

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058048.D
 Acq On : 14 Sep 2019 3:05
 Operator : JC/SP
 Sample : K4694-38
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 14 03:43:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	318879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	521459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	301867	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	334974	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
35) Dibromofluoromethane	7.58	113	239029	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.09	98	952543	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	349868	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	218295	49.500	ug/l	100
3) Chloromethane	2.04	50	183961	40.928	ug/l	100
4) Vinyl Chloride	2.17	62	194195	40.823	ug/l	99
5) Bromomethane	2.54	94	116271	44.305	ug/l	98
6) Chloroethane	2.68	64	124640	41.118	ug/l	98
7) Trichlorofluoromethane	3.00	101	261732	43.721	ug/l	100
8) Diethyl Ether	3.39	74	121543	48.678	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	186683	49.433	ug/l	99
10) Methyl Iodide	3.93	142	192383	45.779	ug/l	100
11) Tert butyl alcohol	4.76	59	198142	253.475	ug/l	99
12) 1,1-Dichloroethene	3.72	96	156584	46.115	ug/l	93
13) Acrolein	3.59	56	27312	41.183	ug/l	97
14) Allyl chloride	4.30	41	305284	45.942	ug/l	98
15) Acrylonitrile	4.96	53	559420	260.367	ug/l	100
16) Acetone	3.79	43	477153	225.363	ug/l	100
17) Carbon Disulfide	4.03	76	218230	41.322	ug/l	99
18) Methyl Acetate	4.30	43	319906	56.668	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	740320	52.390	ug/l	99
20) Methylene Chloride	4.53	84	220373	54.792	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	174723	47.601	ug/l	98
22) Diisopropyl ether	5.93	45	817753	52.477	ug/l	96
23) Vinyl Acetate	5.87	43	2954320	267.509	ug/l	100
24) 1,1-Dichloroethane	5.83	63	440298	51.699	ug/l	99
25) 2-Butanone	6.82	43	757059	247.048	ug/l	99
26) 2,2-Dichloropropane	6.81	77	254567	37.770	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	245967	50.004	ug/l	100
28) Bromochloromethane	7.18	49	224811	52.837	ug/l	96
29) Tetrahydrofuran	7.19	42	489634	259.297	ug/l	99
30) Chloroform	7.36	83	461477	51.823	ug/l	97
31) Cyclohexane	7.64	56	291787	50.289	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	359909	50.961	ug/l	98
36) 1,1-Dichloropropene	7.78	75	283751	46.920	ug/l	100
37) Ethyl Acetate	6.91	43	305651	48.918	ug/l	99
38) Carbon Tetrachloride	7.76	117	280388	50.782	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	294081	46.258	ug/l	98
40) Benzene	8.03	78	907011	49.816	ug/l	99
41) Methacrylonitrile	7.19	41	475393	167.611	ug/l #	39
42) 1,2-Dichloroethane	8.11	62	378489	51.978	ug/l	100
43) Isopropyl Acetate	8.15	43	600983	57.196	ug/l	96
44) Trichloroethene	8.83	130	218216	48.865	ug/l	98
45) 1,2-Dichloropropane	9.11	63	272715	51.475	ug/l	100
46) Dibromomethane	9.20	93	165550	51.711	ug/l	99
47) Bromodichloromethane	9.40	83	343585	53.744	ug/l	98
48) Methyl methacrylate	9.19	41	275080	51.609	ug/l	100
49) 1,4-Dioxane	9.19	88	85034	943.391	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1698112	273.095	ug/l	100
52) Toluene	10.15	92	573798	50.037	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	342503	50.875	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	375967	50.582	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	258706	53.259	ug/l	98
56) Ethyl methacrylate	10.43	69	379254	51.847	ug/l	99
57) 1,3-Dichloropropane	10.71	76	432628	51.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	831548	241.360	ug/l	99
59) 2-Hexanone	10.75	43	1212002	260.050	ug/l	100
60) Dibromochloromethane	10.90	129	242276	53.712	ug/l	98
61) 1,2-Dibromoethane	11.00	107	240472	52.364	ug/l	100
64) Tetrachloroethene	10.63	164	187628	51.891	ug/l	99
65) Chlorobenzene	11.43	112	649403	50.670	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	239039	53.751	ug/l	99
67) Ethyl Benzene	11.51	91	1170616	52.118	ug/l	100
68) m/p-Xylenes	11.62	106	860179	104.550	ug/l	99
69) o-Xylene	11.95	106	427136	52.222	ug/l	97
70) Styrene	11.97	104	759128	53.929	ug/l	99
71) Bromoform	12.13	173	149534	53.932	ug/l	97
73) Isopropylbenzene	12.25	105	1200778	51.263	ug/l	99
74) N-amyl acetate	12.07	43	511167	50.143	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	388677	49.282	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	453593	66.424	ug/l #	100
77) Bromobenzene	12.53	156	282693	48.406	ug/l	97
78) n-propylbenzene	12.59	91	1414898	52.603	ug/l	99
79) 2-Chlorotoluene	12.68	91	840218	49.424	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1041193	52.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	84903	43.753	ug/l	95
82) 4-Chlorotoluene	12.78	91	891952	51.091	ug/l	100
83) tert-Butylbenzene	13.00	119	897050	50.989	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1054782	52.437	ug/l	99
85) sec-Butylbenzene	13.18	105	1224546	52.514	ug/l	99
86) p-Isopropyltoluene	13.29	119	1101214	53.598	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	537109	50.106	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	542984	49.903	ug/l	100
89) n-Butylbenzene	13.62	91	1004442	51.768	ug/l	100
90) Hexachloroethane	13.88	117	160554	52.544	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	540350	50.457	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	70825	54.378	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

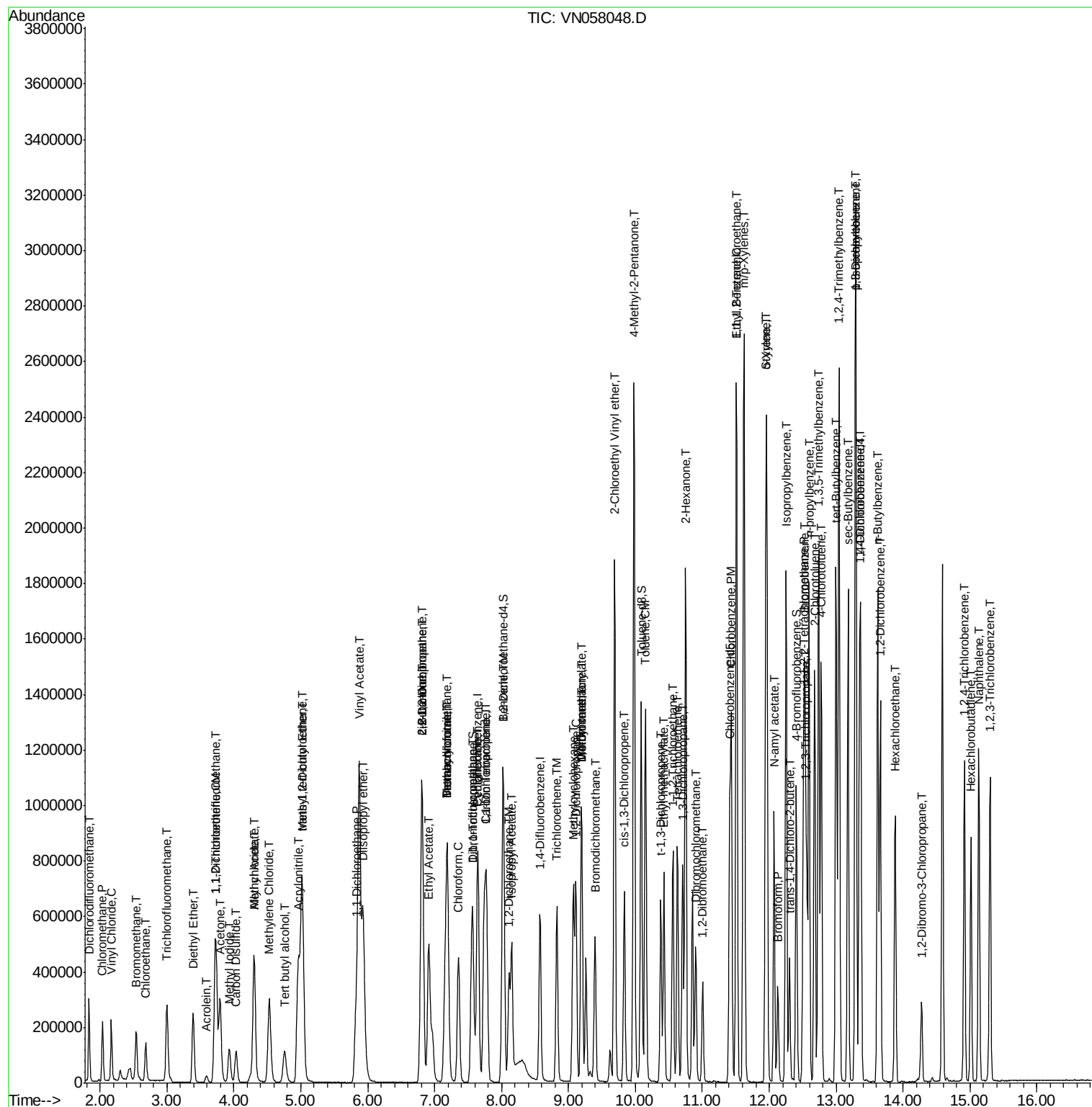
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	339137	48.450	ug/l	99
94) Hexachlorobutadiene	15.01	225	152005	51.228	ug/l	98
95) Naphthalene	15.13	128	962622	54.619	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	323584	52.894	ug/l	99

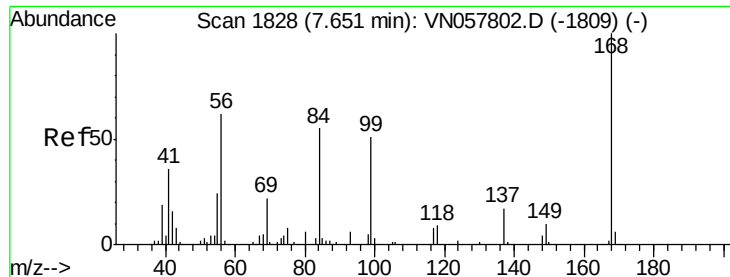
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

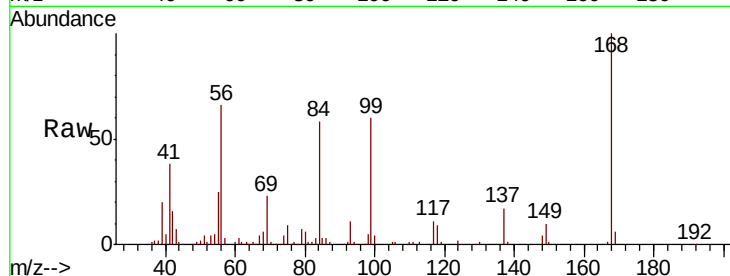
VSTDCCC050EC

Tgt Ion:168 Resp: 318879

Ion Ratio Lower Upper

168 100

99 60.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

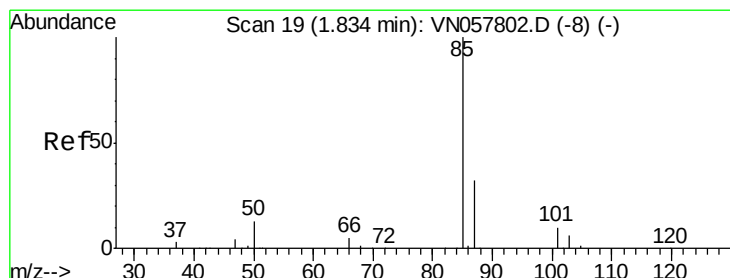
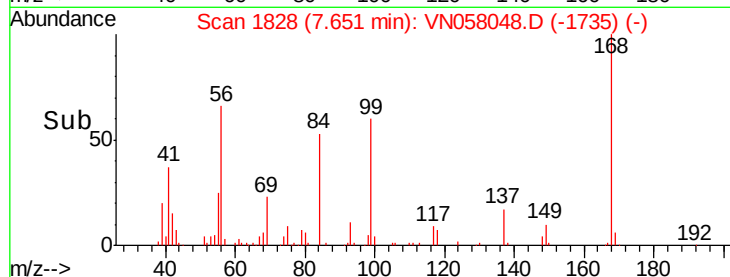
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.500 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058048.D

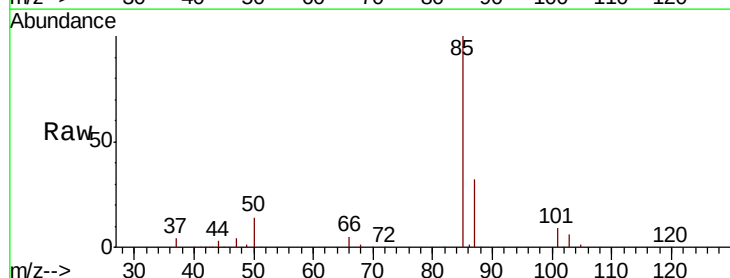
Acq: 14 Sep 2019 3:05

Tgt Ion: 85 Resp: 218295

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

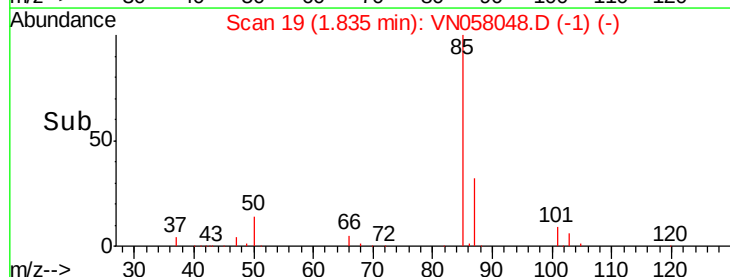
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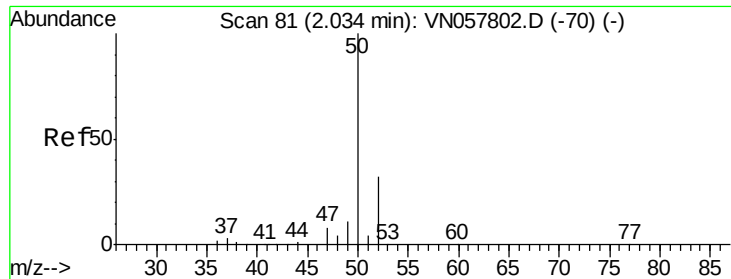
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 40.928 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

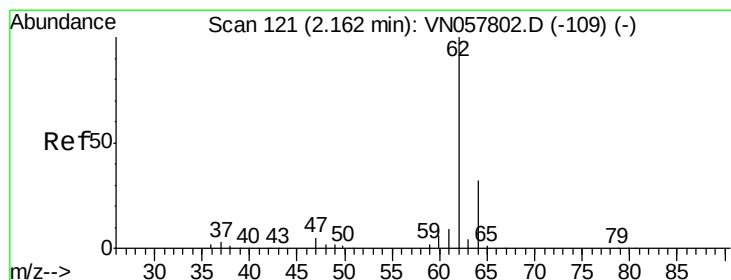
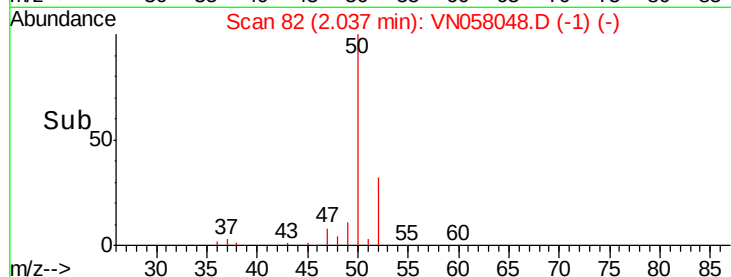
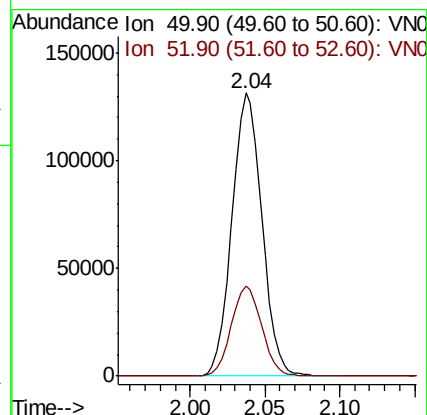
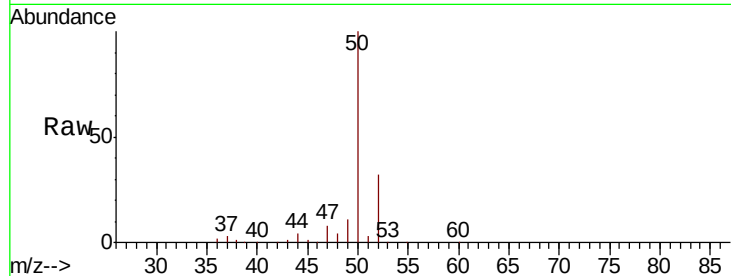
VSTDCCC050EC

Tgt Ion: 50 Resp: 183961

Ion Ratio Lower Upper

50 100

52 31.7 25.5 38.3



#4

Vinyl Chloride

Concen: 40.823 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058048.D

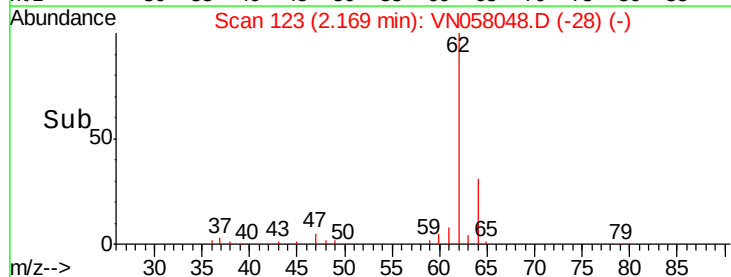
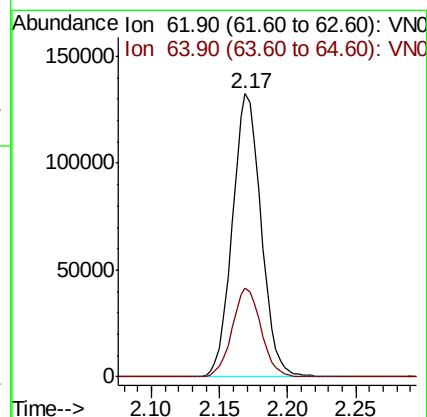
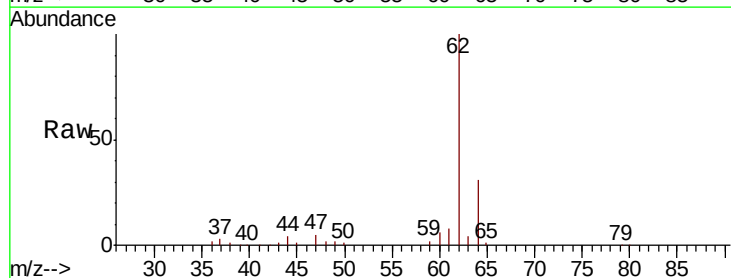
Acq: 14 Sep 2019 3:05

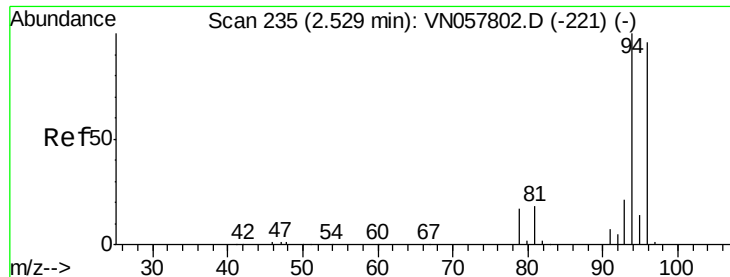
Tgt Ion: 62 Resp: 194195

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4

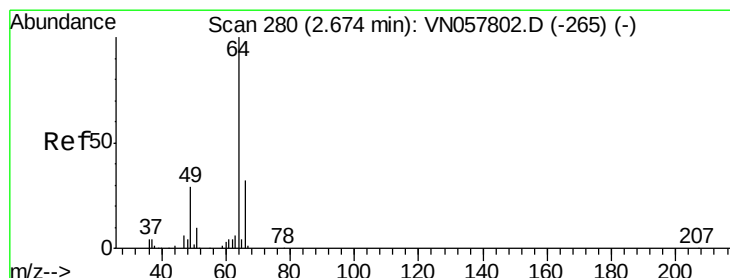
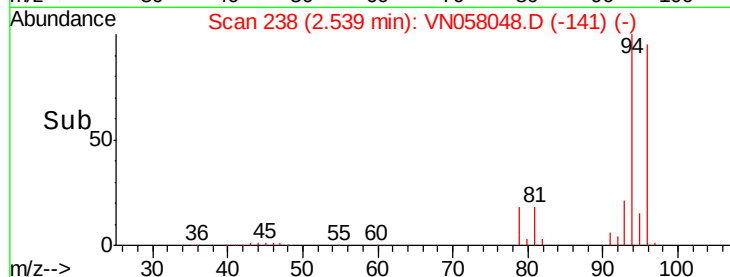
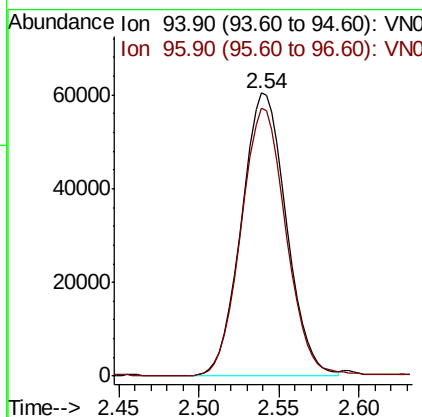
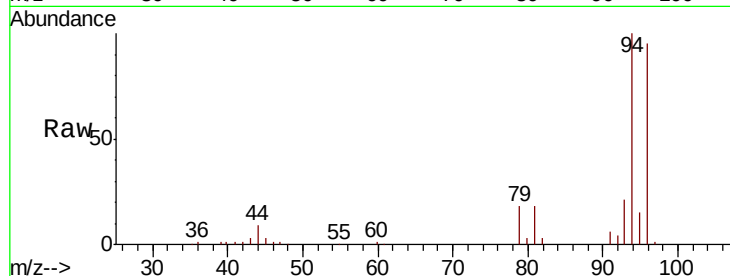




#5
Bromomethane
Concen: 44.305 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.01 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

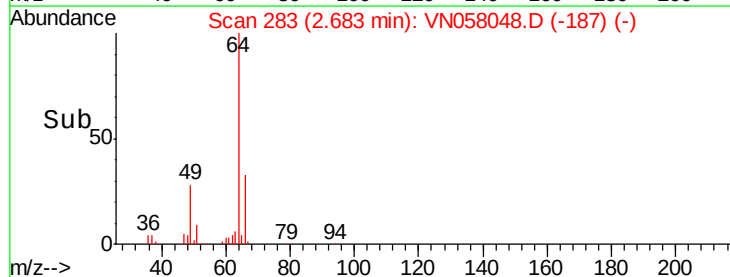
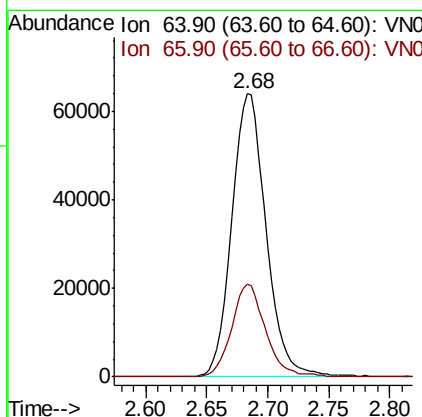
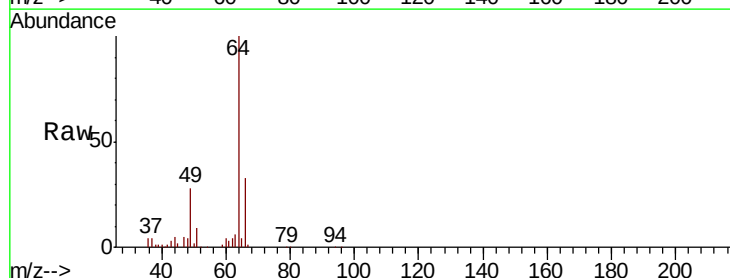
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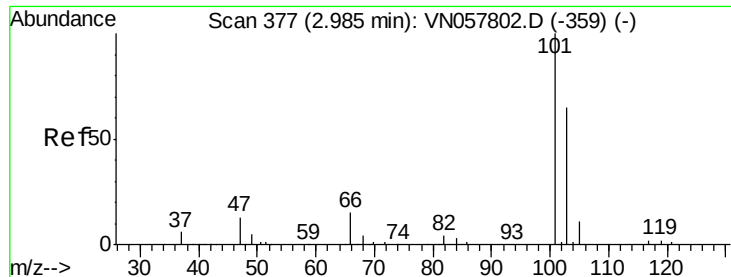
Tgt Ion: 94 Resp: 116271
Ion Ratio Lower Upper
94 100
96 94.5 77.0 115.4



#6
Chloroethane
Concen: 41.118 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.01 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 64 Resp: 124640
Ion Ratio Lower Upper
64 100
66 33.0 25.5 38.3



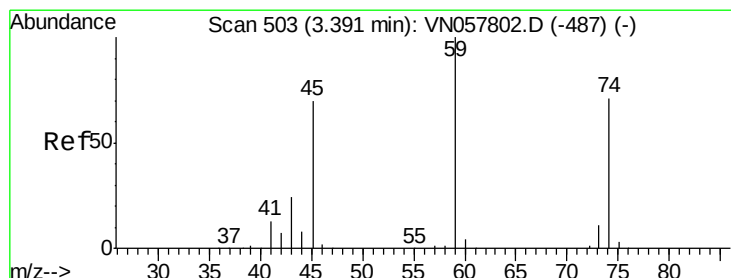
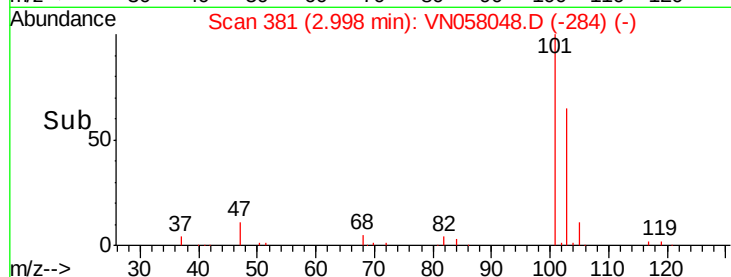
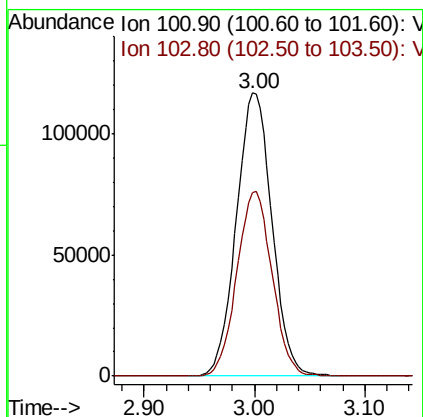
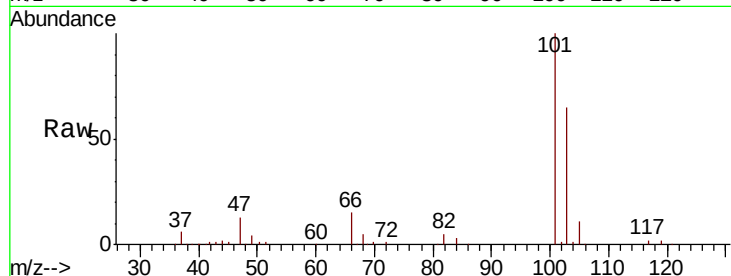


#7

Trichlorofluoromethane
 Concen: 43.721 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
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 VSTDCCC050EC

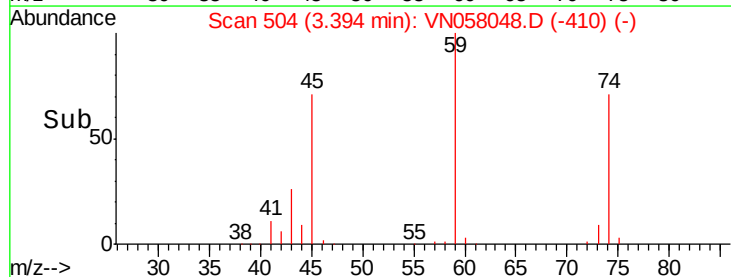
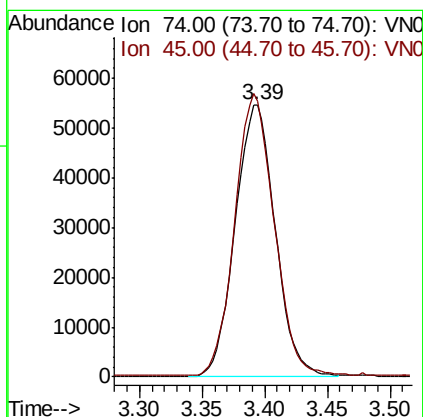
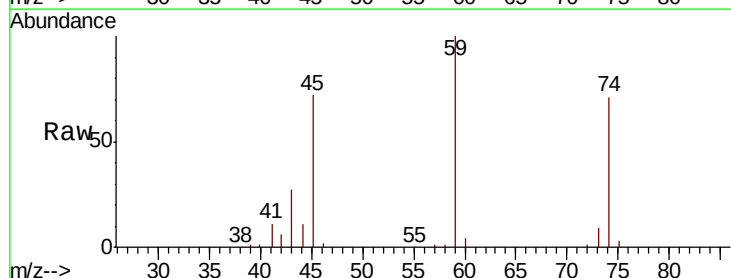
Tgt Ion:101 Resp: 261732
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.9 77.9

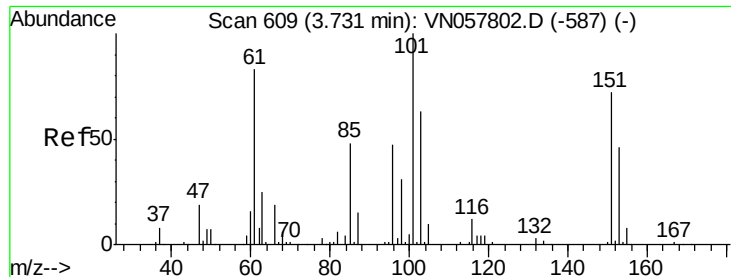


#8

Diethyl Ether
 Concen: 48.678 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 74 Resp: 121543
 Ion Ratio Lower Upper
 74 100
 45 101.2 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.433 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

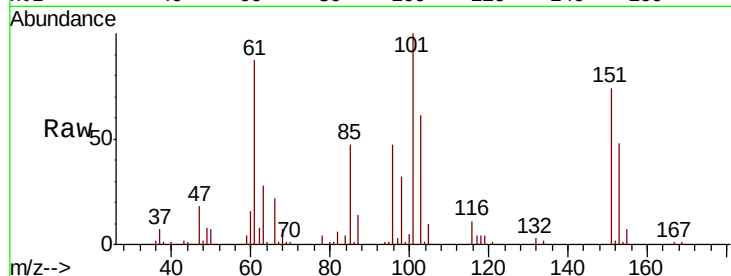
Tgt Ion:101 Resp: 186683

Ion Ratio Lower Upper

101 100

85 47.0 38.1 57.1

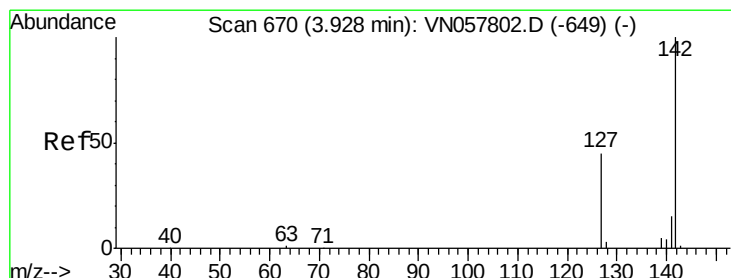
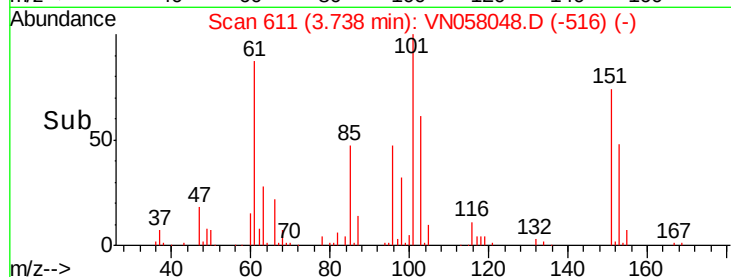
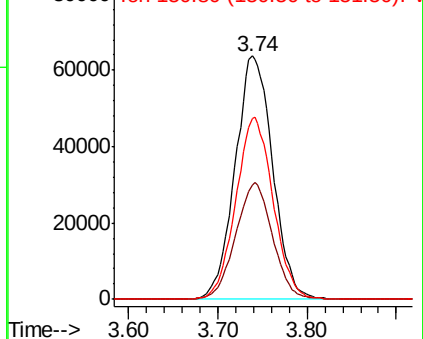
151 74.1 58.4 87.6



