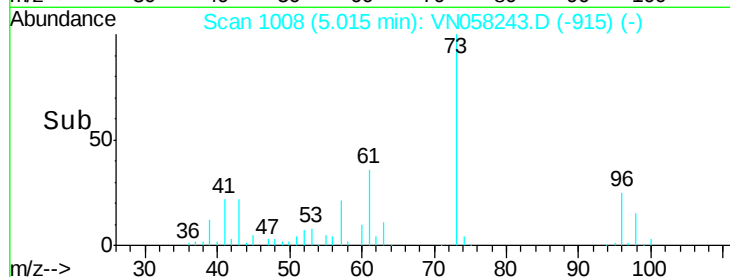
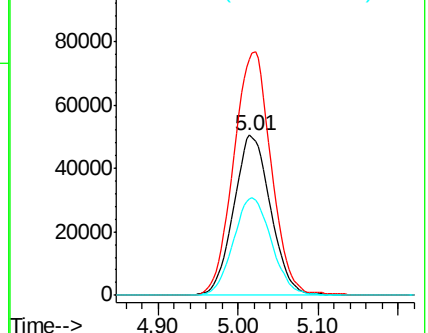
98 60.4 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN058155.D (-985) (-)

Ion 60.90 (60.60 to 61.60): VN058155.D (-985) (-)

Ion 97.90 (97.60 to 98.60): VN058155.D (-985) (-)



#22

Diisopropyl ether

Concen: 51.288 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Tgt Ion: 45 Resp: 825502

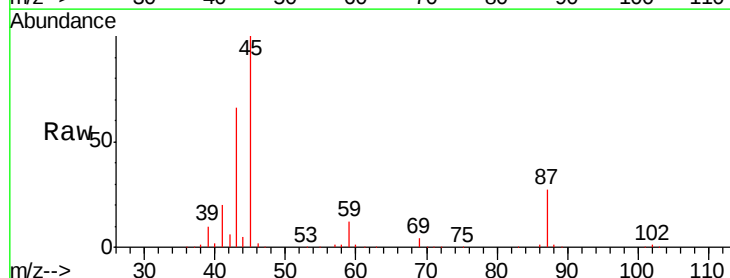
Ion Ratio Lower Upper

45 100

43 65.1 49.7 74.5

87 26.5 20.7 31.1

59 11.7 9.1 13.7

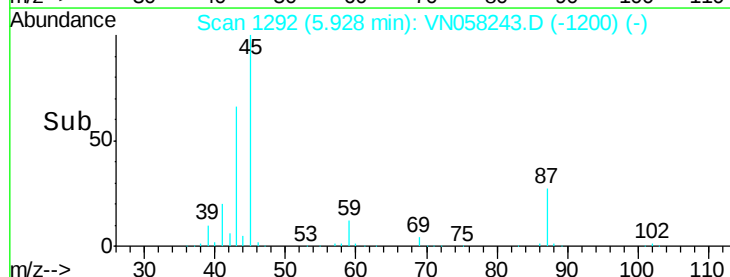
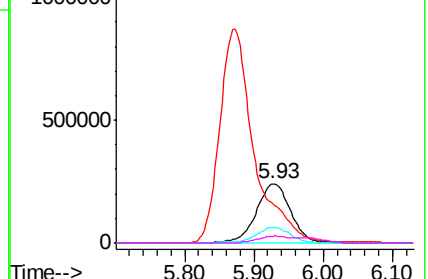


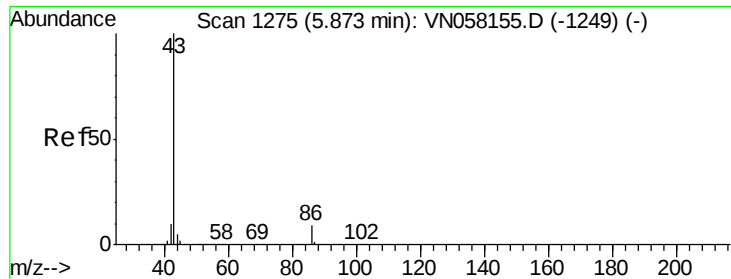
Abundance Ion 45.00 (44.70 to 45.70): VN058155.D (-1254) (-)

Ion 43.00 (42.70 to 43.70): VN058155.D (-1254) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1254) (-)

Ion 59.00 (58.70 to 59.70): VN058155.D (-1254) (-)





#23

Vinyl Acetate

Concen: 274.174 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

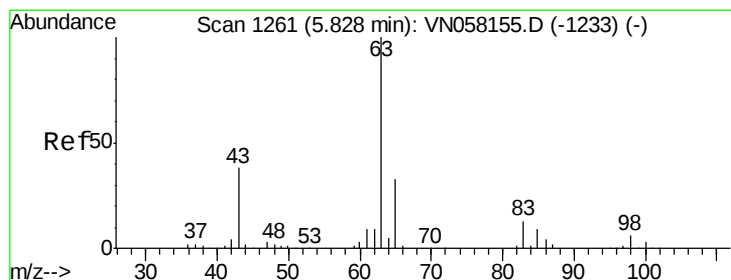
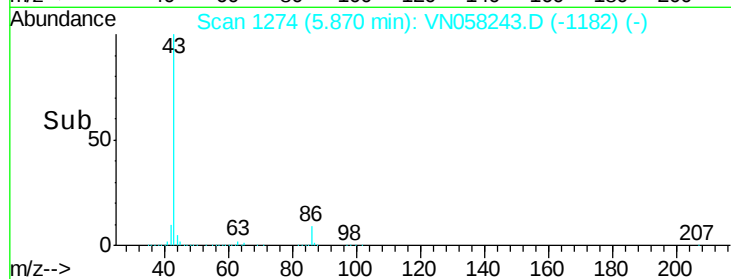
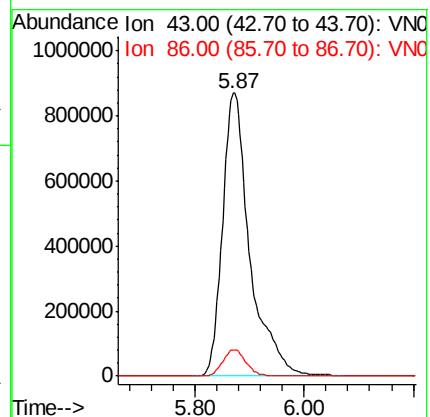
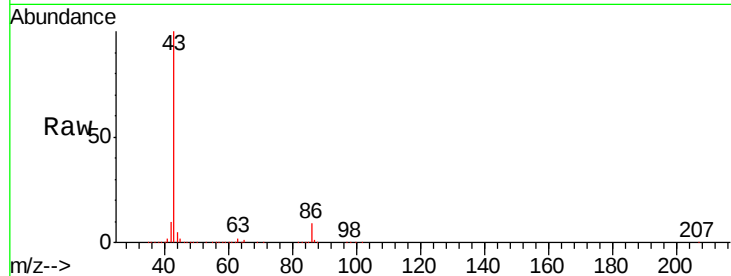
VSTDCCC050

Tgt Ion: 43 Resp: 3019598

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.2



#24

1,1-Dichloroethane

Concen: 50.036 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

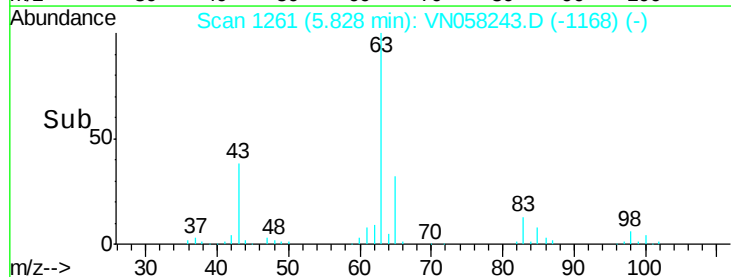
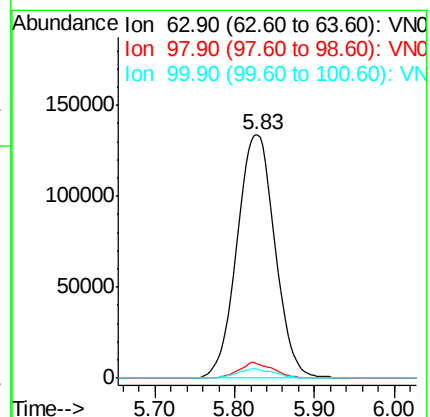
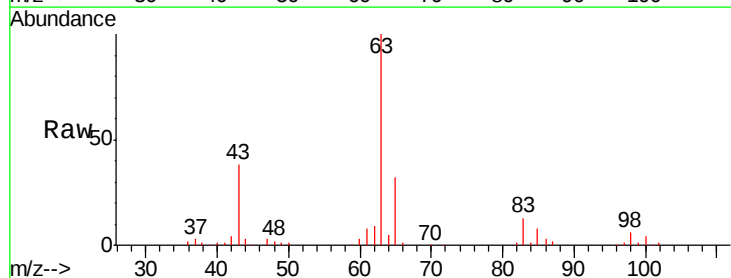
Tgt Ion: 63 Resp: 429831

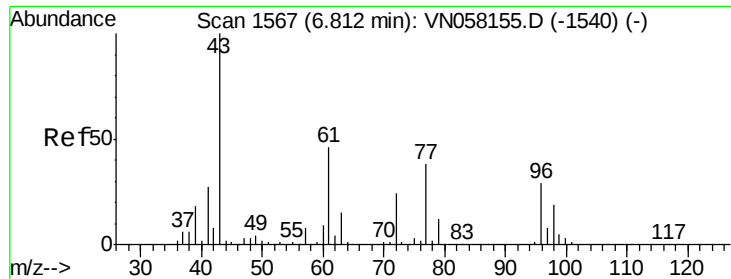
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.6 1.8 5.3





#25

2-Butanone

Concen: 261.136 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

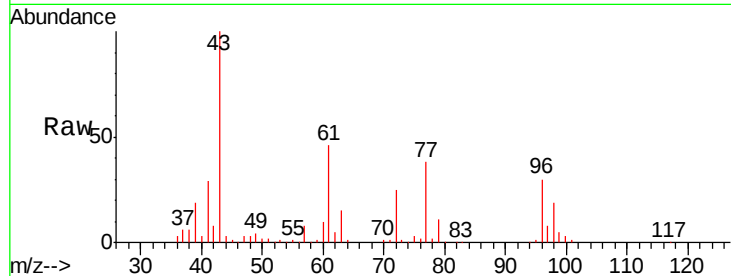
VSTDCCC050

Tgt Ion: 43 Resp: 805638

Ion Ratio Lower Upper

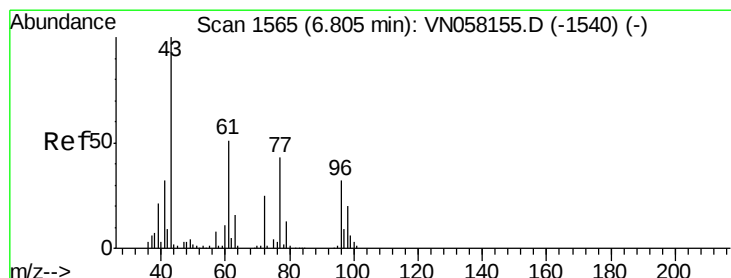
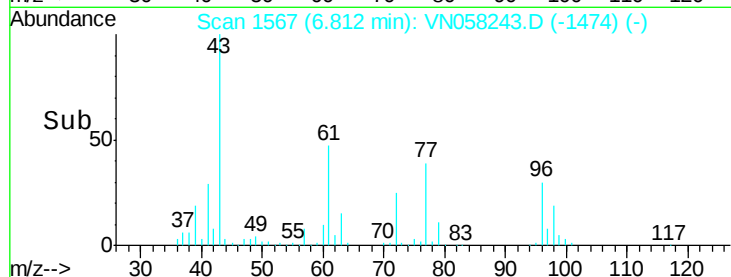
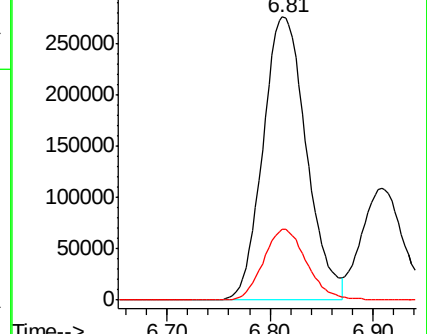
43 100

72 24.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.107 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058243.D

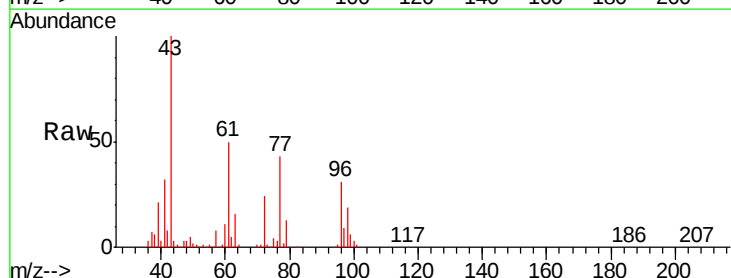
Acq: 20 Sep 2019 12:26

Tgt Ion: 77 Resp: 357881

Ion Ratio Lower Upper

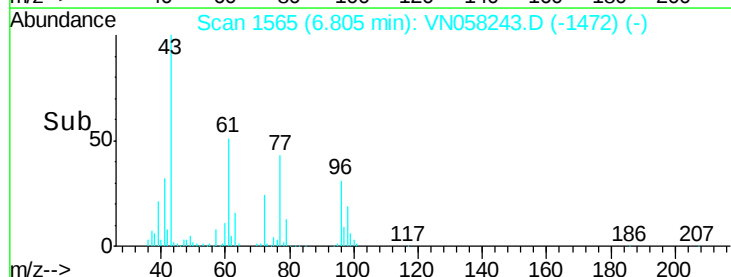
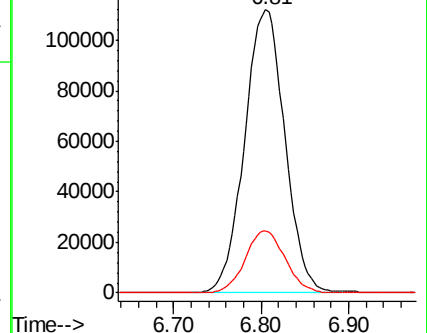
77 100

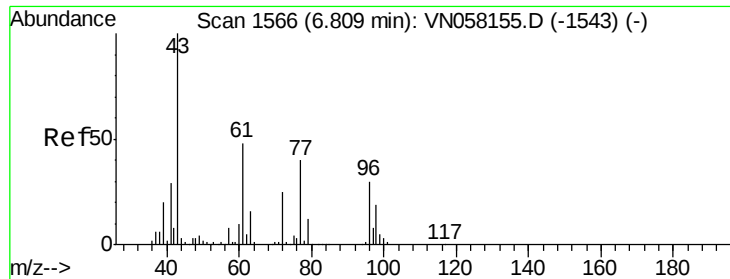
97 21.9 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

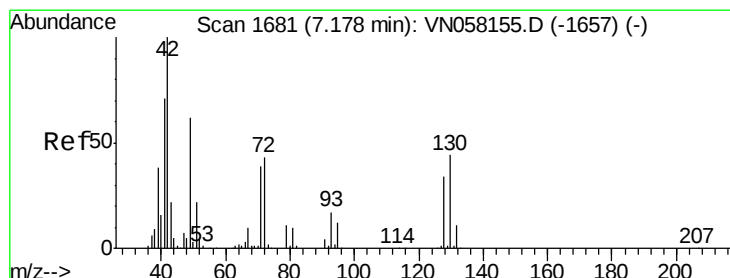
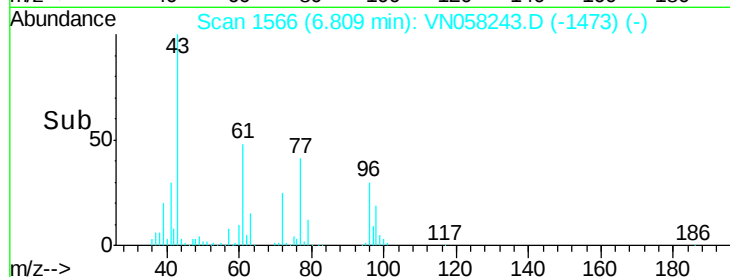
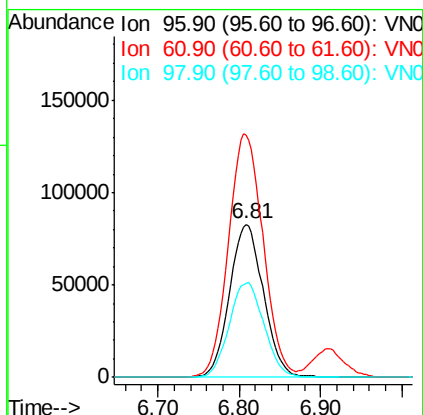
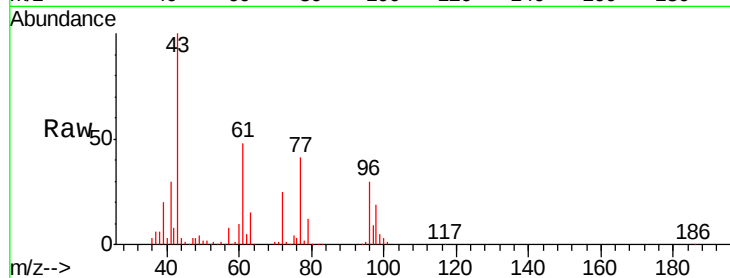




#27
 cis-1,2-Dichloroethene
 Concen: 49.441 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

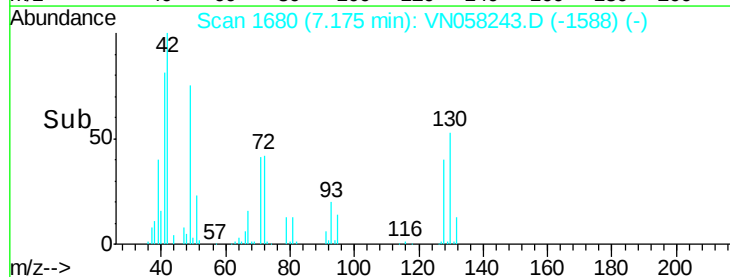
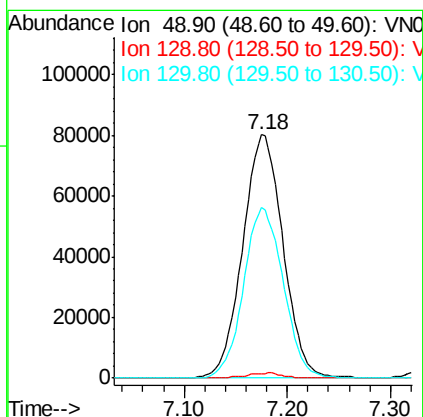
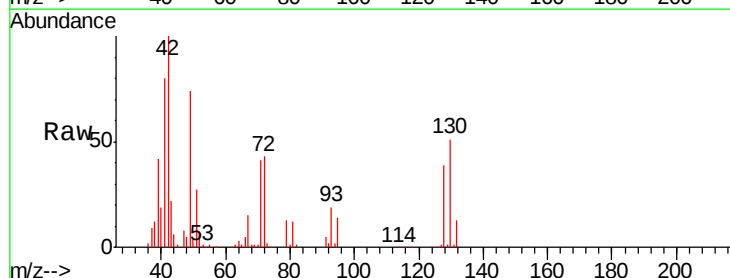
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

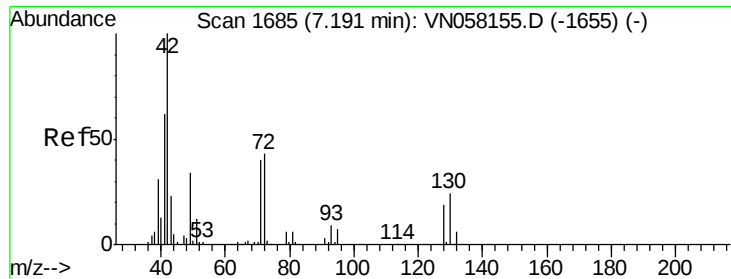
Tgt Ion: 96 Resp: 240150
 Ion Ratio Lower Upper
 96 100
 61 162.6 0.0 319.0
 98 63.5 0.0 126.6



#28
 Bromochloromethane
 Concen: 53.605 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion: 49 Resp: 217842
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 1.8
 130 69.0 55.4 83.2

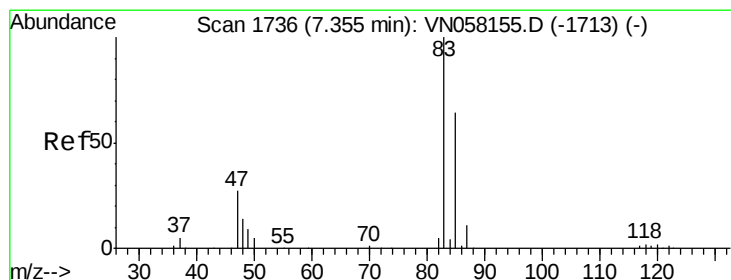
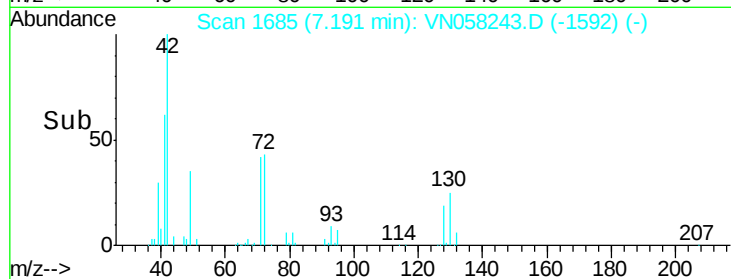
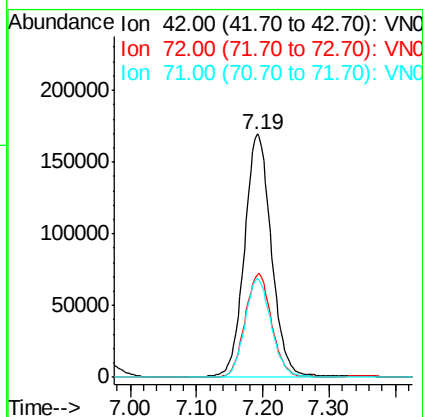
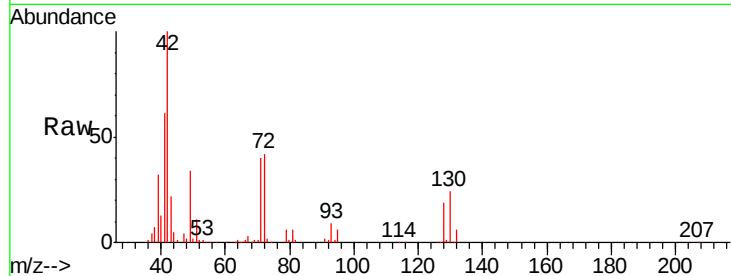




#29
Tetrahydrofuran
Concen: 251.071 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

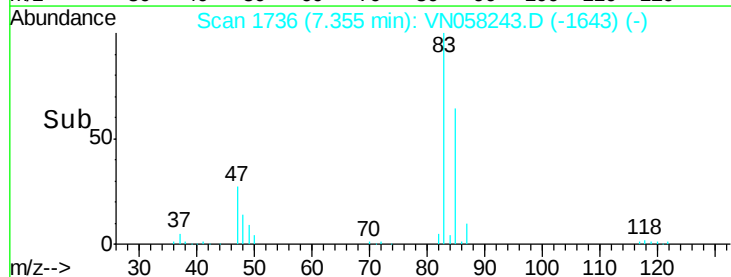
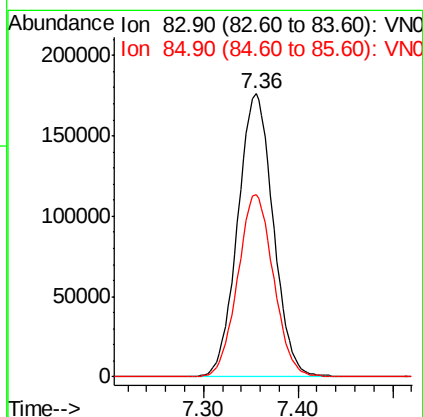
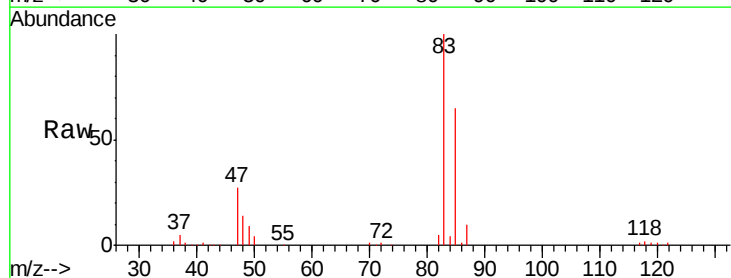
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