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: 45.779 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

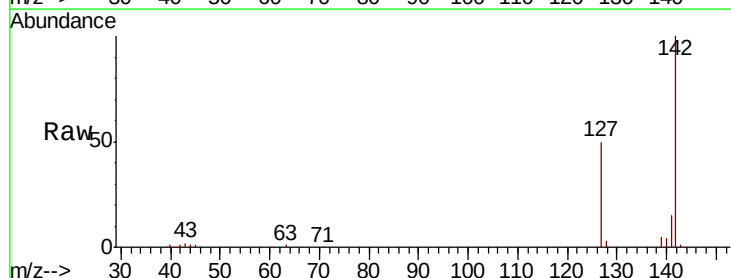
Tgt Ion:142 Resp: 192383

Ion Ratio Lower Upper

142 100

127 46.1 36.7 55.1

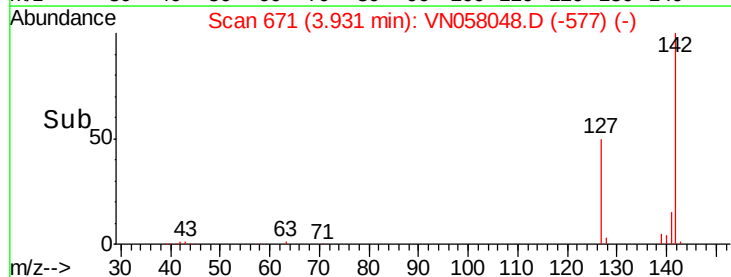
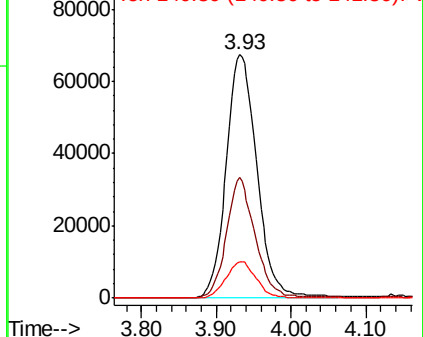
141 14.7 11.4 17.0

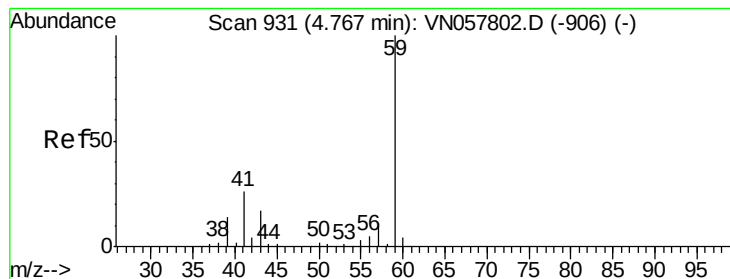


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 253.475 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

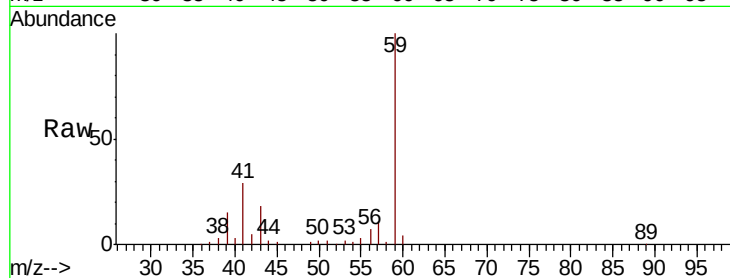
VSTDCCC050EC

Tgt Ion: 59 Resp: 198142

Ion Ratio Lower Upper

59 100

57 10.9 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.76

60000

50000

40000

30000

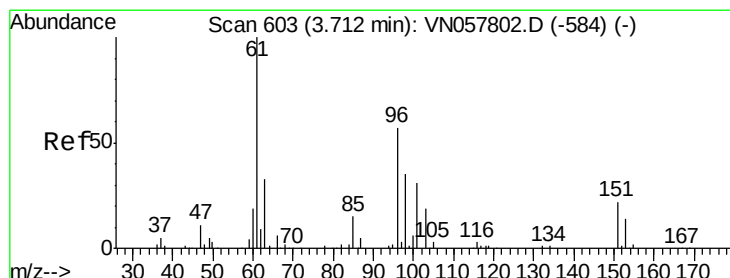
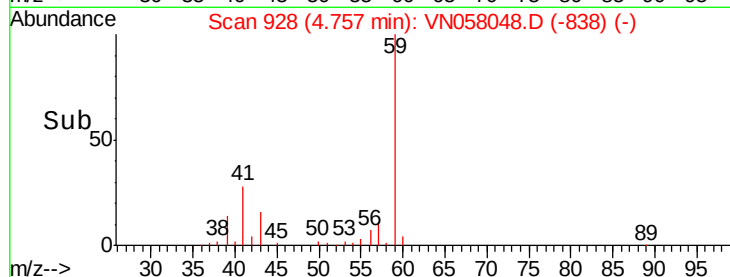
20000

10000

0

Time-->

4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 46.115 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.01 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

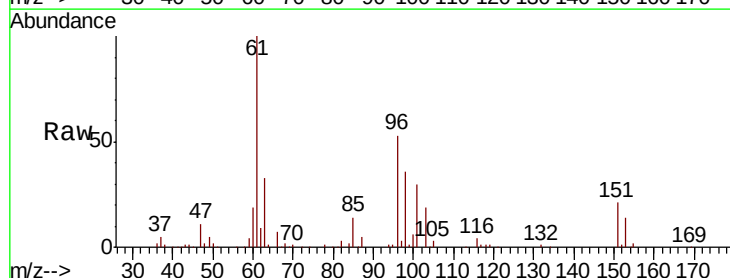
Tgt Ion: 96 Resp: 156584

Ion Ratio Lower Upper

96 100

61 186.7 141.2 211.8

98 66.9 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

150000

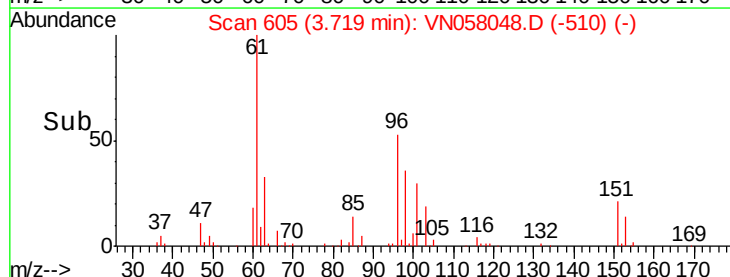
100000

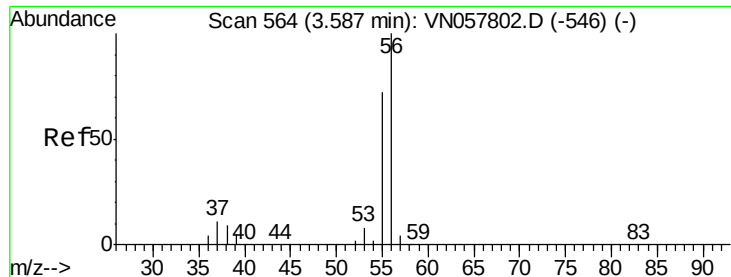
50000

0

Time-->

3.60 3.70 3.80





#13

Acrolein

Concen: 41.183 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

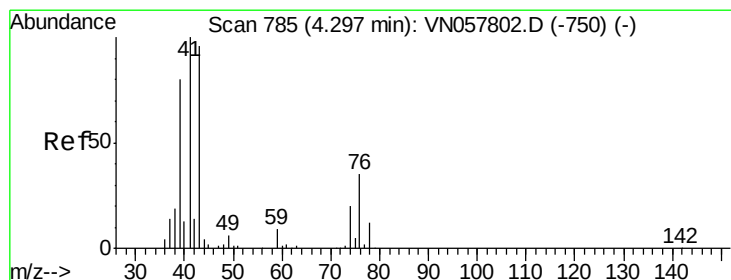
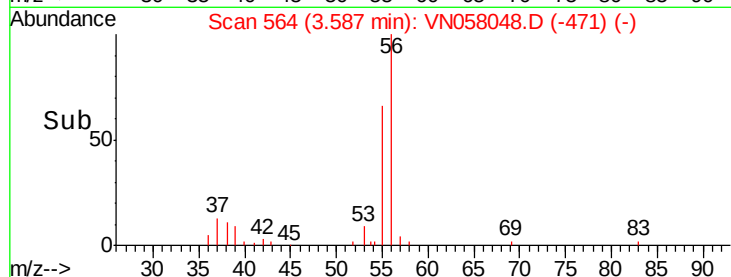
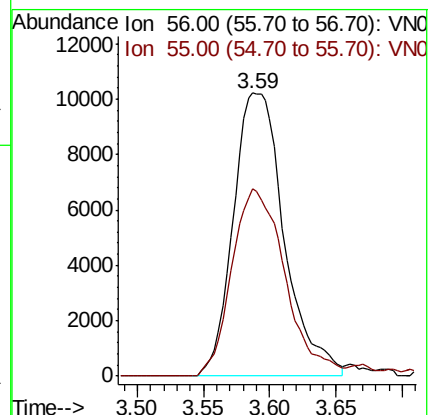
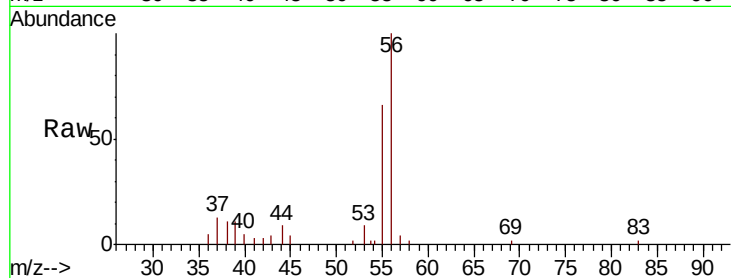
VSTDCCC050EC

Tgt Ion: 56 Resp: 27312

Ion Ratio Lower Upper

56 100

55 69.1 57.3 85.9



#14

Allyl chloride

Concen: 45.942 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

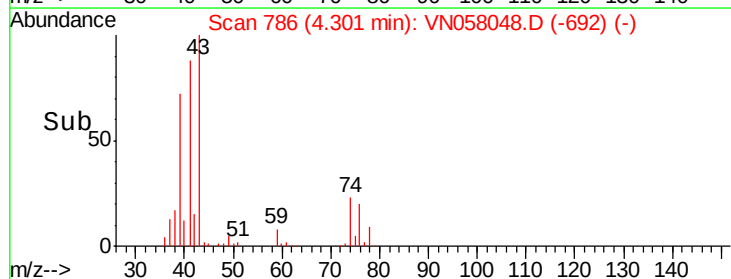
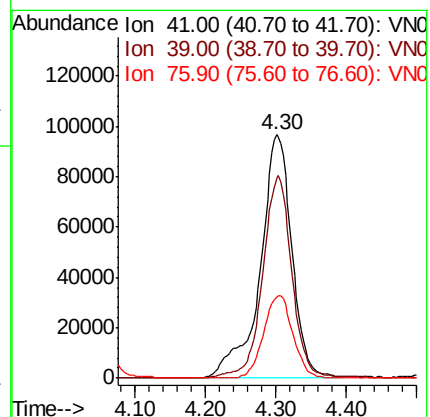
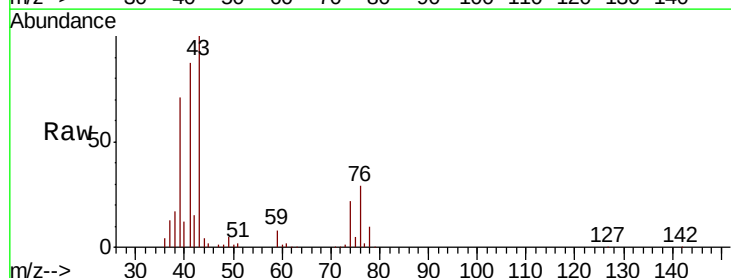
Tgt Ion: 41 Resp: 305284

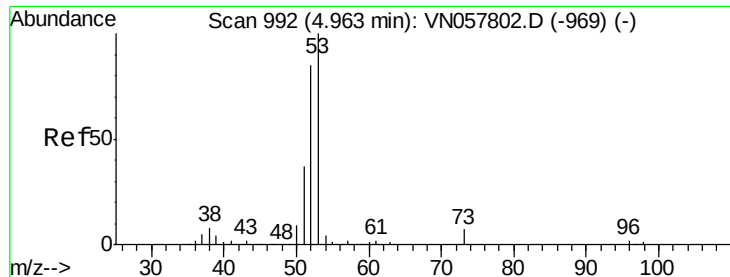
Ion Ratio Lower Upper

41 100

39 75.2 59.4 89.2

76 31.1 26.0 39.0





#15

Acrylonitrile

Concen: 260.367 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

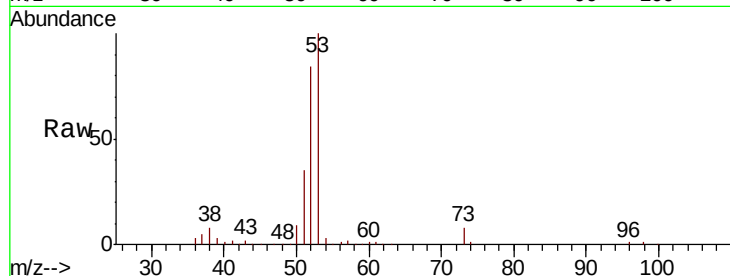
Tgt Ion: 53 Resp: 559420

Ion Ratio Lower Upper

53 100

52 83.2 66.6 100.0

51 37.1 29.8 44.8



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

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

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

4.96

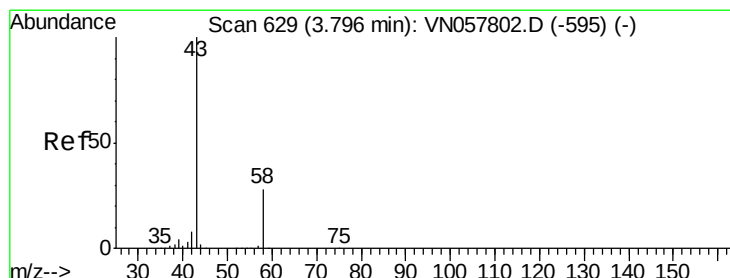
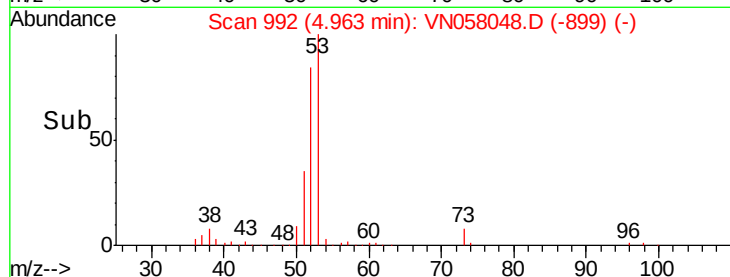
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 225.363 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058048.D

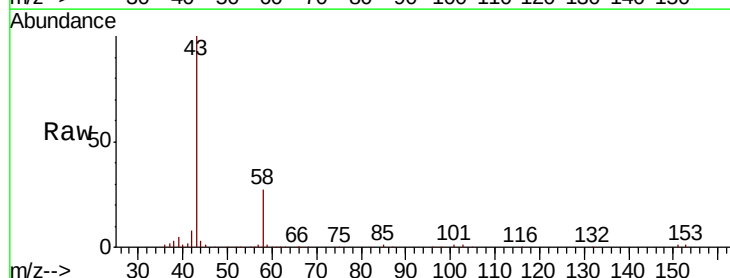
Acq: 14 Sep 2019 3:05

Tgt Ion: 43 Resp: 477153

Ion Ratio Lower Upper

43 100

58 27.5 22.2 33.2



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

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

3.79

200000

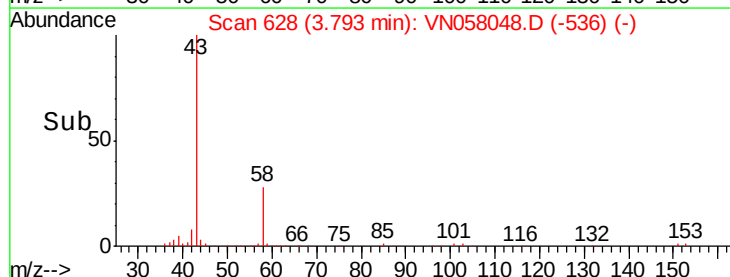
150000

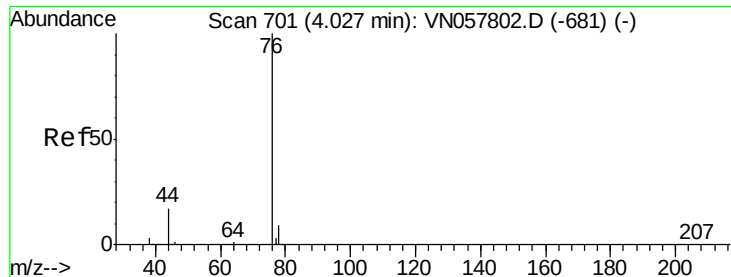
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 41.322 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

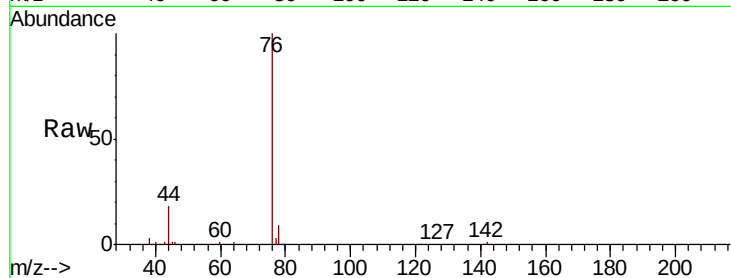
VSTDCCC050EC

Tgt Ion: 76 Resp: 218230

Ion Ratio Lower Upper

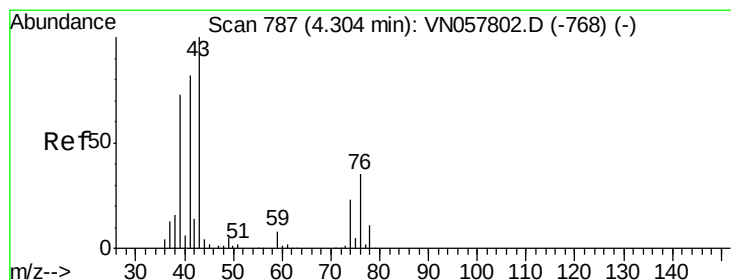
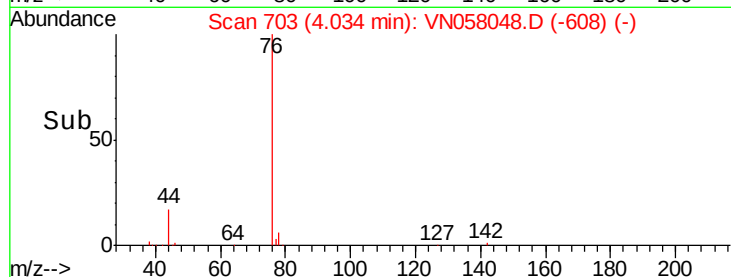
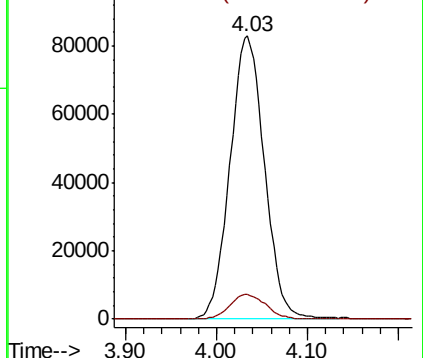
76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 56.668 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058048.D

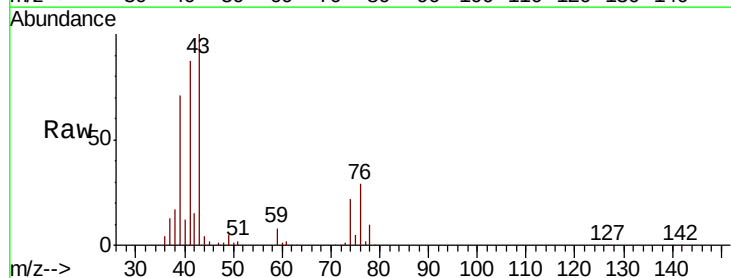
Acq: 14 Sep 2019 3:05

Tgt Ion: 43 Resp: 319906

Ion Ratio Lower Upper

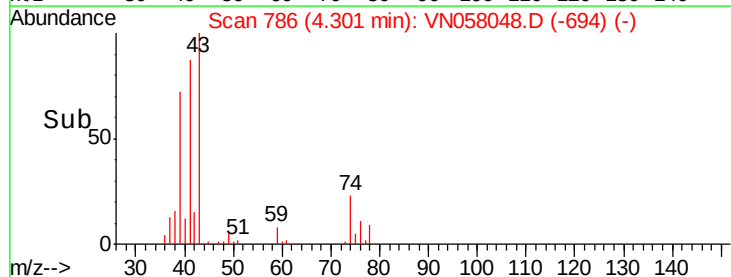
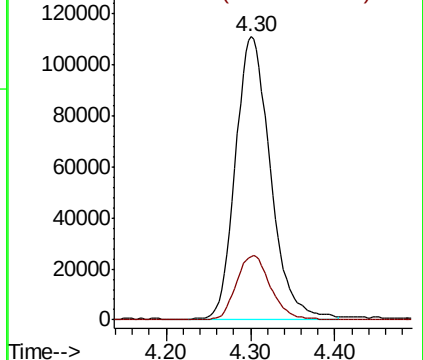
43 100

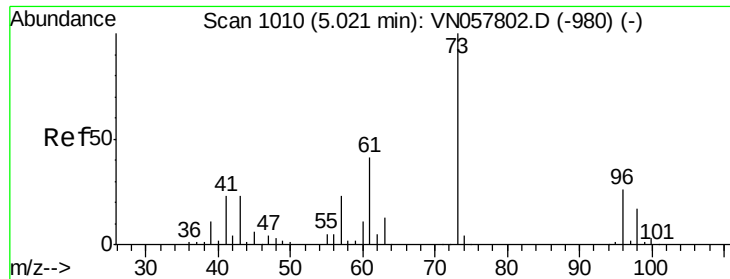
74 22.4 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

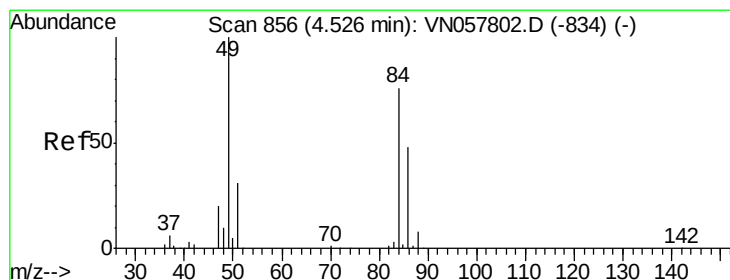
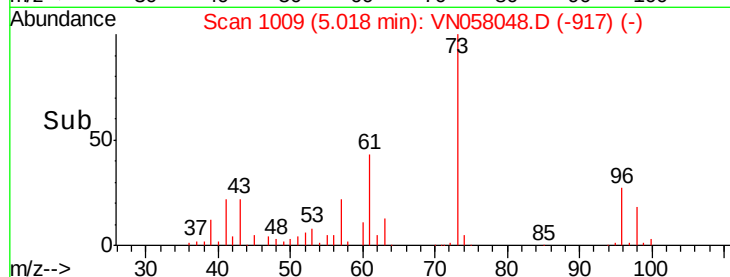
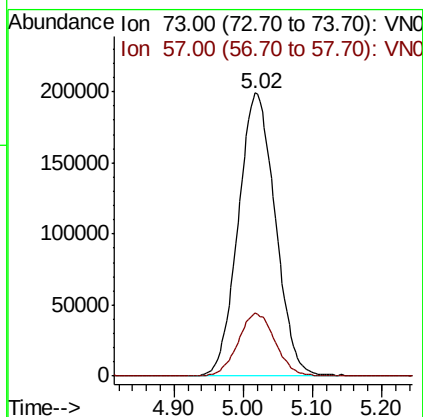
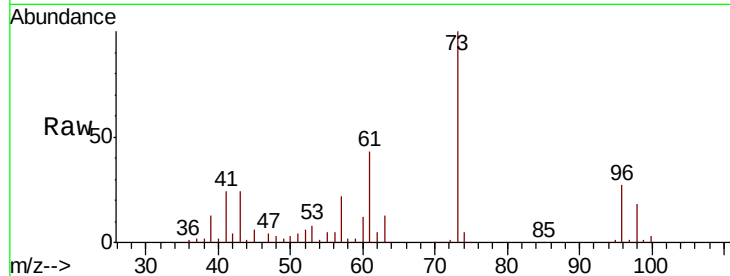




#19
Methyl tert-butyl Ether
Concen: 52.390 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

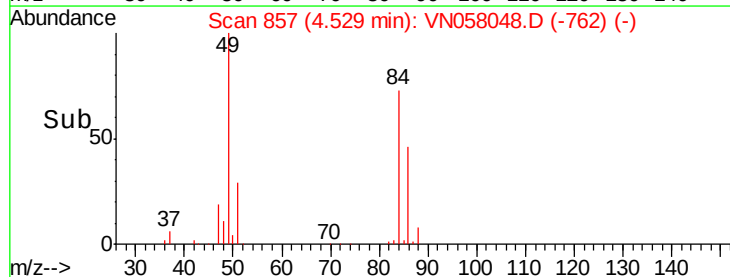
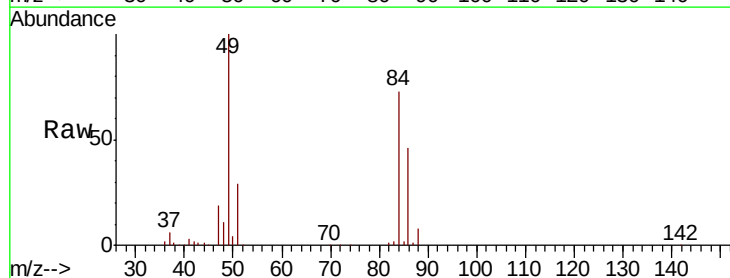
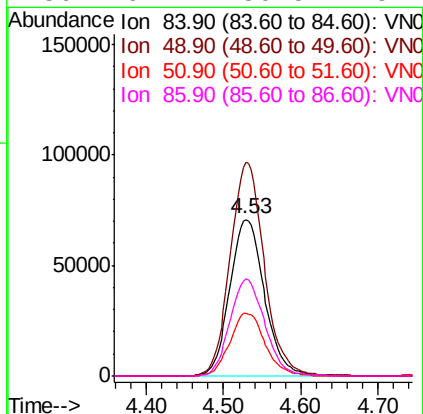
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

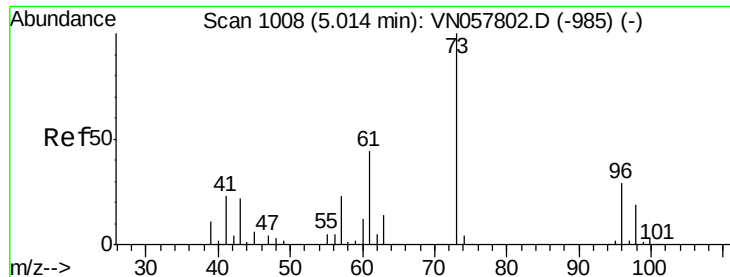
Tgt Ion: 73 Resp: 740320
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.2



#20
Methylene Chloride
Concen: 54.792 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 84 Resp: 220373
Ion Ratio Lower Upper
84 100
49 136.4 104.8 157.2
51 40.0 33.0 49.4
86 62.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 47.601 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

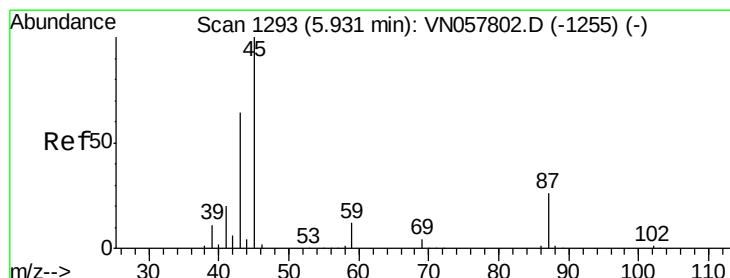
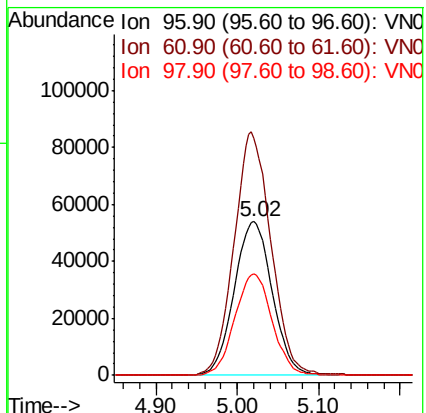
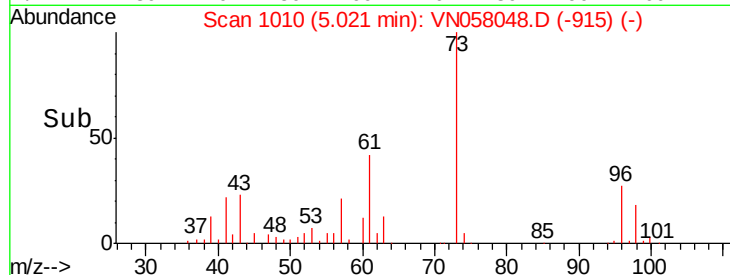
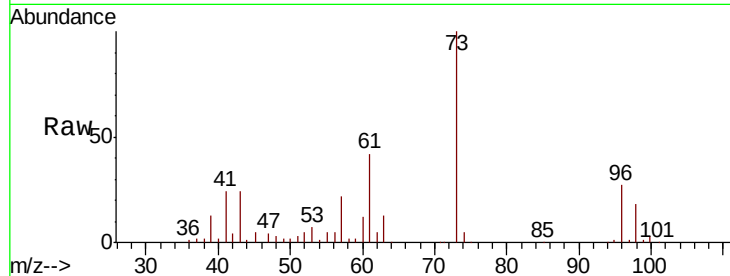
Tgt Ion: 96 Resp: 174723

Ion Ratio Lower Upper

96 100

61 154.8 121.9 182.9

98 65.9 52.2 78.4



#22

Diisopropyl ether

Concen: 52.477 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Tgt Ion: 45 Resp: 817753

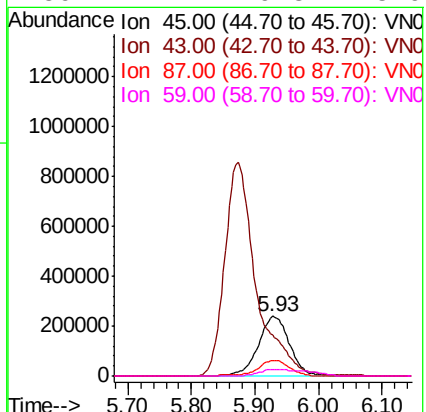
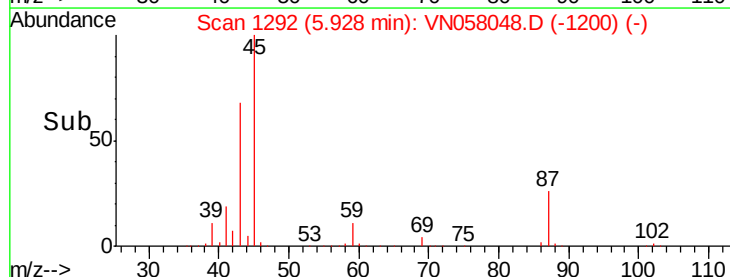
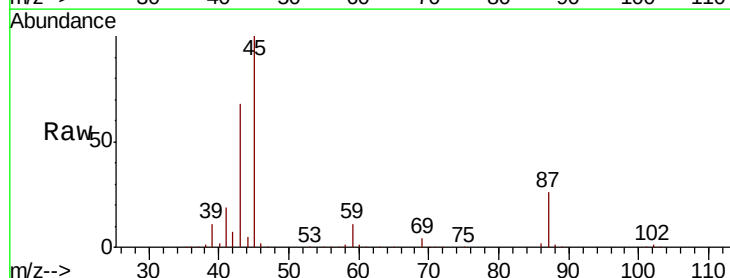
Ion Ratio Lower Upper

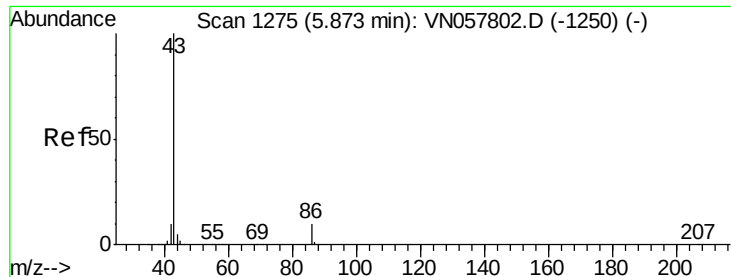
45 100

43 68.3 51.4 77.2

87 25.8 21.3 31.9

59 11.4 9.3 13.9

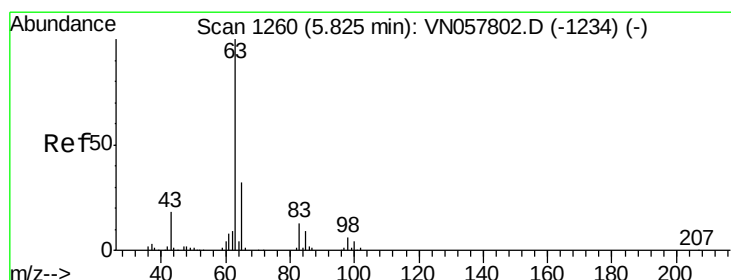
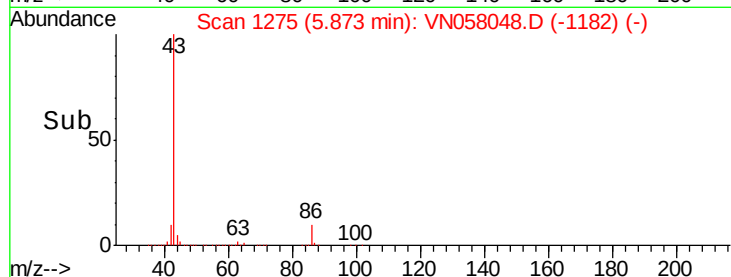
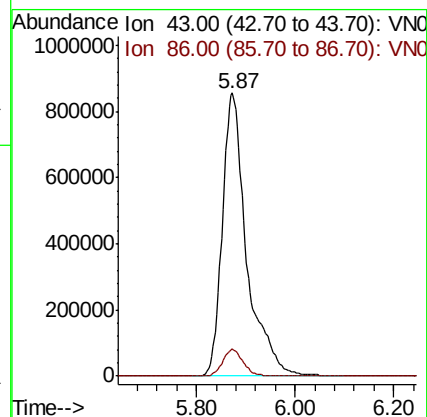
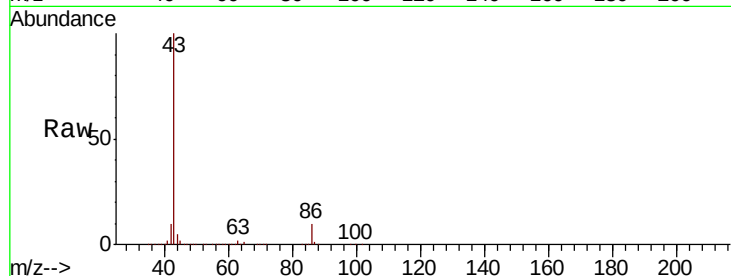




#23
 Vinyl Acetate
 Concen: 267.509 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

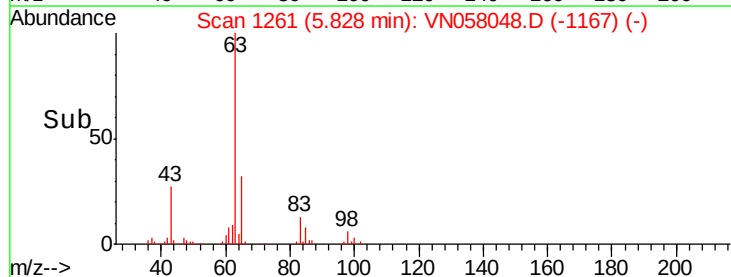
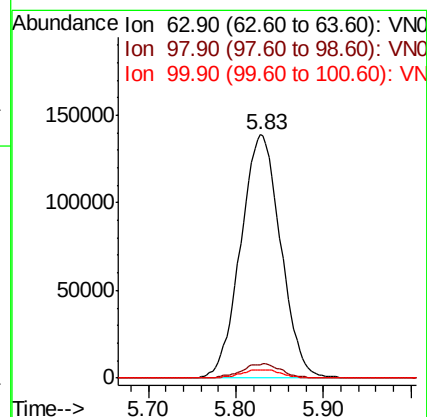
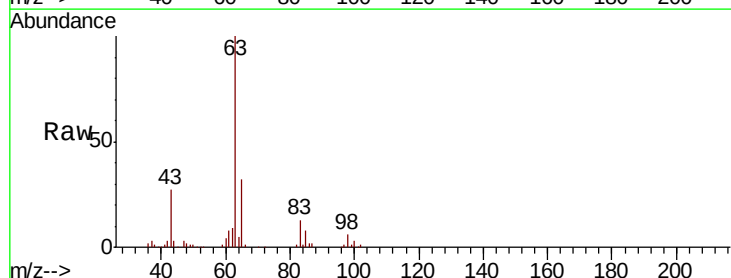
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

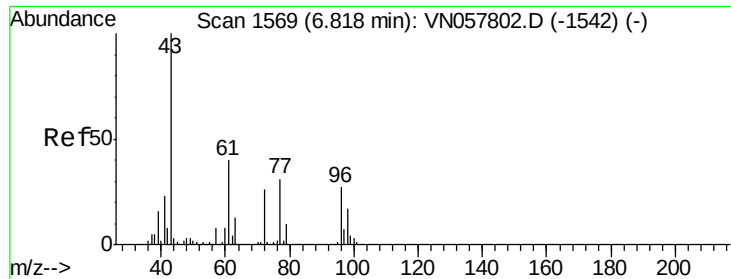
Tgt Ion: 43 Resp: 2954320
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 51.699 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 63 Resp: 440298
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.0 9.2
 100 3.5 2.0 5.8

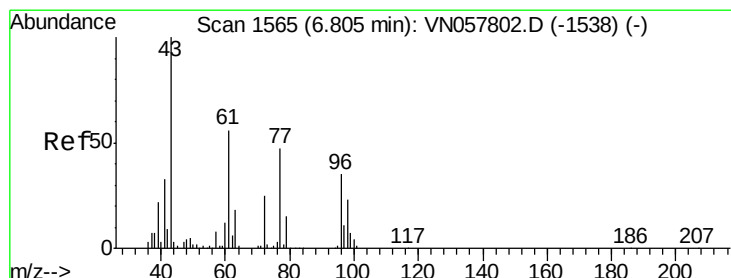
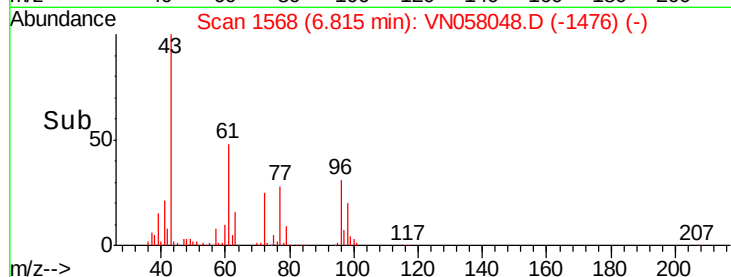
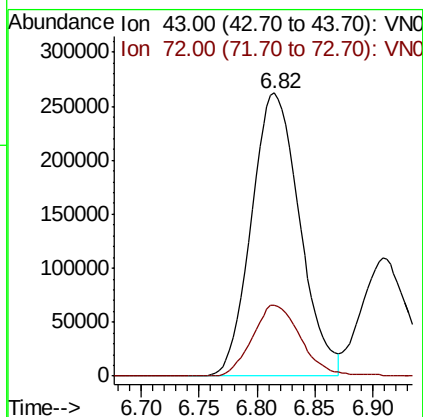
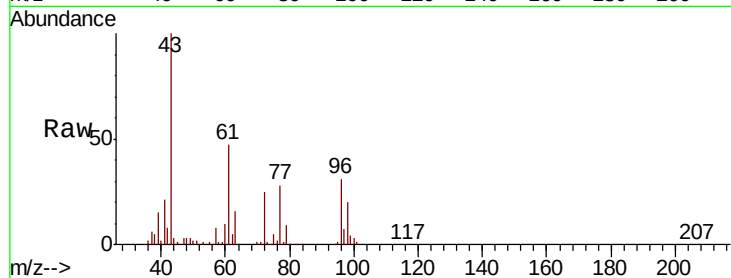




#25
 2-Butanone
 Concen: 247.048 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

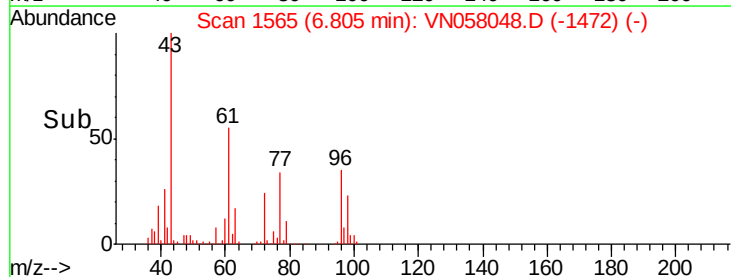
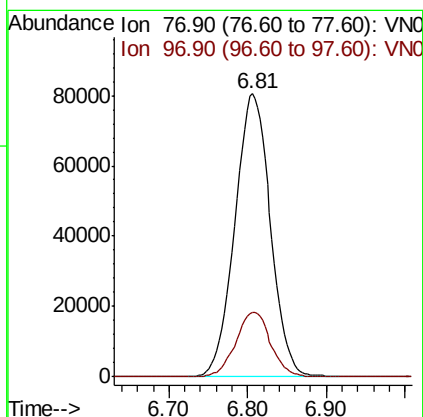
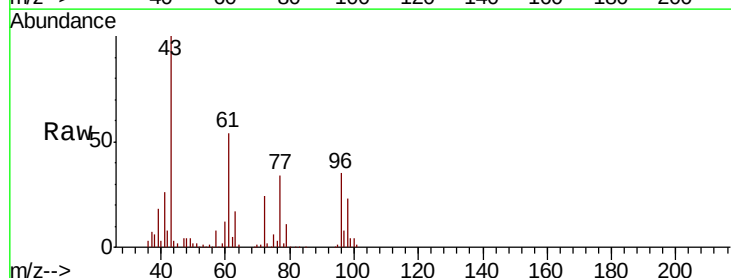
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

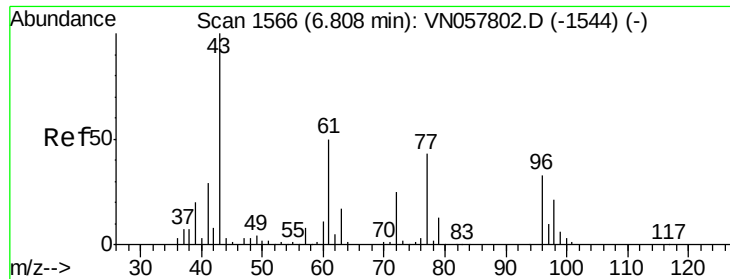
Tgt Ion: 43 Resp: 757059
 Ion Ratio Lower Upper
 43 100
 72 25.1 20.6 30.8



#26
 2,2-Dichloropropane
 Concen: 37.770 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 77 Resp: 254567
 Ion Ratio Lower Upper
 77 100
 97 22.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 50.004 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

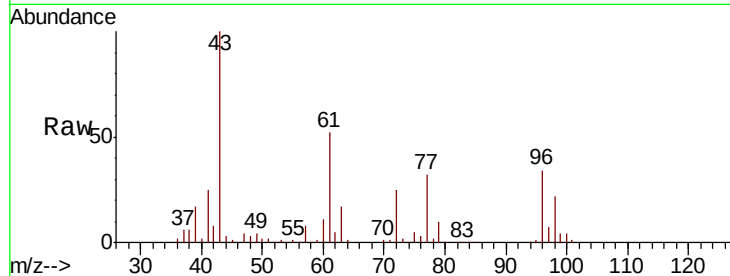
Tgt Ion: 96 Resp: 245967

Ion Ratio Lower Upper

96 100

61 157.2 0.0 314.0

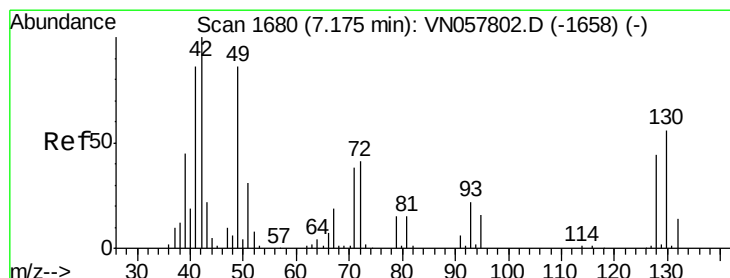
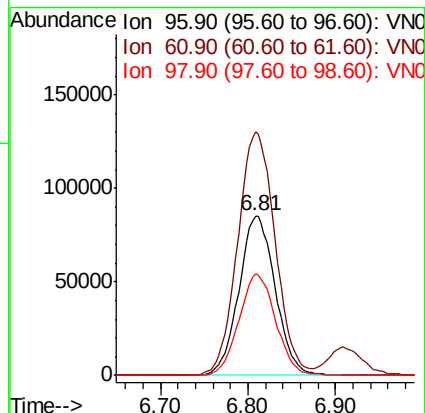
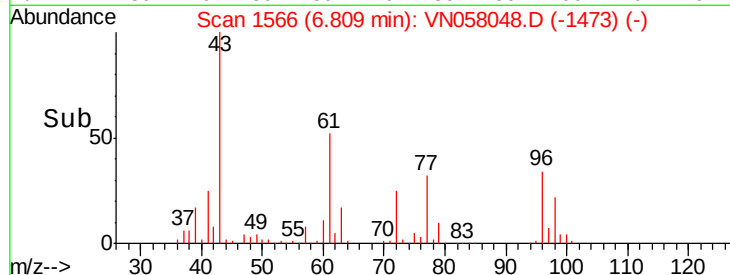
98 63.8 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN058048.D (-1473) (-)

Ion 60.90 (60.60 to 61.60): VN058048.D (-1473) (-)

Ion 97.90 (97.60 to 98.60): VN058048.D (-1473) (-)



#28

Bromochloromethane

Concen: 52.837 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

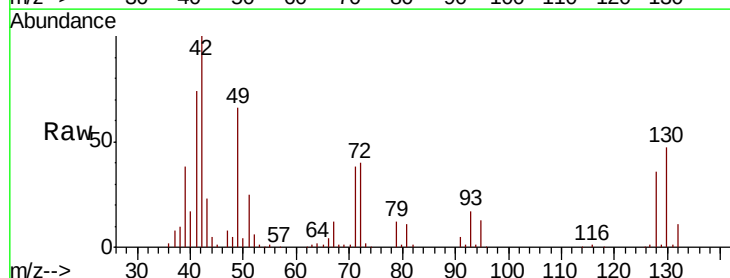
Tgt Ion: 49 Resp: 224811

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

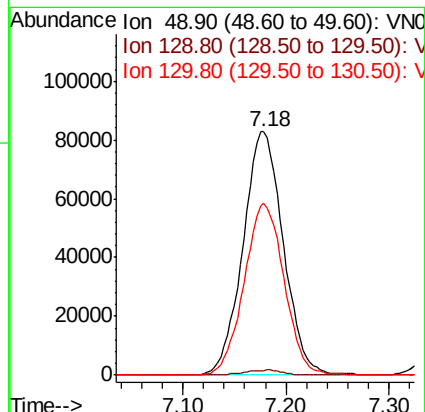
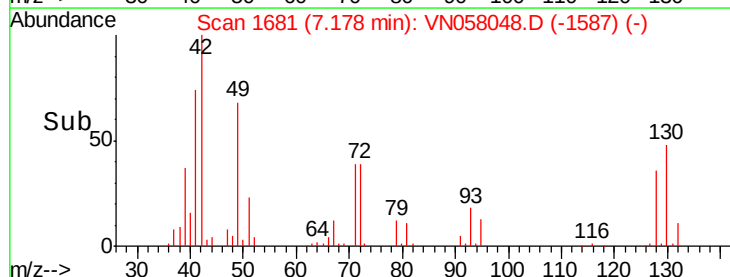
130 69.9 53.0 79.6

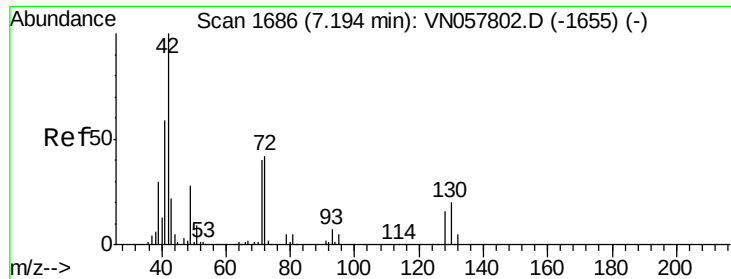


Abundance Ion 48.90 (48.60 to 49.60): VN058048.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058048.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058048.D (-1587) (-)

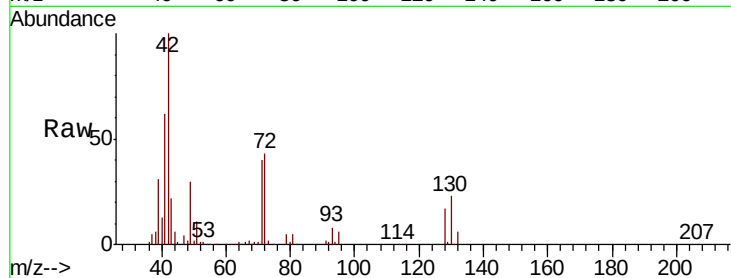




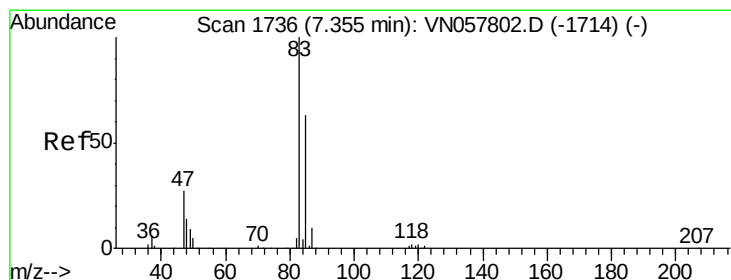
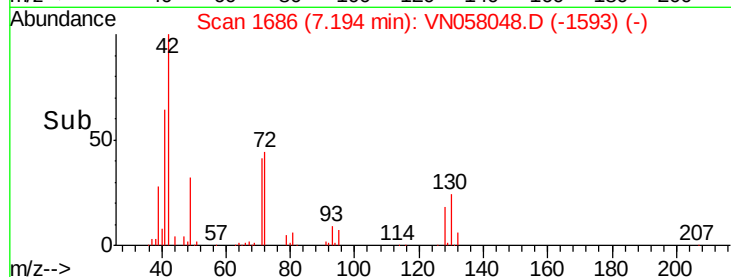
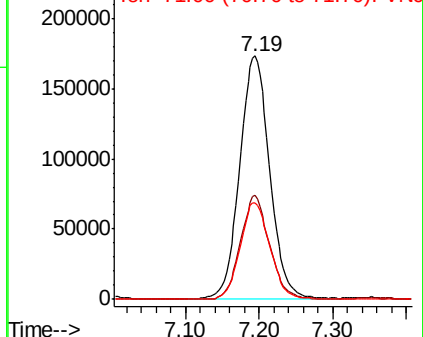
#29
Tetrahydrofuran
Concen: 259.297 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 489634
Ion Ratio Lower Upper
42 100
72 41.5 33.7 50.5
71 39.6 31.9 47.9

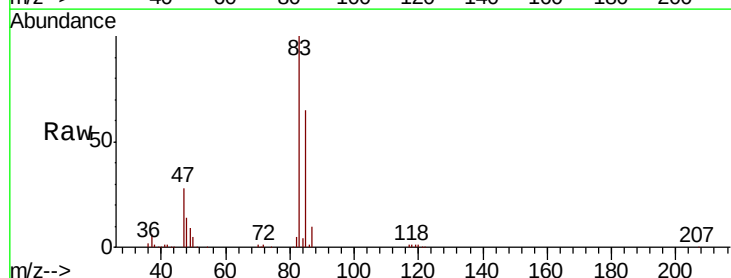


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

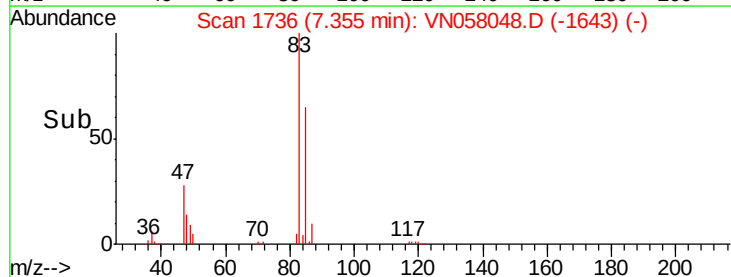
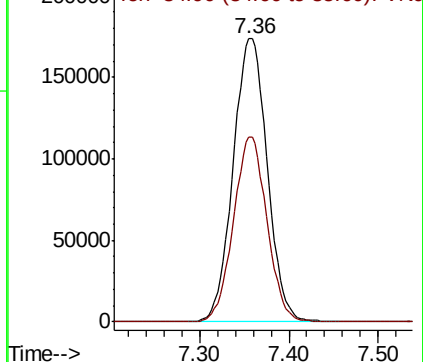


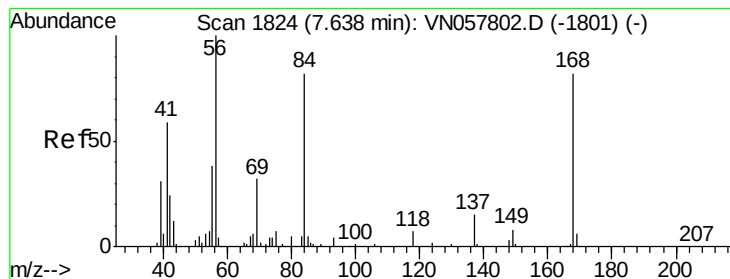
#30
Chloroform
Concen: 51.823 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 83 Resp: 461477
Ion Ratio Lower Upper
83 100
85 65.4 50.6 75.8



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





#31

Cyclohexane

Concen: 50.289 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

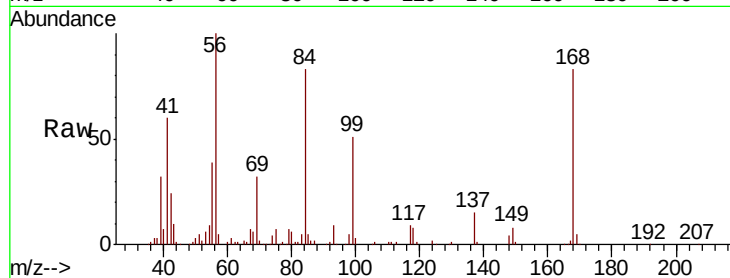
Tgt Ion: 56 Resp: 291787

Ion Ratio Lower Upper

56 100

69 32.3 25.9 38.9

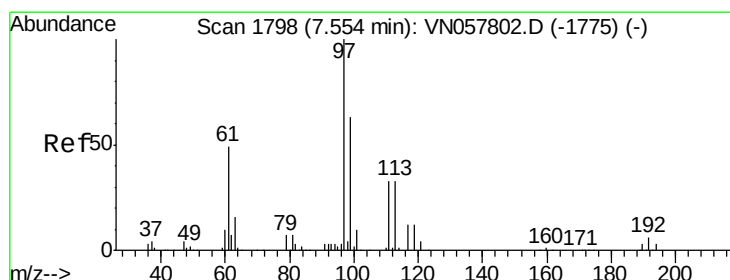
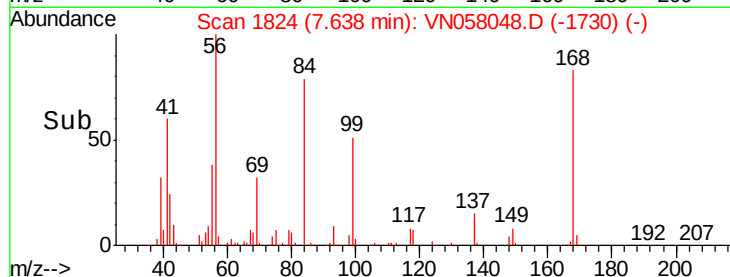
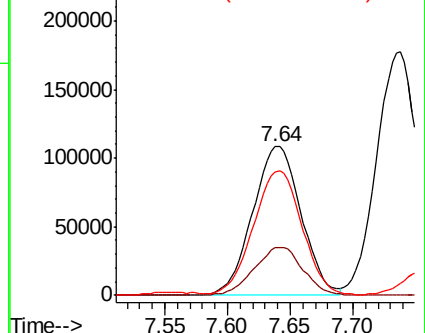
84 81.2 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VN057802.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN057802.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN057802.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 50.961 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

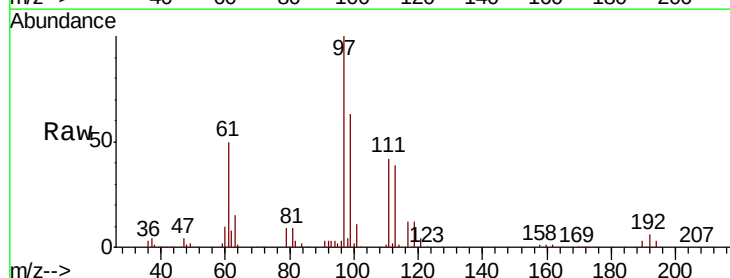
Tgt Ion: 97 Resp: 359909

Ion Ratio Lower Upper

97 100

99 62.9 51.0 76.4

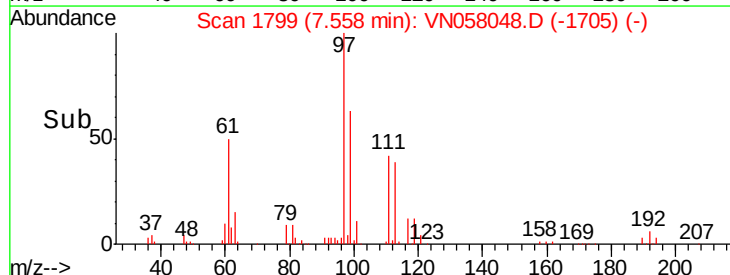
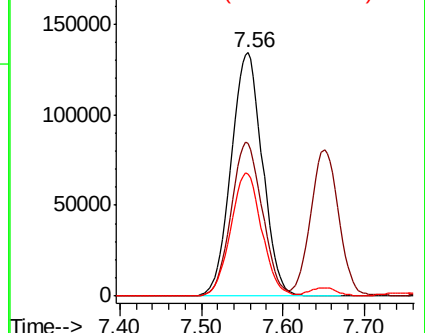
61 50.4 39.0 58.6

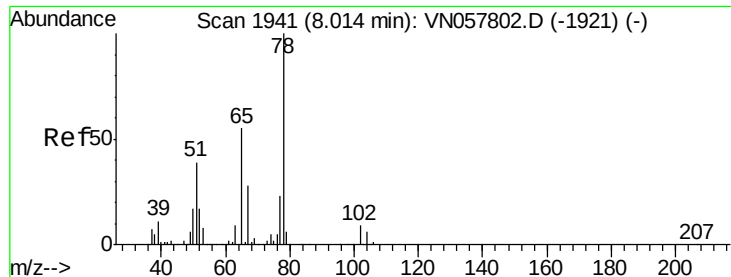


Abundance Ion 96.90 (96.60 to 97.60): VN057802.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN057802.D (-1775) (-)

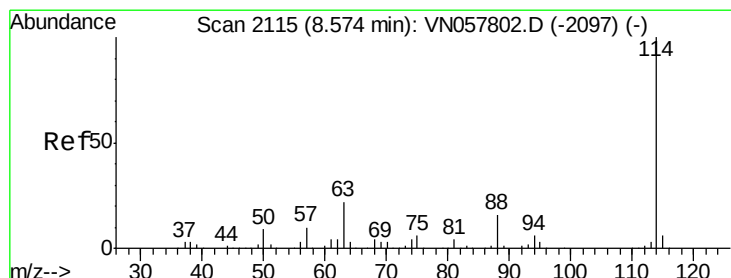
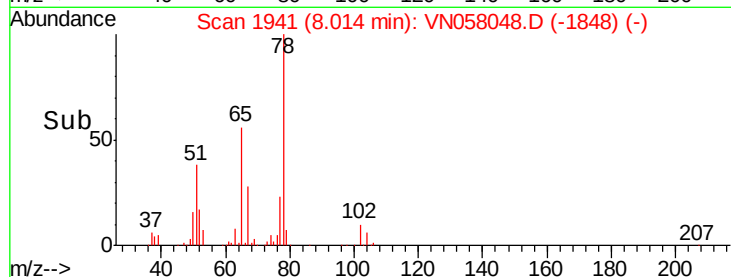
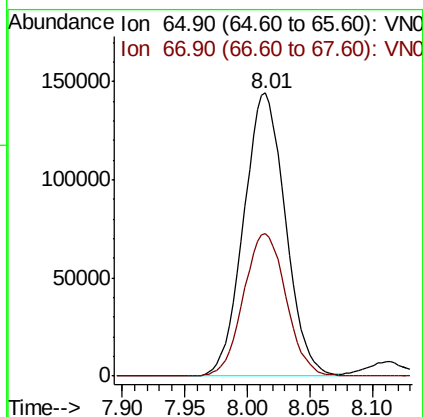
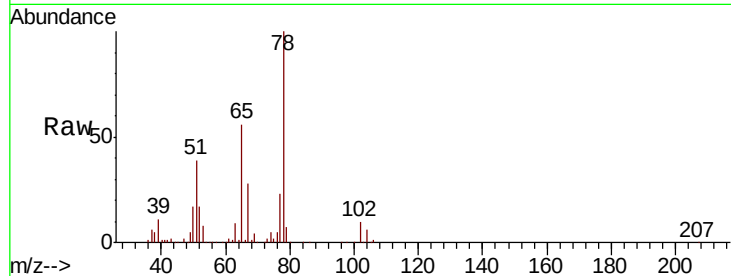




#33
 1,2-Dichloroethane-d4
 Concen: 51.864 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