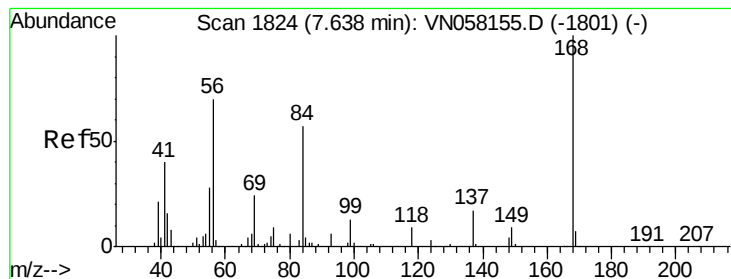
Tgt Ion: 42 Resp: 477125
Ion Ratio Lower Upper
42 100
72 42.2 33.8 50.6
71 39.9 31.4 47.0



#30
Chloroform
Concen: 49.758 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion: 83 Resp: 460102
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.2





#31

Cyclohexane

Concen: 49.889 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

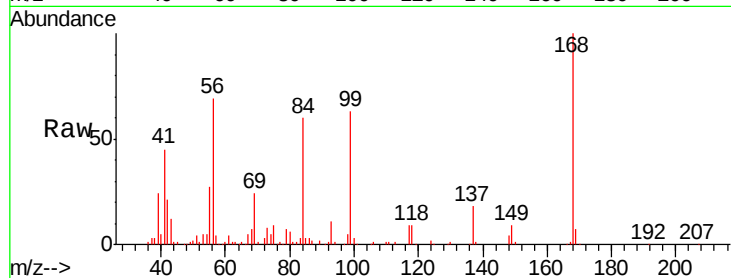
Tgt Ion: 56 Resp: 277058

Ion Ratio Lower Upper

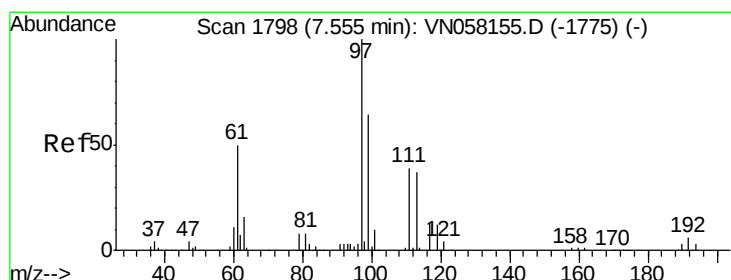
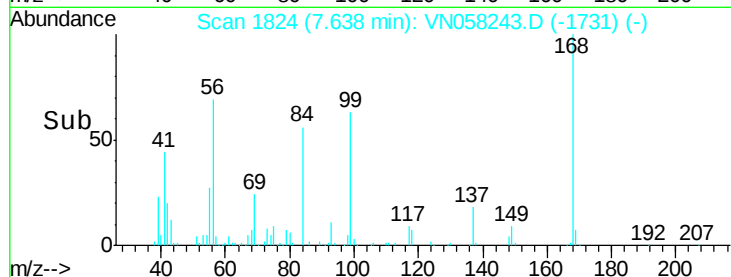
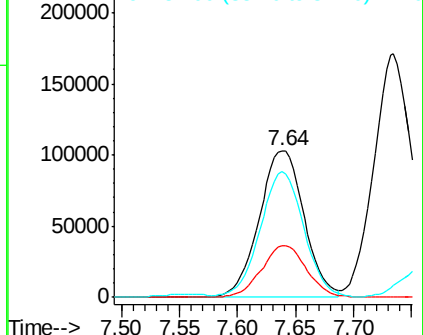
56 100

69 34.9 27.3 40.9

84 83.9 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 50.658 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

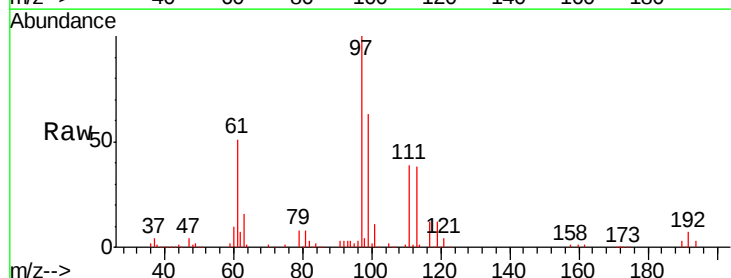
Tgt Ion: 97 Resp: 356601

Ion Ratio Lower Upper

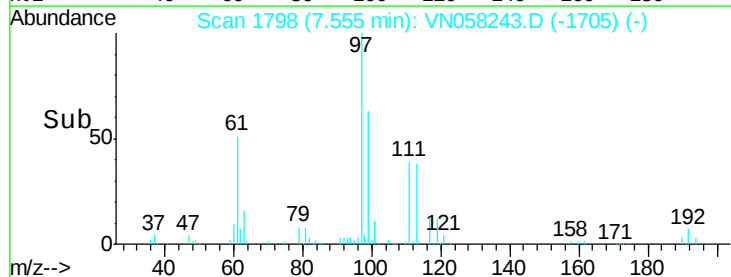
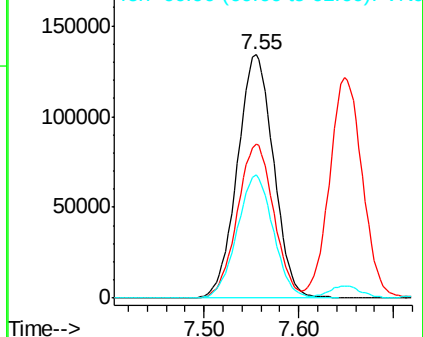
97 100

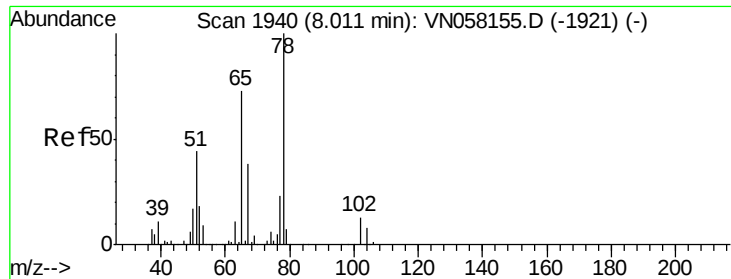
99 63.8 50.9 76.3

61 50.5 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 53.965 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

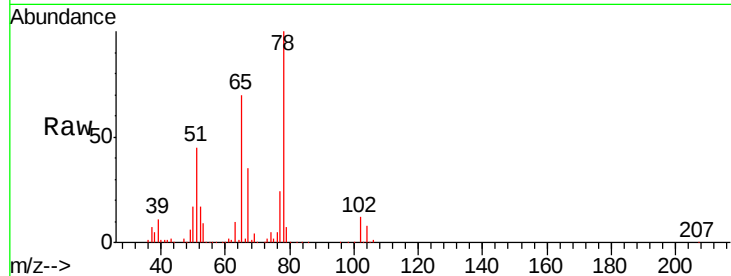
VSTDCCC050

Tgt Ion: 65 Resp: 360019

Ion Ratio Lower Upper

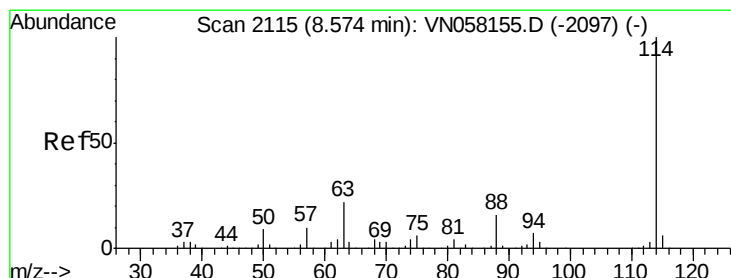
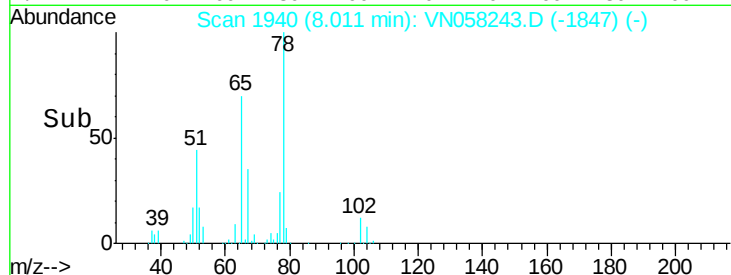
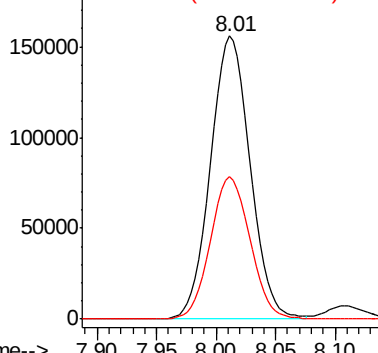
65 100

67 50.3 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

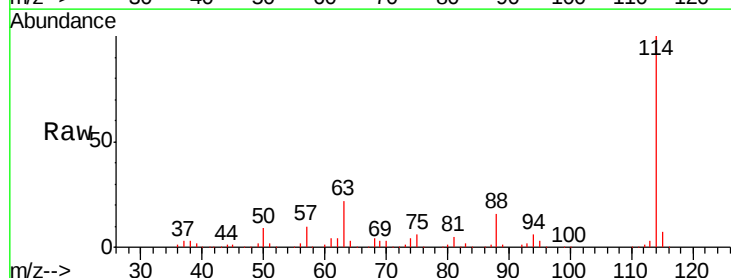
Tgt Ion: 114 Resp: 806513

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

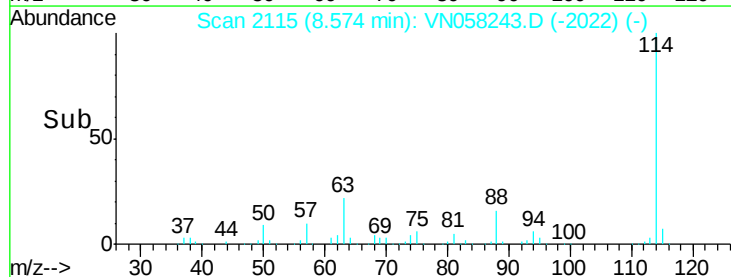
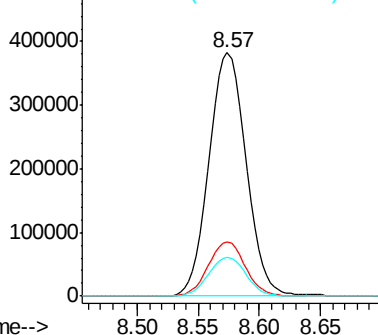
88 15.9 0.0 31.6

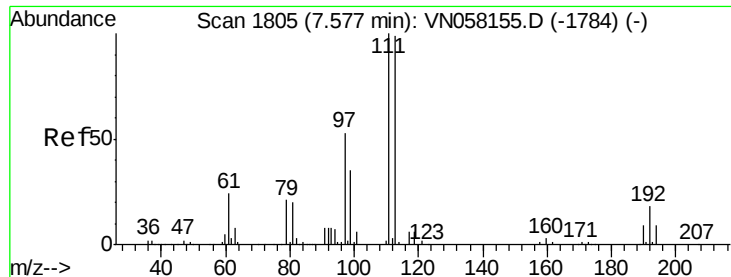


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

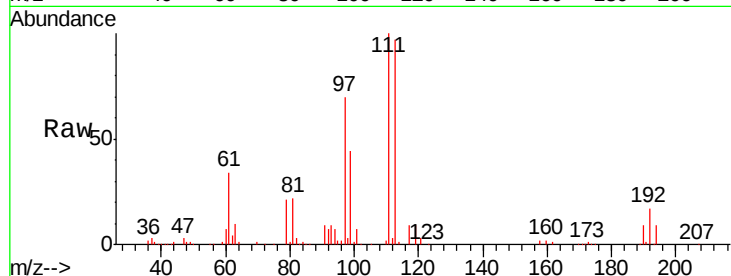




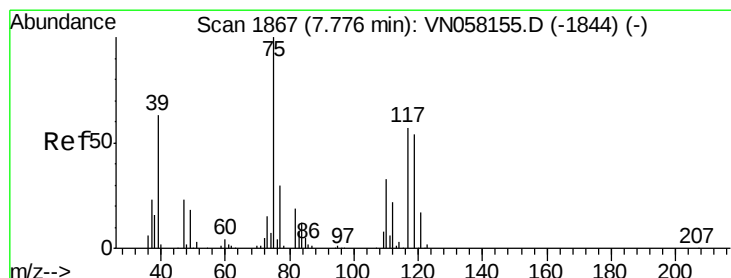
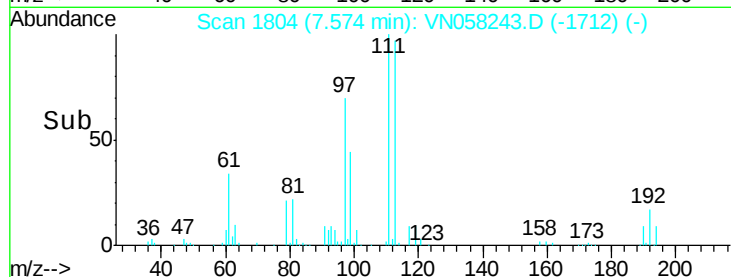
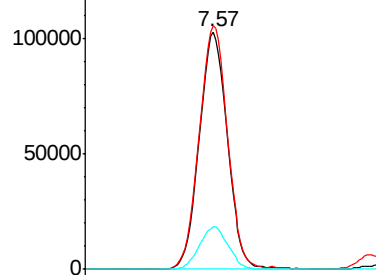
#35
 Dibromofluoromethane
 Concen: 52.151 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	18.3	14.5	21.7

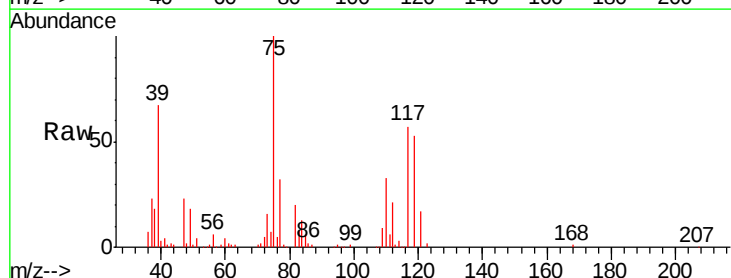


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

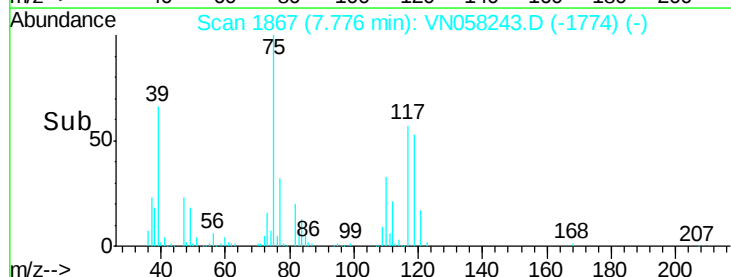
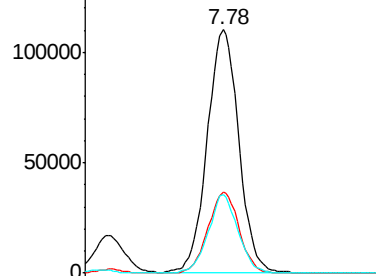


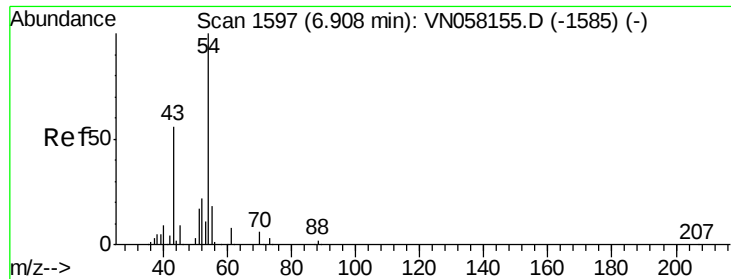
#36
 1,1-Dichloropropene
 Concen: 46.483 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.6	49.7
77	30.6	24.3	36.5



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: 52.224 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

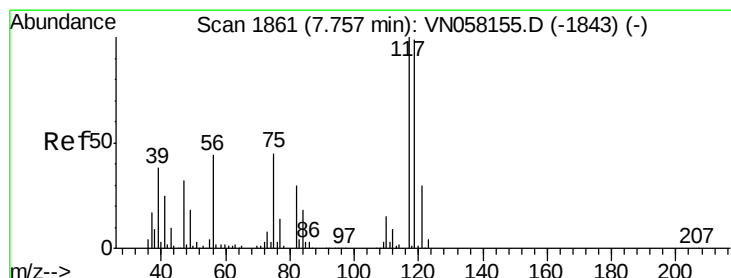
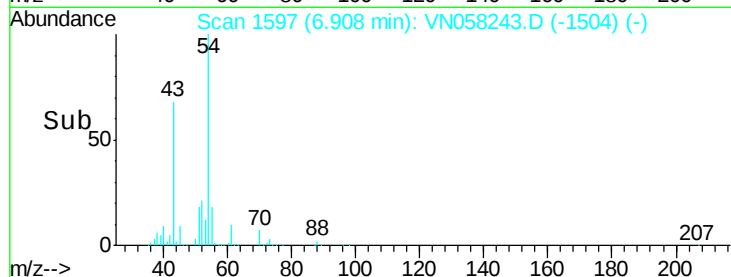
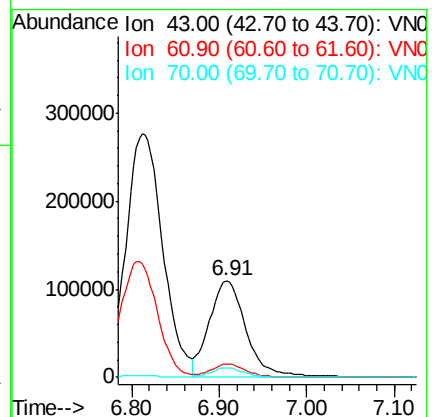
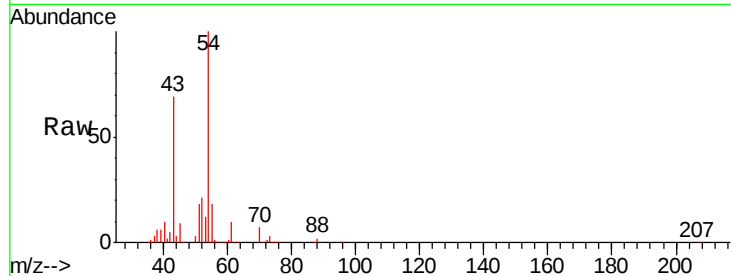
Tgt Ion: 43 Resp: 315216

Ion Ratio Lower Upper

43 100

61 13.1 10.7 16.1

70 9.2 7.6 11.4



#38

Carbon Tetrachloride

Concen: 48.469 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

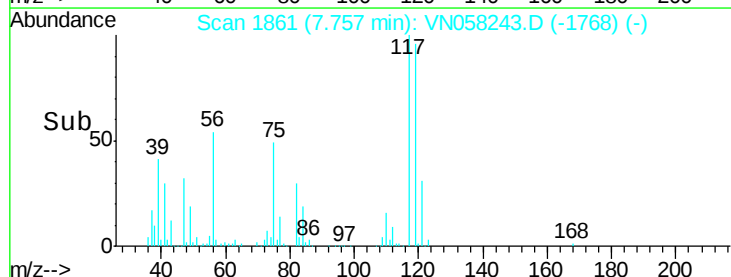
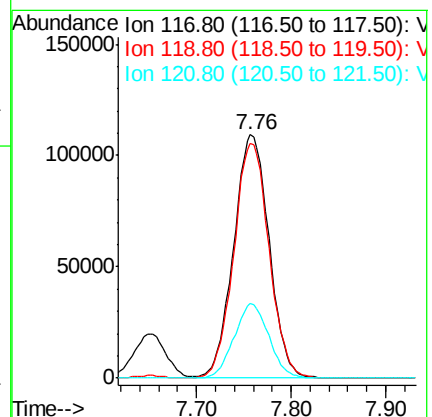
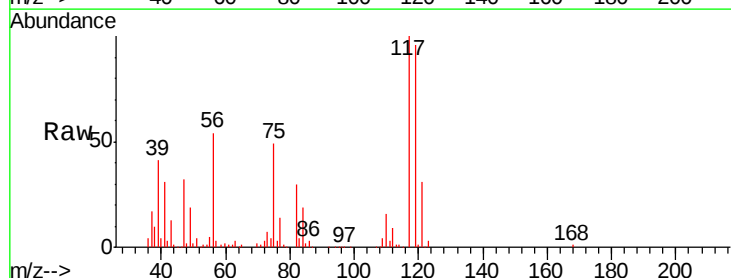
Tgt Ion: 117 Resp: 283378

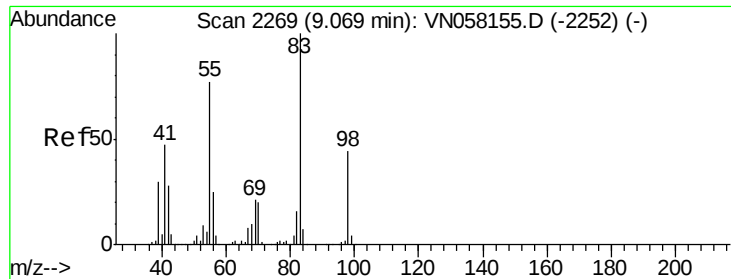
Ion Ratio Lower Upper

117 100

119 96.1 78.6 117.8

121 30.7 24.1 36.1

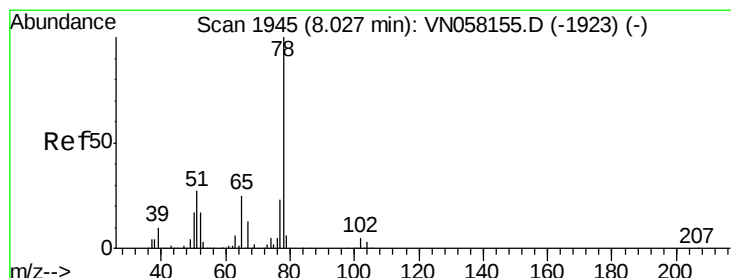
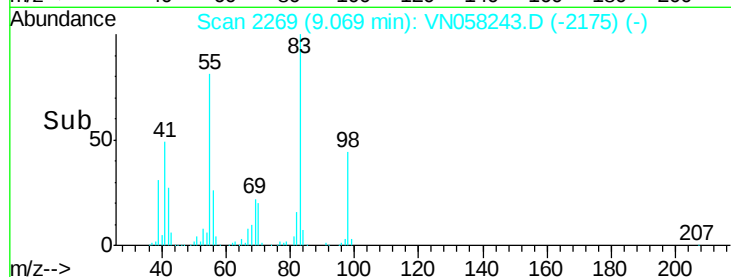
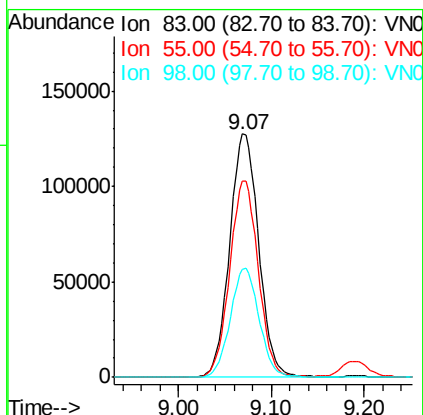
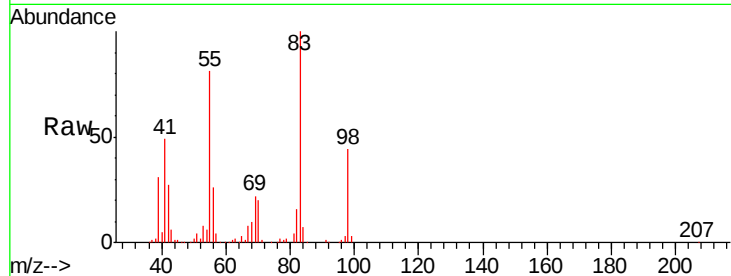