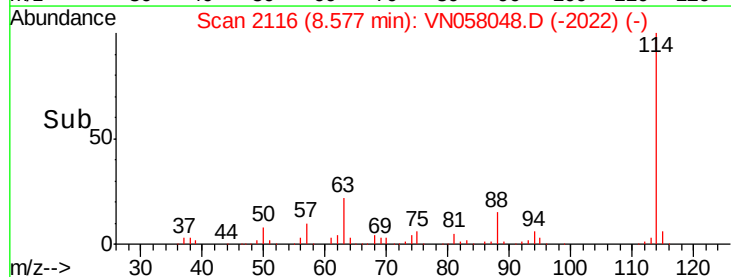
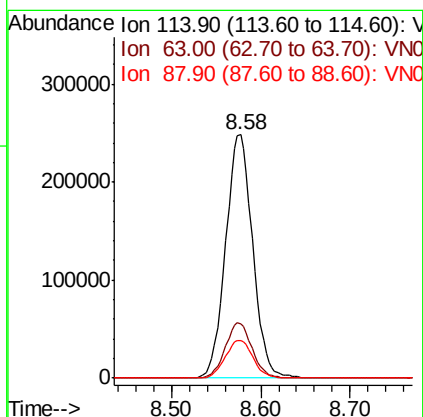
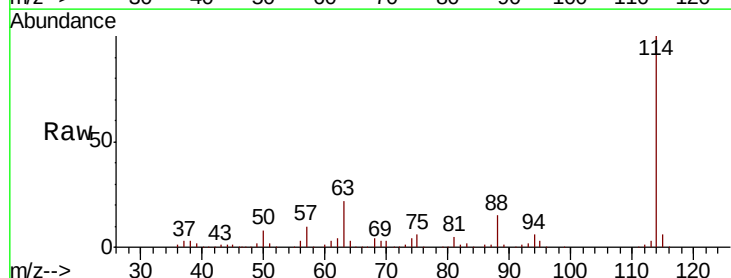
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

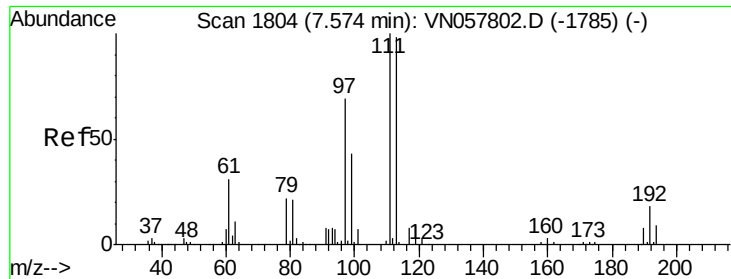
Tgt Ion: 65 Resp: 334974
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 114 Resp: 521459
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.0
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.665 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

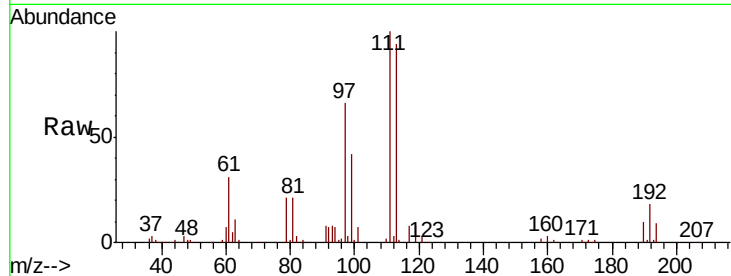
Tgt Ion: 113 Resp: 239029

Ion Ratio Lower Upper

113 100

111 104.6 81.3 121.9

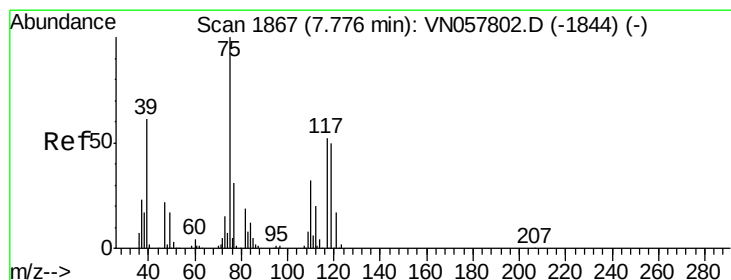
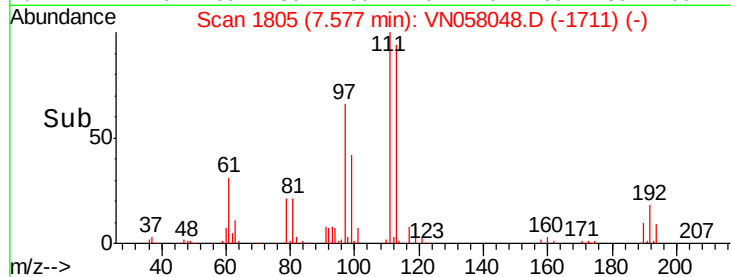
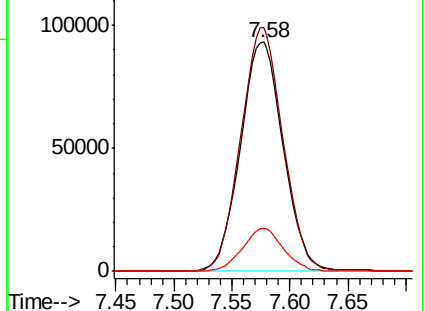
192 18.1 14.6 22.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.920 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

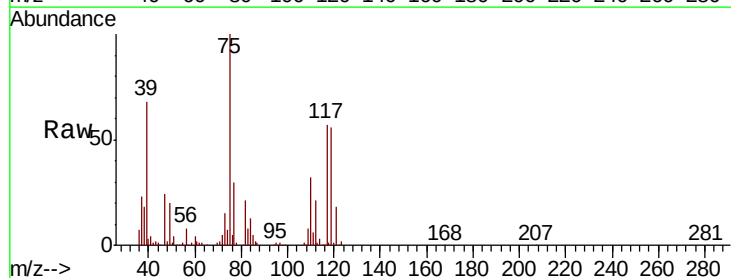
Tgt Ion: 75 Resp: 283751

Ion Ratio Lower Upper

75 100

110 32.5 16.3 48.9

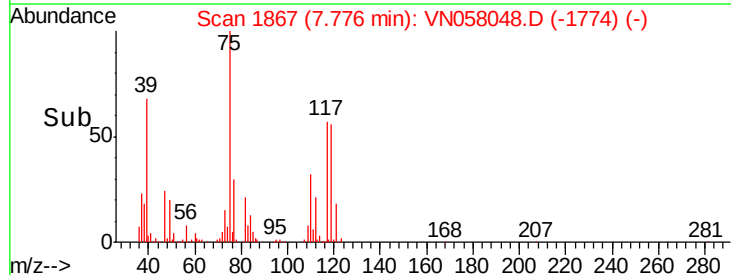
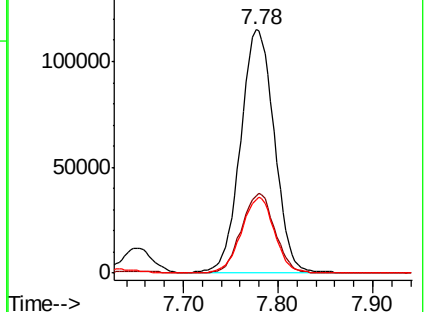
77 30.9 25.0 37.4

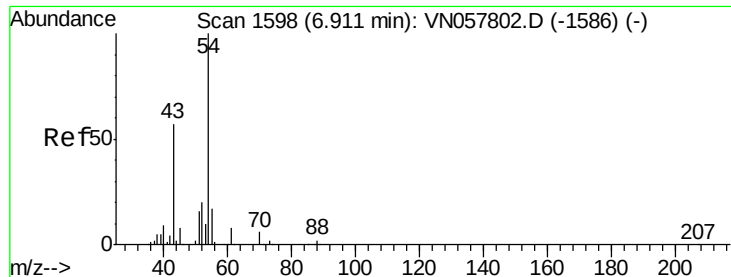


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

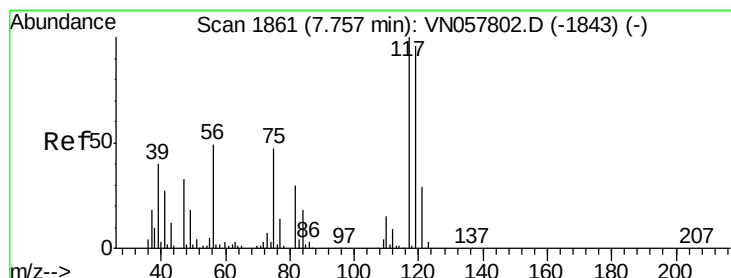
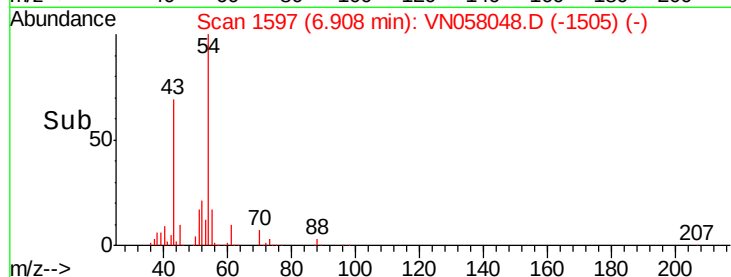
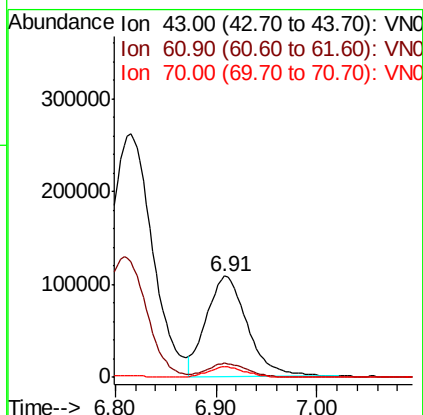
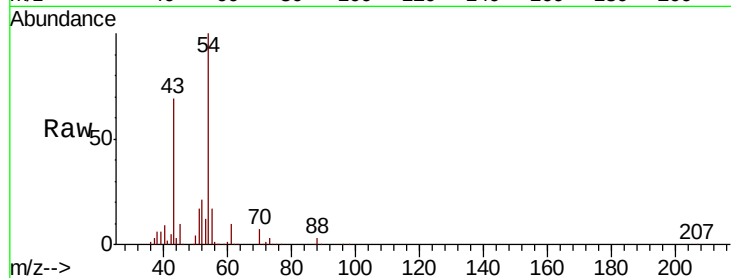




#37
 Ethyl Acetate
 Concen: 48.918 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

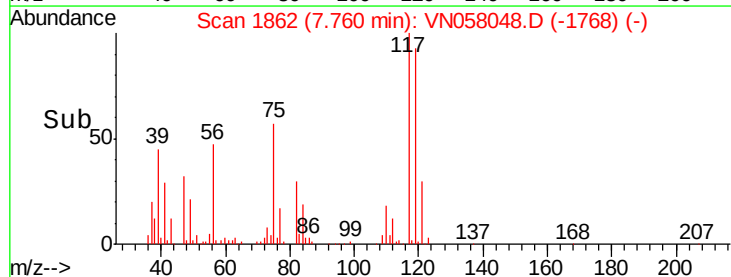
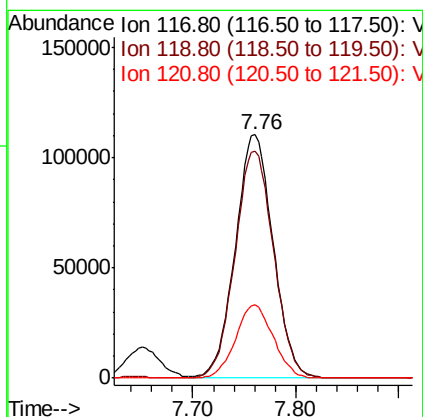
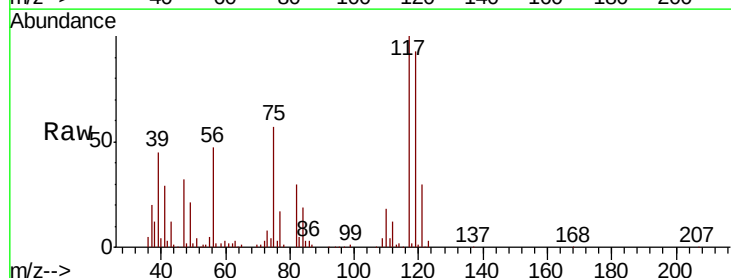
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

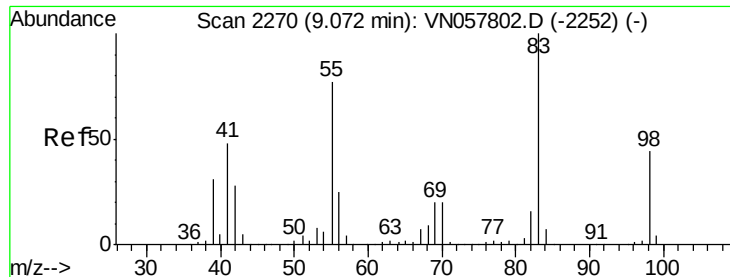
Tgt Ion: 43 Resp: 305651
 Ion Ratio Lower Upper
 43 100
 61 13.3 10.5 15.7
 70 9.4 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 50.782 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 117 Resp: 280388
 Ion Ratio Lower Upper
 117 100
 119 93.5 76.9 115.3
 121 30.4 23.4 35.2

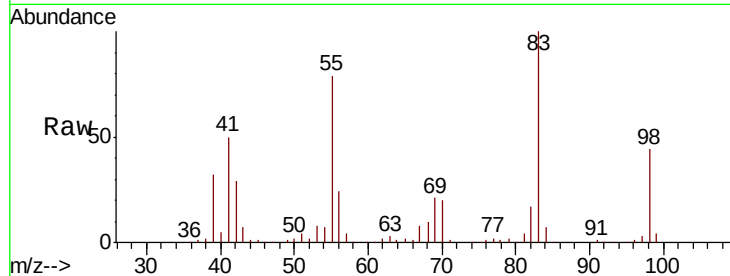




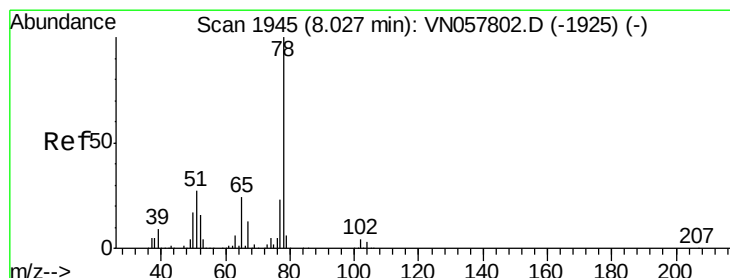
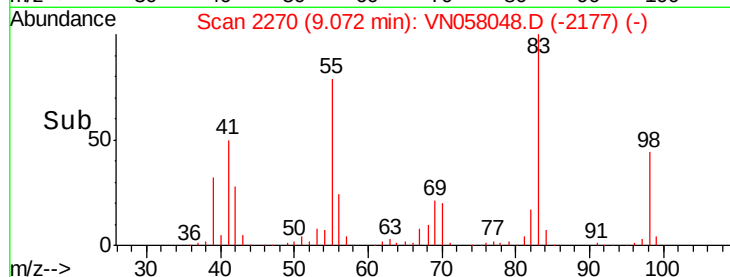
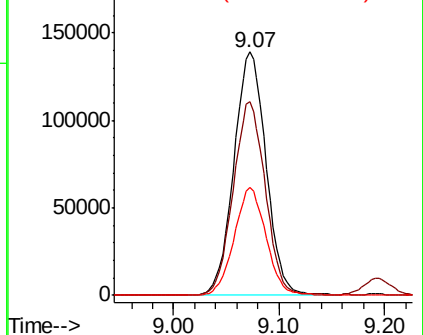
#39
Methylcyclohexane
Concen: 46.258 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 294081
Ion Ratio Lower Upper
83 100
55 79.4 61.6 92.4
98 44.1 34.9 52.3

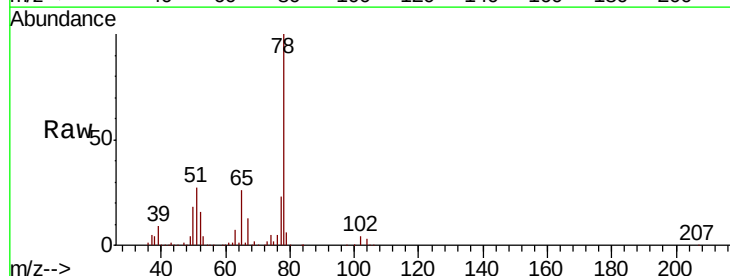


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

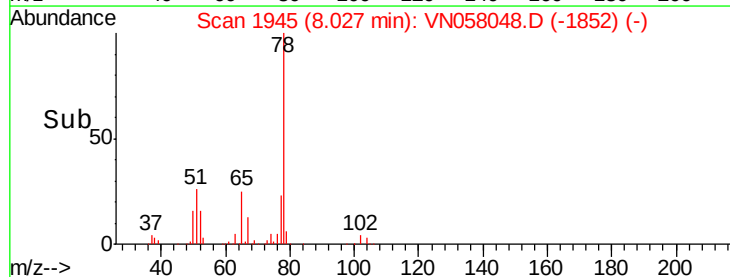
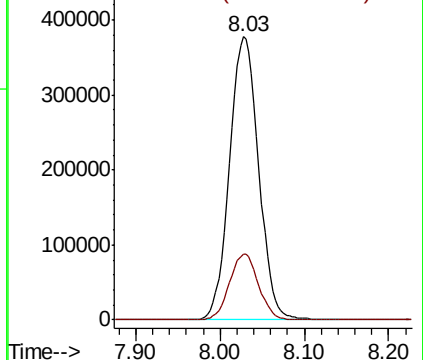


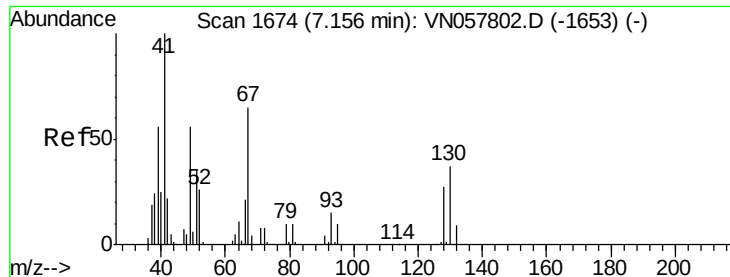
#40
Benzene
Concen: 49.816 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 78 Resp: 907011
Ion Ratio Lower Upper
78 100
77 23.3 18.3 27.5



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

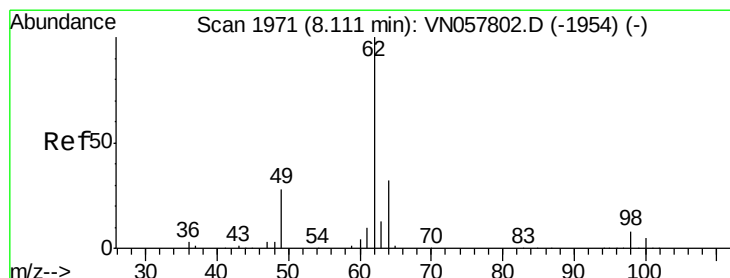
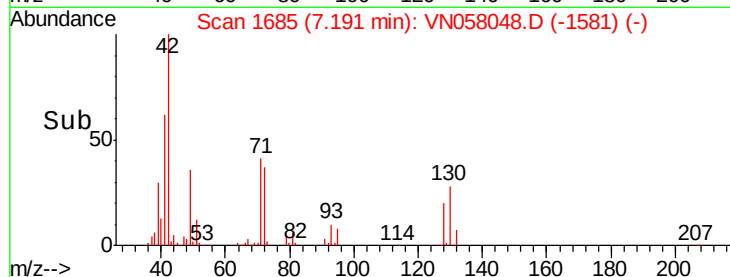
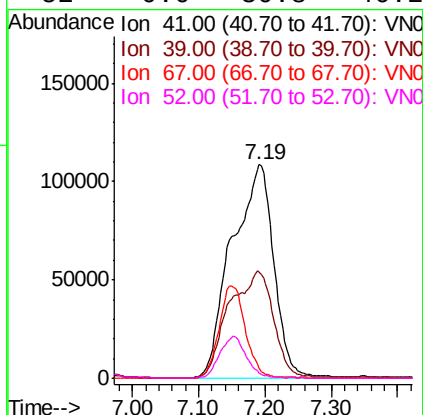
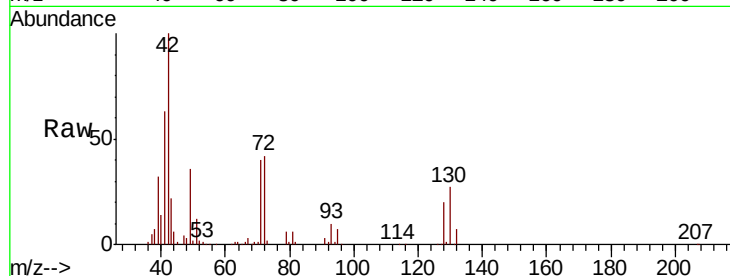




#41
Methacrylonitrile
Concen: 167.611 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

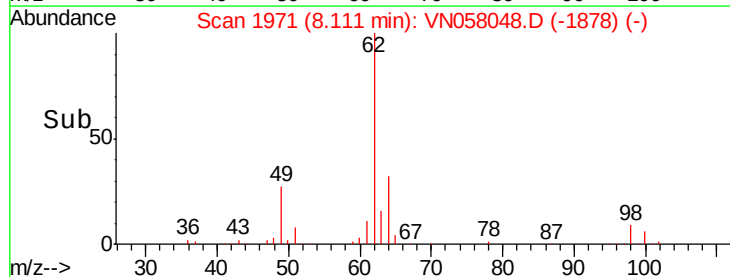
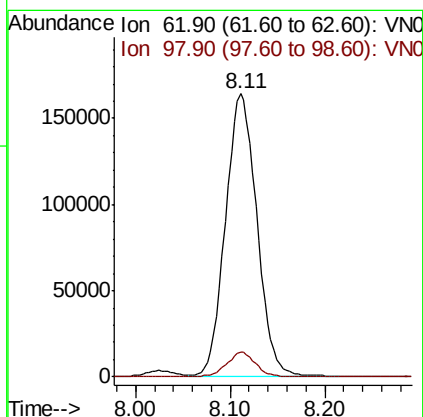
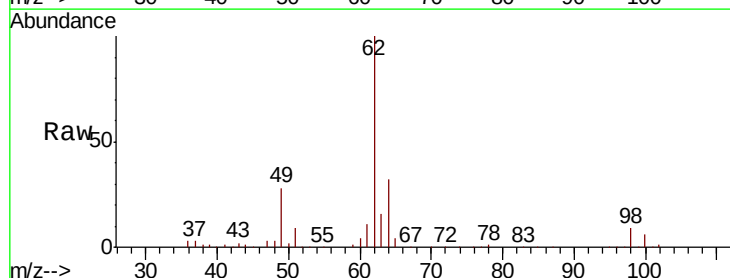
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

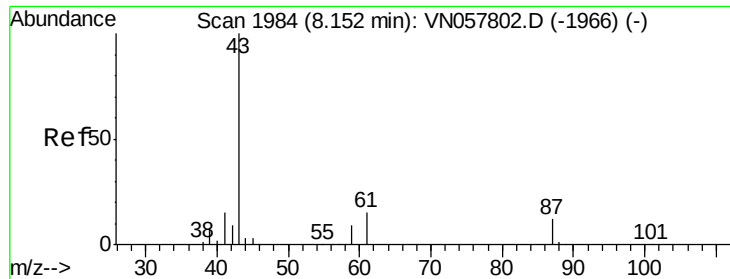
Tgt Ion: 41 Resp: 475393
Ion Ratio Lower Upper
41 100
39 53.2 51.0 76.6
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 51.978 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 62 Resp: 378489
Ion Ratio Lower Upper
62 100
98 8.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 57.196 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

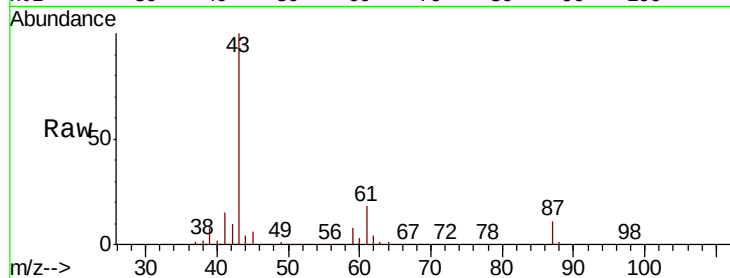
Tgt Ion: 43 Resp: 600983

Ion Ratio Lower Upper

43 100

61 22.7 20.1 30.1

87 11.0 9.5 14.3



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

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

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

8.15

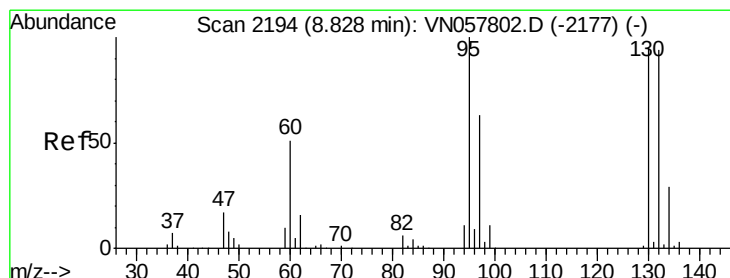
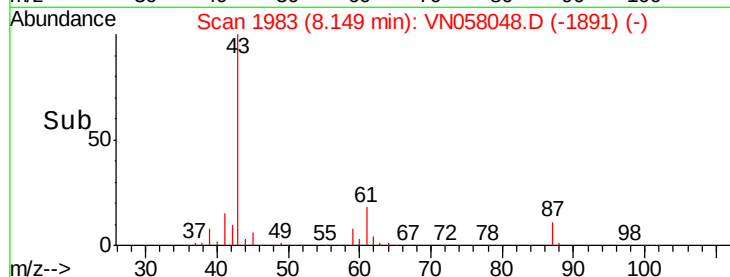
300000

200000

100000

0

Time-->



#44

Trichloroethene

Concen: 48.865 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058048.D

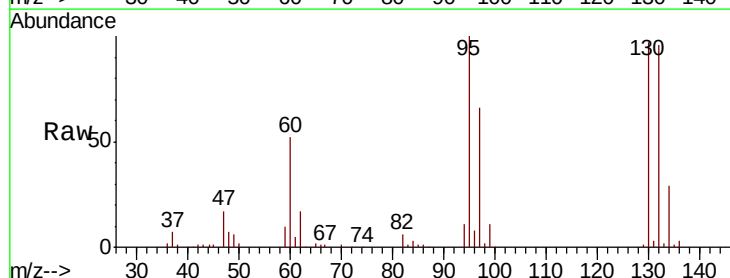
Acq: 14 Sep 2019 3:05

Tgt Ion: 130 Resp: 218216

Ion Ratio Lower Upper

130 100

95 103.3 0.0 211.4



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

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

8.83

120000

100000

80000

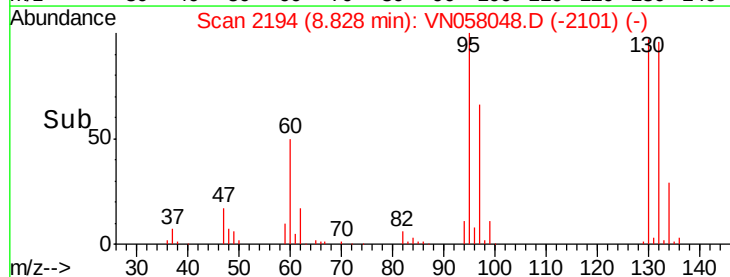
60000

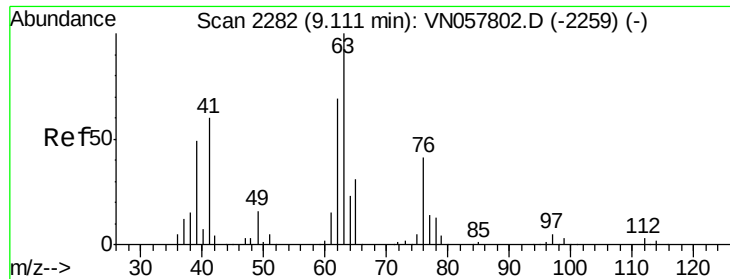
40000

20000

0

Time-->

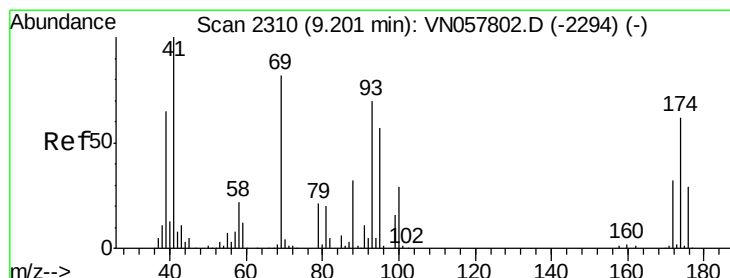
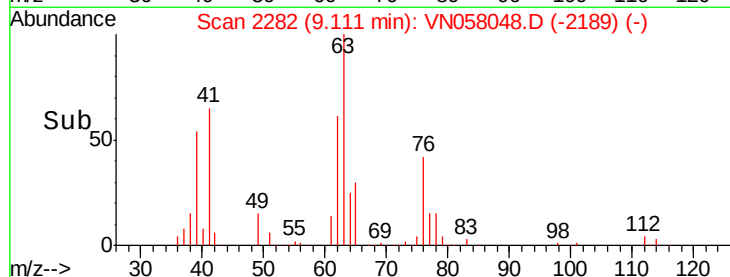
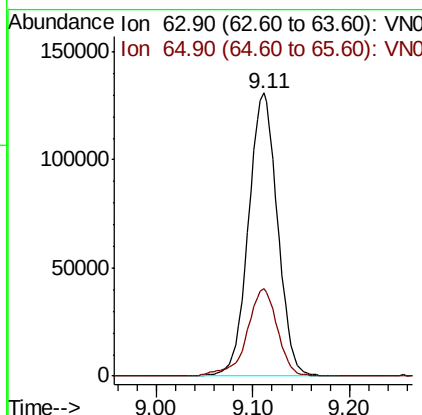
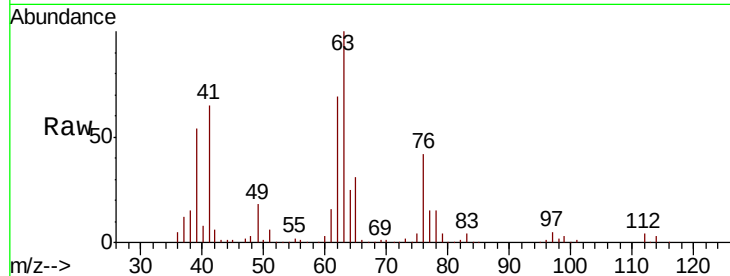




#45
 1,2-Dichloropropane
 Concen: 51.475 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

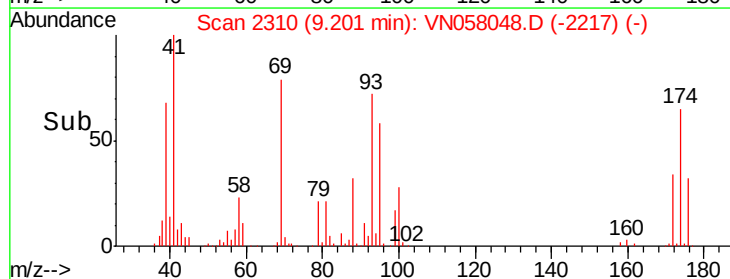
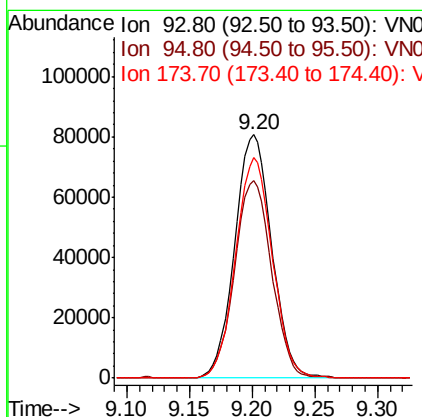
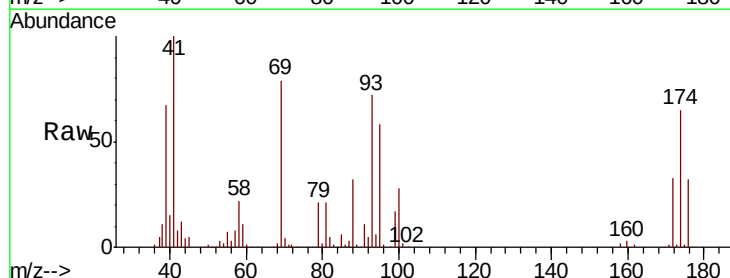
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