#39
Methylcyclohexane
Concen: 49.353 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

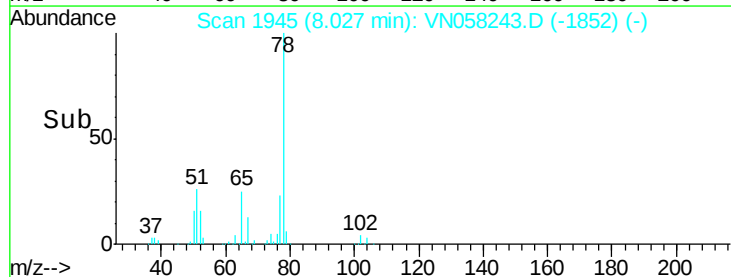
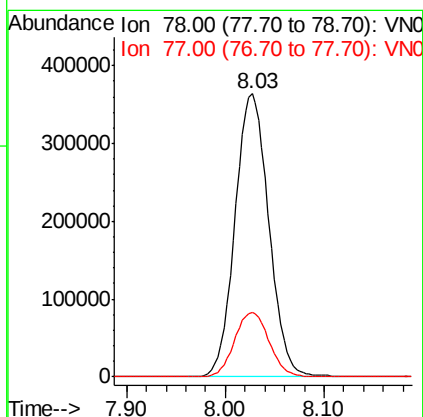
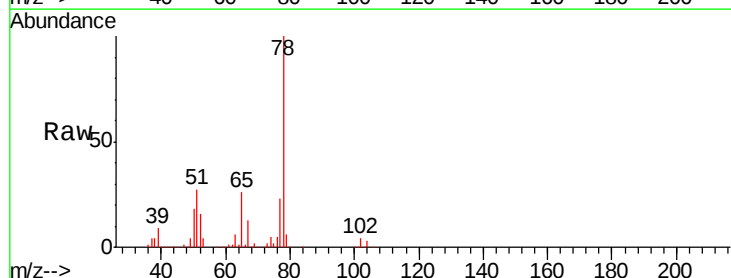
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

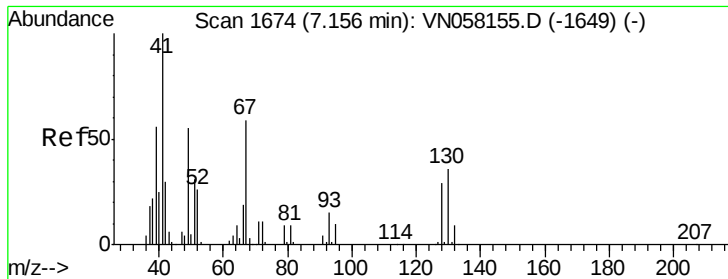
Tgt Ion: 83 Resp: 277531
Ion Ratio Lower Upper
83 100
55 80.6 61.9 92.9
98 44.5 35.4 53.2



#40
Benzene
Concen: 48.719 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion: 78 Resp: 865476
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2





#41

Methacrylonitrile

Concen: 48.798 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 148313

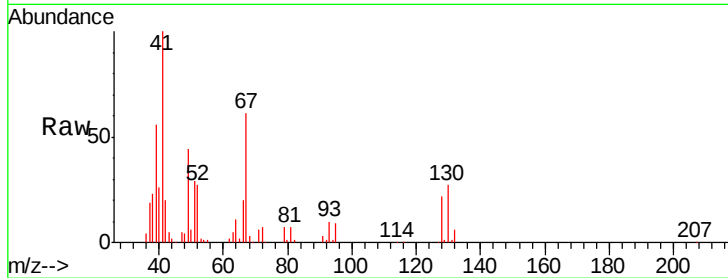
Ion Ratio Lower Upper

41 100

39 58.0 0.0 0.0#

67 88.3 0.0 0.0#

52 39.5 0.0 0.0#



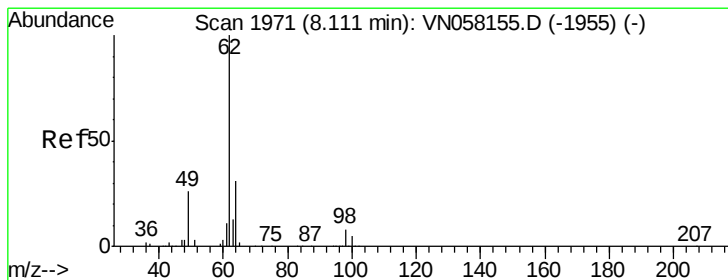
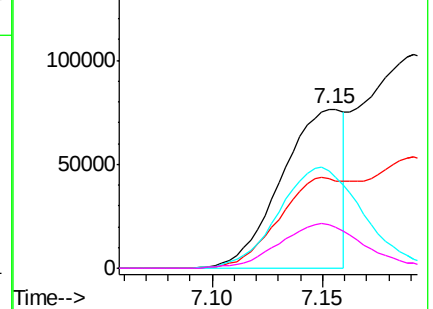
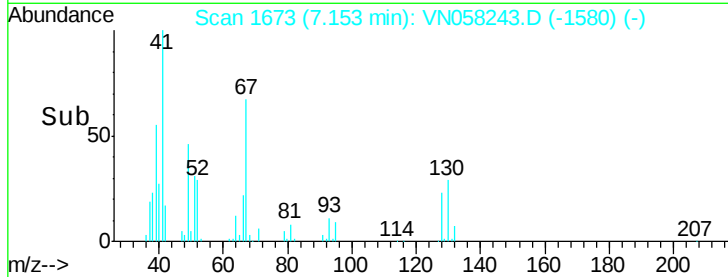
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 49.535 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058243.D

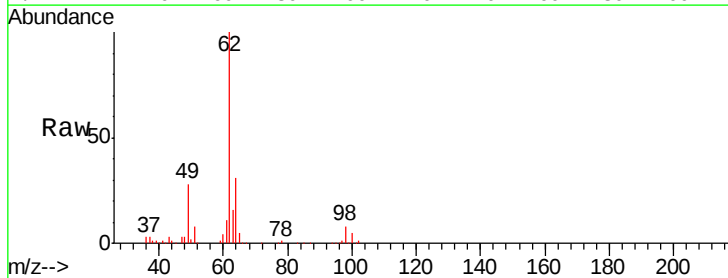
Acq: 20 Sep 2019 12:26

Tgt Ion: 62 Resp: 369239

Ion Ratio Lower Upper

62 100

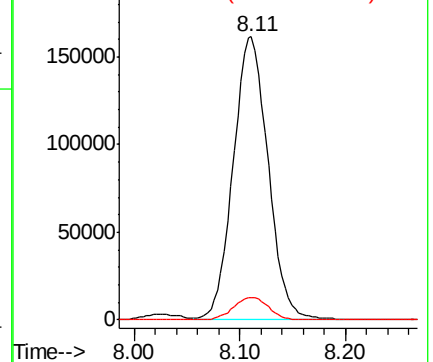
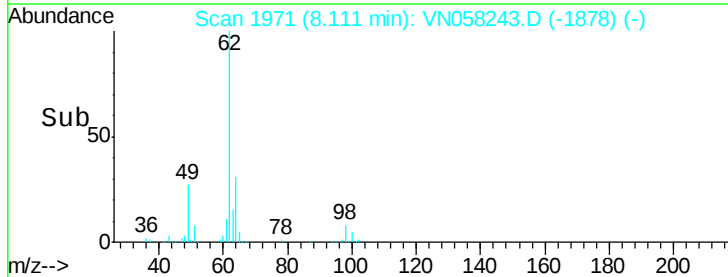
98 8.0 0.0 15.6

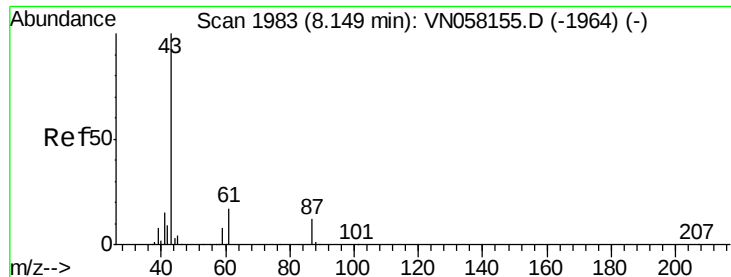


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 49.468 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

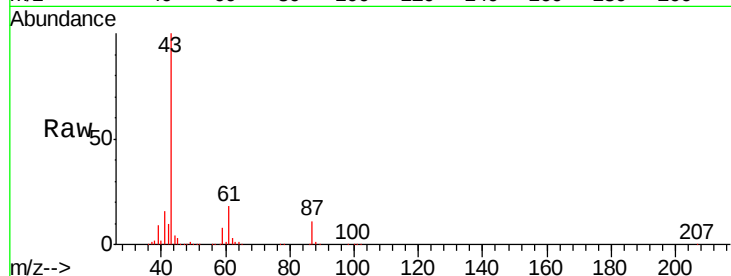
Tgt Ion: 43 Resp: 557639

Ion Ratio Lower Upper

43 100

61 24.5 19.7 29.5

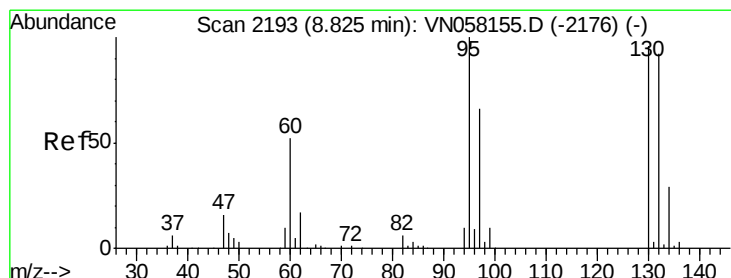
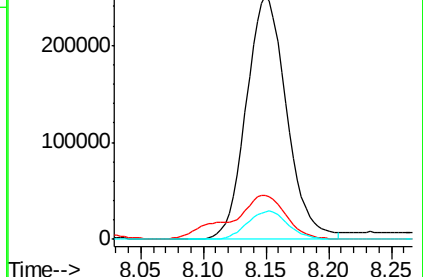
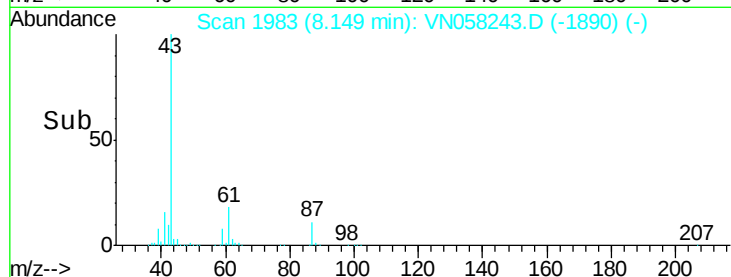
87 11.8 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



#44

Trichloroethene

Concen: 48.625 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058243.D

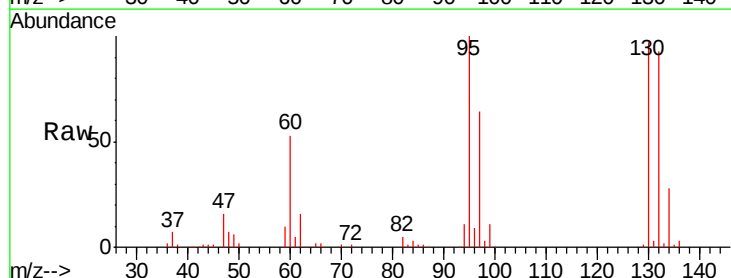
Acq: 20 Sep 2019 12:26

Tgt Ion: 130 Resp: 211382

Ion Ratio Lower Upper

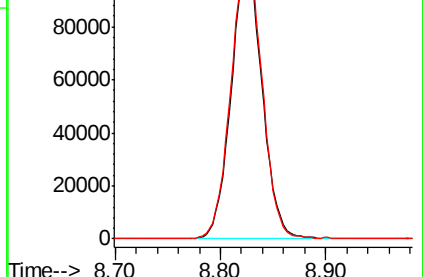
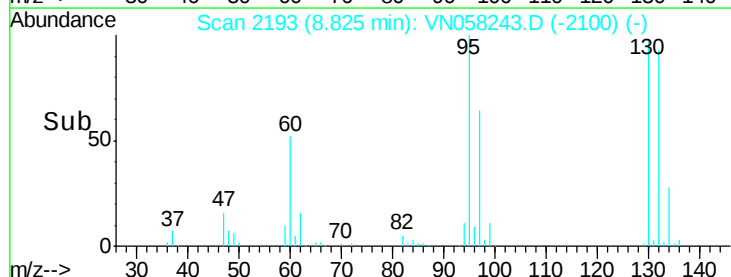
130 100

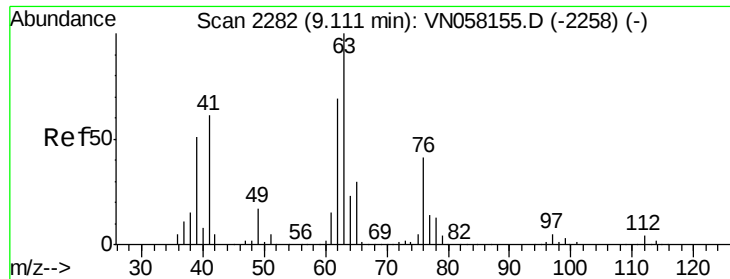
95 102.6 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

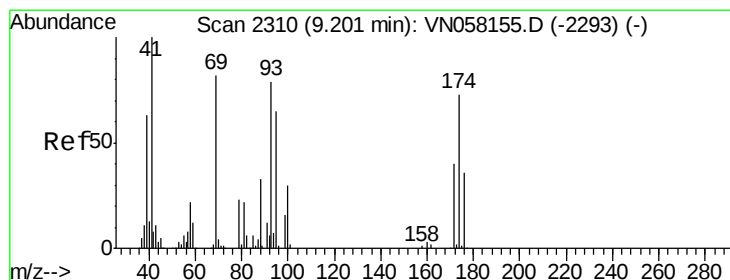
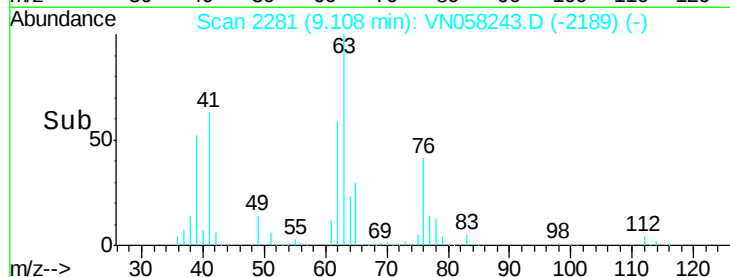
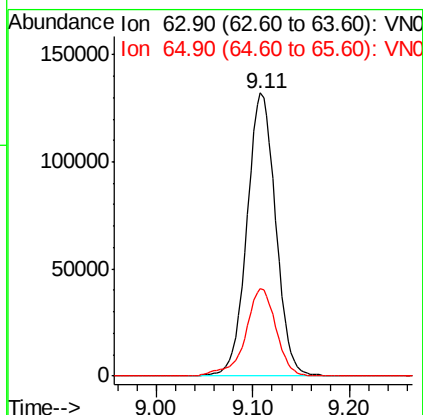
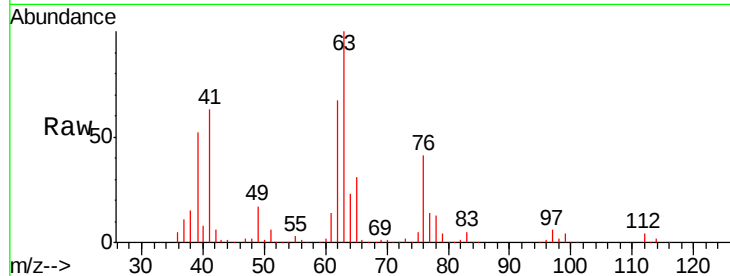




#45
 1,2-Dichloropropane
 Concen: 51.469 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

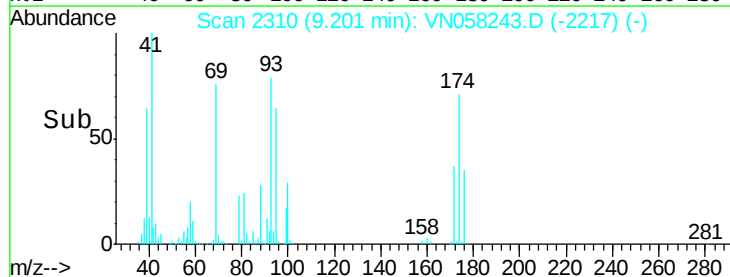
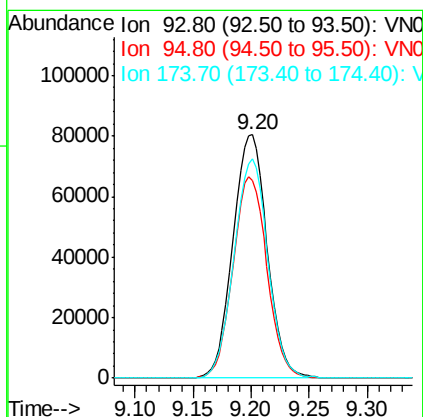
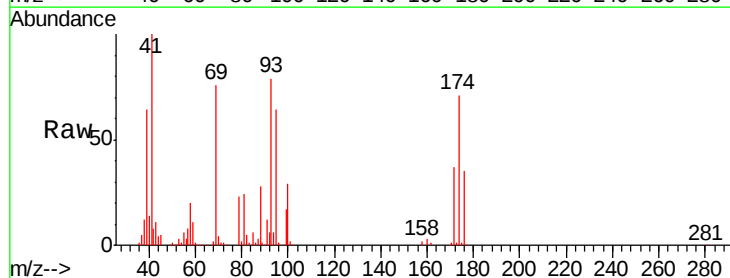
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

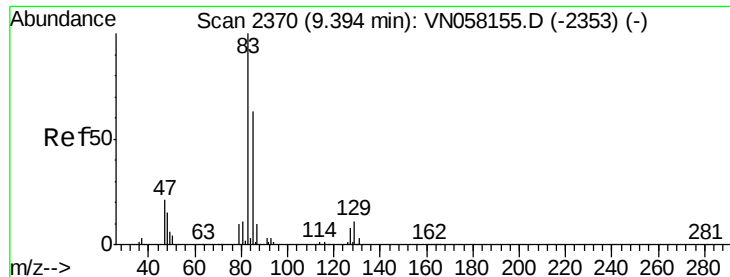
Tgt Ion: 63 Resp: 273052
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.6



#46
 Dibromomethane
 Concen: 51.069 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion: 93 Resp: 164721
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.8 100.2
 174 89.3 73.8 110.8





#47

Bromodichloromethane

Concen: 52.637 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

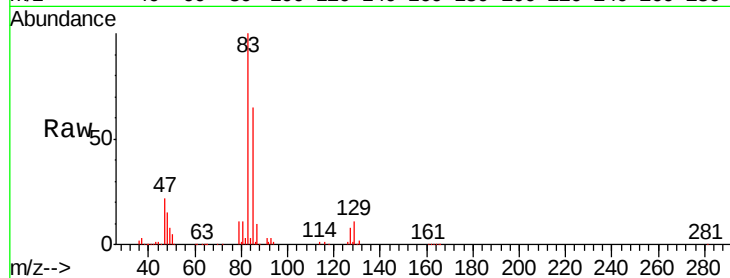
Tgt Ion: 83 Resp: 355677

Ion Ratio Lower Upper

83 100

85 64.8 50.1 75.1

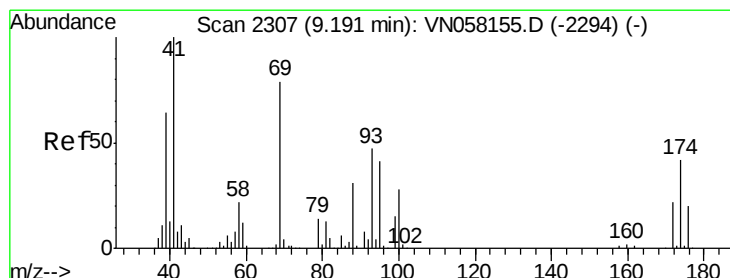
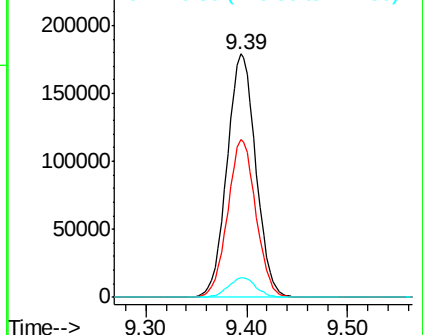
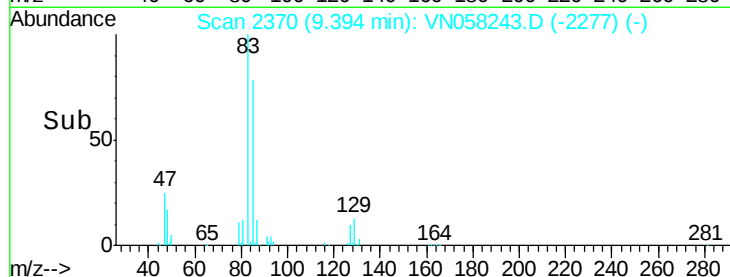
127 8.0 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN058243.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058243.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058243.D (-2277) (-)



#48

Methyl methacrylate

Concen: 52.528 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

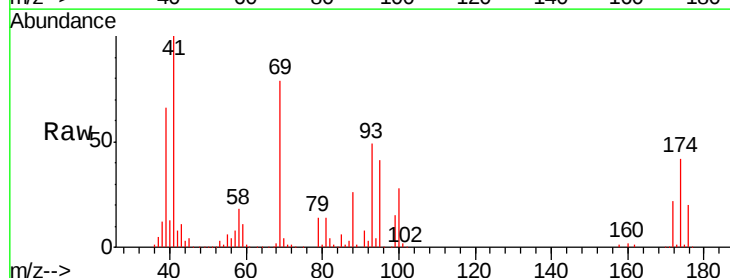
Tgt Ion: 41 Resp: 268851

Ion Ratio Lower Upper

41 100

69 79.6 62.5 93.7

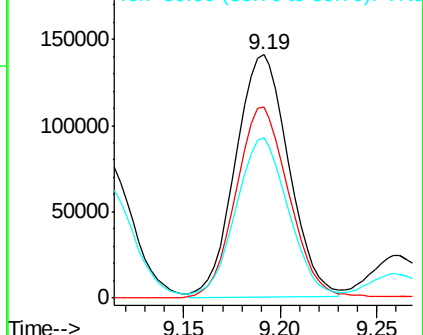
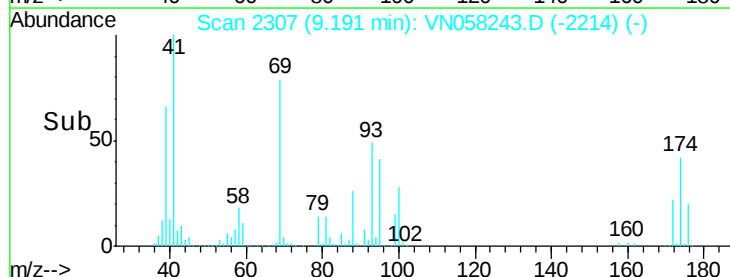
39 65.5 52.3 78.5

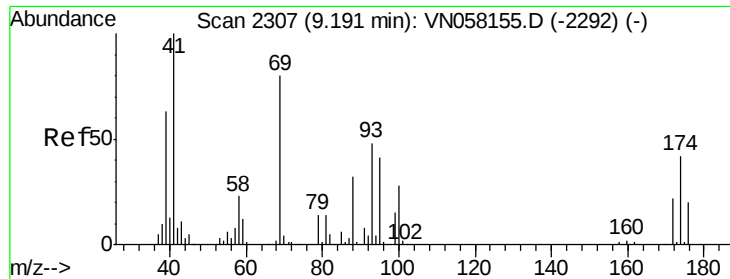


Abundance Ion 41.00 (40.70 to 41.70): VN058243.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058243.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058243.D (-2214) (-)