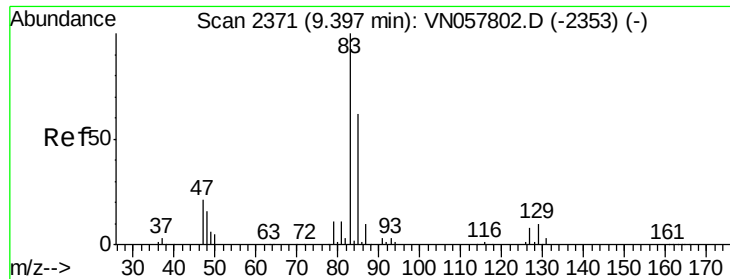
Tgt Ion: 63 Resp: 272715
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.8 37.2



#46
 Dibromomethane
 Concen: 51.711 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 93 Resp: 165550
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.9 98.9
 174 90.1 71.8 107.6

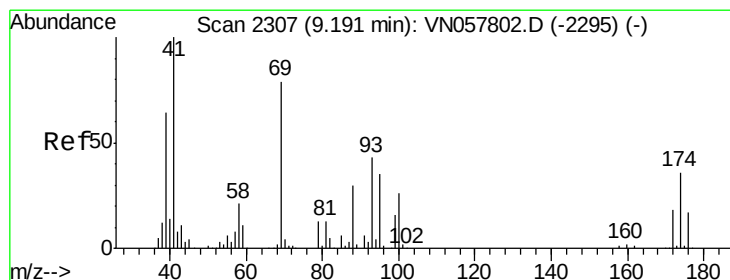
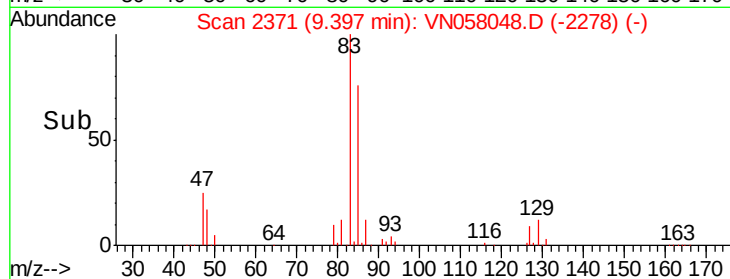
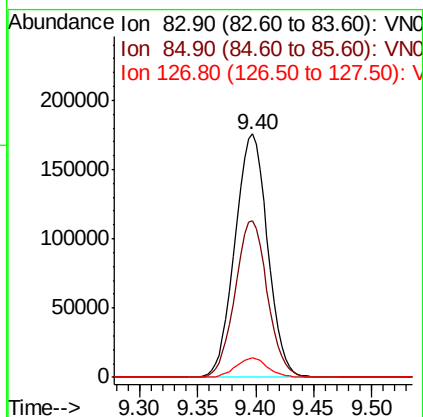
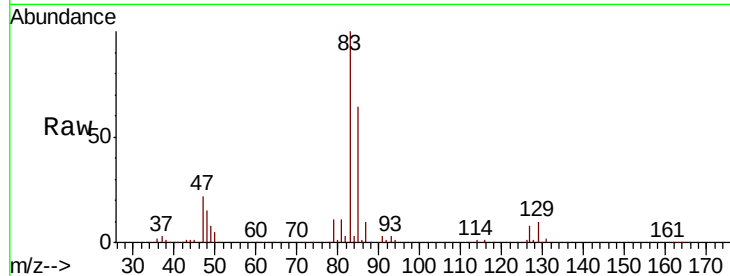




#47
 Bromodichloromethane
 Concen: 53.744 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

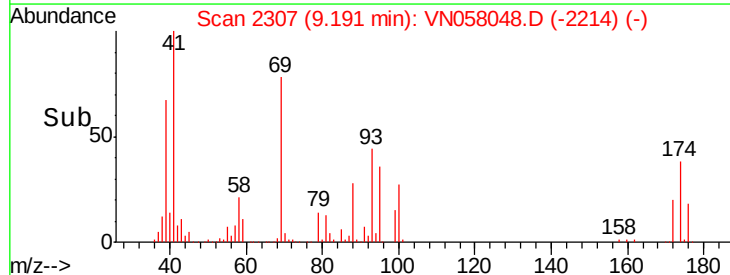
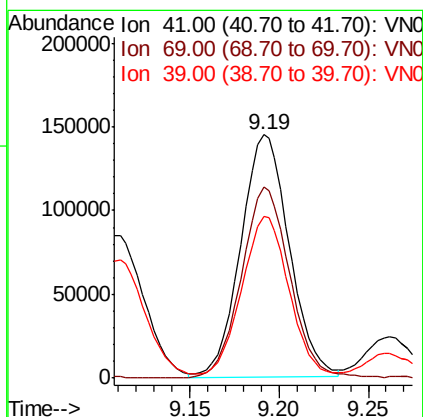
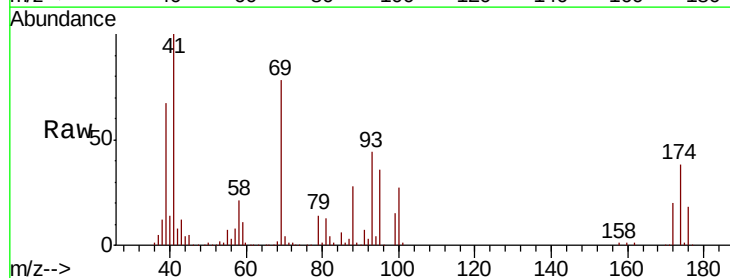
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

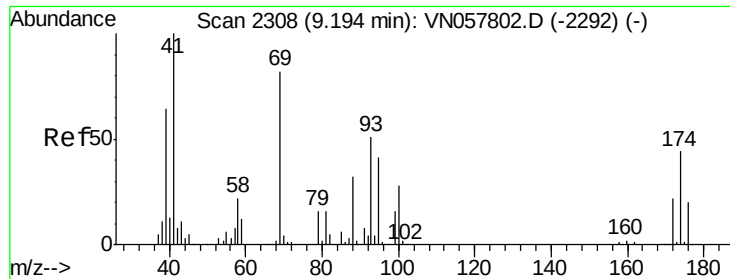
Tgt Ion: 83 Resp: 343585
 Ion Ratio Lower Upper
 83 100
 85 64.5 49.9 74.9
 127 7.9 6.5 9.7



#48
 Methyl methacrylate
 Concen: 51.609 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 41 Resp: 275080
 Ion Ratio Lower Upper
 41 100
 69 78.1 62.7 94.1
 39 65.6 52.7 79.1

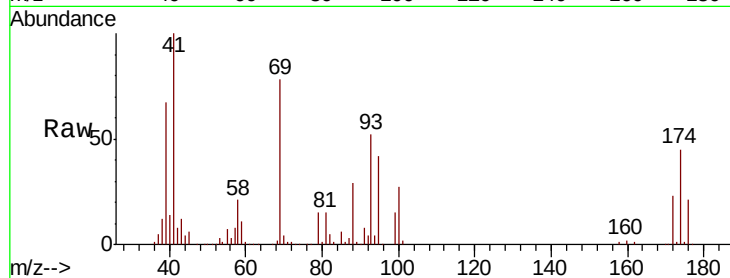




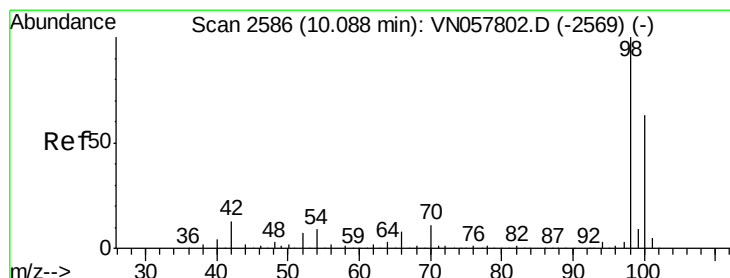
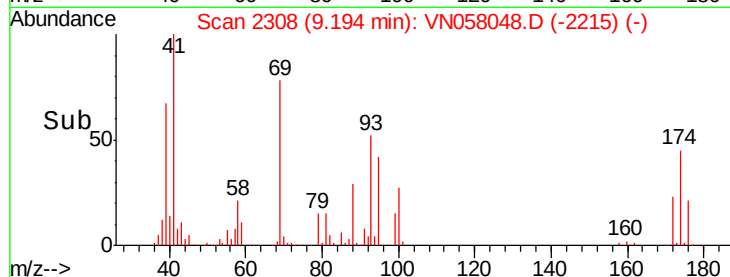
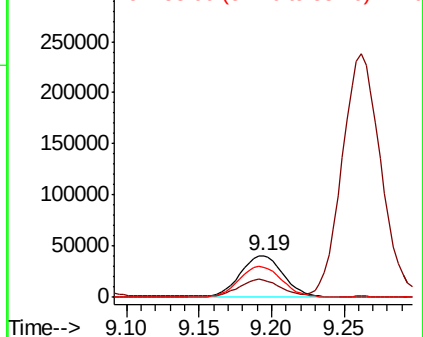
#49
 1,4-Dioxane
 Concen: 943.391 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 85034
 Ion Ratio Lower Upper
 88 100
 43 37.3 28.5 42.7
 58 73.5 55.8 83.6

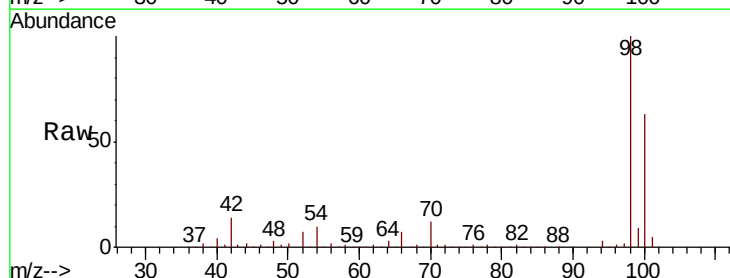


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

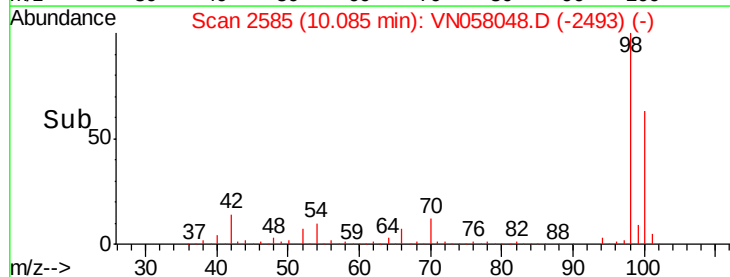
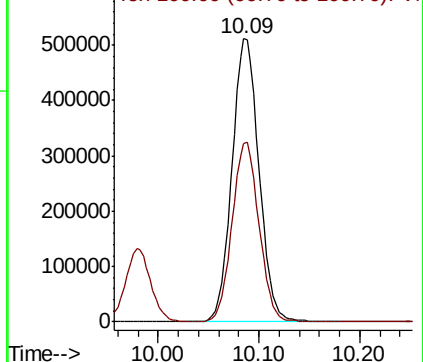


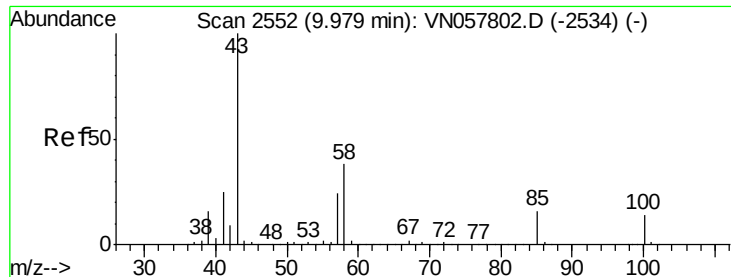
#50
 Toluene-d8
 Concen: 50.976 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 98 Resp: 952543
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.3 75.5



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: 273.095 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

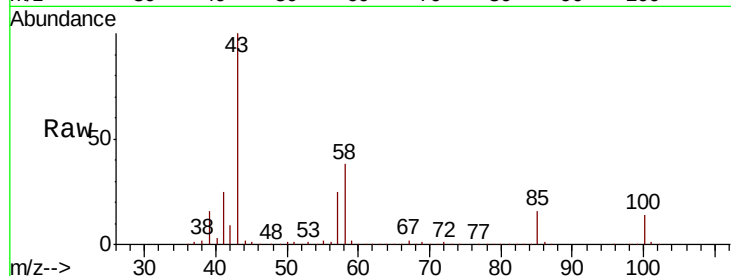
VSTDCCC050EC

Tgt Ion: 43 Resp: 1698112

Ion Ratio Lower Upper

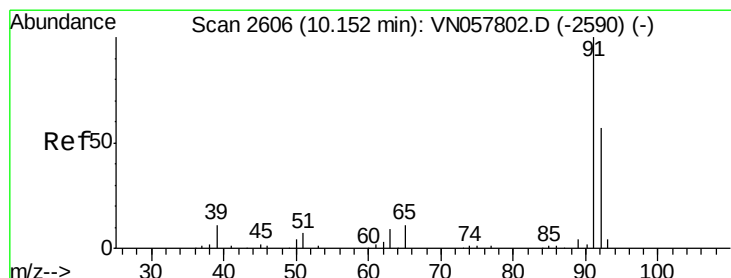
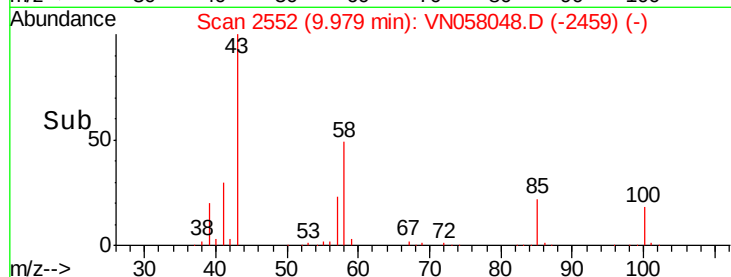
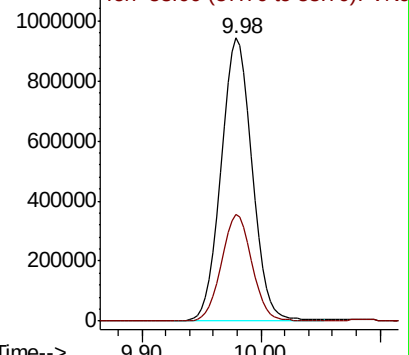
43 100

58 37.3 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.037 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058048.D

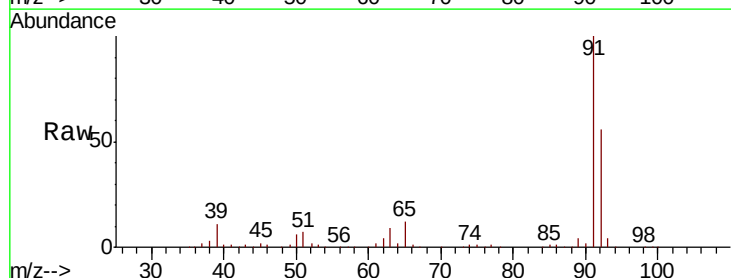
Acq: 14 Sep 2019 3:05

Tgt Ion: 92 Resp: 573798

Ion Ratio Lower Upper

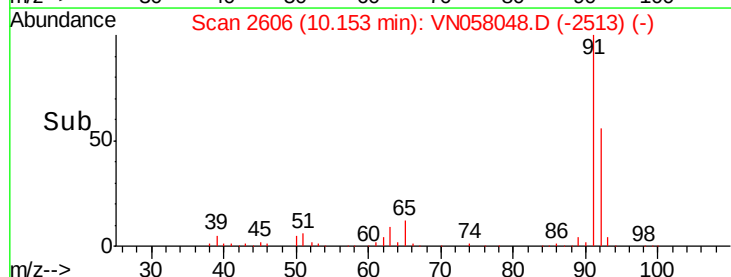
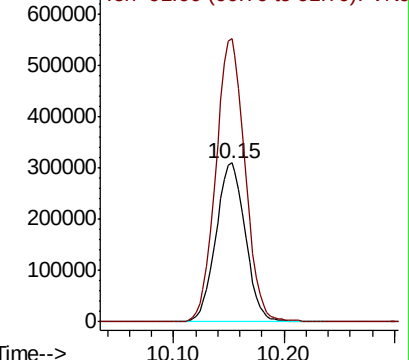
92 100

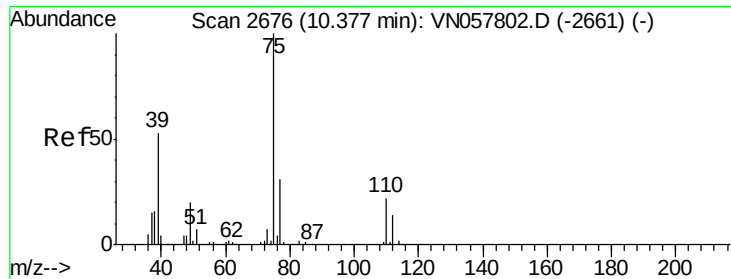
91 177.2 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.875 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

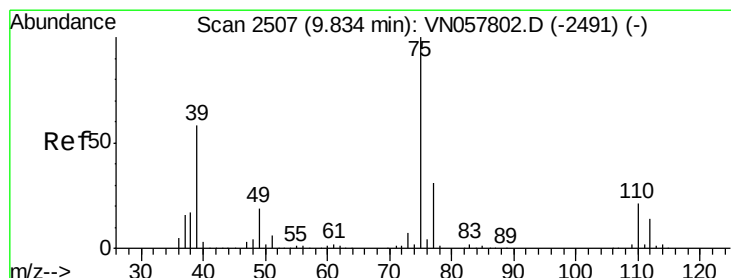
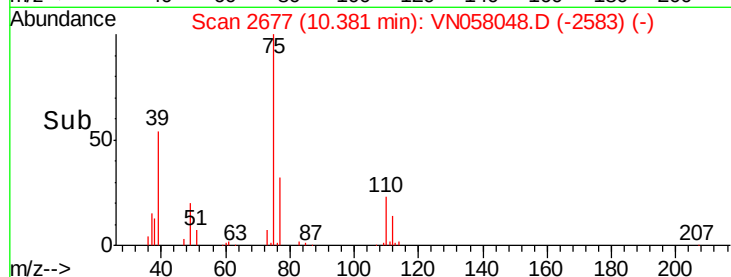
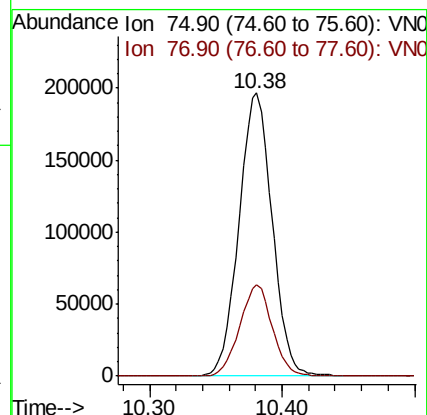
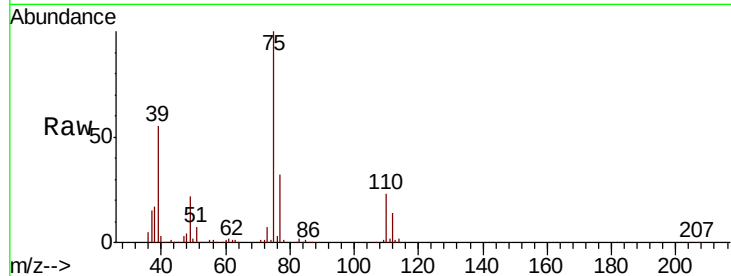
VSTDCCC050EC

Tgt Ion: 75 Resp: 342503

Ion Ratio Lower Upper

75 100

77 32.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 50.582 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

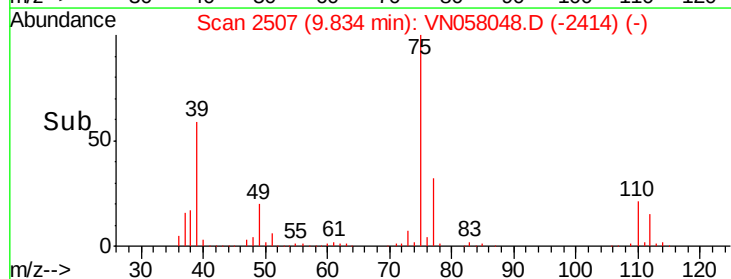
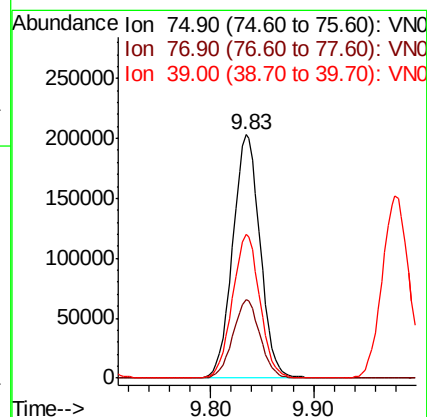
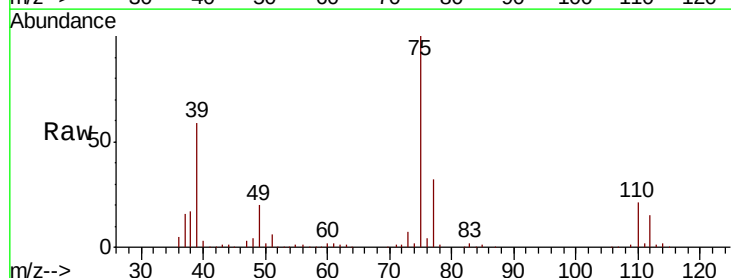
Tgt Ion: 75 Resp: 375967

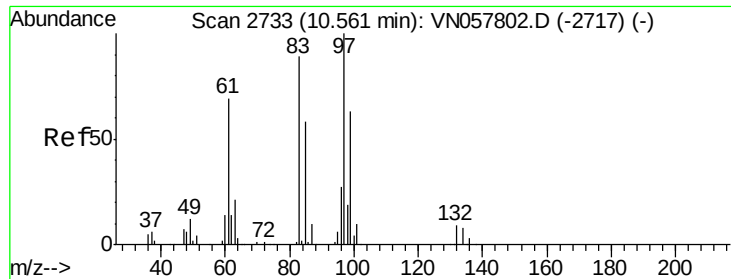
Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 59.1 46.2 69.4

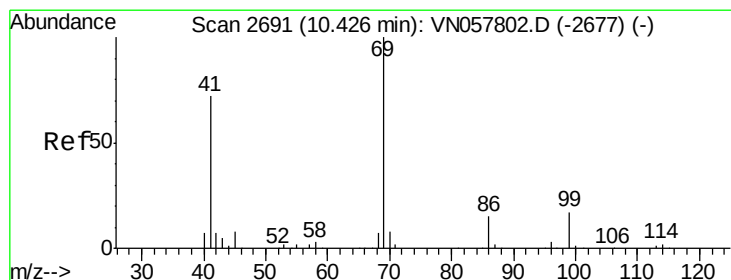
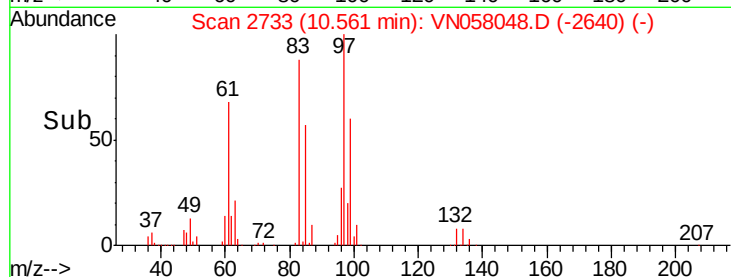
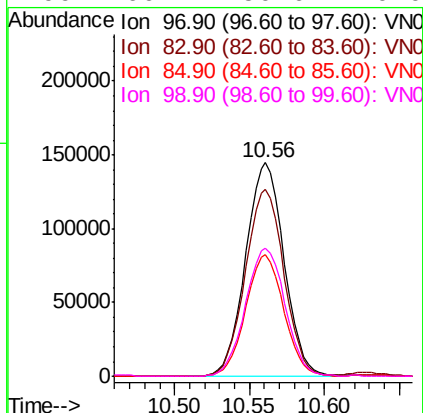
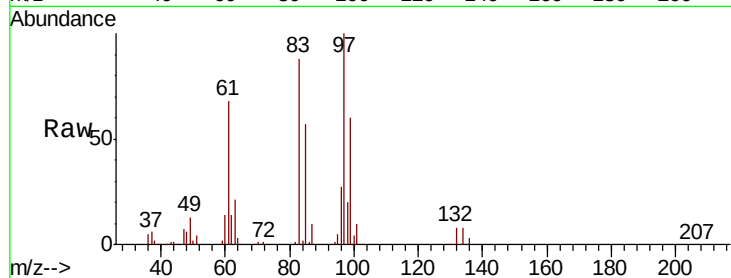




#55
 1,1,2-Trichloroethane
 Concen: 53.259 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

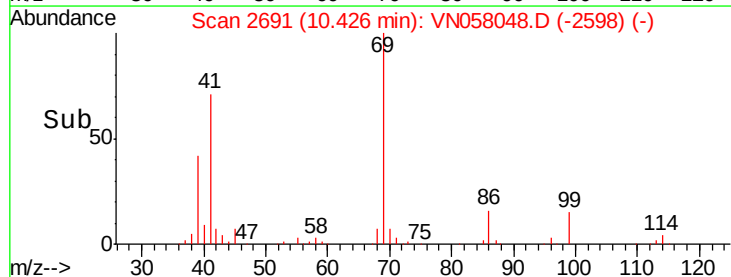
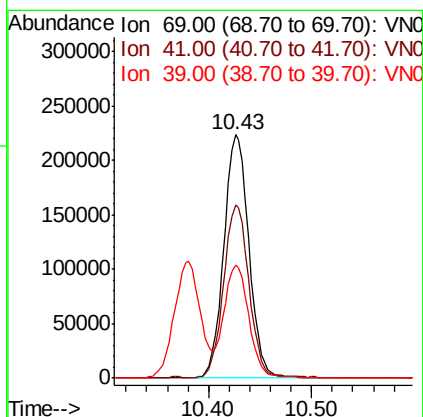
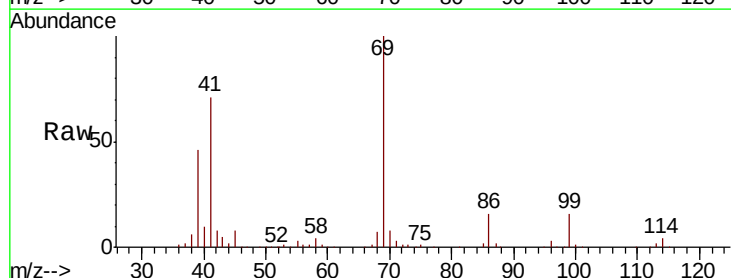
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

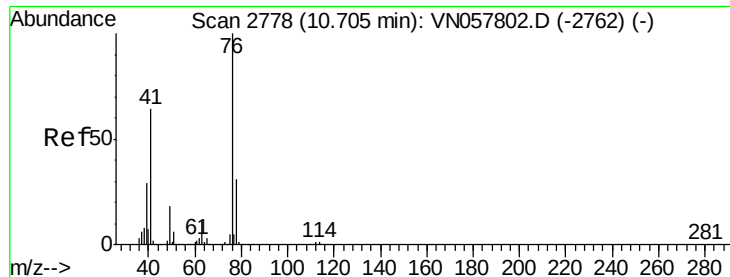
Tgt Ion:	97	Resp:	258706
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.8	106.2
85	56.7	46.0	69.0
99	60.1	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 51.847 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion:	69	Resp:	379254
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.7	85.1
39	46.4	36.3	54.5





#57

1,3-Dichloropropane

Concen: 51.680 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

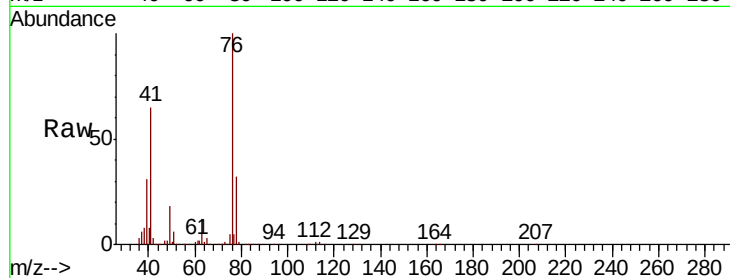
VSTDCCC050EC

Tgt Ion: 76 Resp: 432628

Ion Ratio Lower Upper

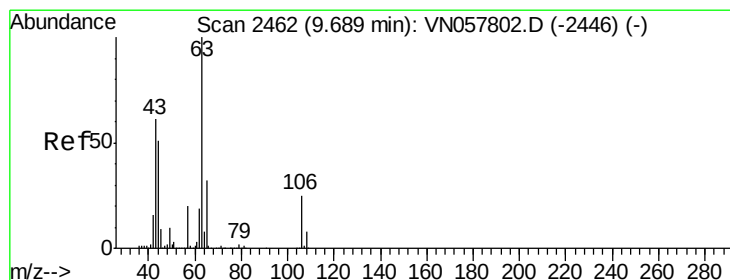
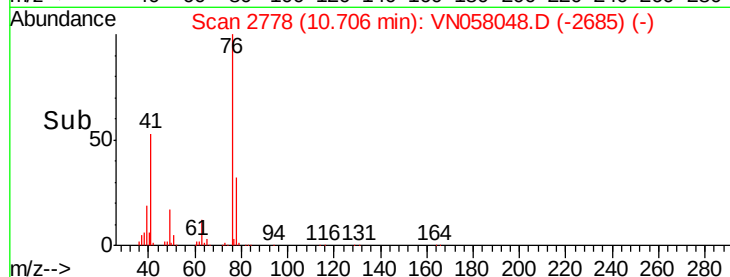
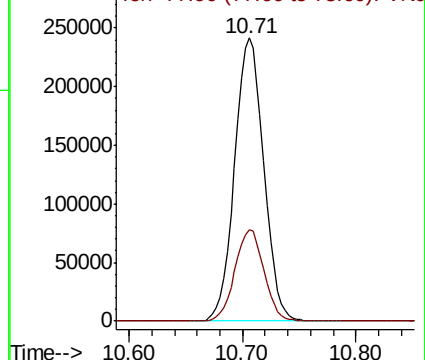
76 100

78 32.4 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 241.360 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058048.D

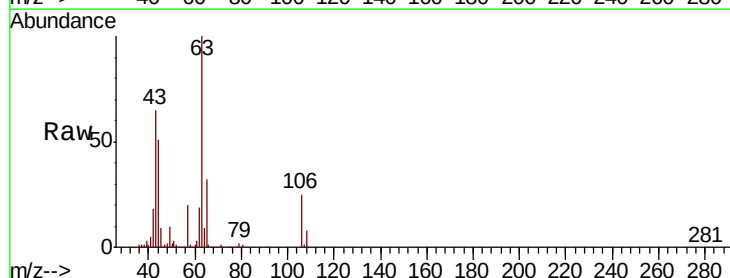
Acq: 14 Sep 2019 3:05

Tgt Ion: 63 Resp: 831548

Ion Ratio Lower Upper

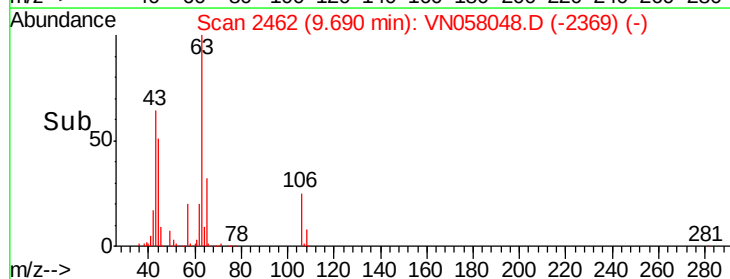
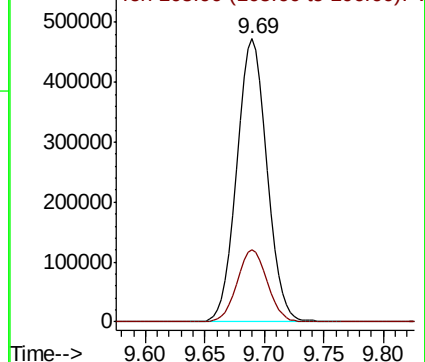
63 100