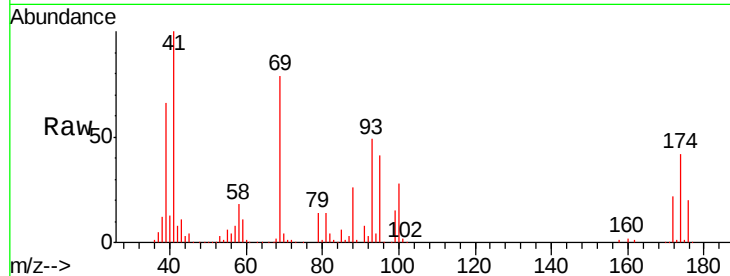




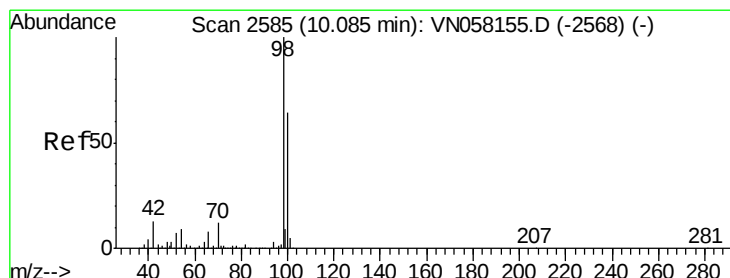
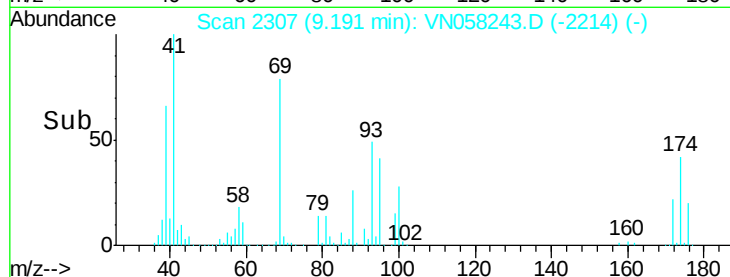
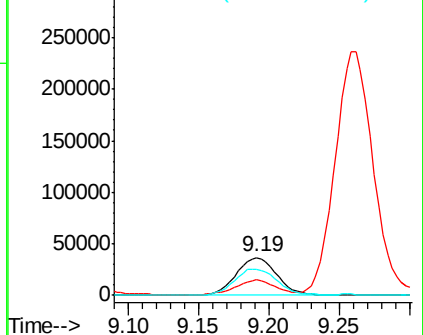
#49
 1,4-Dioxane
 Concen: 887.931 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 74615
 Ion Ratio Lower Upper
 88 100
 43 38.2 27.8 41.8
 58 73.2 55.0 82.4

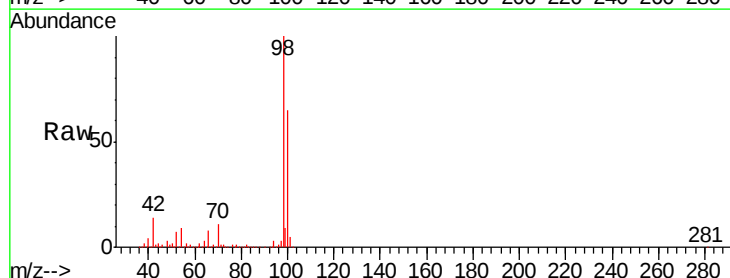


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

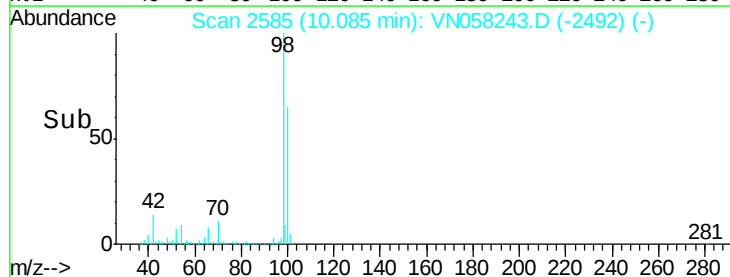
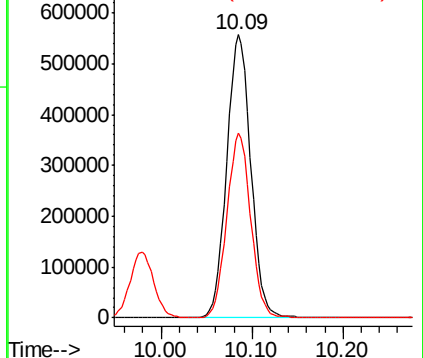


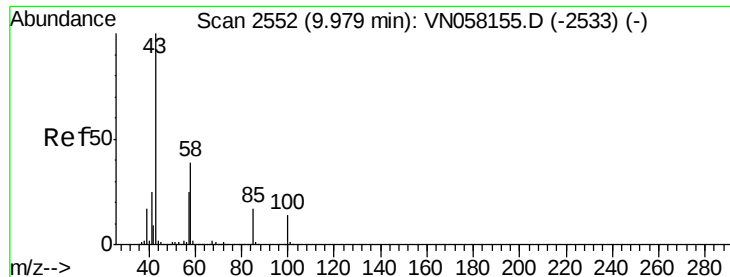
#50
 Toluene-d8
 Concen: 53.582 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion: 98 Resp: 1023563
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.1 76.7



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

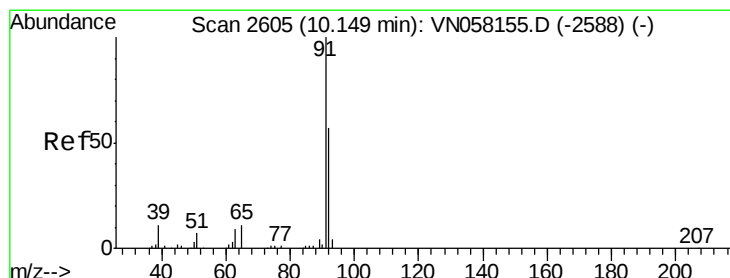
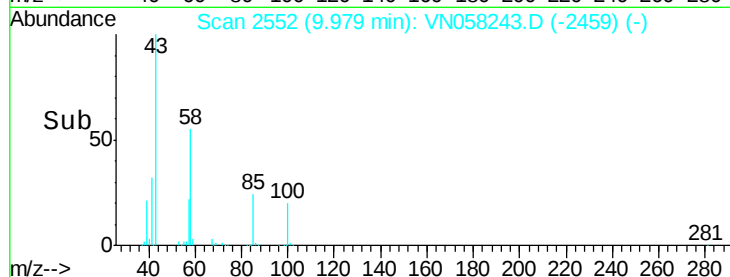
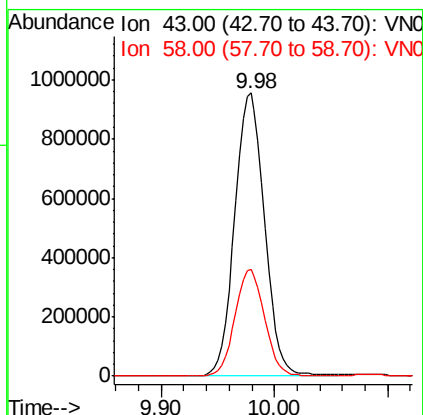
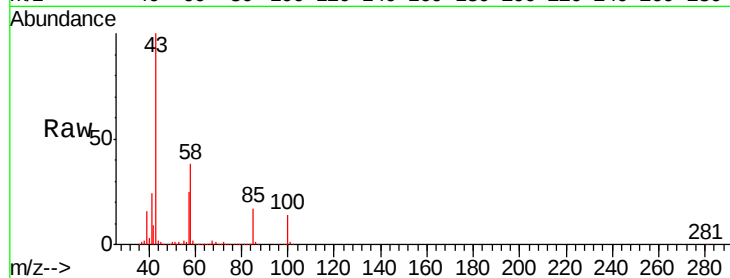




#51
 4-Methyl-2-Pentanone
 Concen: 293.294 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

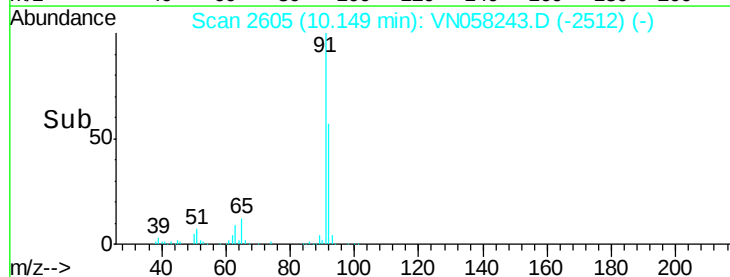
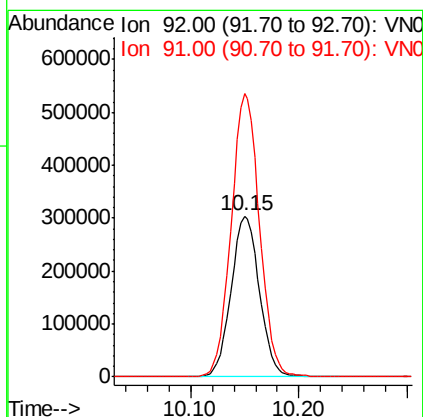
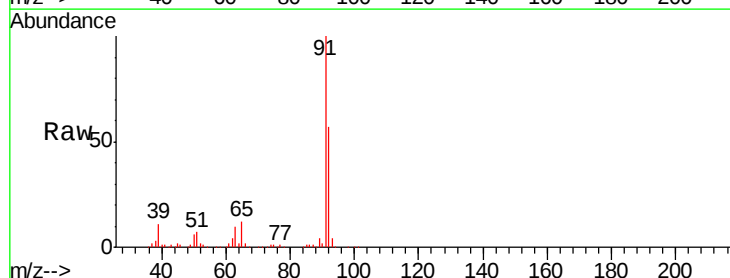
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1756112
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.2 45.4



#52
 Toluene
 Concen: 50.207 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion: 92 Resp: 558961
 Ion Ratio Lower Upper
 92 100
 91 175.7 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 54.407 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

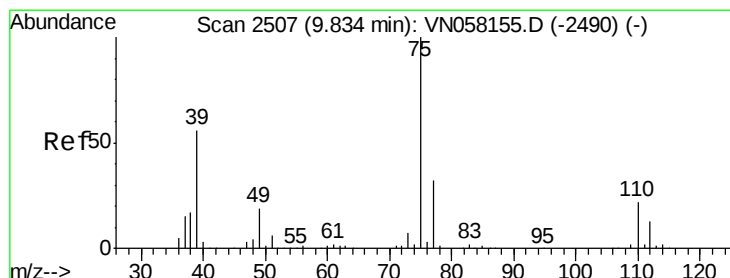
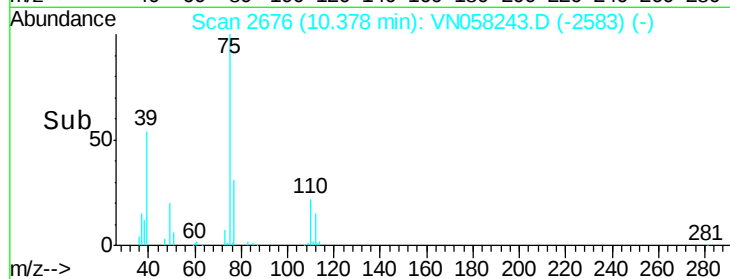
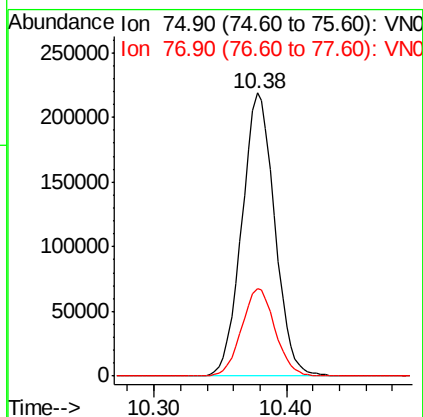
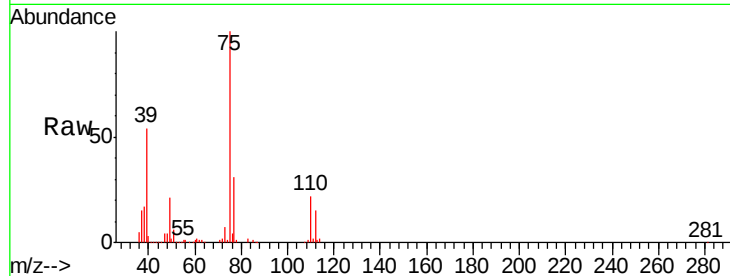
VSTDCCC050

Tgt Ion: 75 Resp: 376594

Ion Ratio Lower Upper

75 100

77 30.8 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 53.477 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

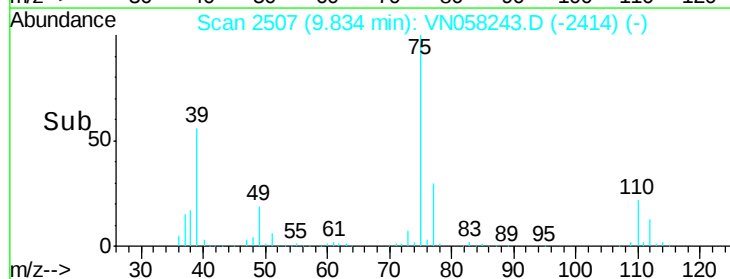
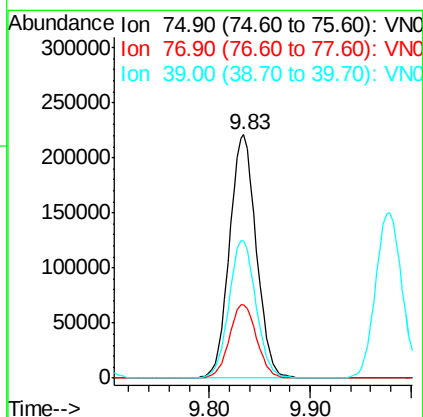
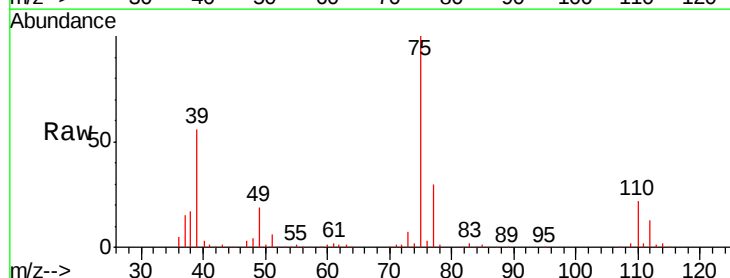
Tgt Ion: 75 Resp: 408679

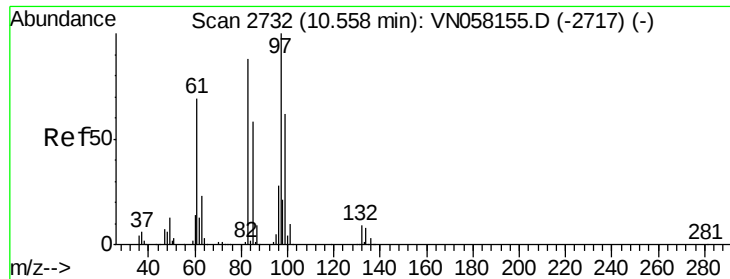
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 56.2 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 52.681 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 260280

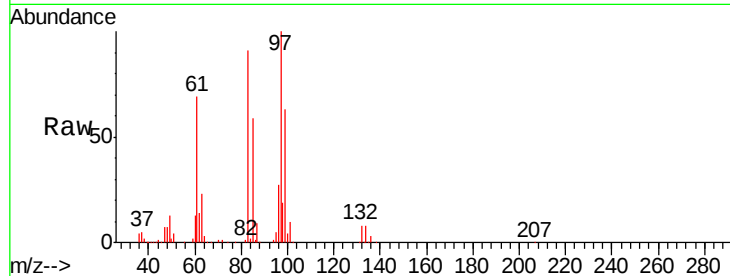
Ion Ratio Lower Upper

97 100

83 90.8 70.4 105.6

85 58.7 46.8 70.2

99 63.3 49.9 74.9

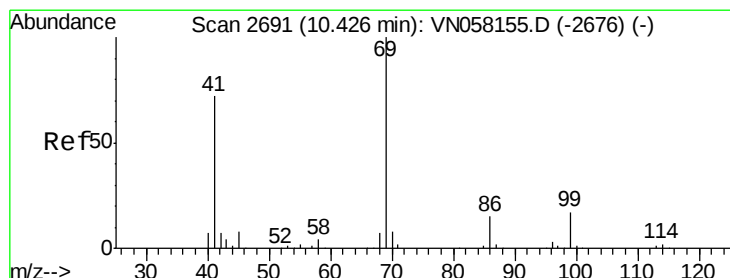
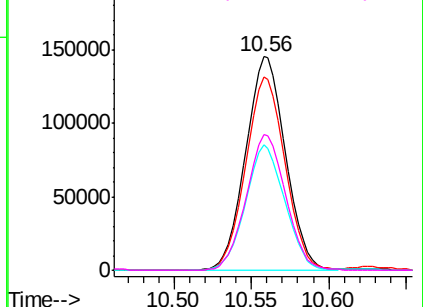
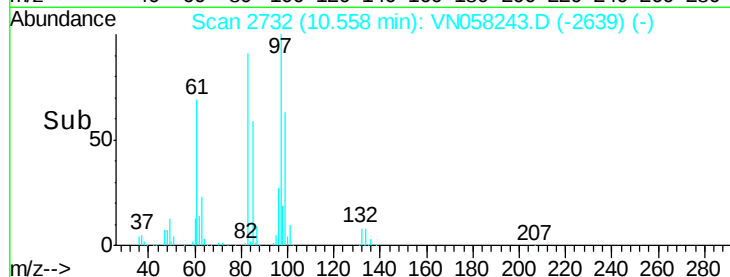


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 55.132 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

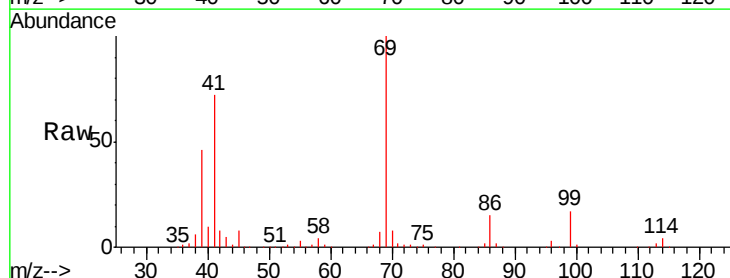
Tgt Ion: 69 Resp: 393010

Ion Ratio Lower Upper

69 100

41 71.2 57.5 86.3

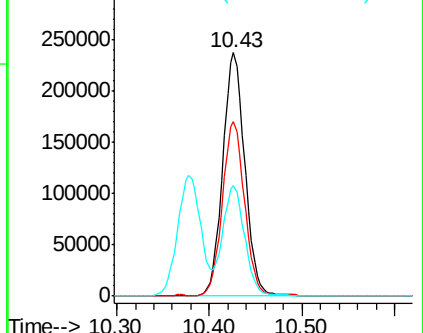
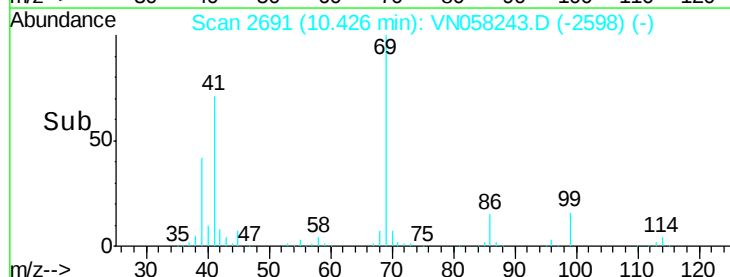
39 45.0 36.1 54.1



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: 52.051 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

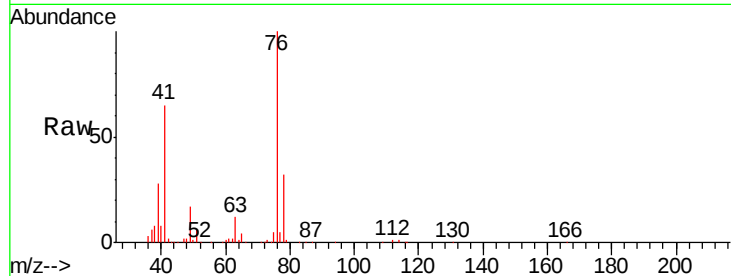
VSTDCCC050

Tgt Ion: 76 Resp: 442095

Ion Ratio Lower Upper

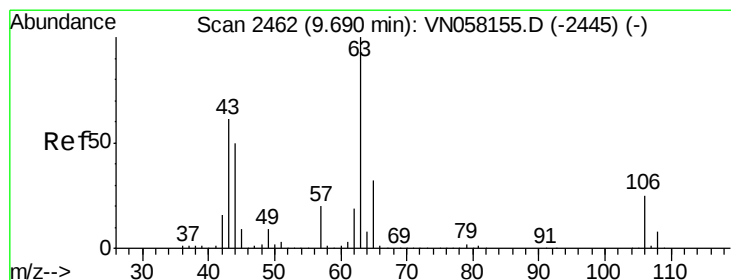
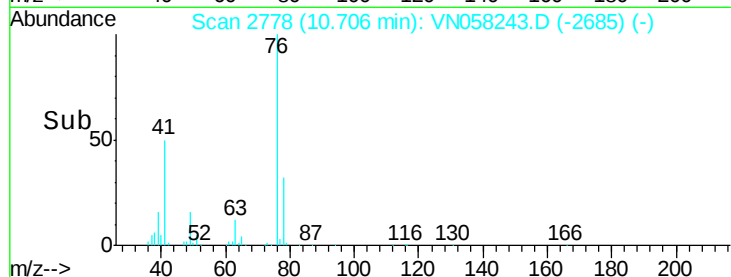
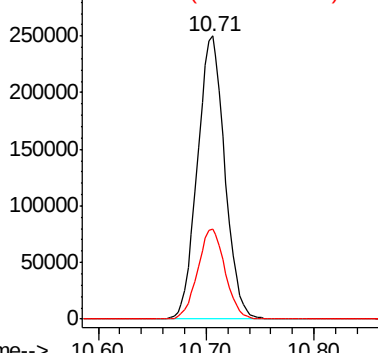
76 100

78 32.0 25.4 38.0



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: 311.770 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058243.D

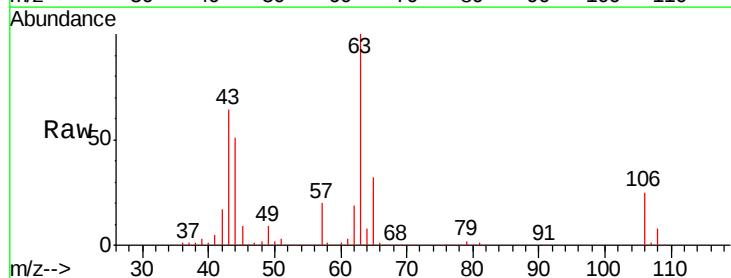
Acq: 20 Sep 2019 12:26

Tgt Ion: 63 Resp: 1058616

Ion Ratio Lower Upper

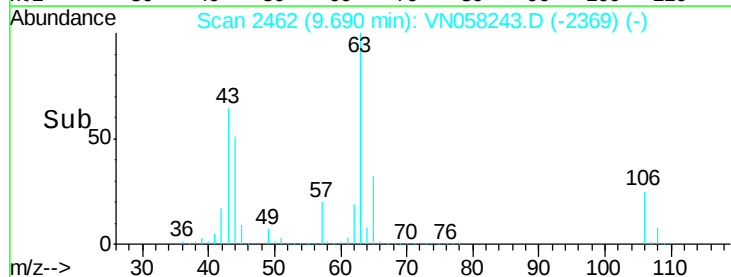
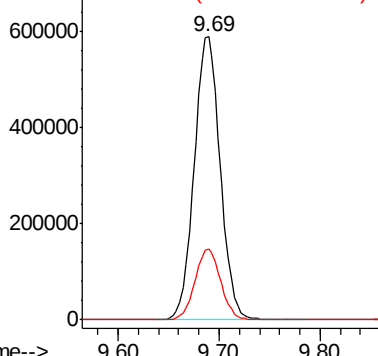
63 100

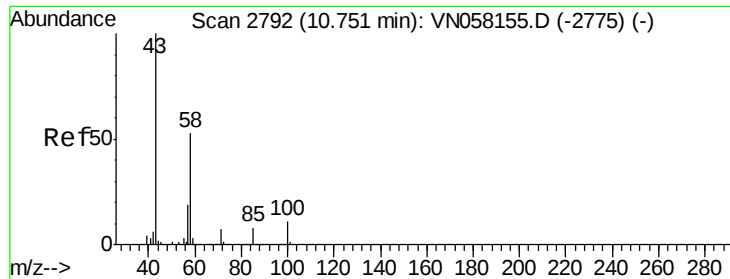
106 24.9 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

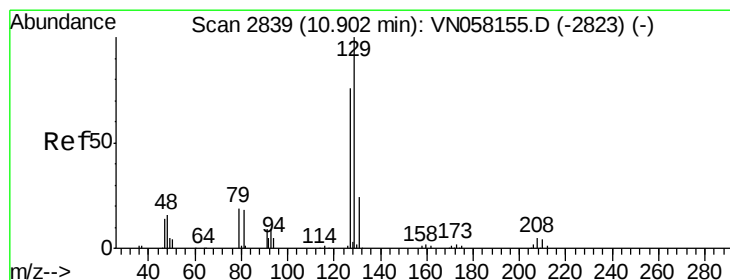
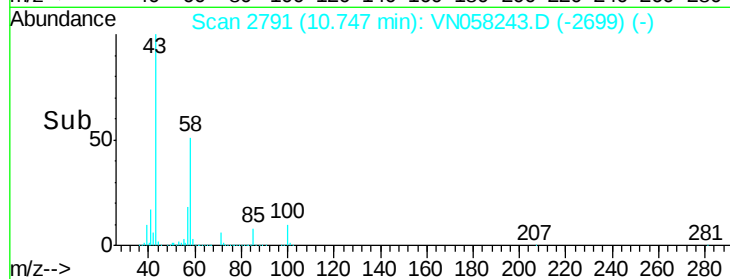
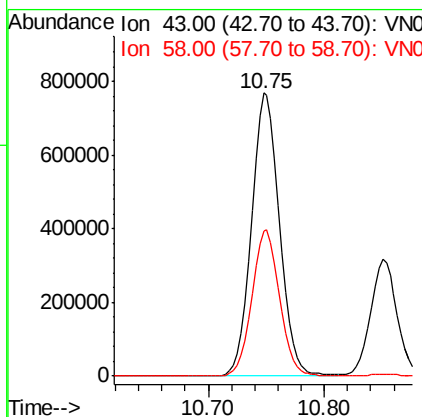
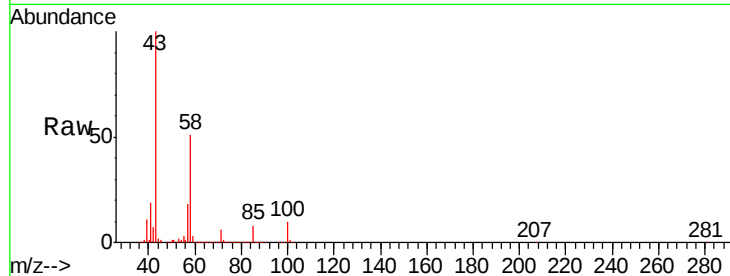




#59
2-Hexanone
Concen: 291.129 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

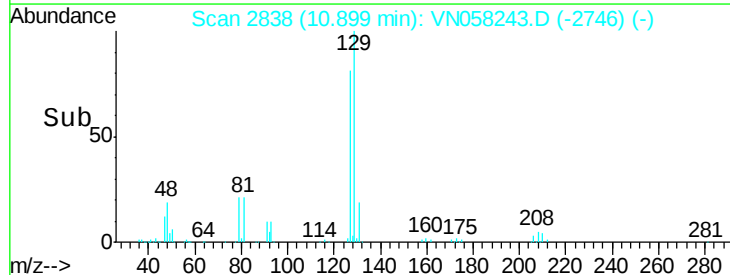
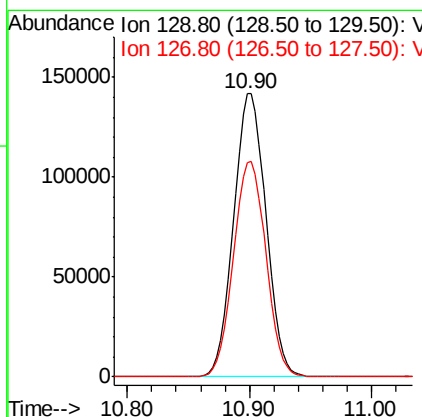
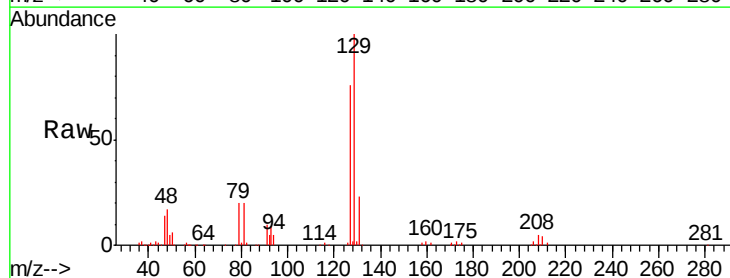
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

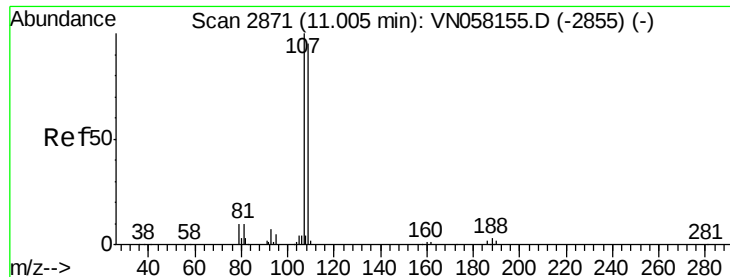
Tgt Ion: 43 Resp: 1294619
Ion Ratio Lower Upper
43 100
58 51.3 26.0 78.0



#60
Dibromochloromethane
Concen: 54.861 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion: 129 Resp: 260765
Ion Ratio Lower Upper
129 100
127 76.4 38.7 116.1





#61

1,2-Dibromoethane

Concen: 52.421 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

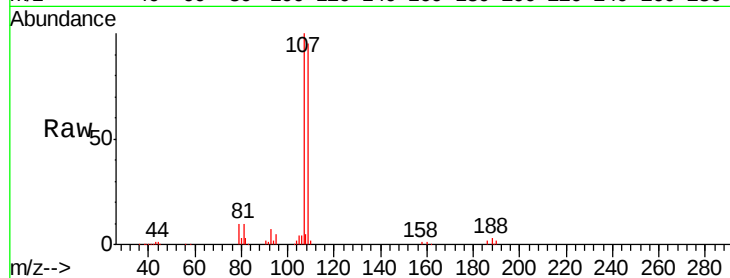
VSTDCCC050

Tgt Ion: 107 Resp: 240020

Ion Ratio Lower Upper

107 100

109 94.0 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

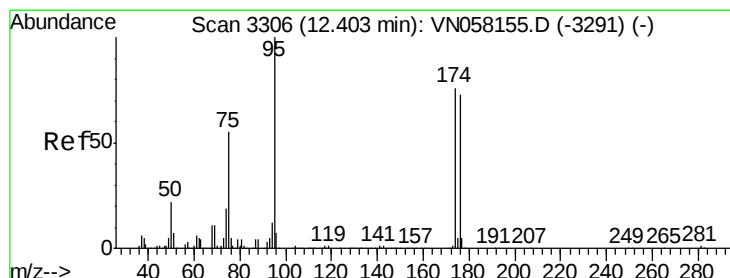
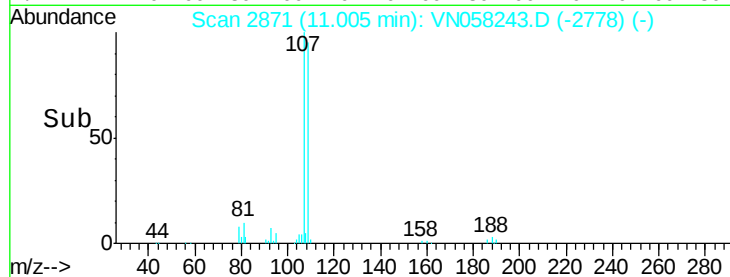
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 54.619 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

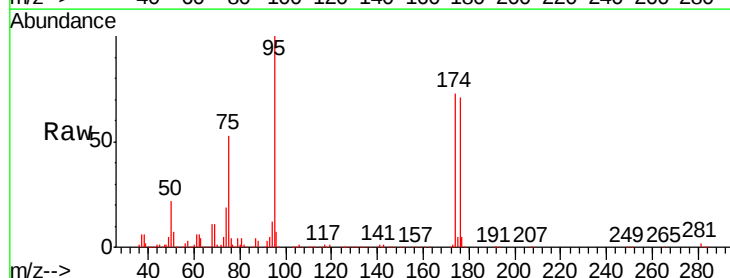
Tgt Ion: 95 Resp: 387577

Ion Ratio Lower Upper

95 100

174 73.8 0.0 152.2

176 71.5 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

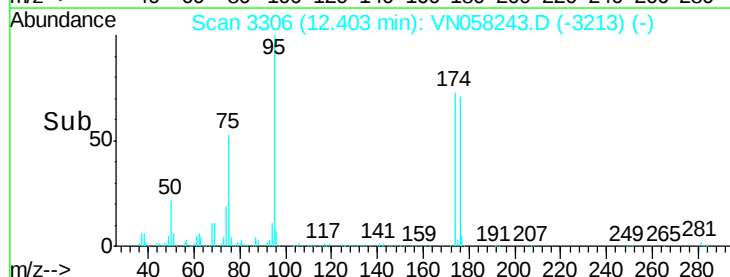
150000

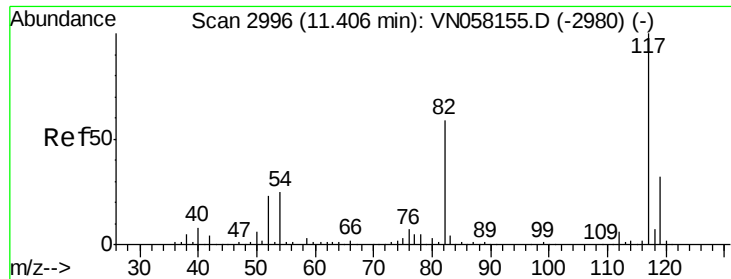
100000

50000

0

Time--> 12.35 12.40 12.45 12.50

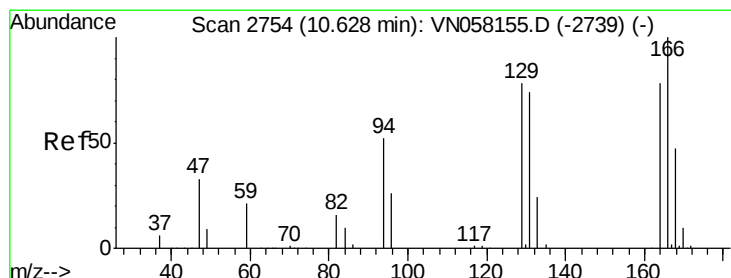
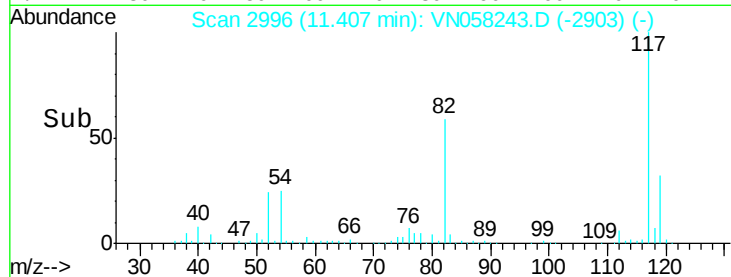
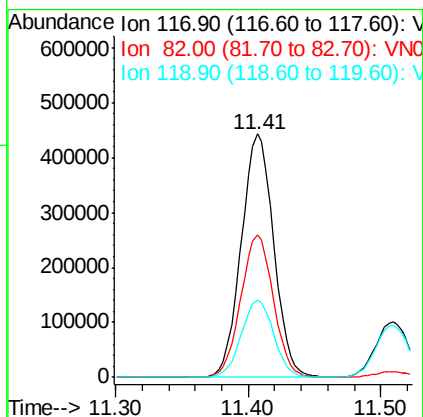
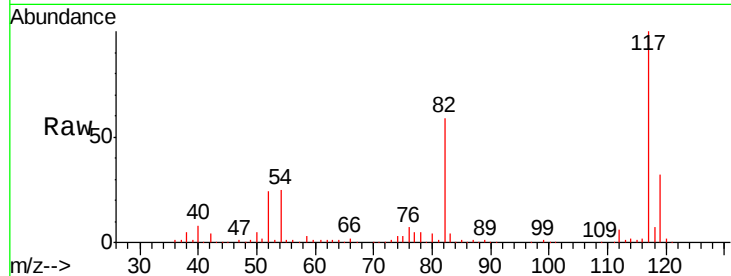




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

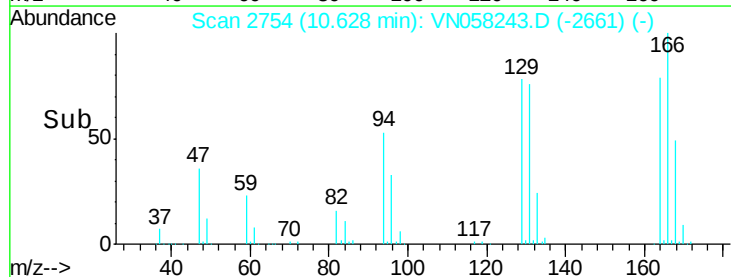
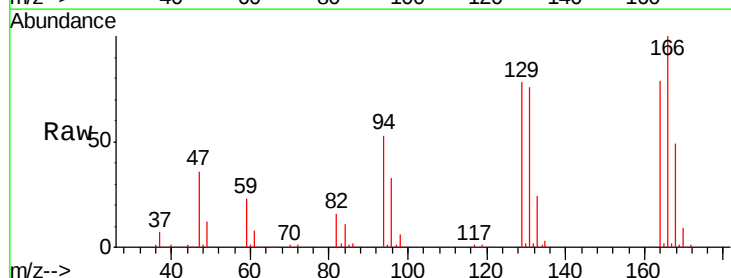
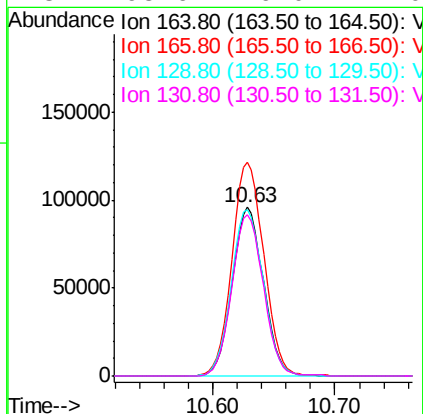
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

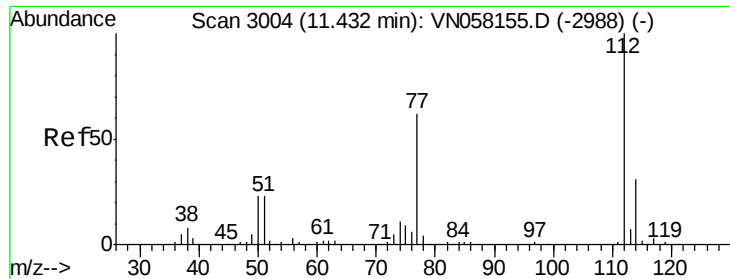
Tgt Ion:117 Resp: 753126
Ion Ratio Lower Upper
117 100
82 58.6 46.9 70.3
119 31.5 25.3 37.9



#64
Tetrachloroethene
Concen: 46.392 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion:164 Resp: 170319
Ion Ratio Lower Upper
164 100
166 126.6 102.2 153.4
129 98.6 79.6 119.4
131 95.6 76.0 114.0

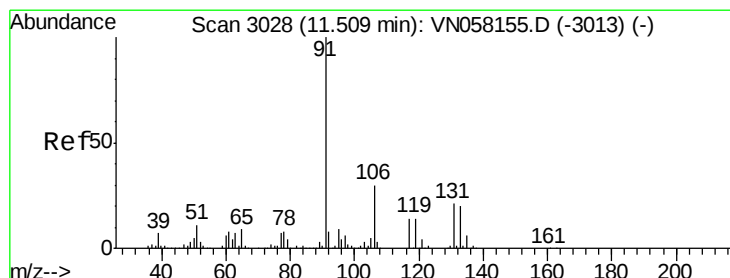
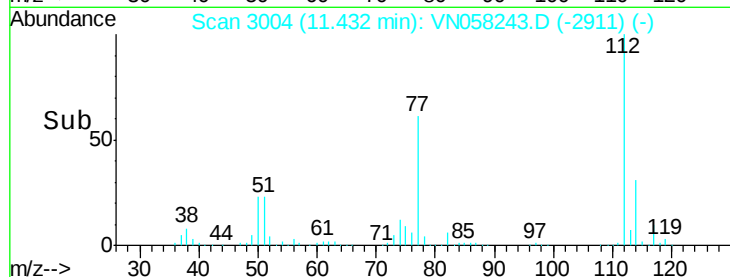
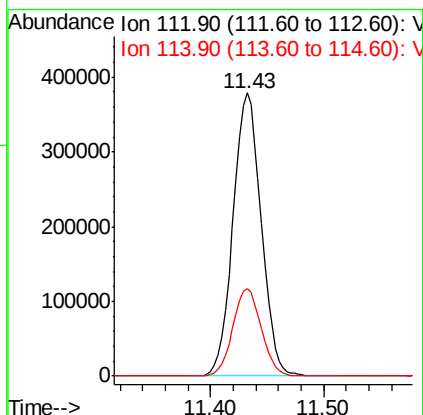
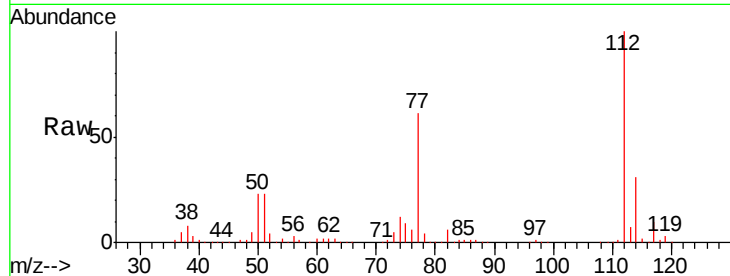




#65
Chlorobenzene
Concen: 49.557 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

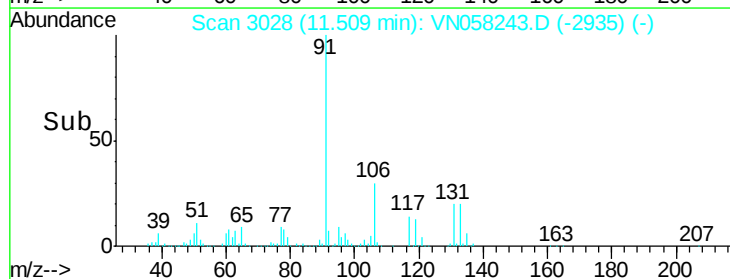
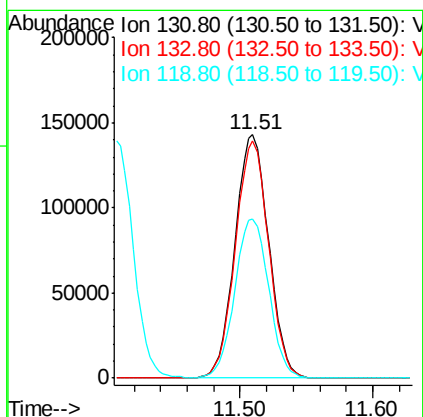
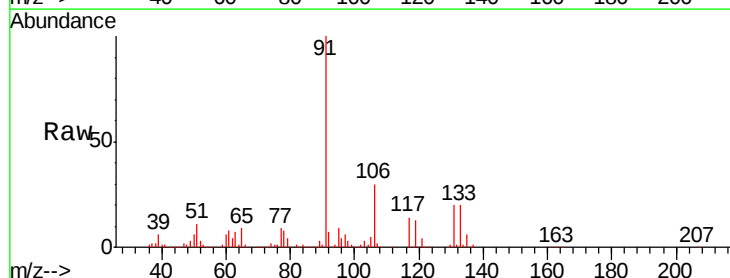
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

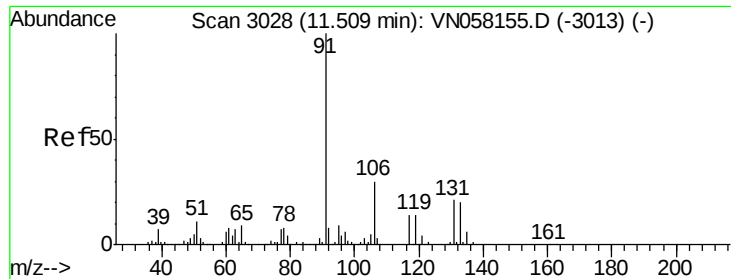
Tgt Ion:112 Resp: 656485
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.530 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion:131 Resp: 252323
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.3
119 66.1 33.1 99.3

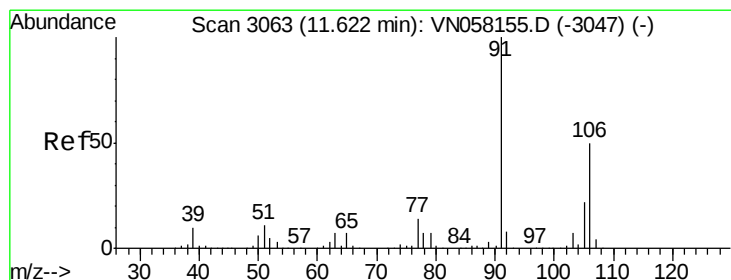
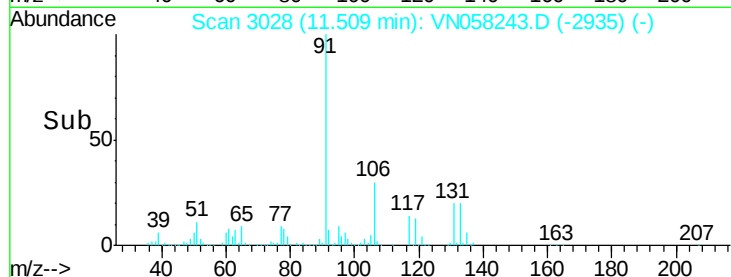
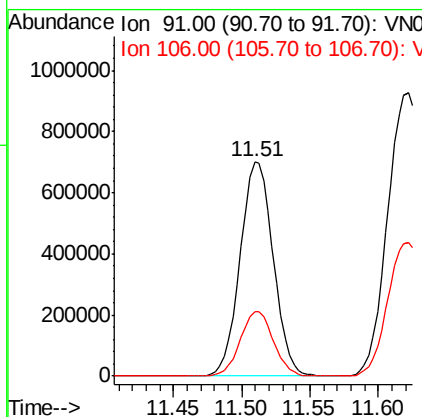
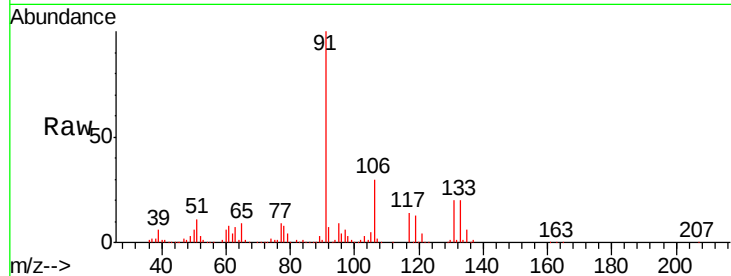




#67
Ethyl Benzene
Concen: 52.155 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