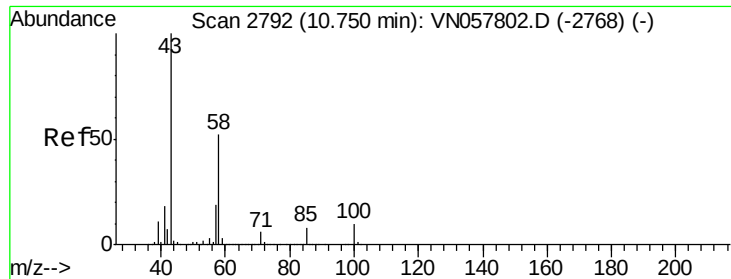
106 25.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

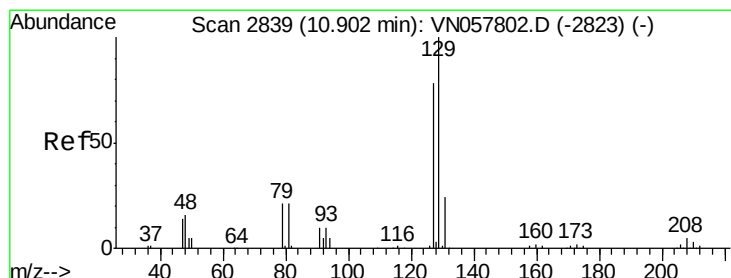
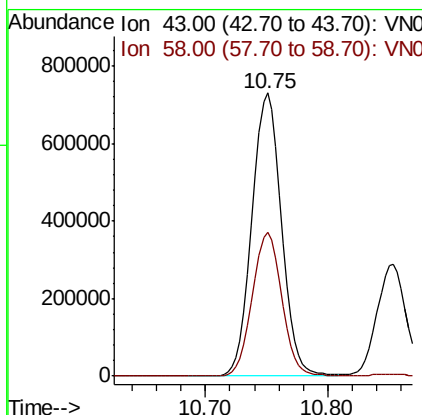
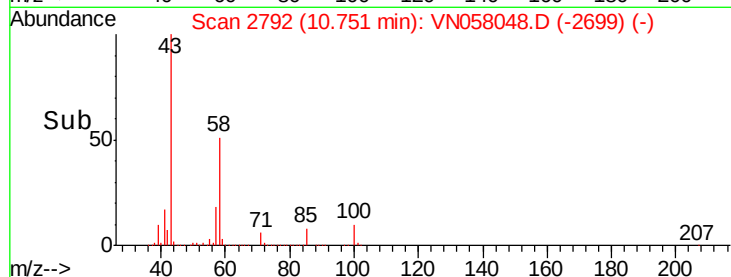
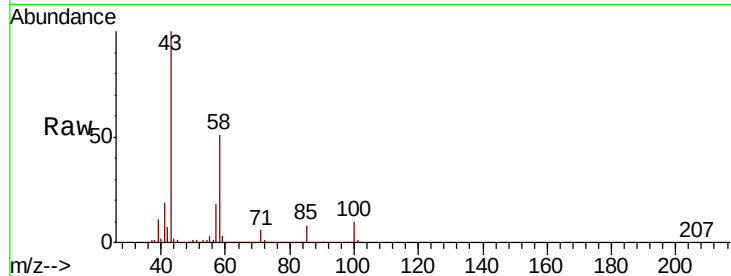




#59
2-Hexanone
Concen: 260.050 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

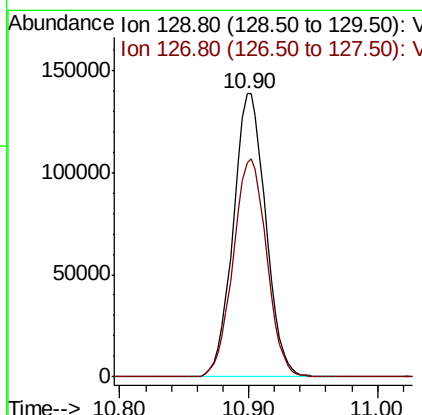
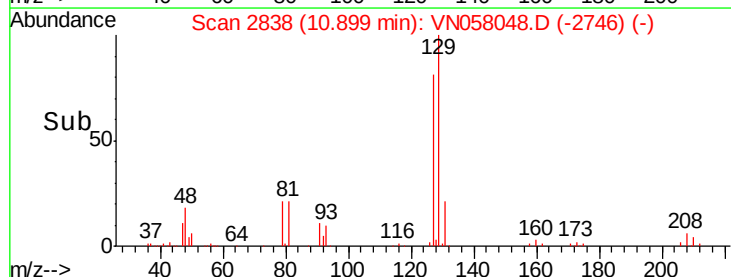
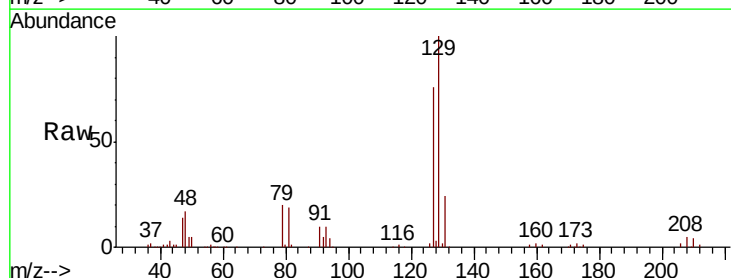
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

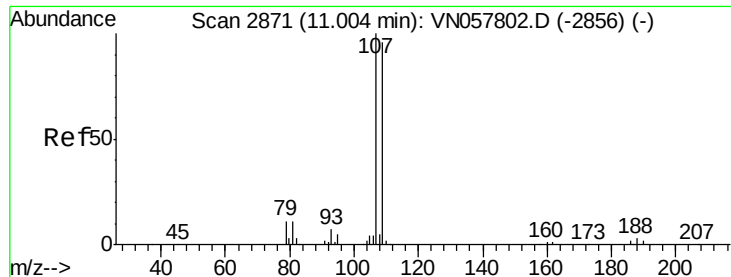
Tgt Ion: 43 Resp: 1212002
Ion Ratio Lower Upper
43 100
58 50.9 25.6 76.8



#60
Dibromochloromethane
Concen: 53.712 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 129 Resp: 242276
Ion Ratio Lower Upper
129 100
127 79.4 38.6 116.0

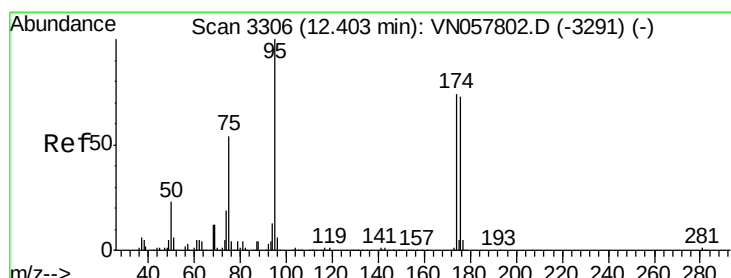
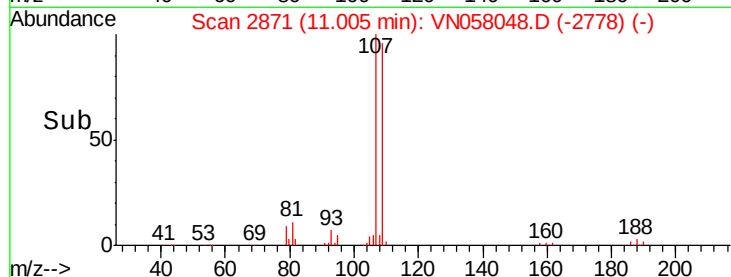
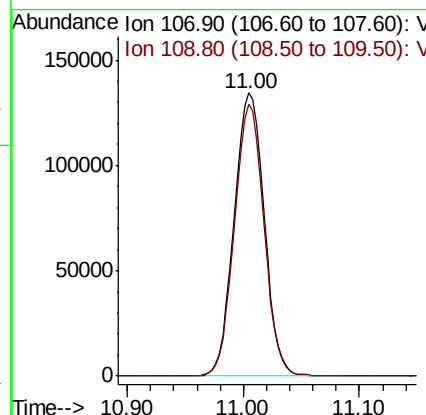
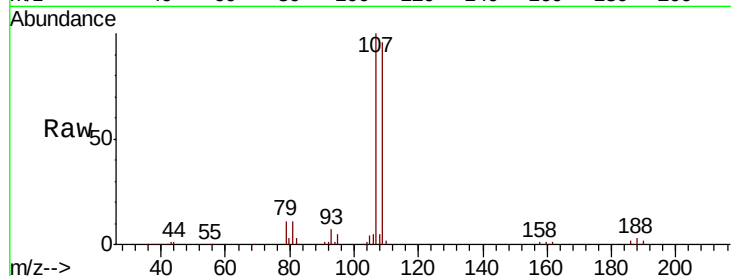




#61
 1,2-Dibromoethane
 Concen: 52.364 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

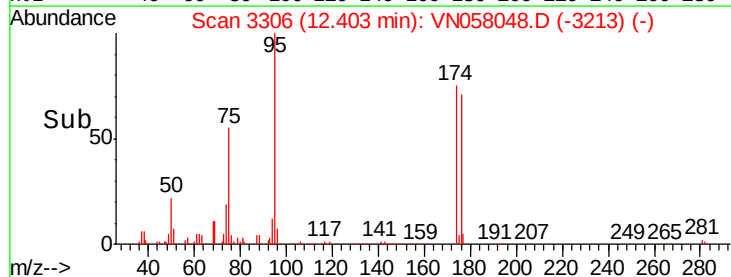
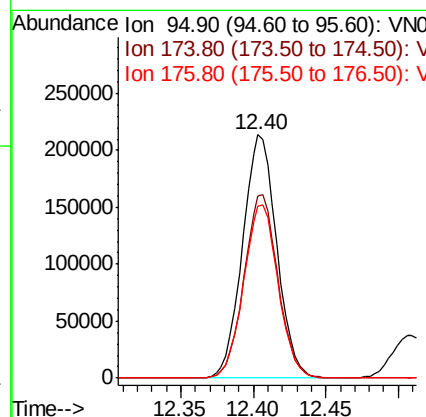
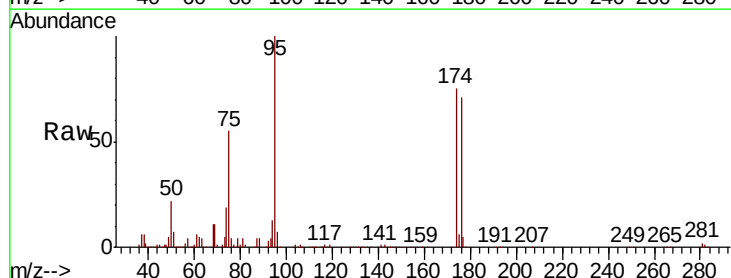
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

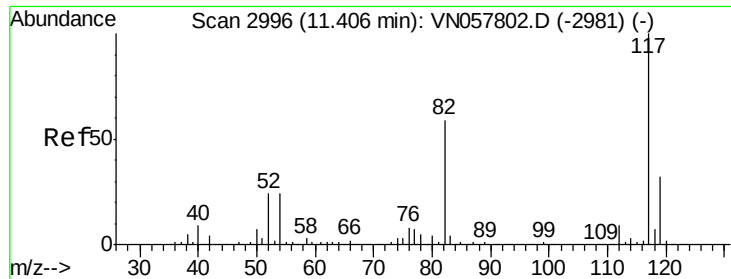
Tgt Ion: 107 Resp: 240472
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 49.131 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 95 Resp: 349868
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 150.2
 176 71.9 0.0 146.0

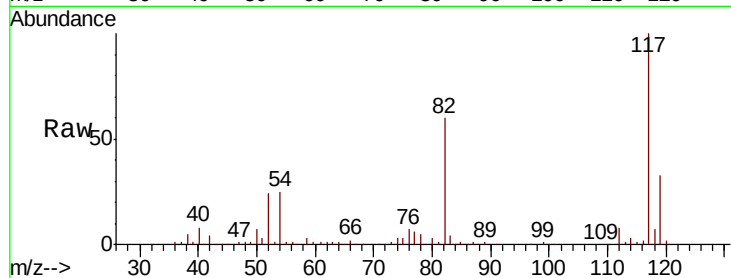




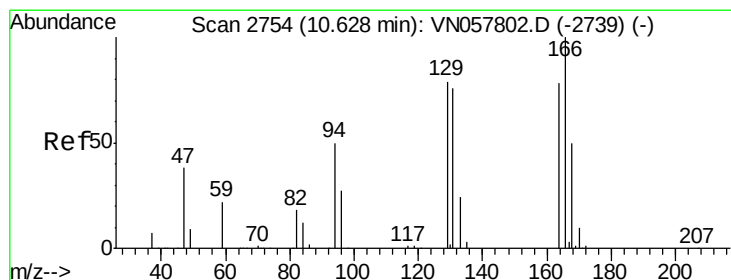
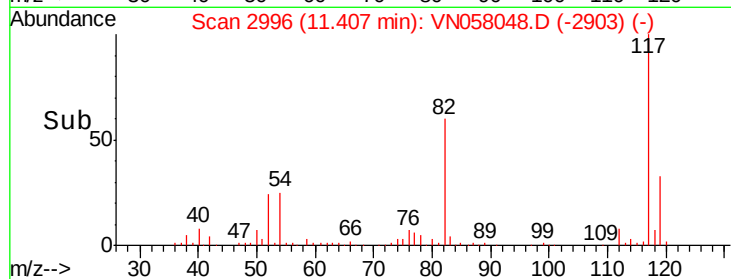
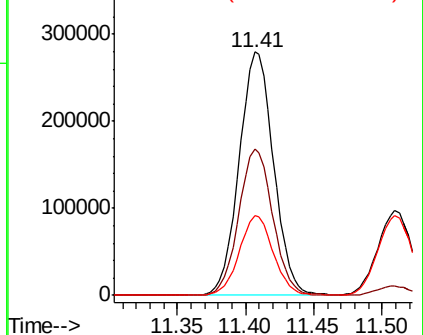
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 489717
Ion Ratio Lower Upper
117 100
82 60.1 47.2 70.8
119 32.5 25.3 37.9

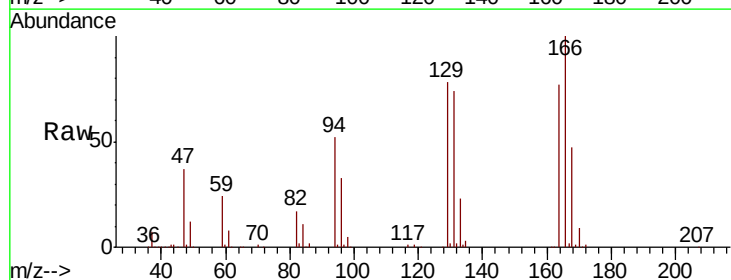


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

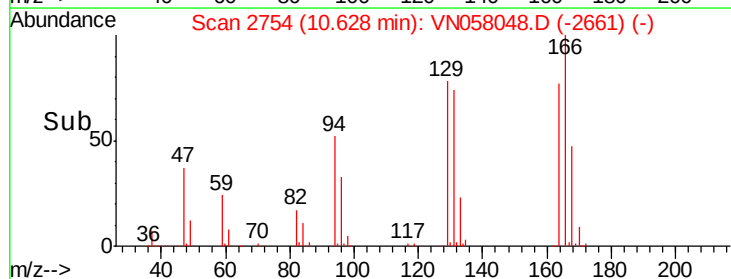
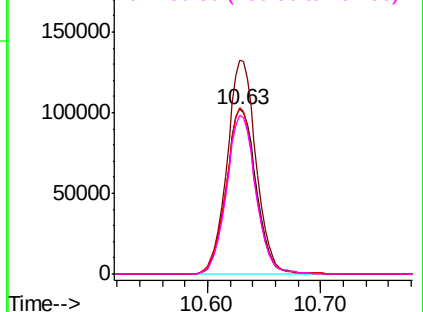


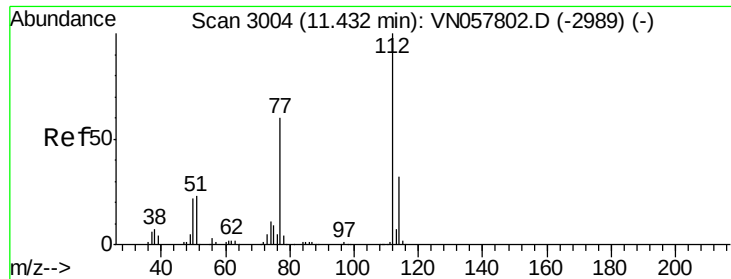
#64
Tetrachloroethene
Concen: 51.891 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion:164 Resp: 187628
Ion Ratio Lower Upper
164 100
166 129.7 102.2 153.2
129 100.8 80.8 121.2
131 96.1 77.4 116.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

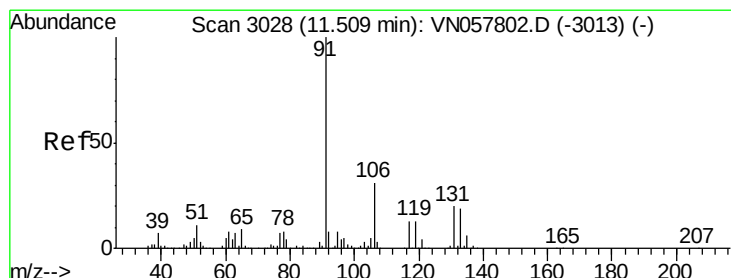
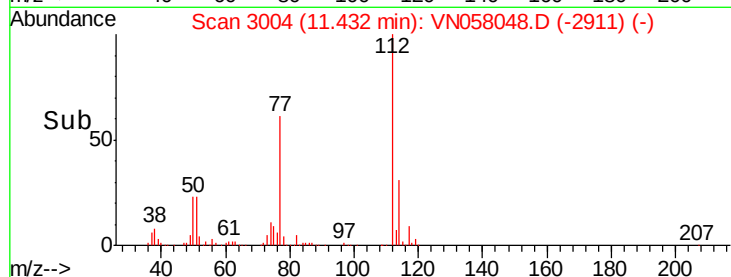
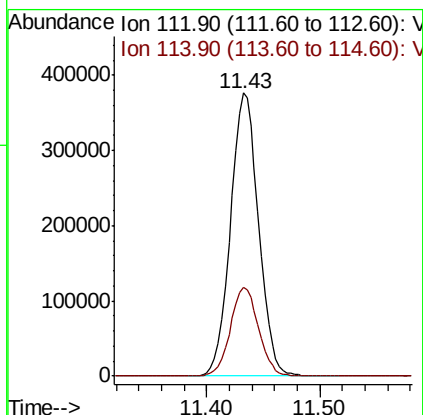
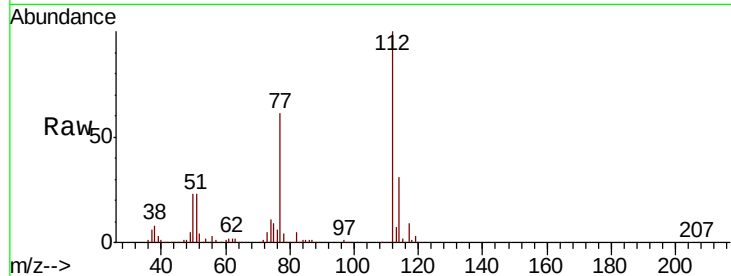




#65
Chlorobenzene
Concen: 50.670 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

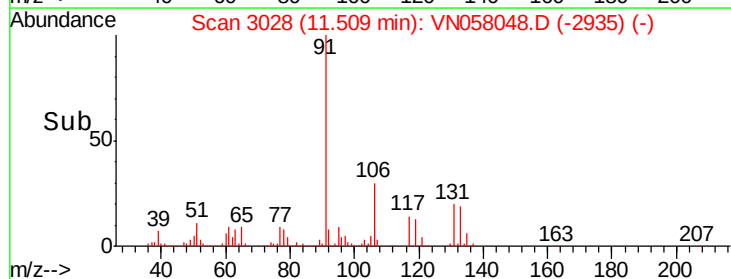
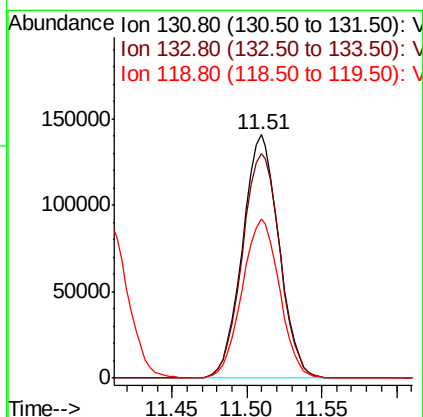
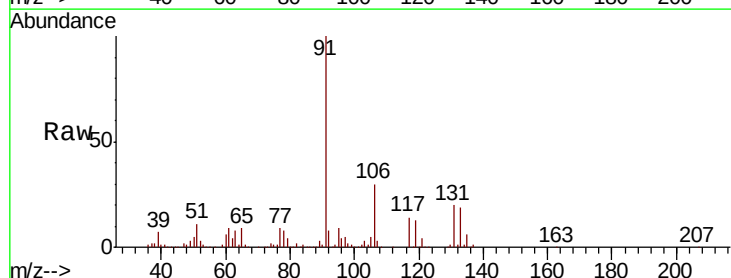
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

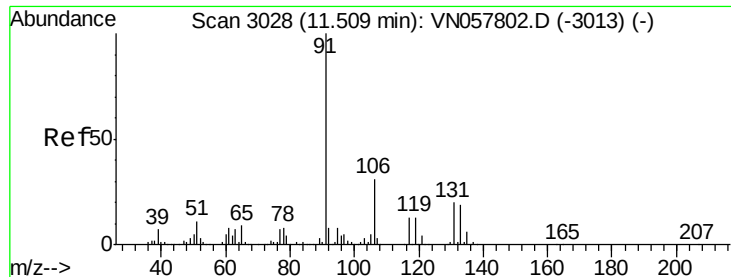
Tgt Ion:112 Resp: 649403
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.751 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion:131 Resp: 239039
Ion Ratio Lower Upper
131 100
133 95.5 47.1 141.3
119 67.0 33.3 99.8

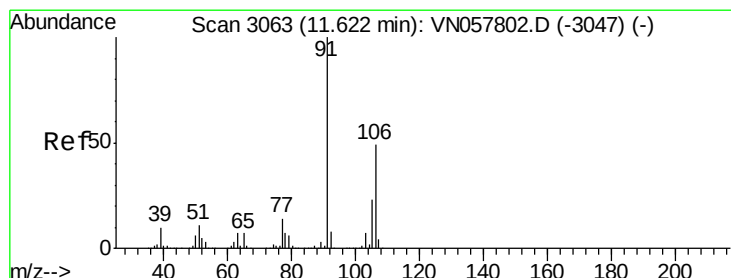
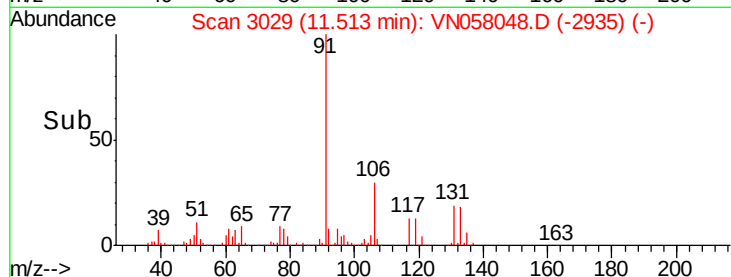
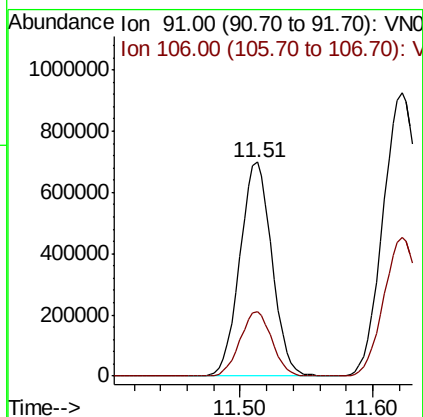
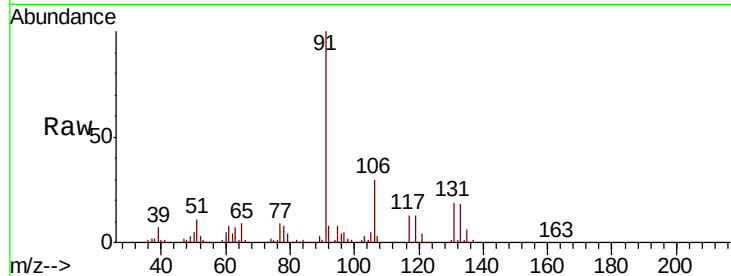




#67
Ethyl Benzene
Concen: 52.118 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

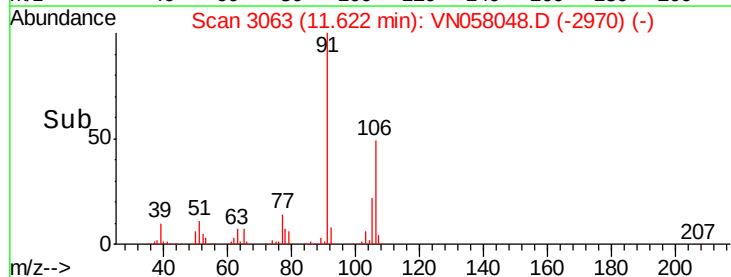
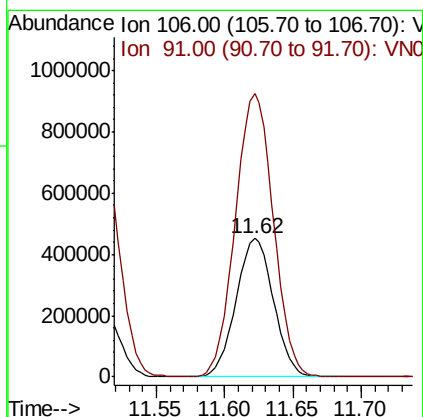
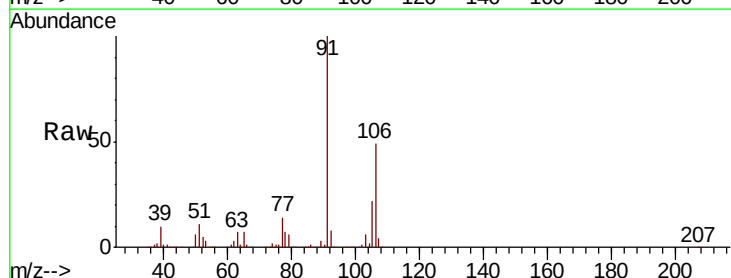
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

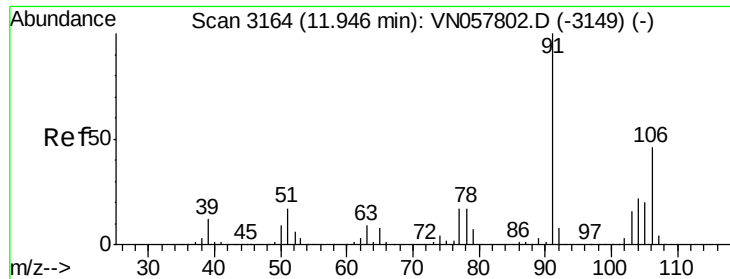
Tgt Ion: 91 Resp: 1170616
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6



#68
m/p-Xylenes
Concen: 104.550 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion: 106 Resp: 860179
Ion Ratio Lower Upper
106 100
91 208.2 165.8 248.6

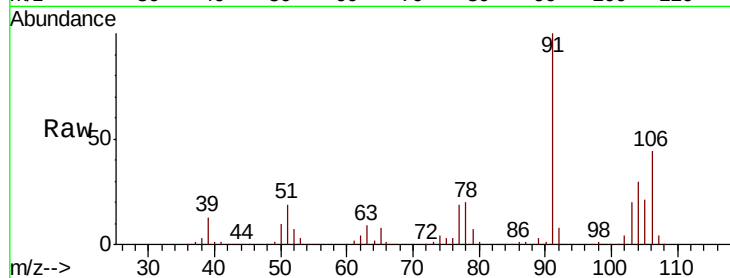




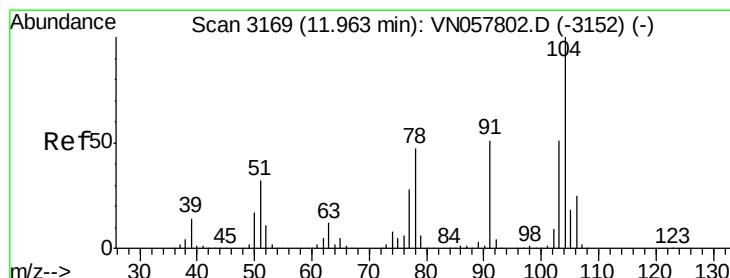
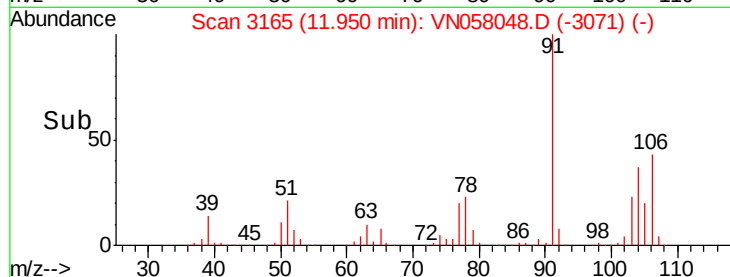
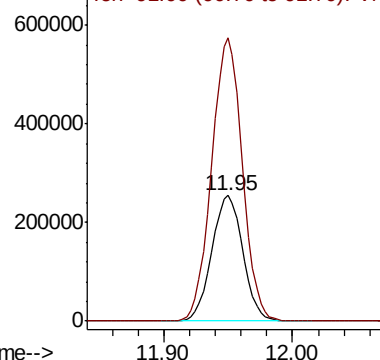
#69
o-Xylene
Concen: 52.222 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 427136
Ion Ratio Lower Upper
106 100
91 222.2 108.7 326.1

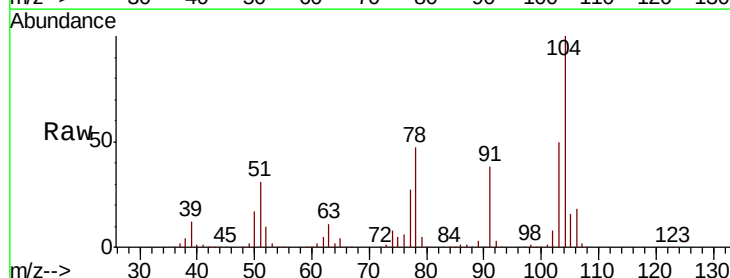


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

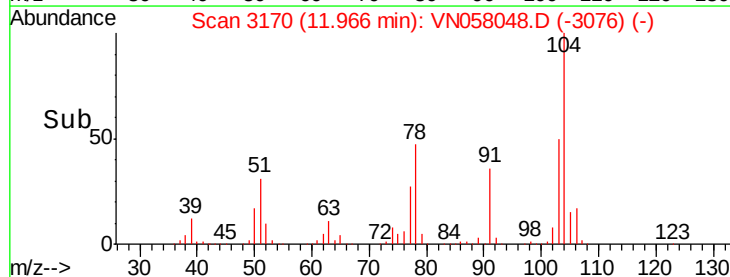
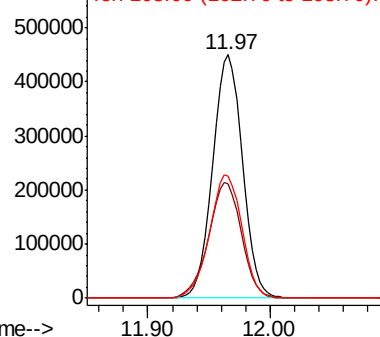