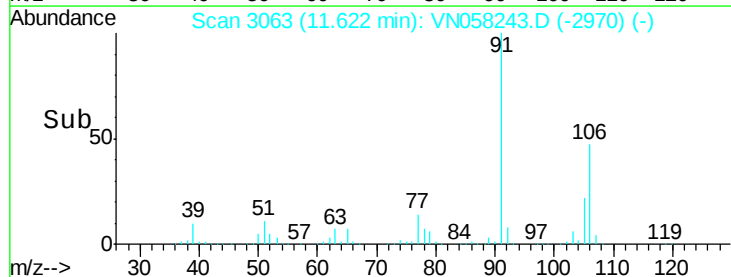
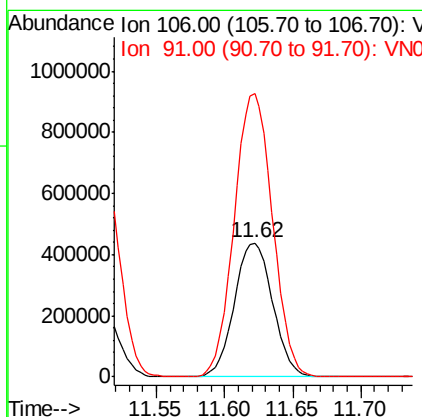
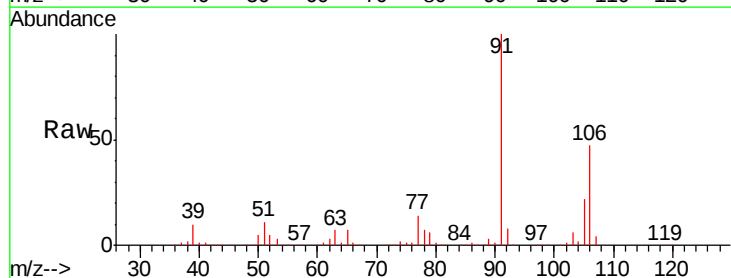
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

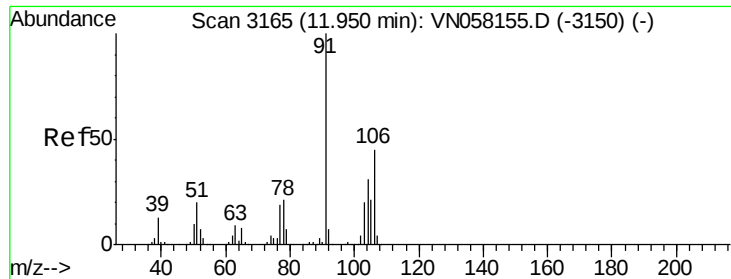
Tgt Ion: 91 Resp: 1183835
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0



#68
m/p-Xylenes
Concen: 99.629 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion: 106 Resp: 851724
Ion Ratio Lower Upper
106 100
91 211.7 163.6 245.4





#69

o-Xylene

Concen: 51.459 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

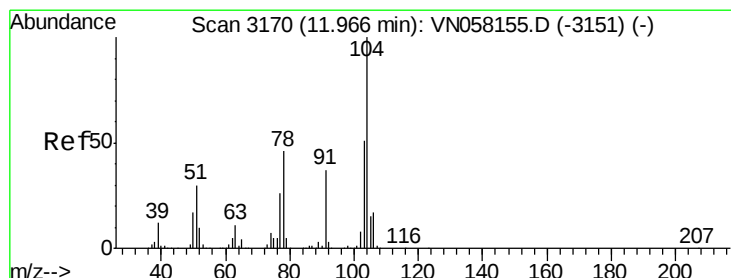
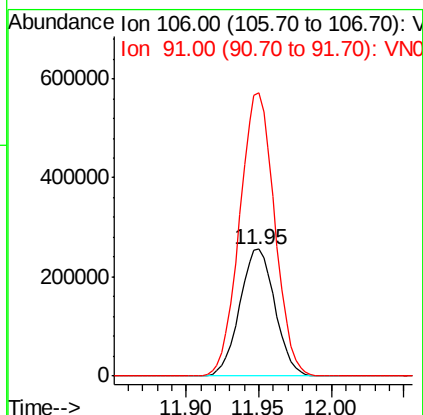
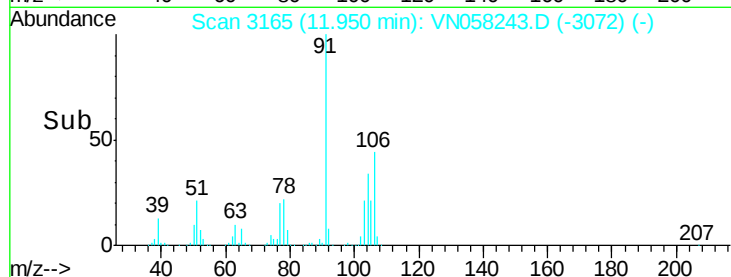
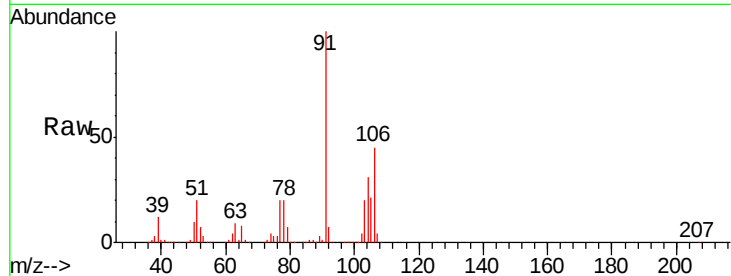
VSTDCCC050

Tgt Ion:106 Resp: 432566

Ion Ratio Lower Upper

106 100

91 222.4 111.8 335.3



#70

Styrene

Concen: 53.132 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

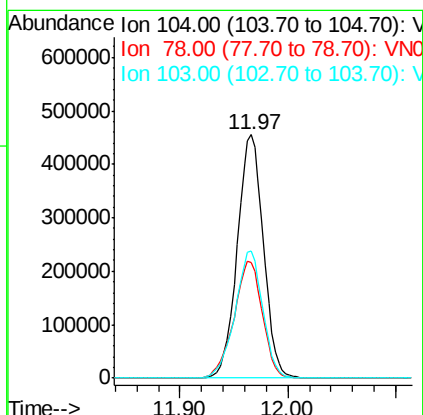
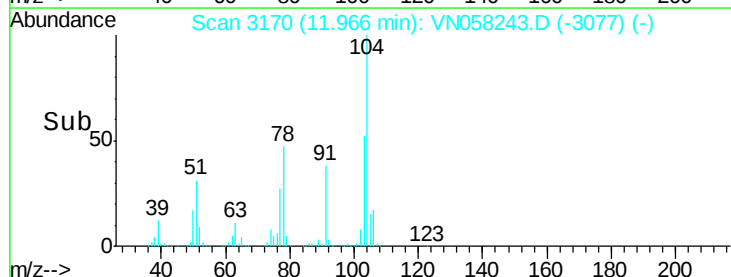
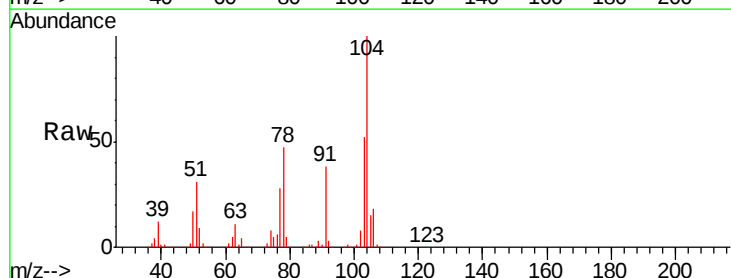
Tgt Ion:104 Resp: 769535

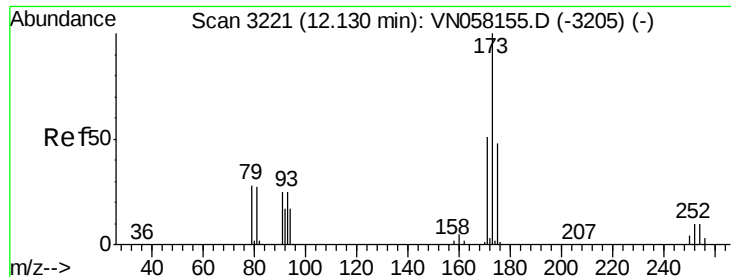
Ion Ratio Lower Upper

104 100

78 52.4 41.8 62.8

103 55.3 44.2 66.2

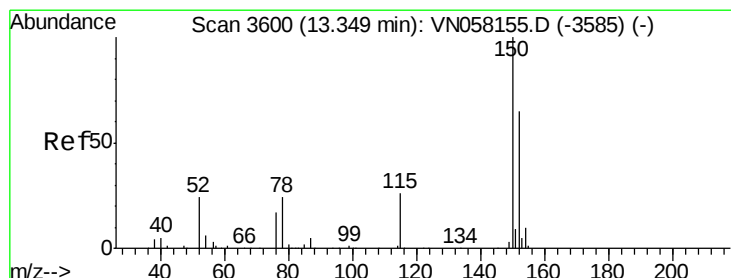
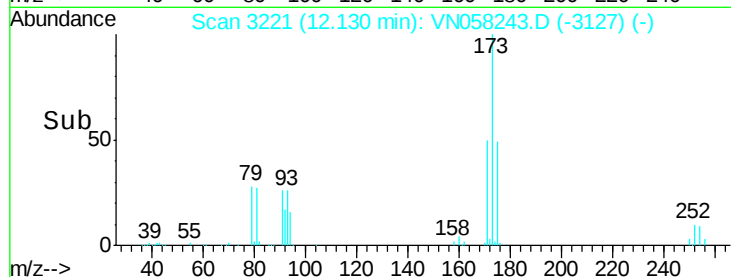
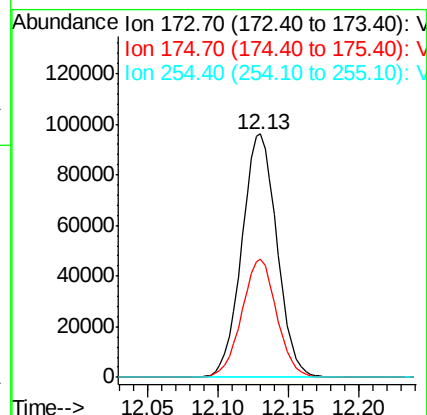
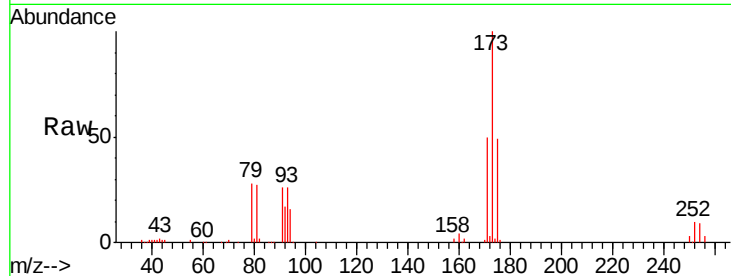




#71
Bromoform
Concen: 47.411 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

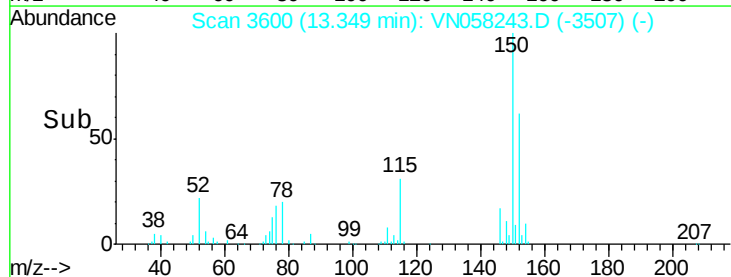
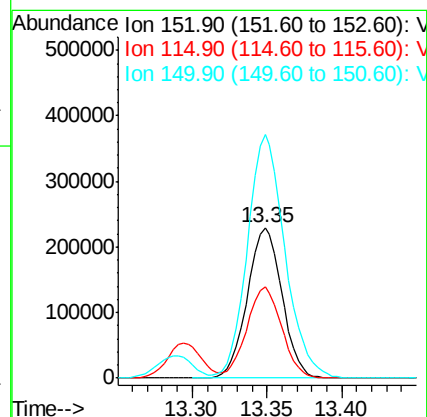
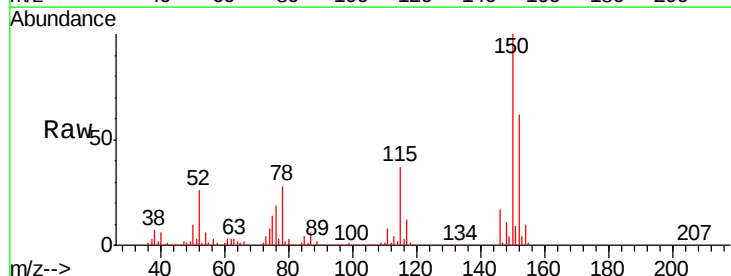
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

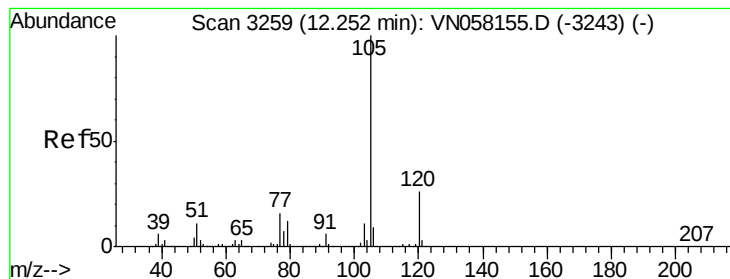
Tgt Ion:173 Resp: 168127
Ion Ratio Lower Upper
173 100
175 48.1 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion:152 Resp: 369605
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.3
150 174.7 0.0 346.4





#73

Isopropylbenzene

Concen: 53.462 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

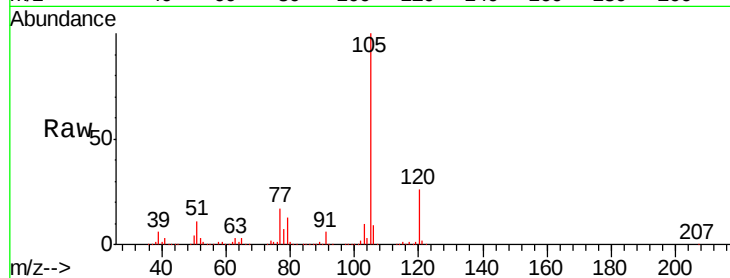
VSTDCCC050

Tgt Ion: 105 Resp: 1236840

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

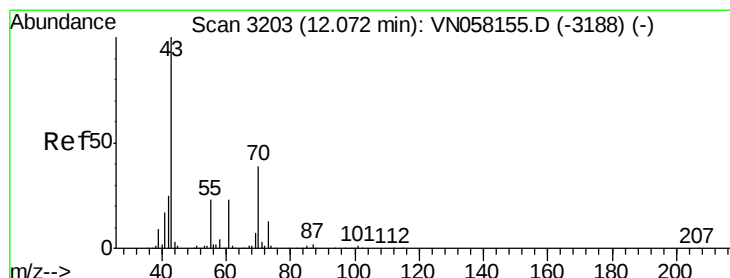
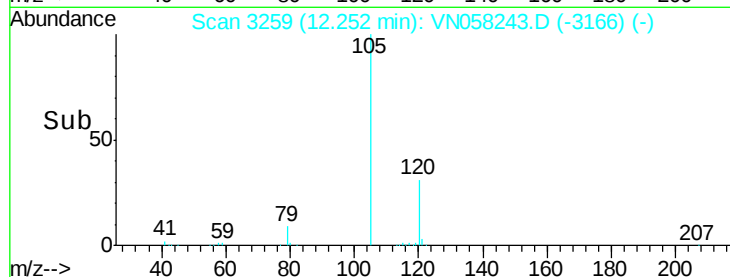
400000

200000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 55.816 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Tgt Ion: 43 Resp: 540204

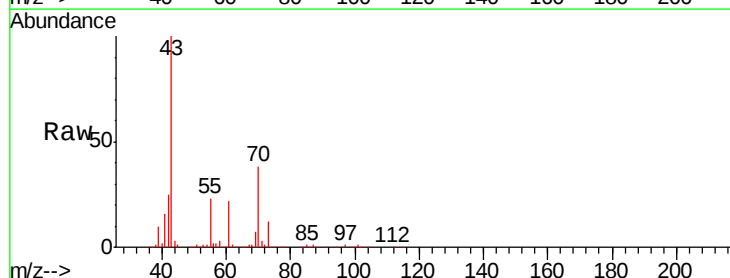
Ion Ratio Lower Upper

43 100

70 39.0 31.0 46.6

55 23.5 18.5 27.7

61 22.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

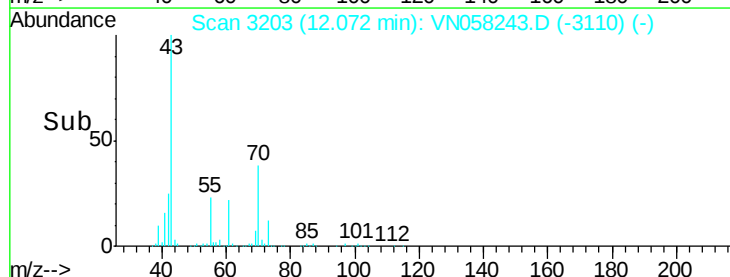
200000

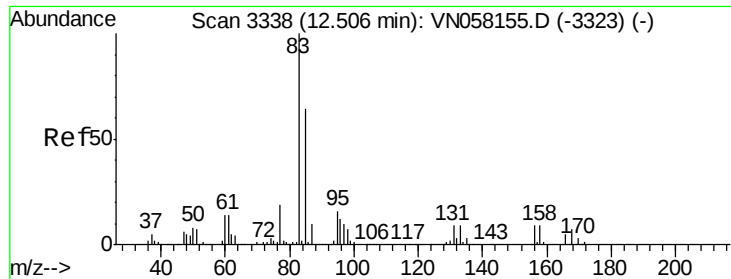
100000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.844 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

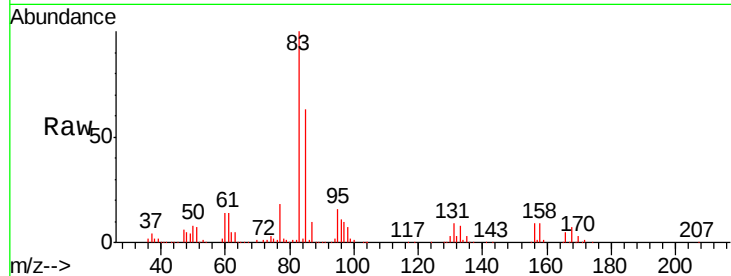
Tgt Ion: 83 Resp: 409403

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

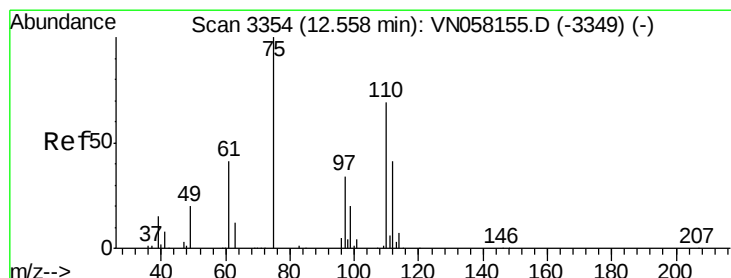
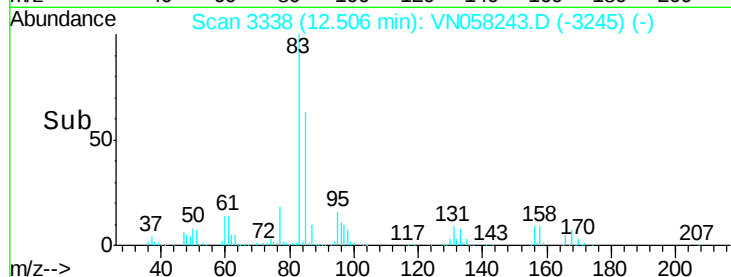
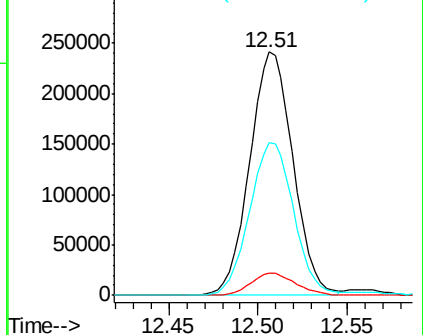
85 63.7 31.9 95.5



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: 75.084 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058243.D

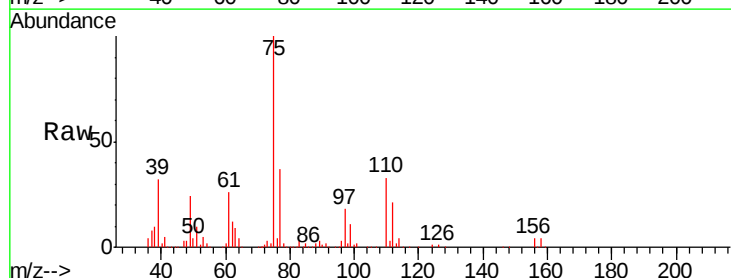
Acq: 20 Sep 2019 12:26

Tgt Ion: 75 Resp: 496663

Ion Ratio Lower Upper

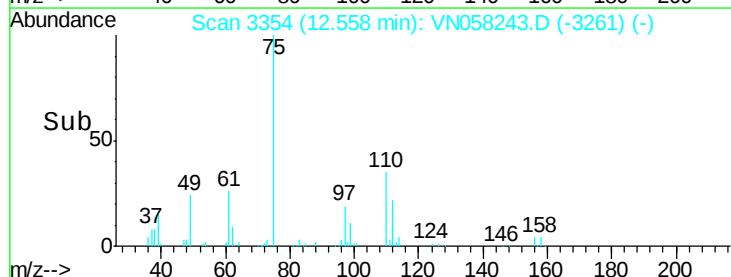
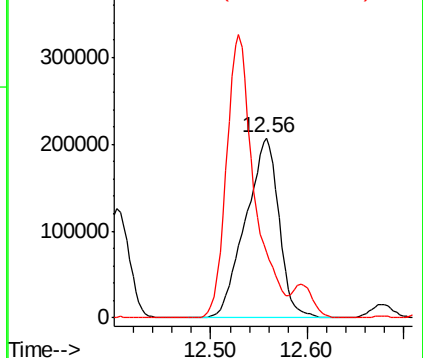
75 100

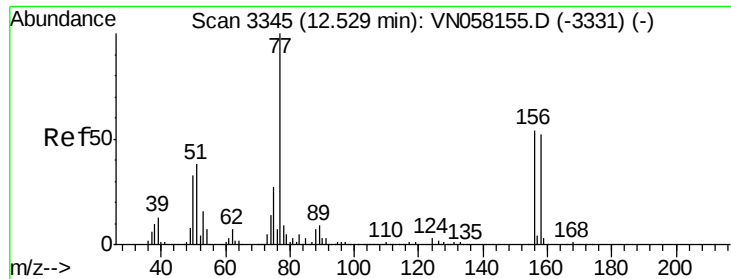
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.703 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

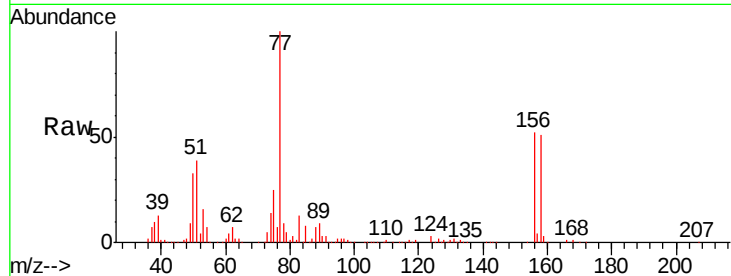
Tgt Ion:156 Resp: 289245

Ion Ratio Lower Upper

156 100

77 227.7 111.7 335.1

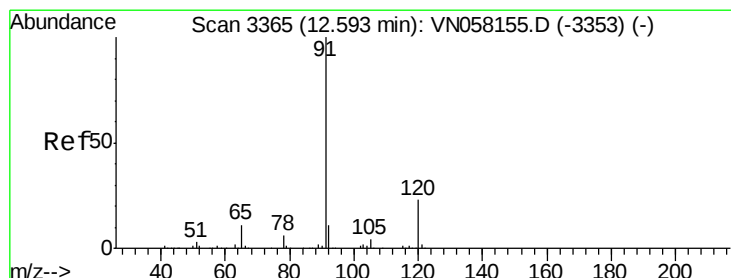
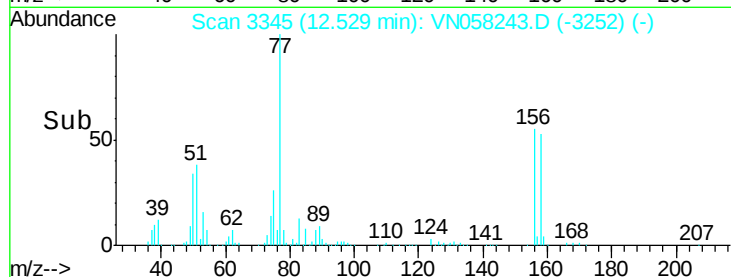
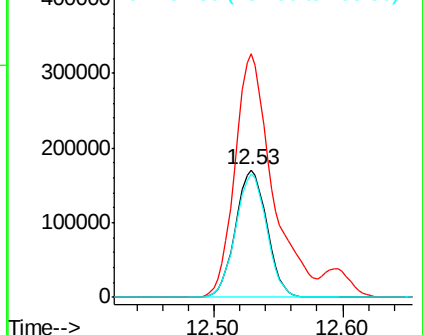
158 96.3 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.172 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058243.D

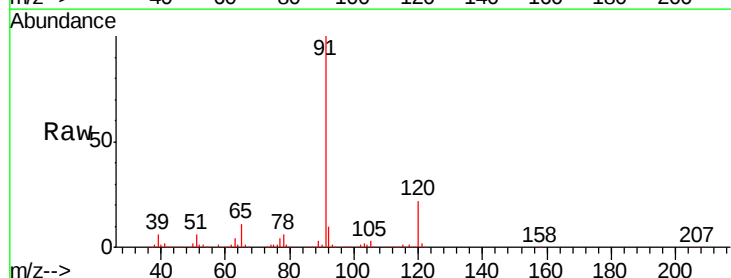
Acq: 20 Sep 2019 12:26

Tgt Ion: 91 Resp: 1450445

Ion Ratio Lower Upper

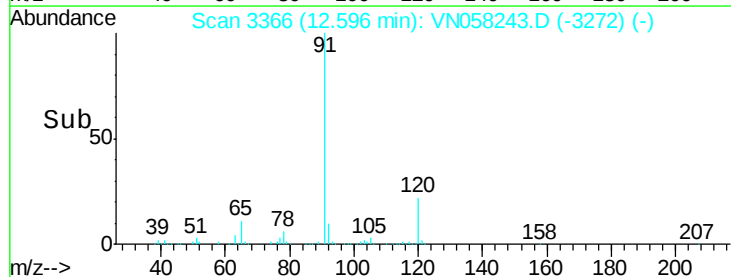
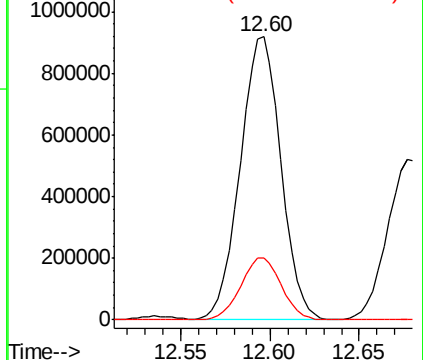
91 100

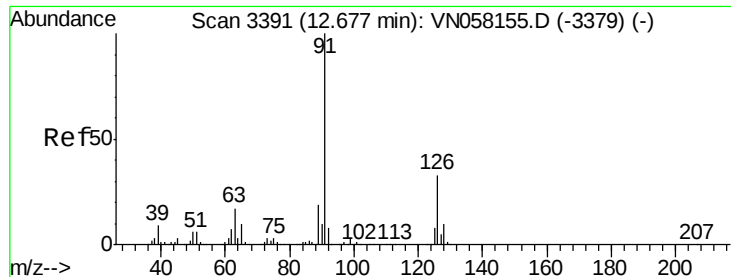
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

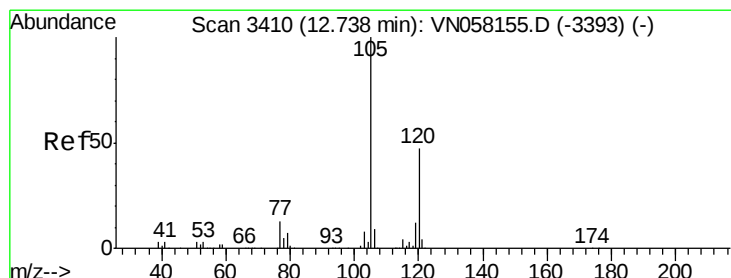
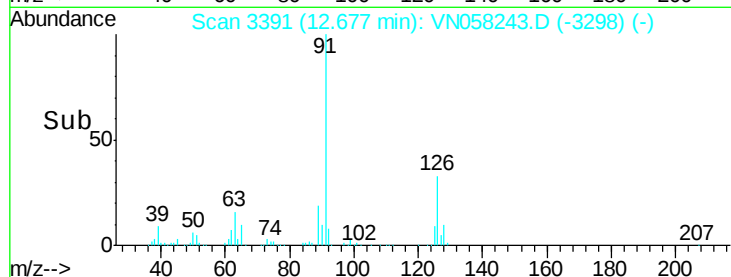
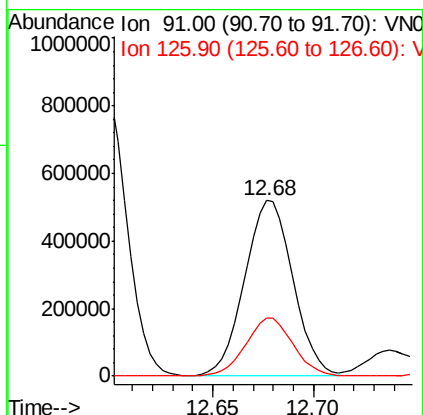
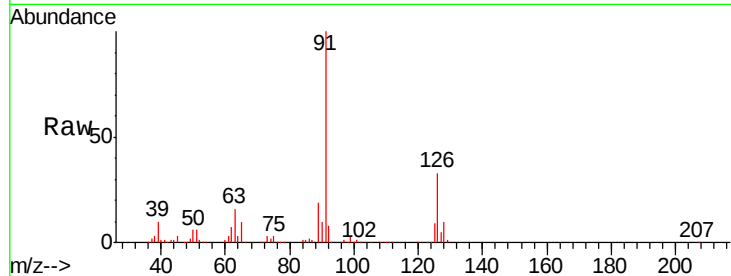




#79
 2-Chlorotoluene
 Concen: 52.819 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

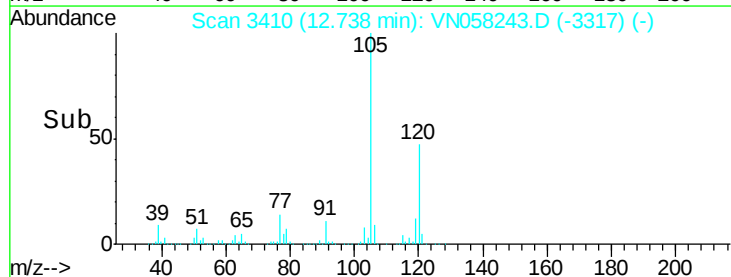
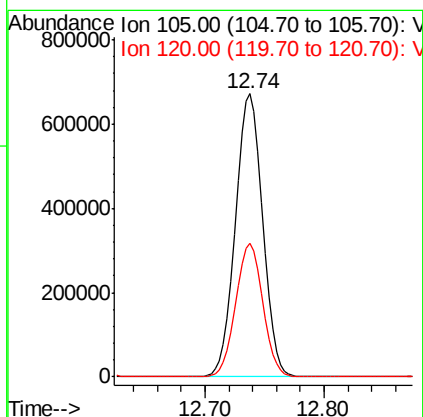
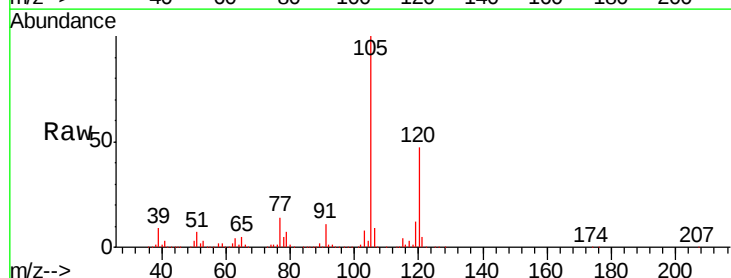
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

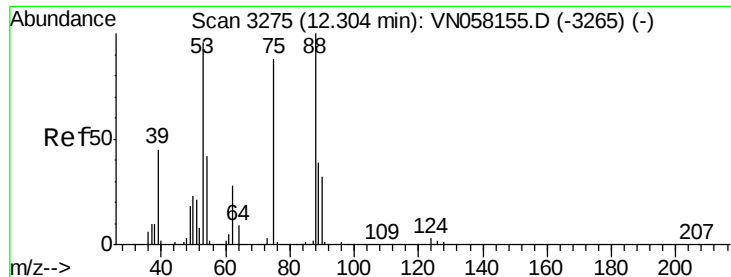
Tgt Ion: 91 Resp: 867814
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 54.338 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion: 105 Resp: 1063040
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.523 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

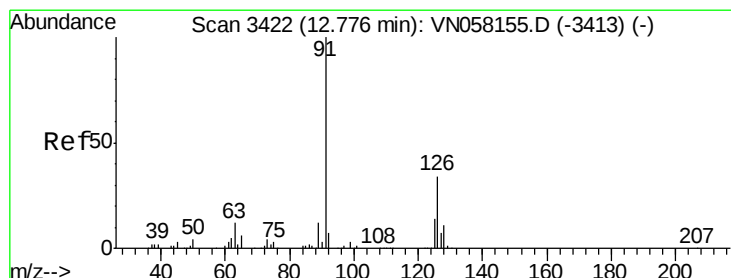
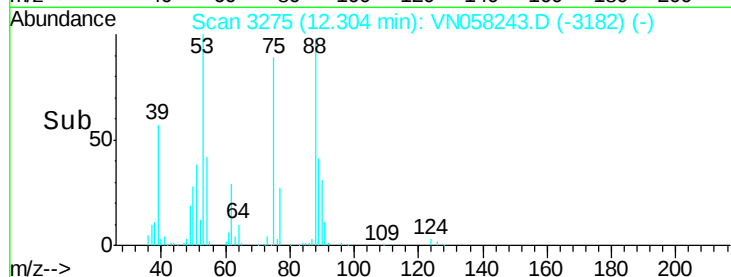
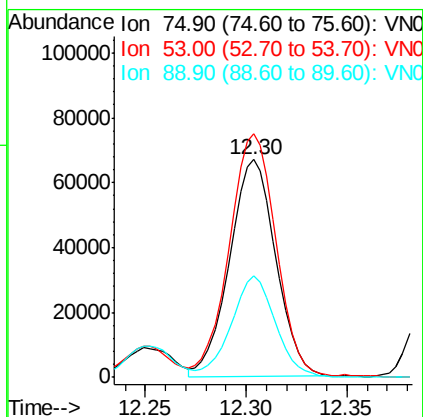
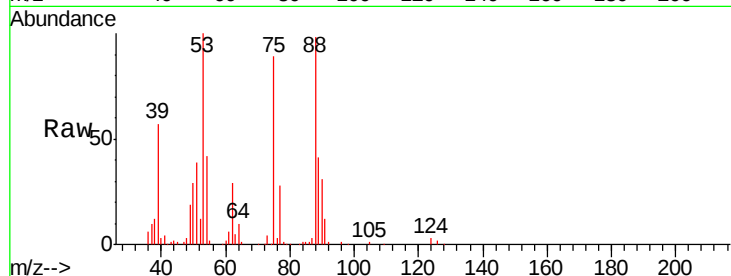
Tgt Ion: 75 Resp: 107414

Ion Ratio Lower Upper

75 100

53 112.6 90.1 135.1

89 44.7 36.2 54.2



#82

4-Chlorotoluene

Concen: 53.226 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058243.D

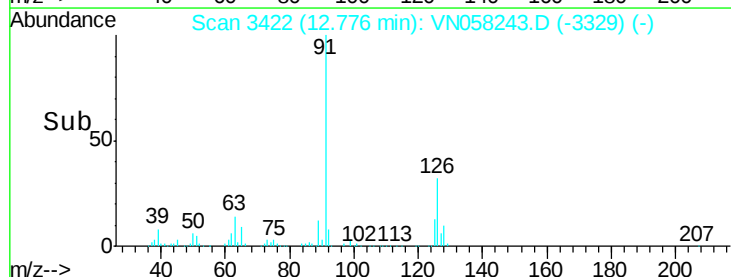
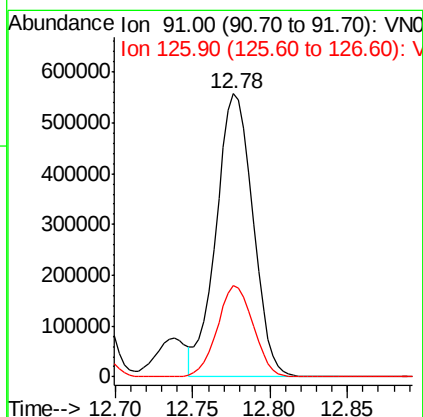
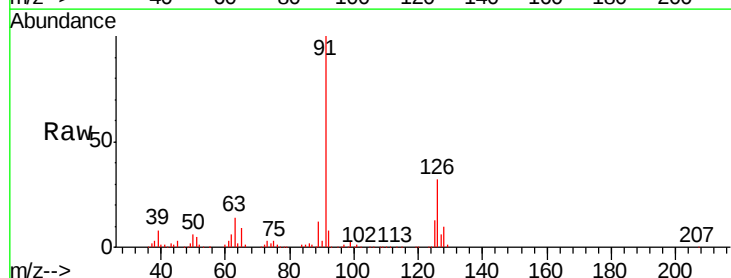
Acq: 20 Sep 2019 12:26

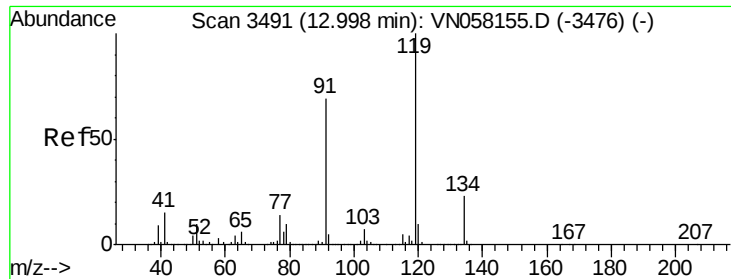
Tgt Ion: 91 Resp: 919248

Ion Ratio Lower Upper

91 100

126 31.5 15.7 47.1

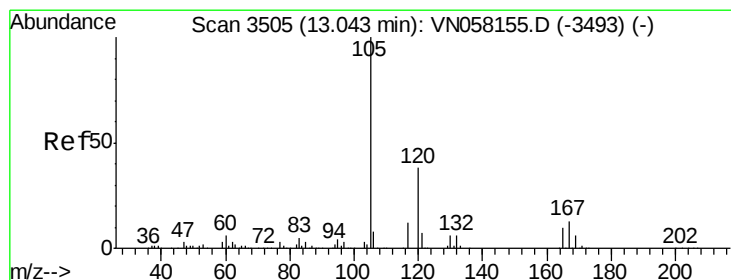
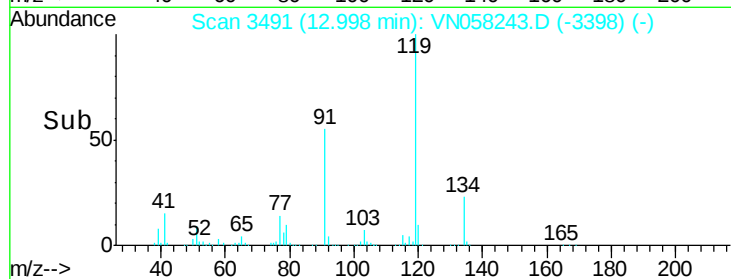
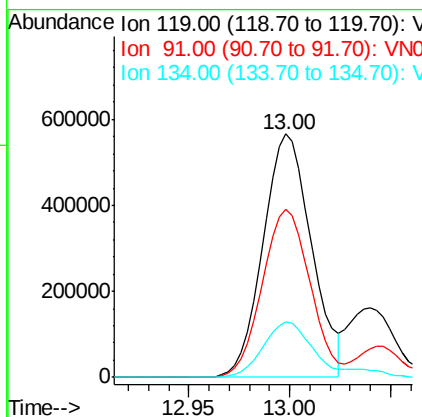
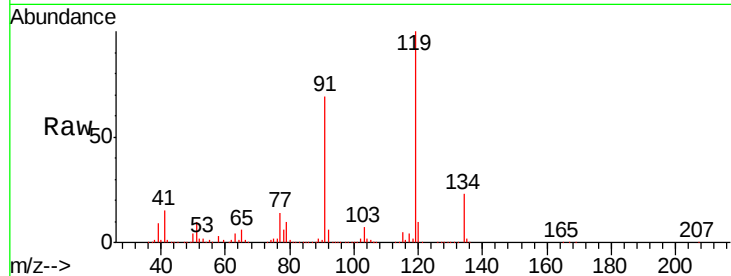




#83
 tert-Butylbenzene
 Concen: 54.131 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

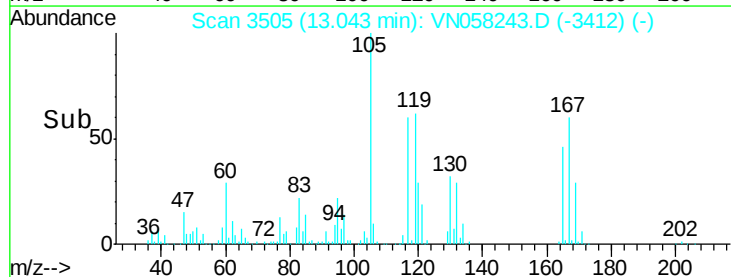
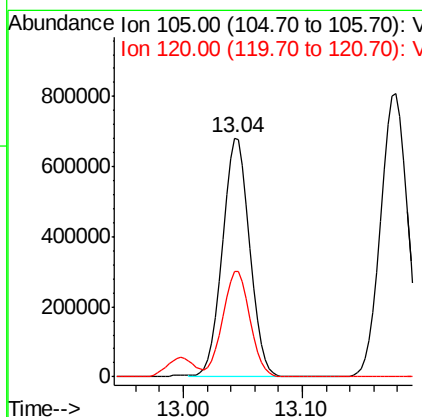
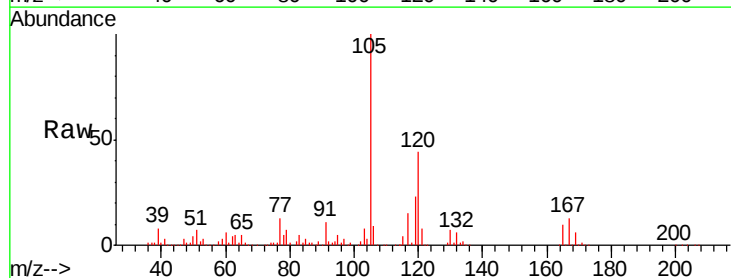
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

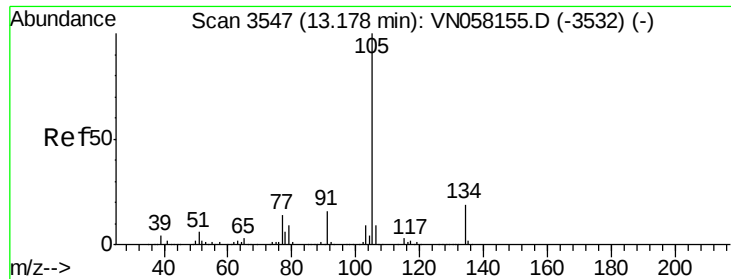
Tgt Ion:119 Resp: 944379
 Ion Ratio Lower Upper
 119 100
 91 68.3 33.8 101.3
 134 25.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.366 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion:105 Resp: 1077891
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5

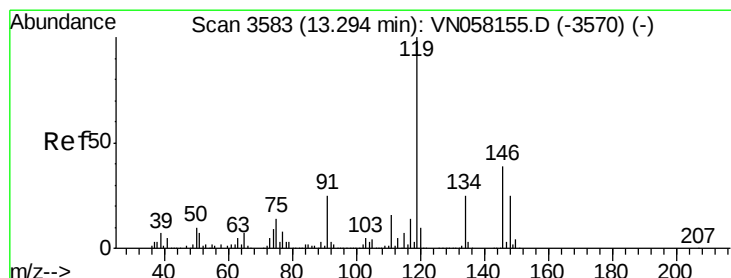
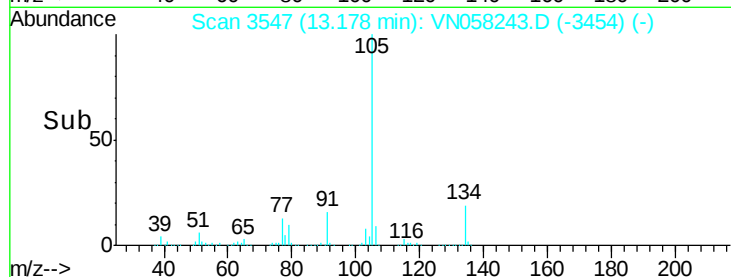
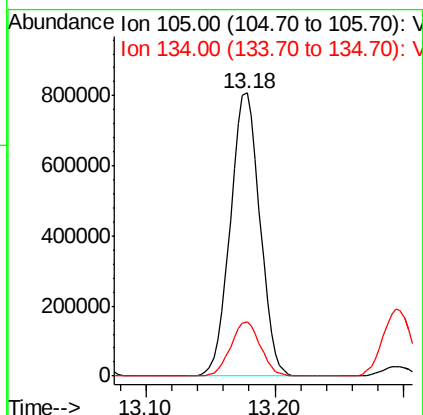
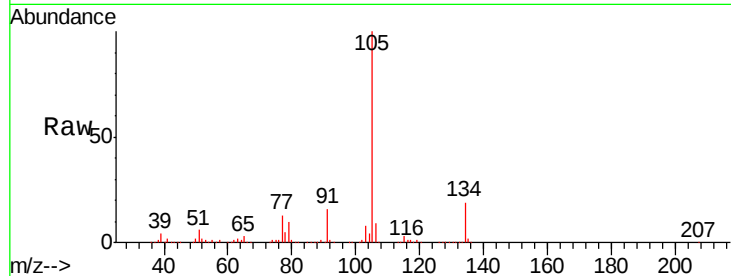




#85
 sec-Butylbenzene
 Concen: 56.286 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

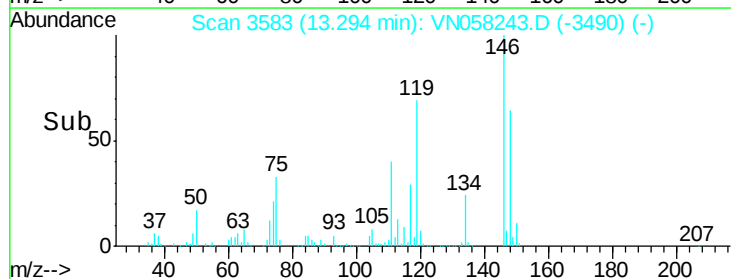
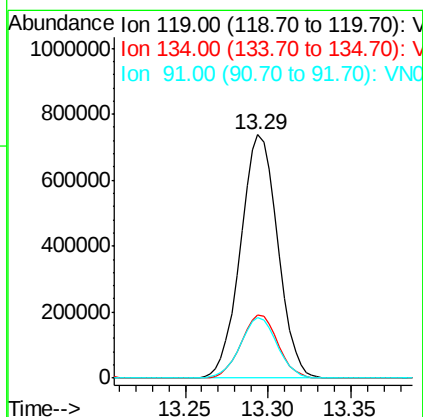
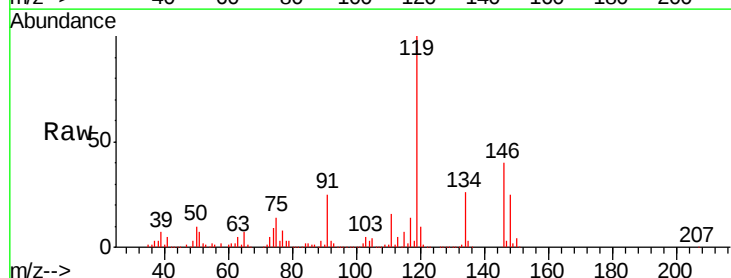
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