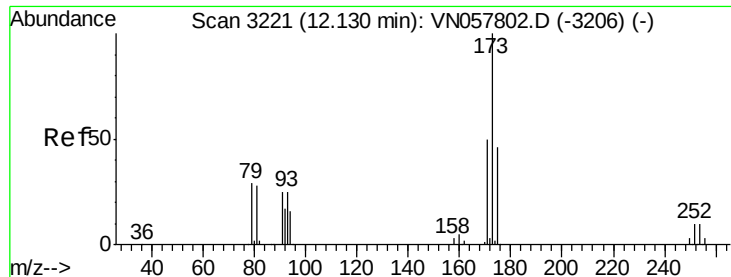
#70
Styrene
Concen: 53.929 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058048.D
Acq: 14 Sep 2019 3:05

Tgt Ion:104 Resp: 759128
Ion Ratio Lower Upper
104 100
78 52.5 41.3 61.9
103 55.1 43.7 65.5



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





#71

Bromoform

Concen: 53.932 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

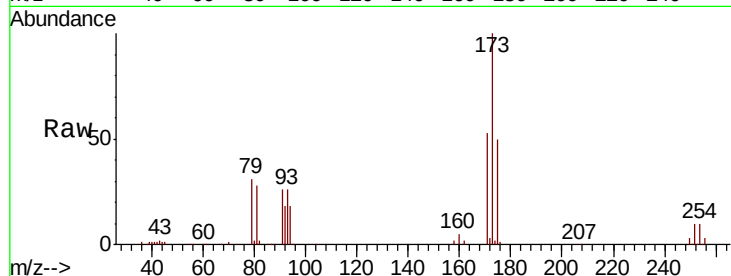
Tgt Ion:173 Resp: 149534

Ion Ratio Lower Upper

173 100

175 49.3 23.5 70.6

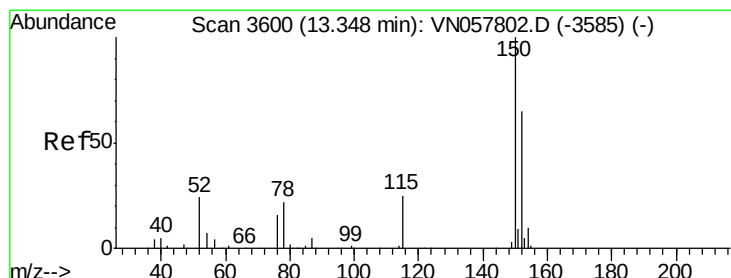
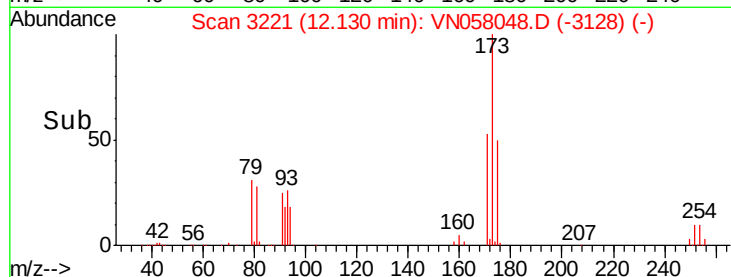
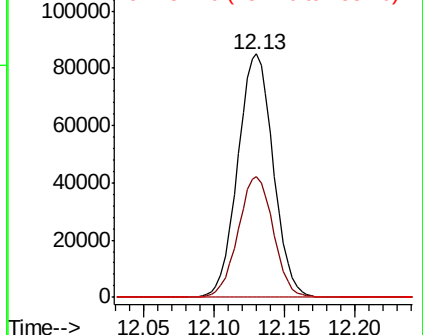
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

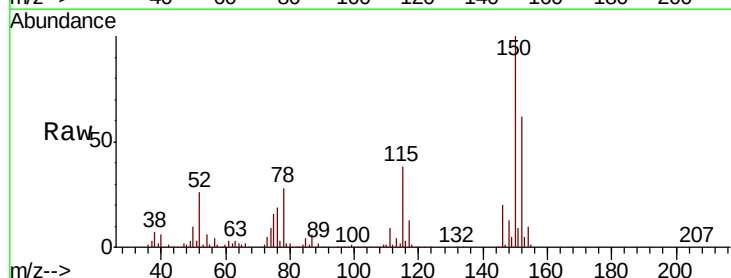
Tgt Ion:152 Resp: 301867

Ion Ratio Lower Upper

152 100

115 60.9 30.3 91.0

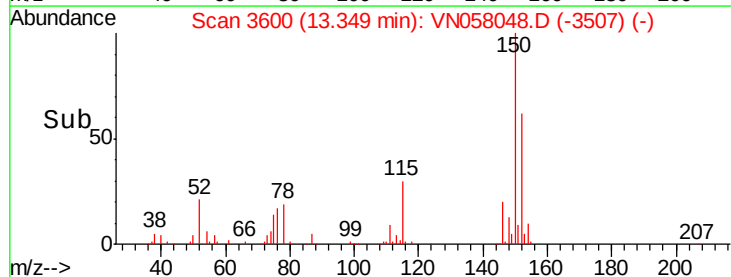
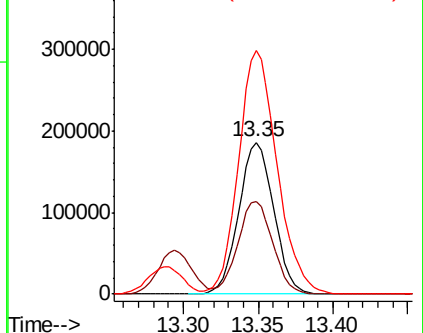
150 176.9 0.0 352.4

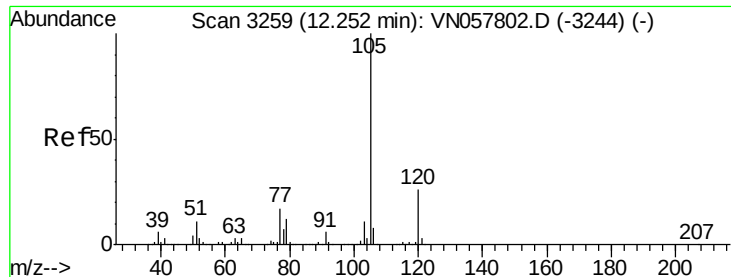


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.263 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

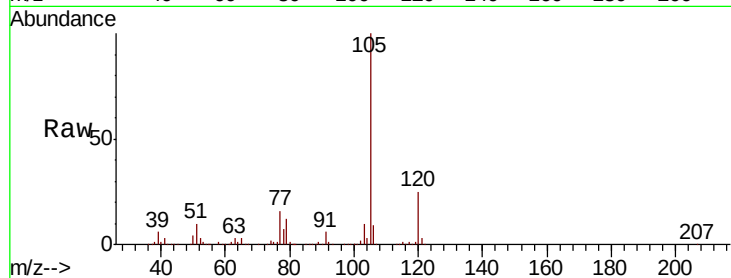
VSTDCCC050EC

Tgt Ion: 105 Resp: 1200778

Ion Ratio Lower Upper

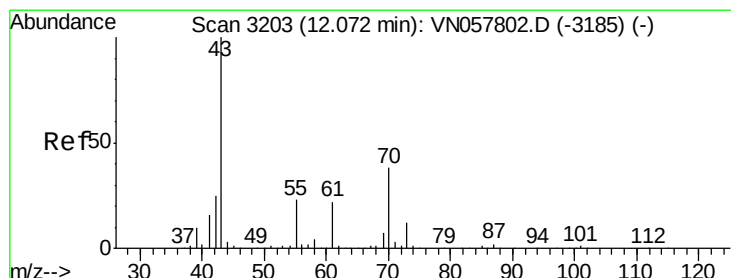
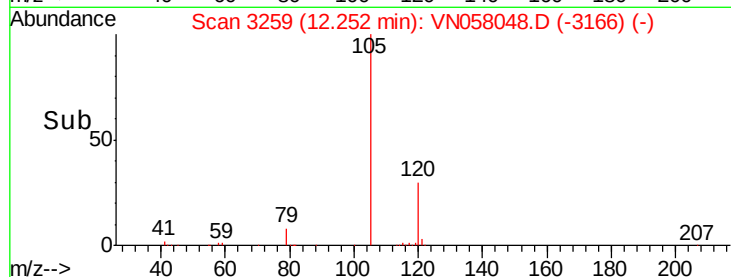
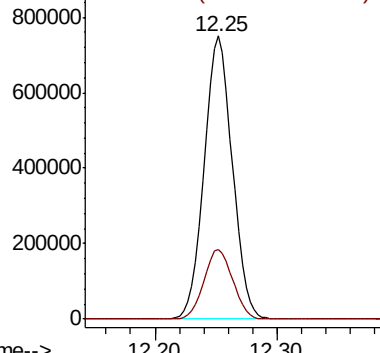
105 100

120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.143 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Tgt Ion: 43 Resp: 511167

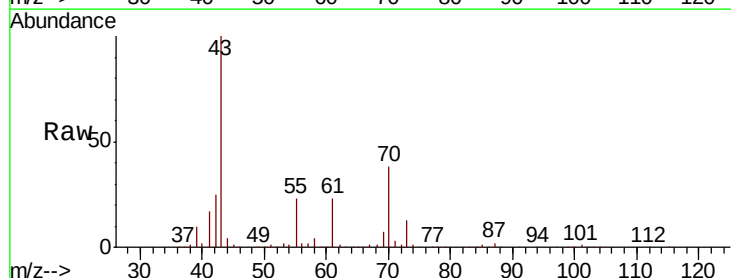
Ion Ratio Lower Upper

43 100

70 39.1 30.6 45.8

55 24.0 18.6 27.8

61 22.5 17.4 26.2

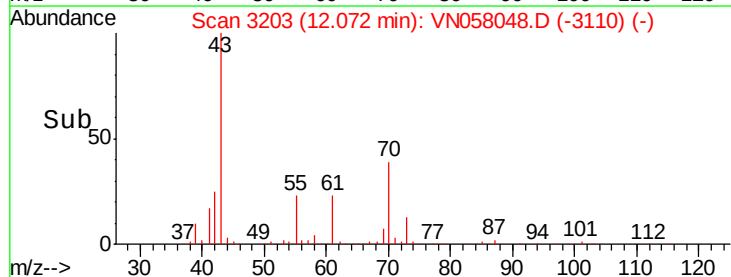
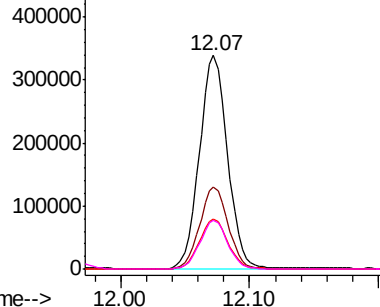


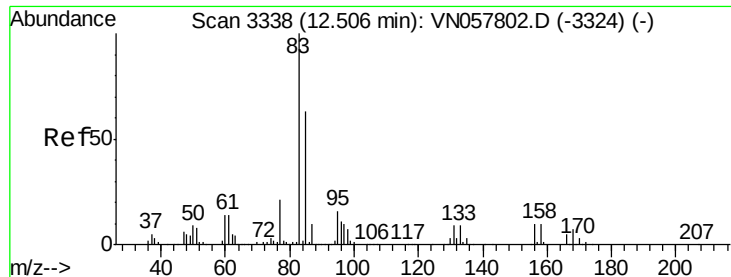
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.282 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

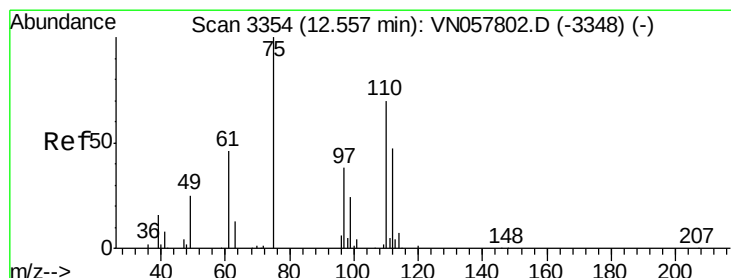
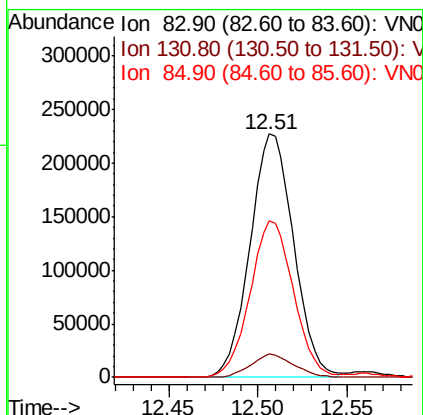
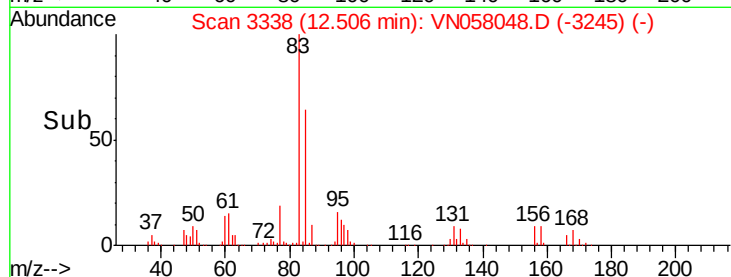
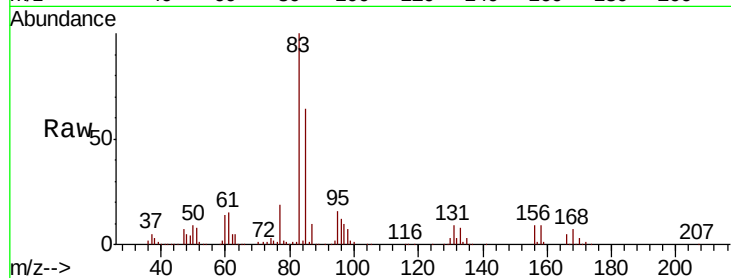
Tgt Ion: 83 Resp: 388677

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 63.9 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 66.424 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058048.D

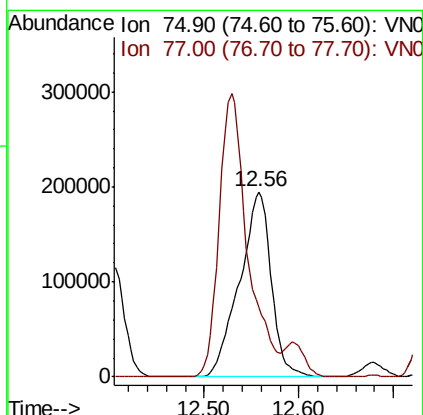
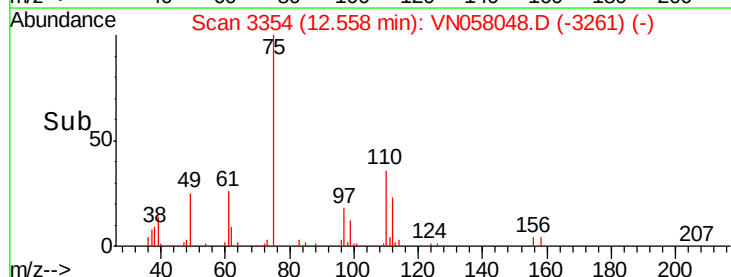
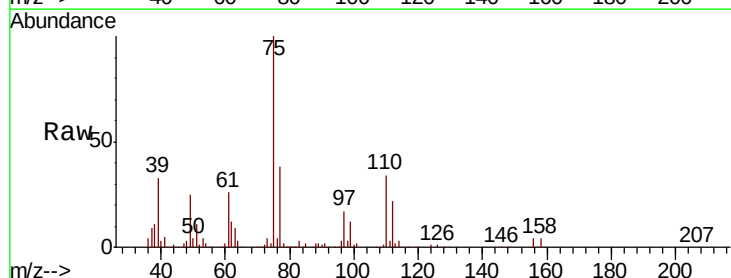
Acq: 14 Sep 2019 3:05

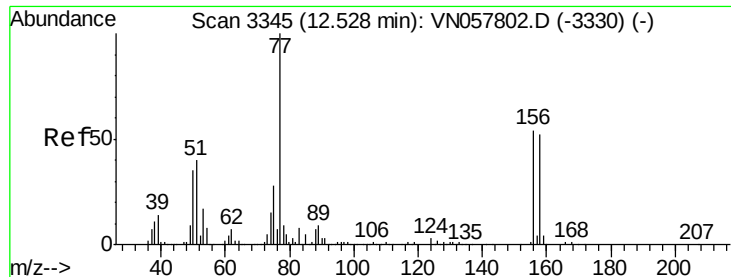
Tgt Ion: 75 Resp: 453593

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.406 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

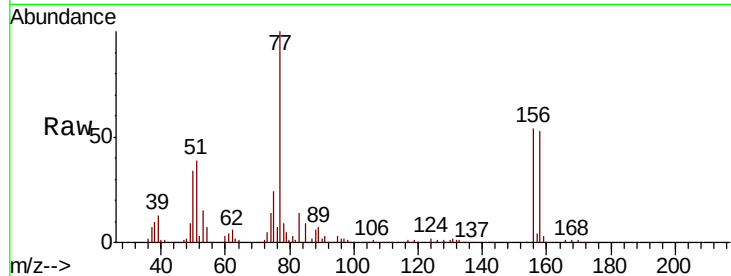
Tgt Ion:156 Resp: 282693

Ion Ratio Lower Upper

156 100

77 221.1 113.7 341.1

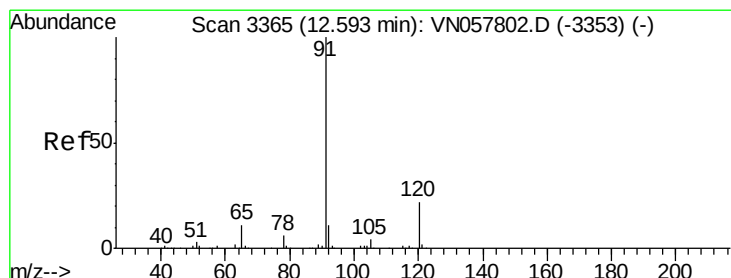
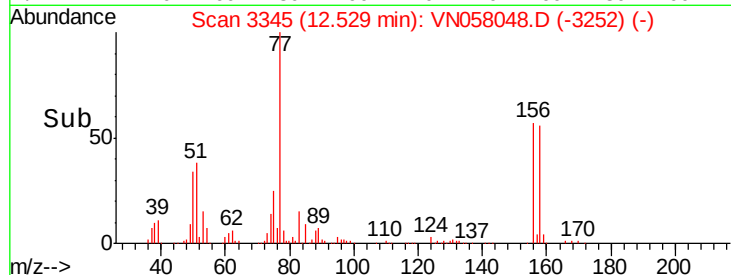
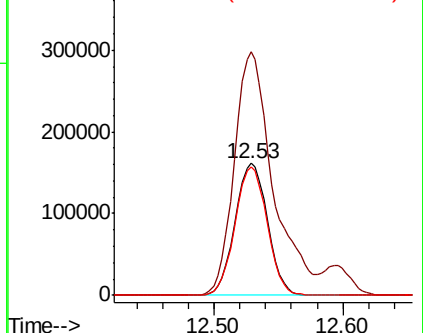
158 96.3 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.603 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058048.D

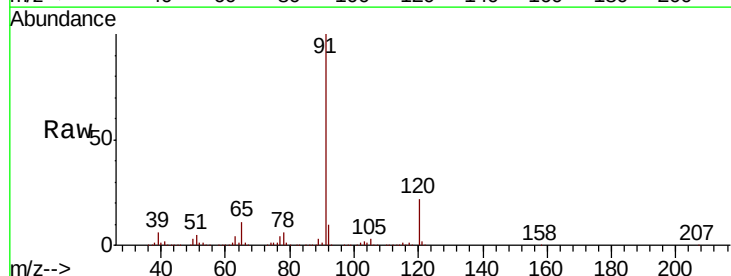
Acq: 14 Sep 2019 3:05

Tgt Ion: 91 Resp: 1414898

Ion Ratio Lower Upper

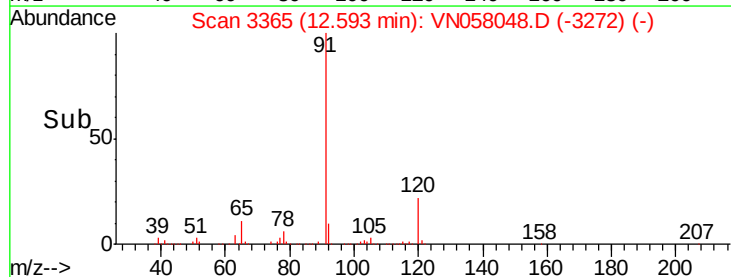
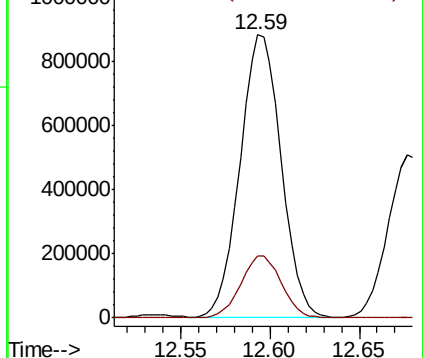
91 100

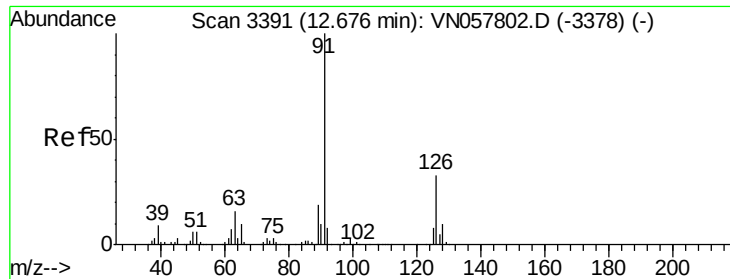
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.424 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

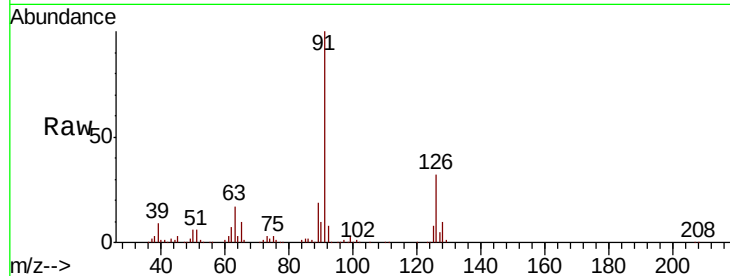
VSTDCCC050EC

Tgt Ion: 91 Resp: 840218

Ion Ratio Lower Upper

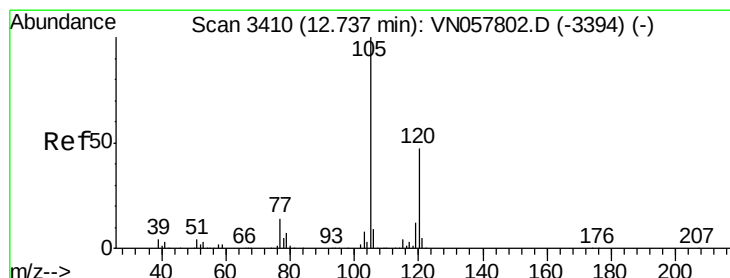
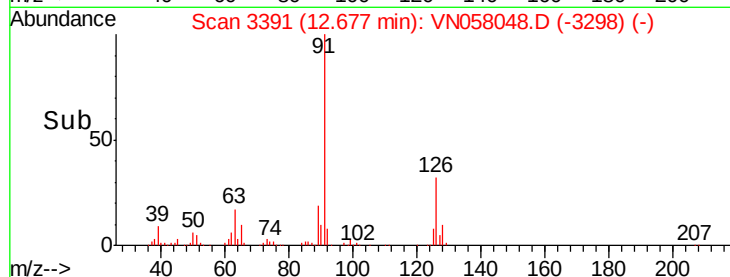
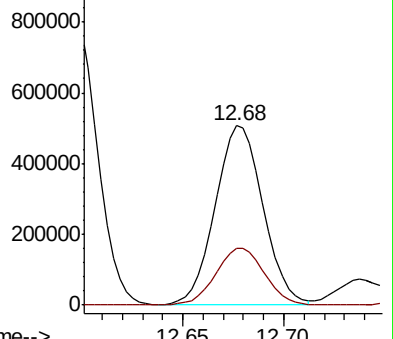
91 100

126 32.4 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057802.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.607 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058048.D

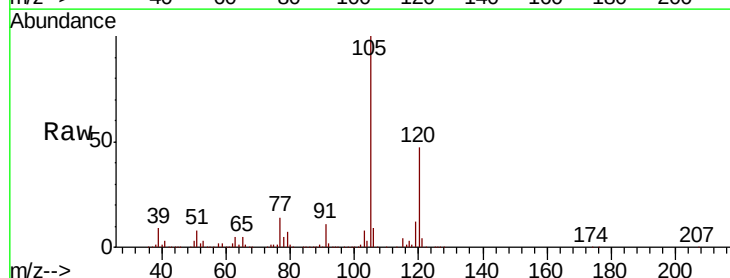
Acq: 14 Sep 2019 3:05

Tgt Ion: 105 Resp: 1041193

Ion Ratio Lower Upper

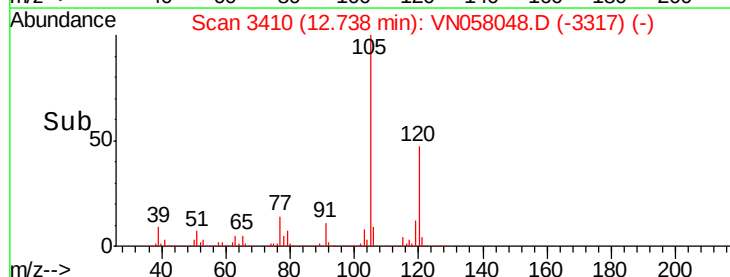
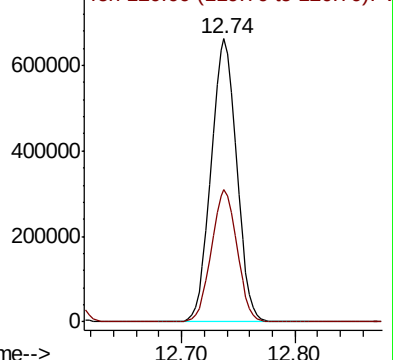
105 100

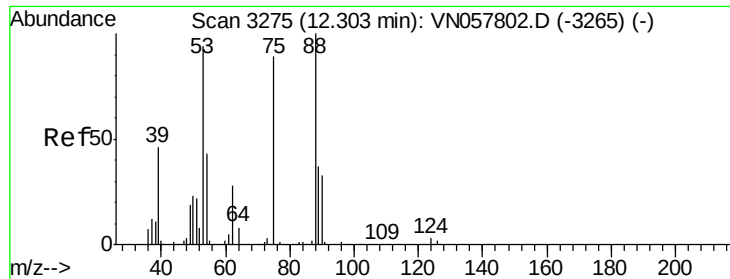
120 47.0 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN057802.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN057802.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.753 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

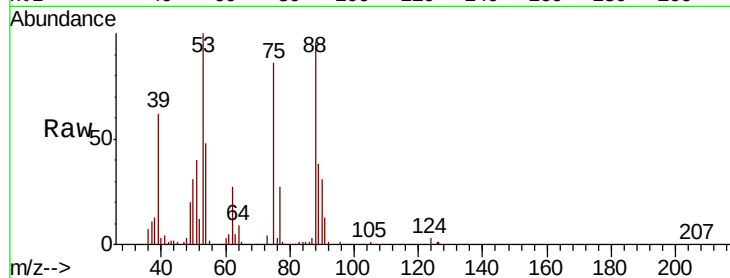
Tgt Ion: 75 Resp: 84903

Ion Ratio Lower Upper

75 100

53 117.3 88.4 132.6

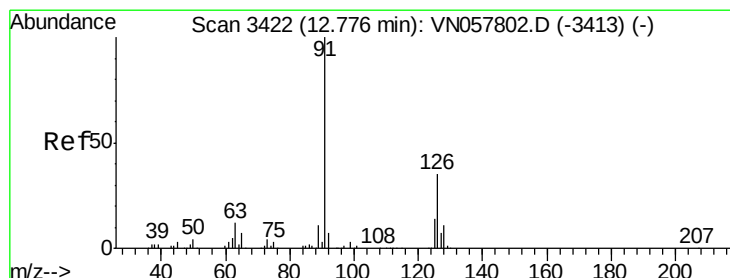
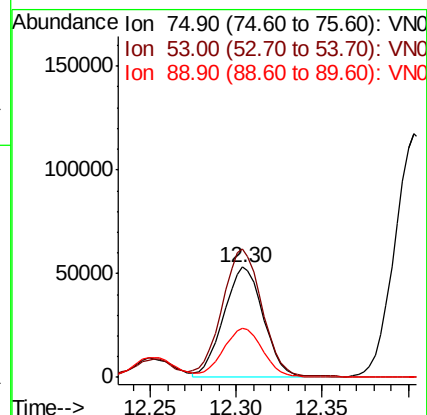
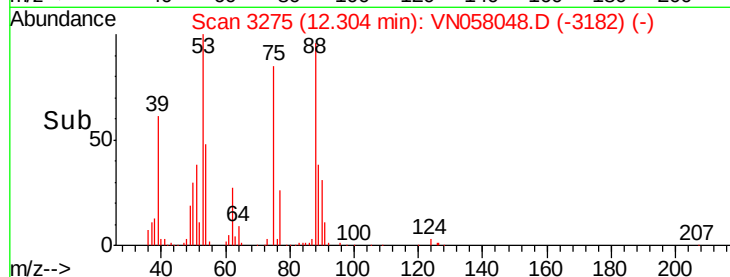
89 45.0 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.091 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058048.D

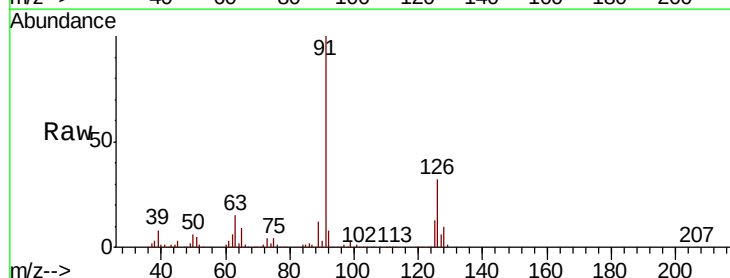
Acq: 14 Sep 2019 3:05

Tgt Ion: 91 Resp: 891952

Ion Ratio Lower Upper

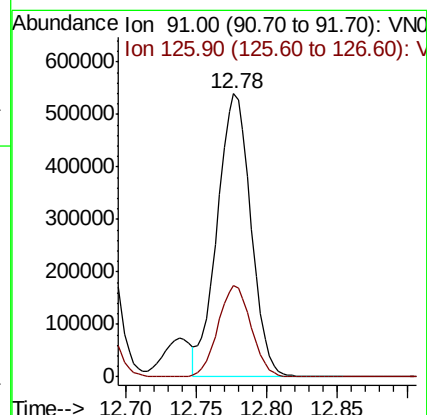
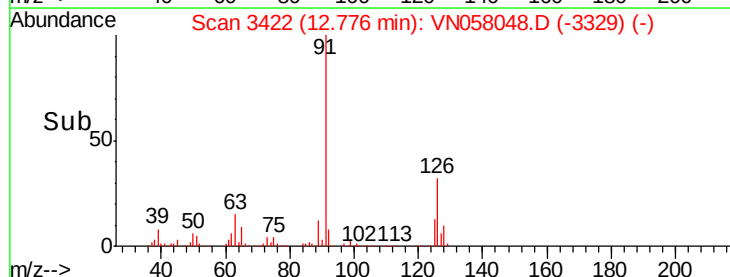
91 100

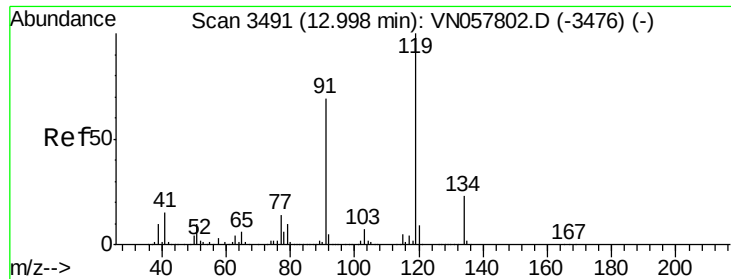
126 31.9 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