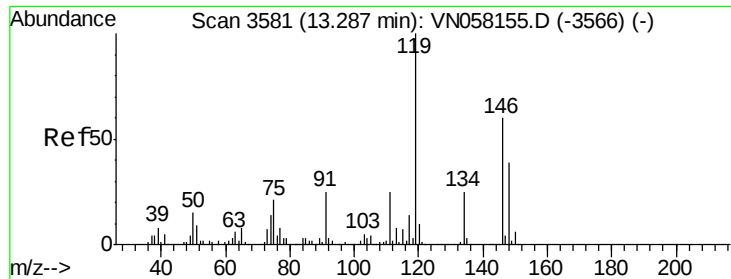
Tgt Ion:105 Resp: 1284107
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 56.550 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion:119 Resp: 1146931
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.7 38.0
 91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 53.191 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

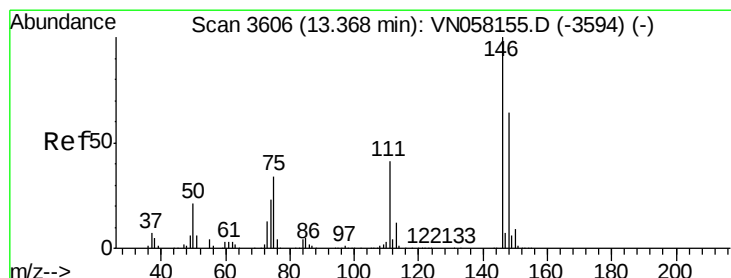
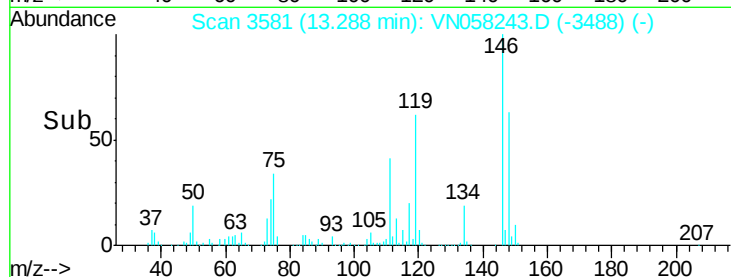
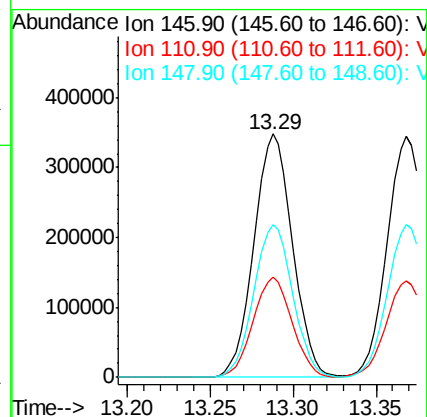
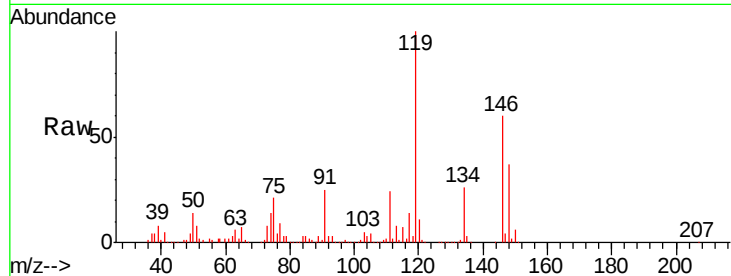
Tgt Ion:146 Resp: 565375

Ion Ratio Lower Upper

146 100

111 41.6 20.9 62.8

148 63.1 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 51.861 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

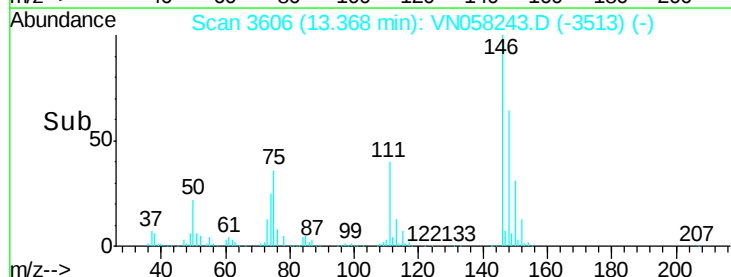
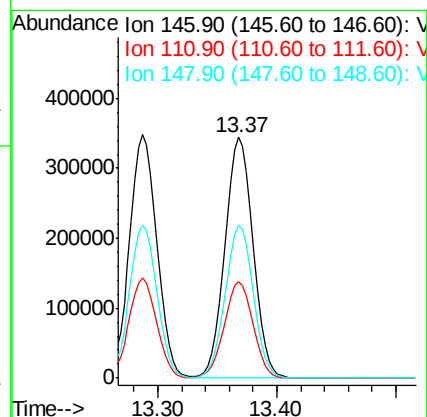
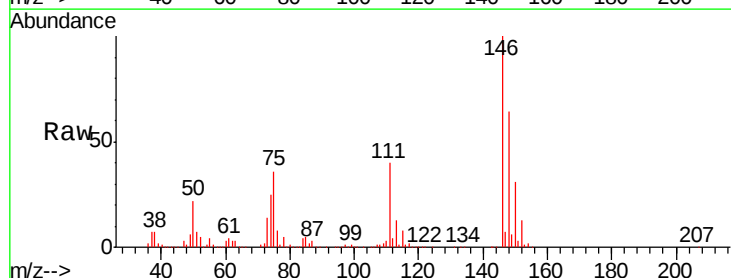
Tgt Ion:146 Resp: 562764

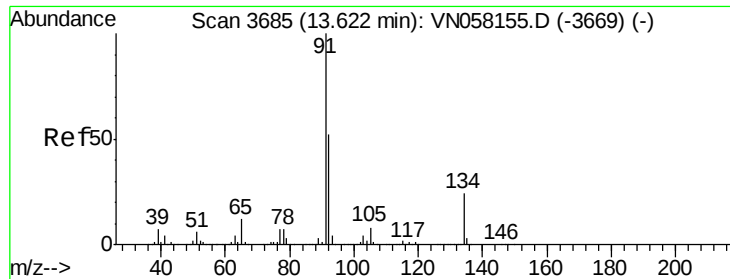
Ion Ratio Lower Upper

146 100

111 41.0 20.5 61.5

148 63.8 31.9 95.5





#89

n-Butylbenzene

Concen: 56.468 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

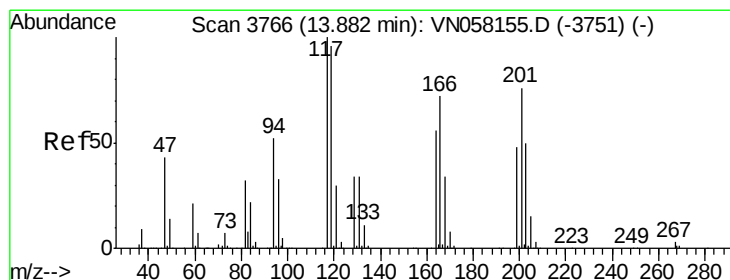
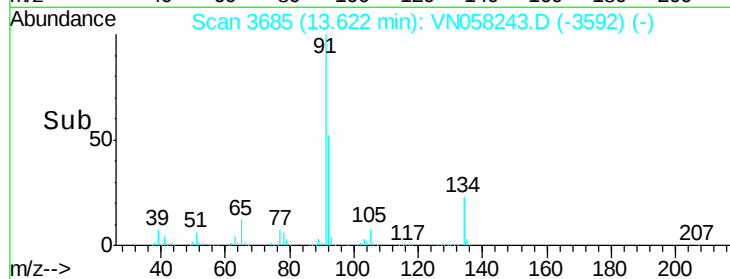
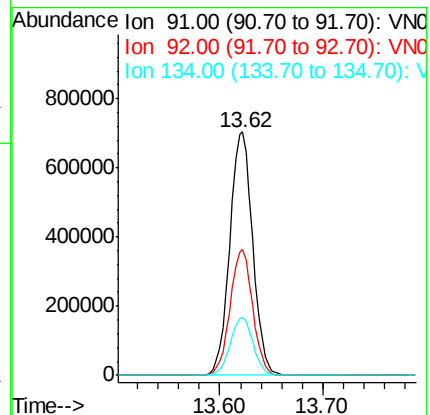
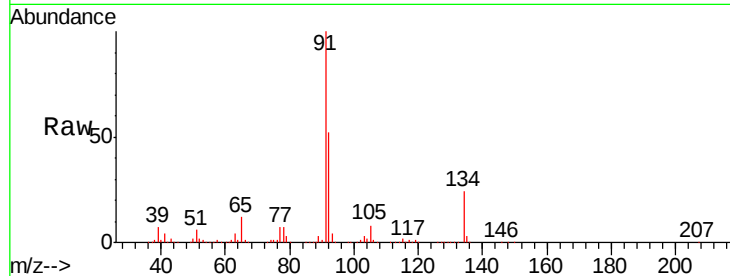
Tgt Ion: 91 Resp: 1085802

Ion Ratio Lower Upper

91 100

92 51.2 25.7 77.0

134 23.8 11.8 35.4



#90

Hexachloroethane

Concen: 50.086 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058243.D

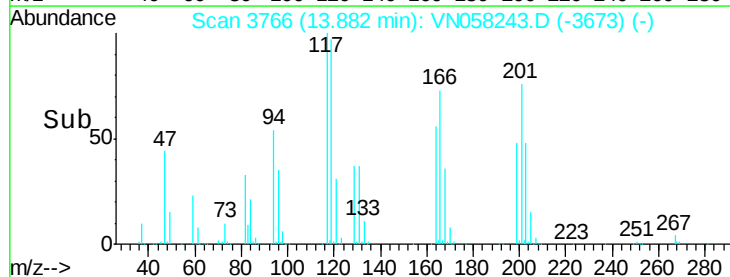
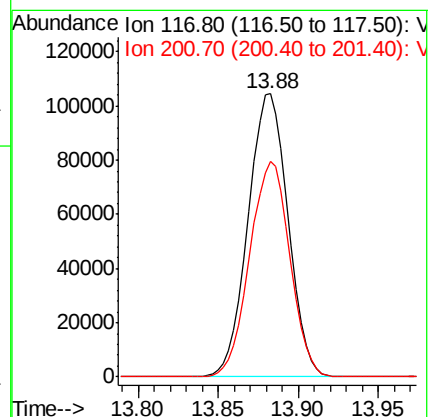
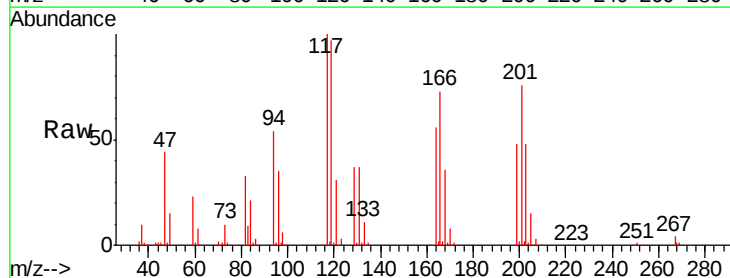
Acq: 20 Sep 2019 12:26

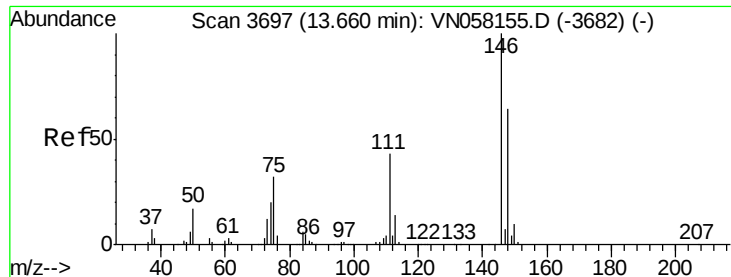
Tgt Ion: 117 Resp: 178152

Ion Ratio Lower Upper

117 100

201 76.7 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 53.116 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

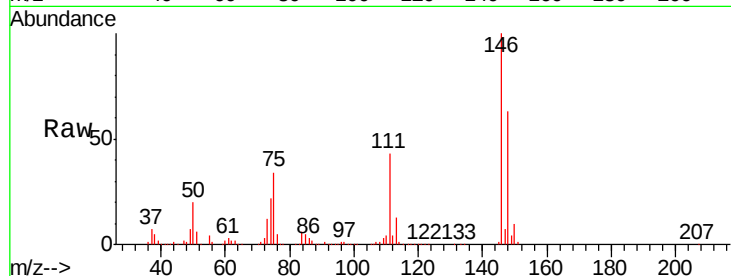
Tgt Ion:146 Resp: 566326

Ion Ratio Lower Upper

146 100

111 43.7 21.1 63.1

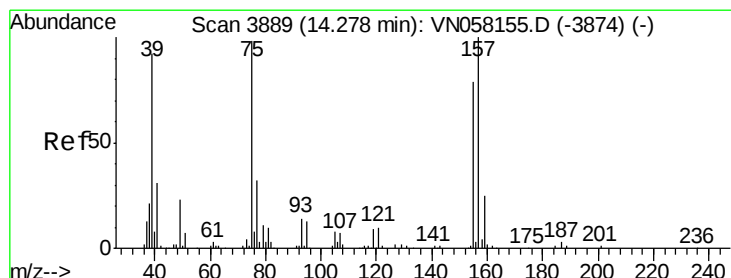
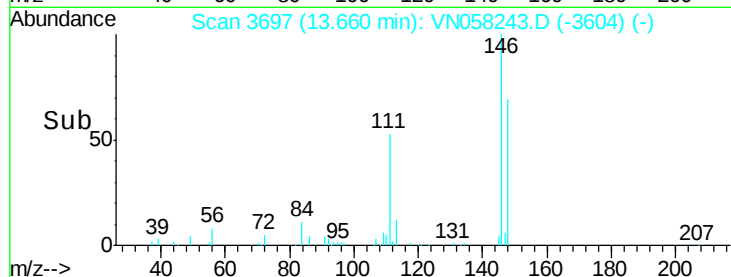
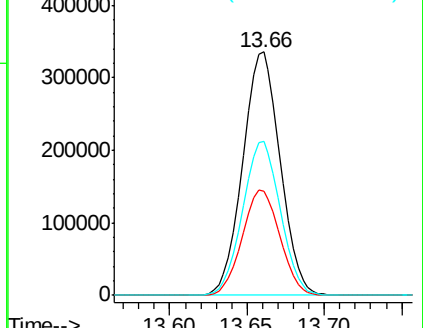
148 63.7 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.098 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058243.D

Acq: 20 Sep 2019 12:26

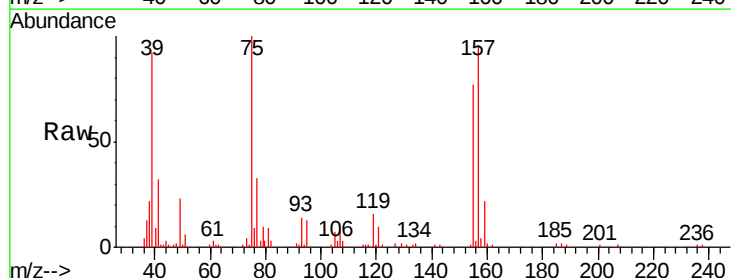
Tgt Ion: 75 Resp: 76848

Ion Ratio Lower Upper

75 100

155 74.6 38.3 114.8

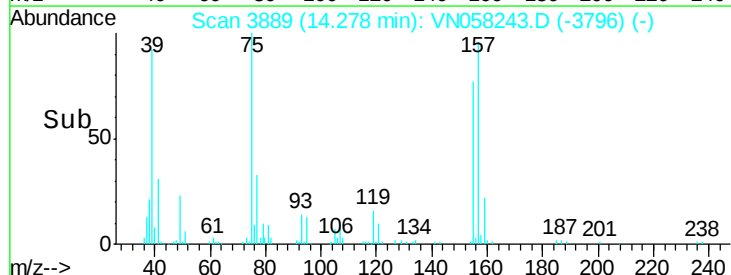
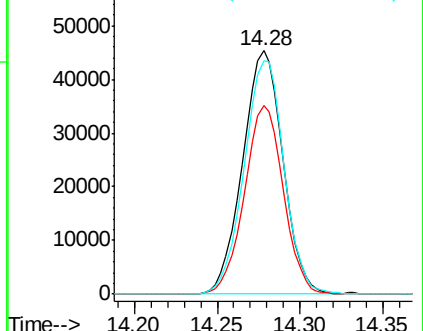
157 95.2 48.0 144.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

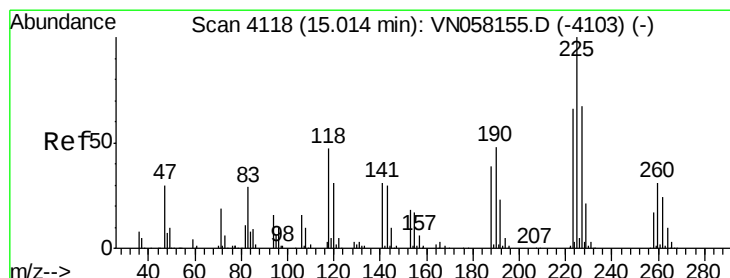
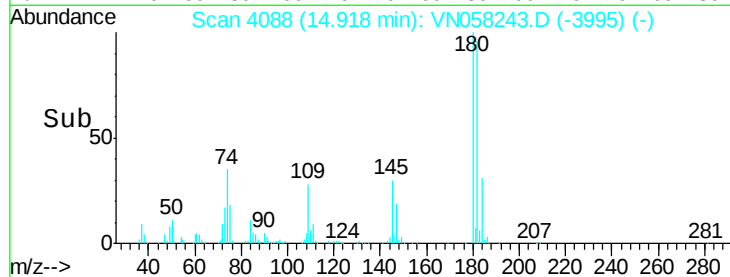
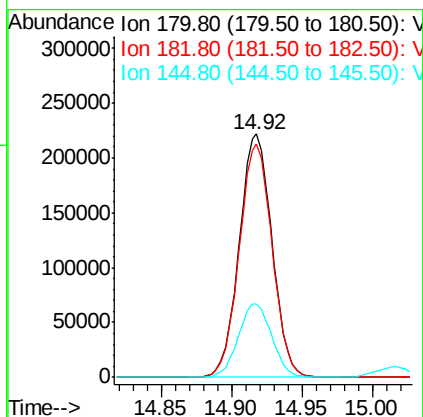
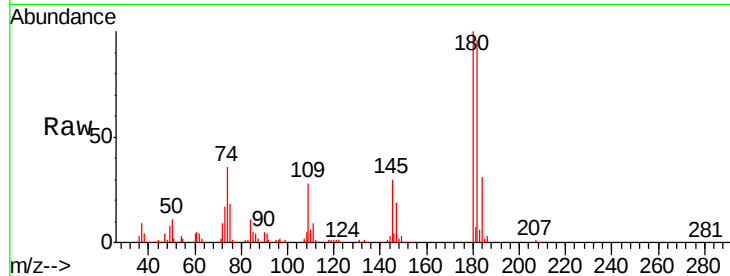




#93
 1,2,4-Trichlorobenzene
 Concen: 53.103 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

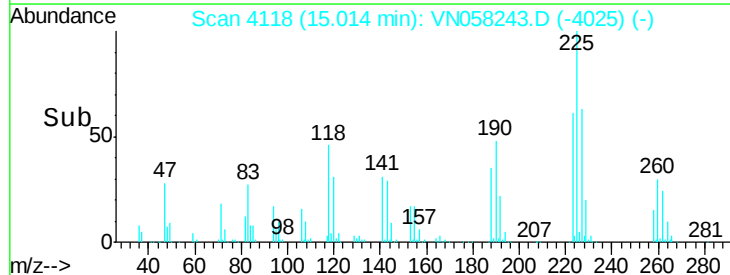
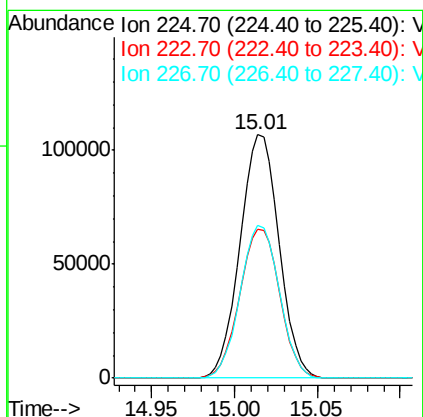
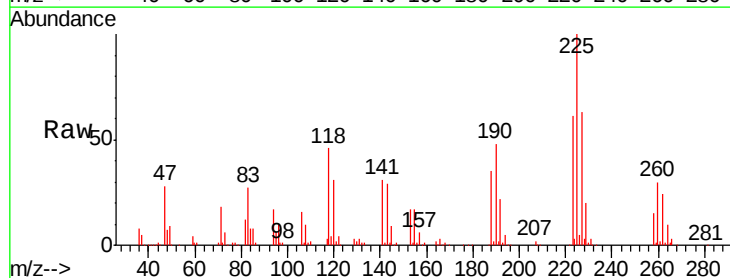
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

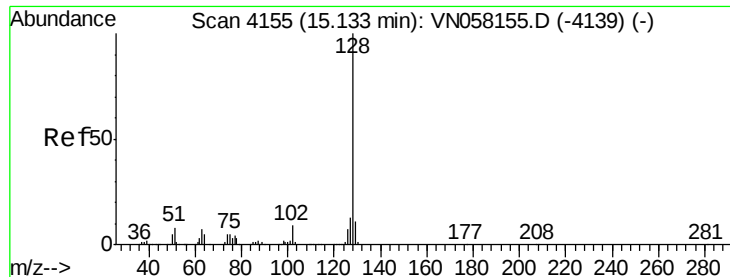
Tgt Ion:180 Resp: 361754
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.8 143.3
 145 30.7 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 53.178 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058243.D
 Acq: 20 Sep 2019 12:26

Tgt Ion:225 Resp: 175095
 Ion Ratio Lower Upper
 225 100
 223 62.8 32.6 97.7
 227 63.0 33.0 99.0

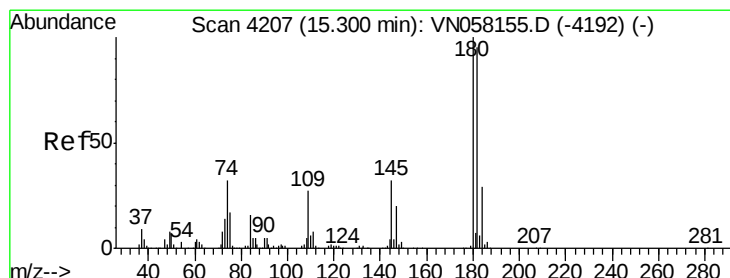
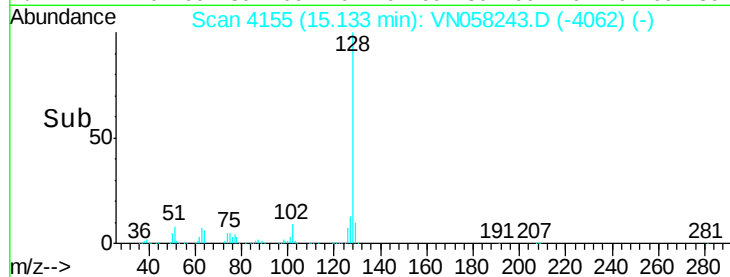
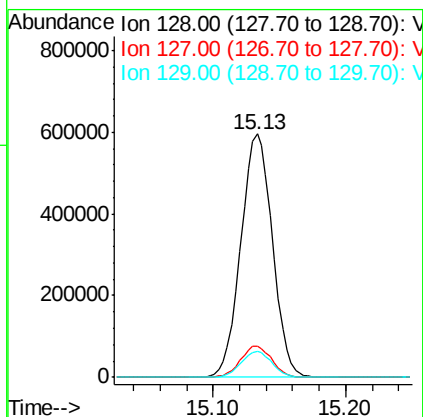
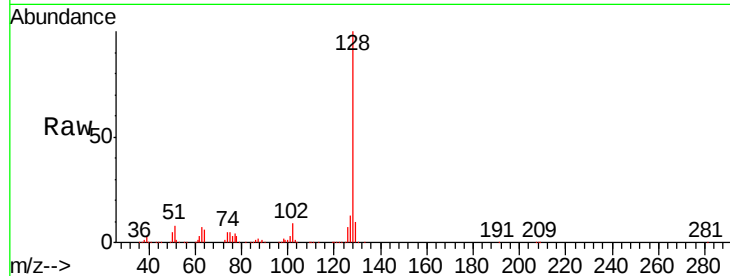




#95
Naphthalene
Concen: 55.785 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 984854
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.073 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058243.D
Acq: 20 Sep 2019 12:26

Tgt Ion:180 Resp: 341729
Ion Ratio Lower Upper
180 100
182 97.0 47.4 142.2
145 32.7 16.1 48.2