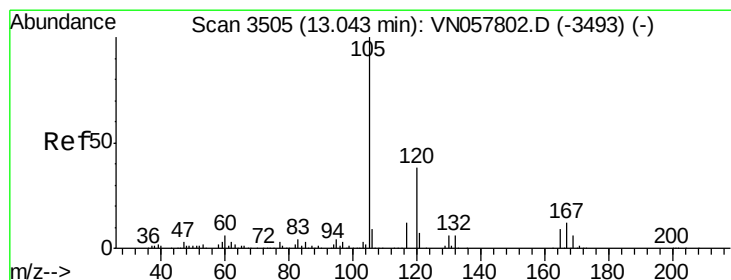
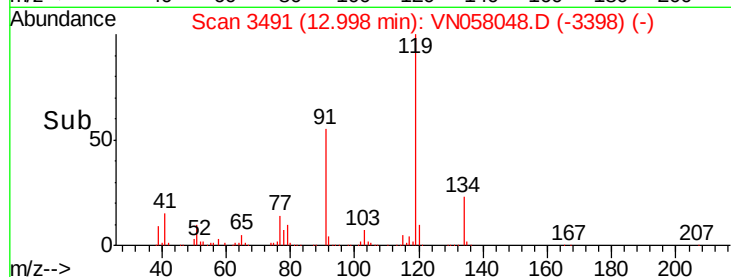
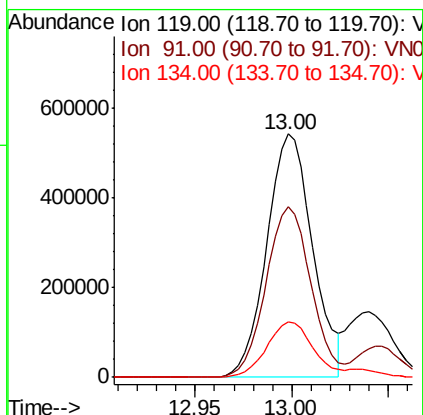
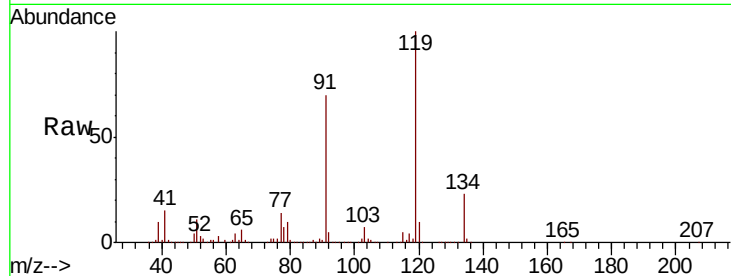




#83
 tert-Butylbenzene
 Concen: 50.989 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

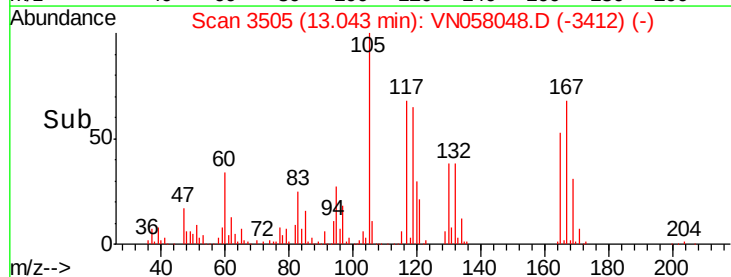
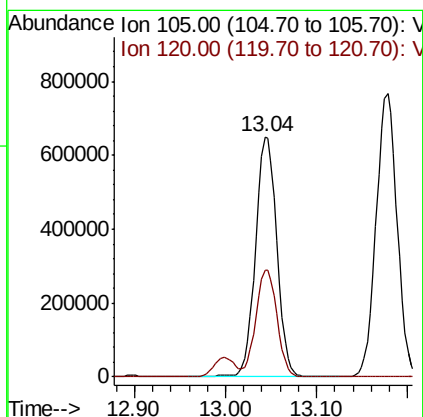
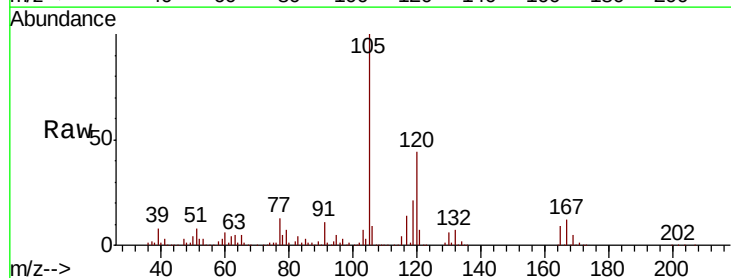
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

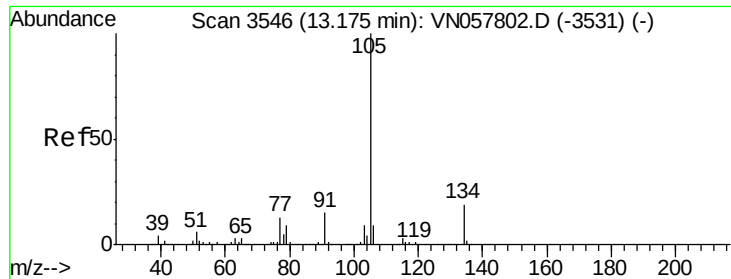
Tgt Ion:119 Resp: 897050
 Ion Ratio Lower Upper
 119 100
 91 68.9 33.6 100.8
 134 23.1 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 52.437 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion:105 Resp: 1054782
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.2





#85

sec-Butylbenzene

Concen: 52.514 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

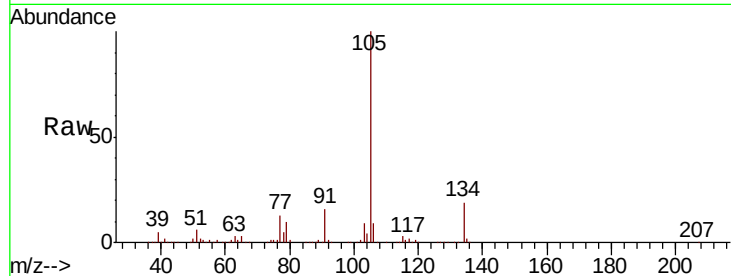
VSTDCCC050EC

Tgt Ion:105 Resp: 1224546

Ion Ratio Lower Upper

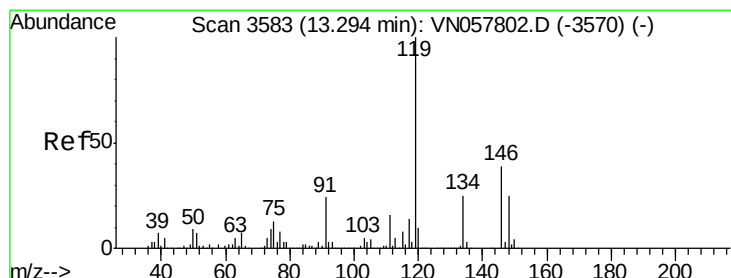
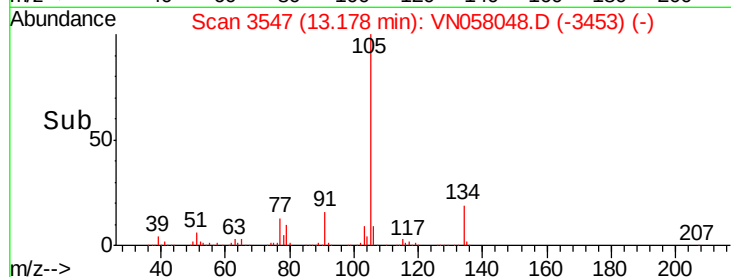
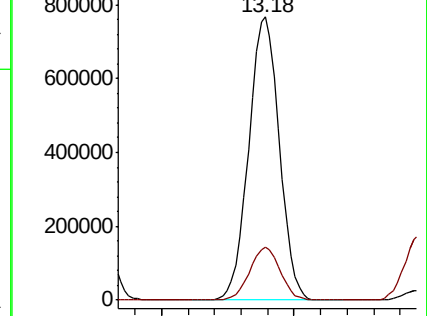
105 100

134 18.6 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.598 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

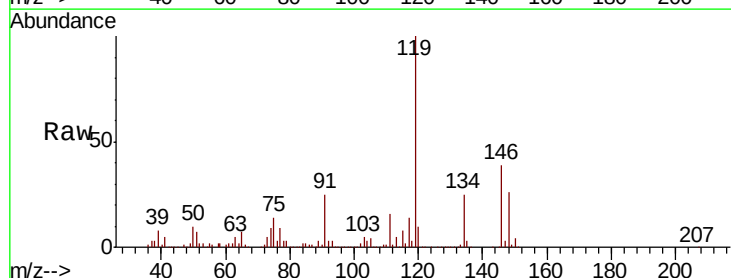
Tgt Ion:119 Resp: 1101214

Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

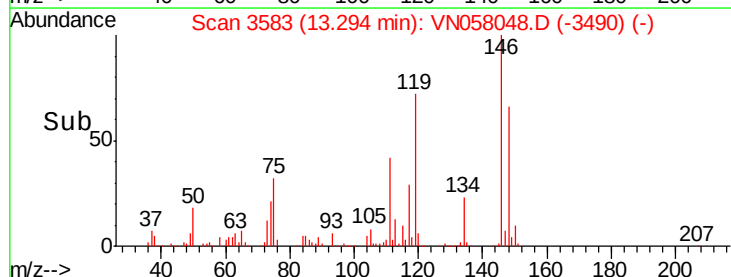
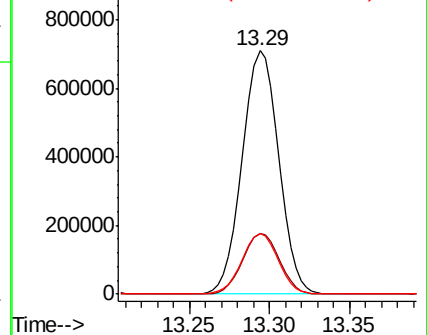
91 24.6 12.3 36.8

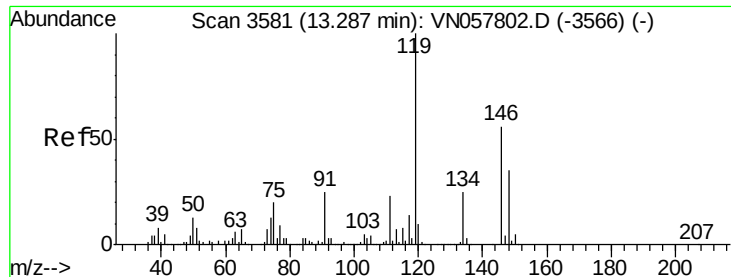


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

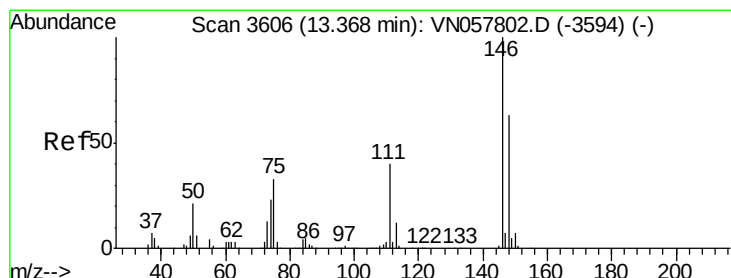
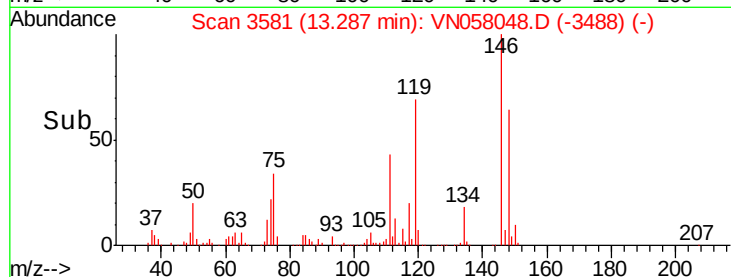
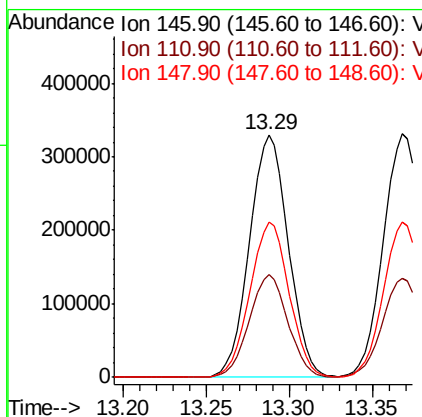
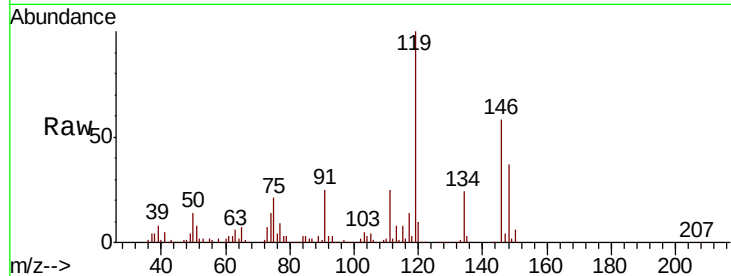




#87
 1,3-Dichlorobenzene
 Concen: 50.106 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

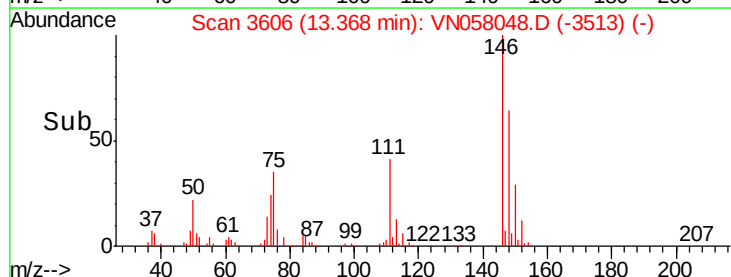
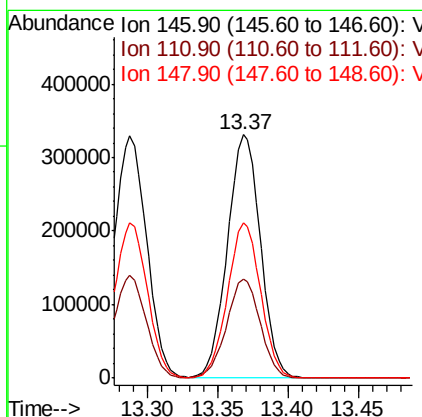
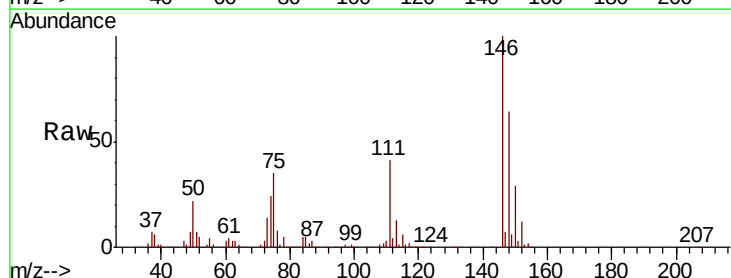
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

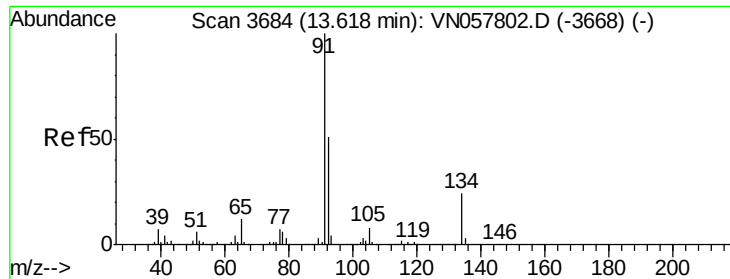
Tgt Ion:146 Resp: 537109
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.5 61.6
 148 64.3 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 49.903 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion:146 Resp: 542984
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.4 61.2
 148 63.7 31.8 95.4





#89

n-Butylbenzene

Concen: 51.768 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

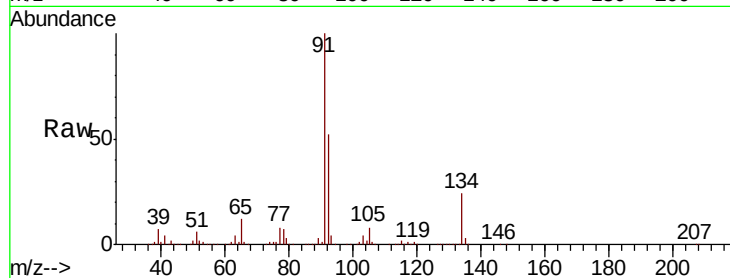
Tgt Ion: 91 Resp: 1004442

Ion Ratio Lower Upper

91 100

92 51.6 25.7 77.0

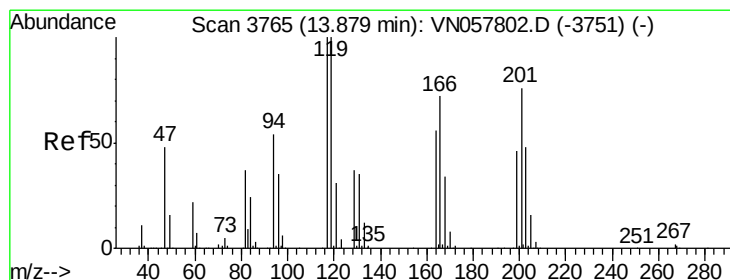
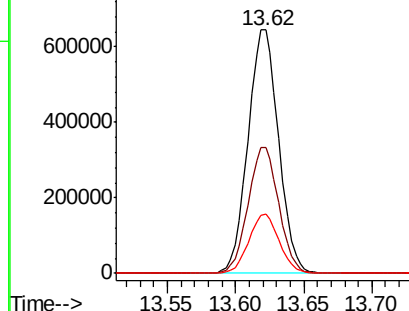
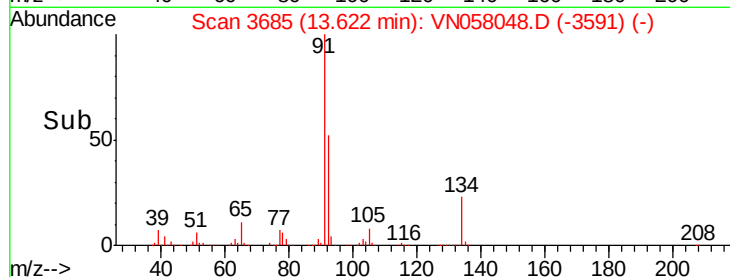
134 24.0 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)



#90

Hexachloroethane

Concen: 52.544 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058048.D

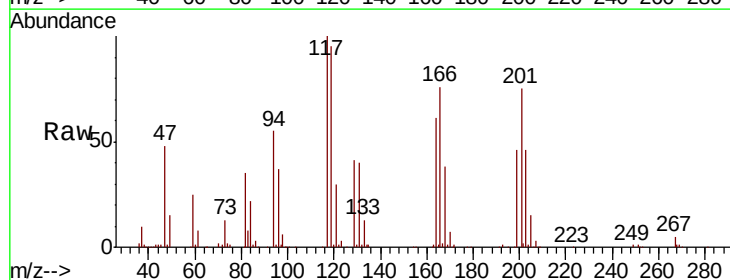
Acq: 14 Sep 2019 3:05

Tgt Ion: 117 Resp: 160554

Ion Ratio Lower Upper

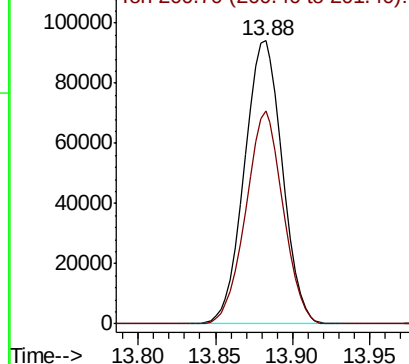
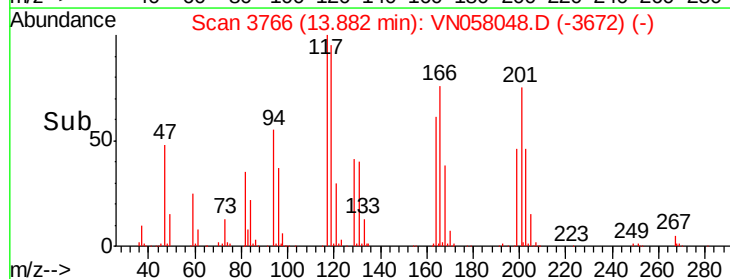
117 100

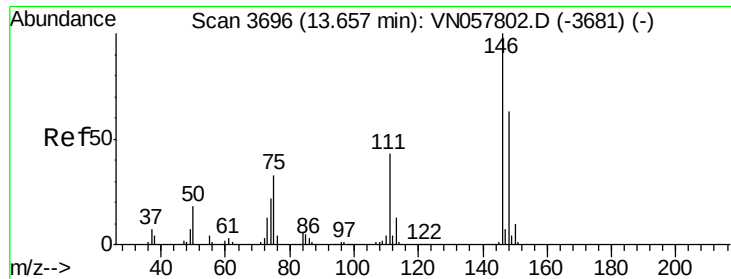
201 73.8 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)

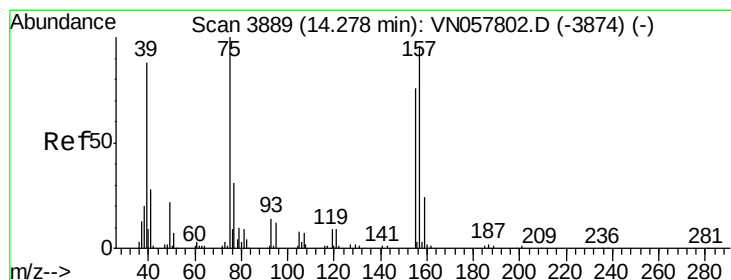
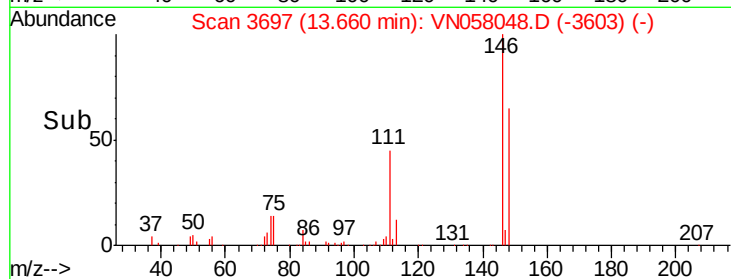
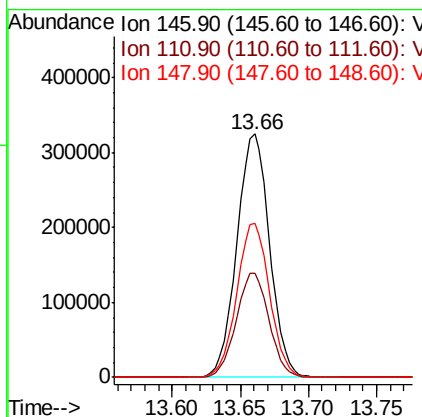
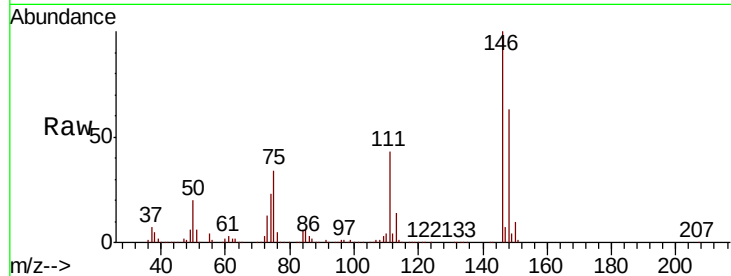




#91
 1,2-Dichlorobenzene
 Concen: 50.457 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

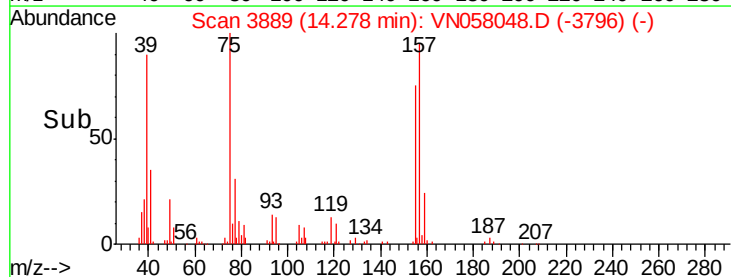
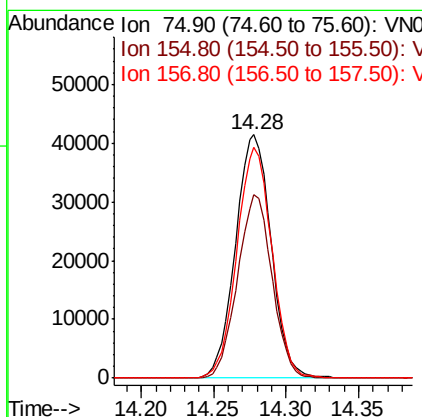
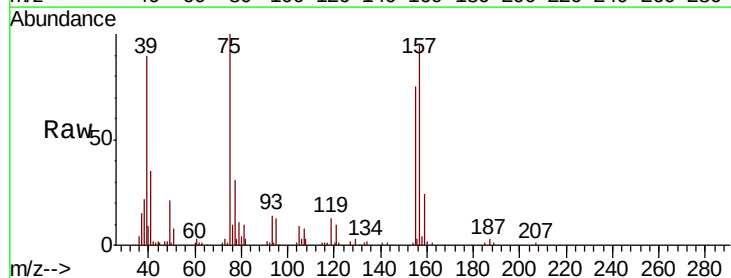
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

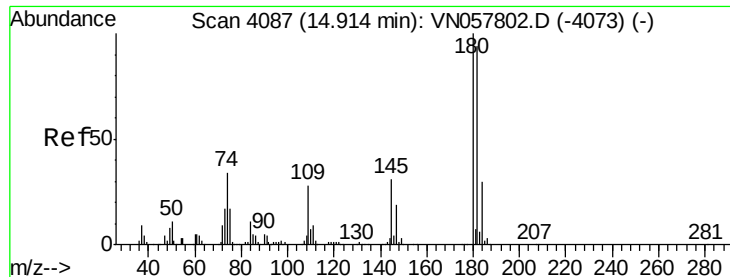
Tgt Ion: 146 Resp: 540350
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.3 63.9
 148 63.4 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.378 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion: 75 Resp: 70825
 Ion Ratio Lower Upper
 75 100
 155 72.8 37.3 111.8
 157 93.1 47.9 143.8

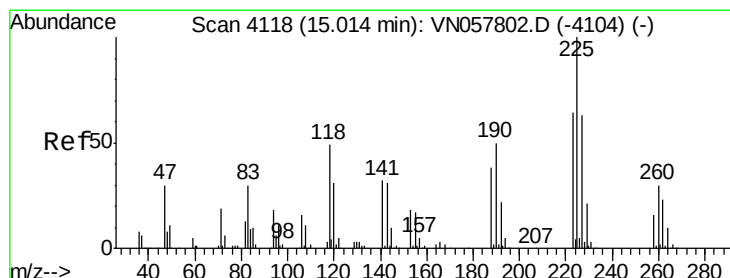
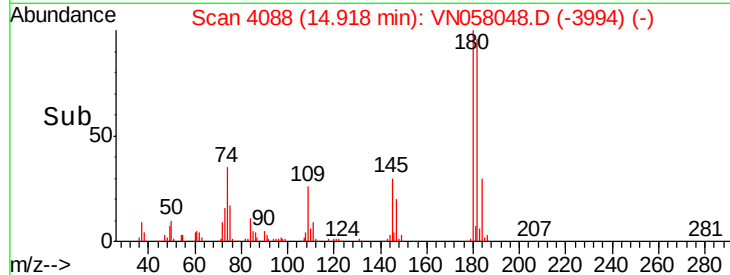
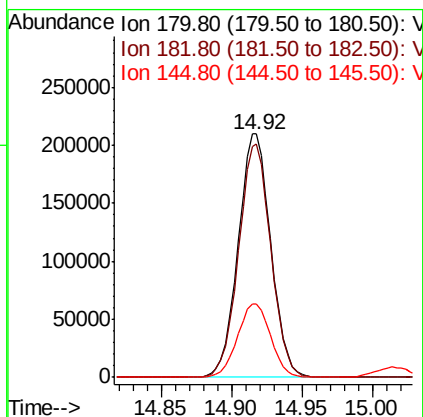
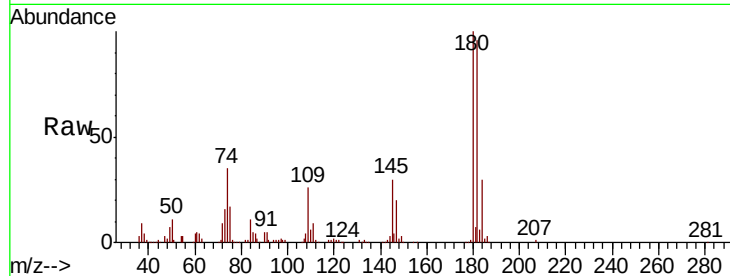




#93
 1,2,4-Trichlorobenzene
 Concen: 48.450 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

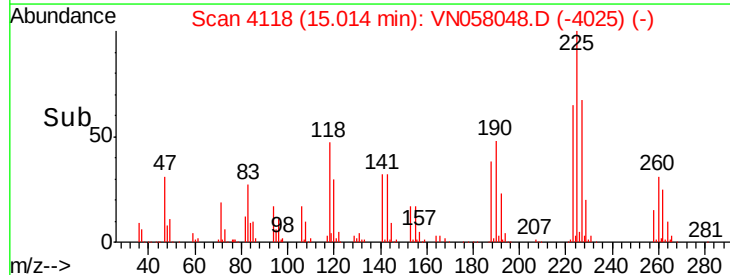
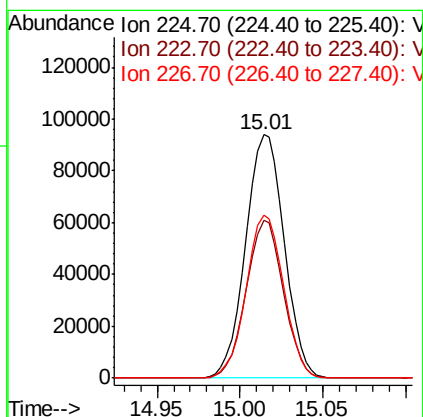
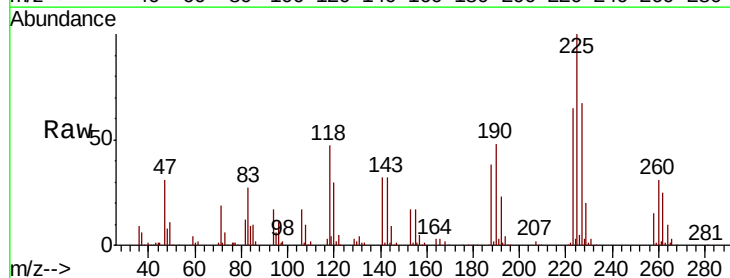
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

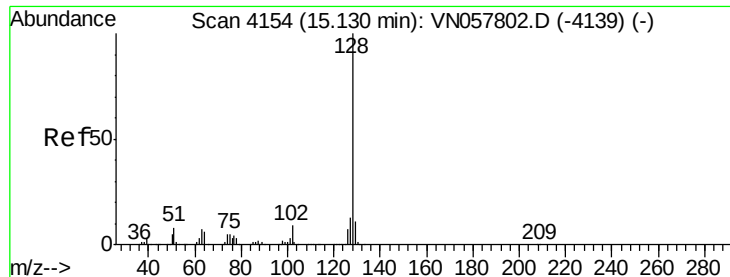
Tgt Ion:180 Resp: 339137
 Ion Ratio Lower Upper
 180 100
 182 95.1 46.9 140.8
 145 30.8 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 51.228 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058048.D
 Acq: 14 Sep 2019 3:05

Tgt Ion:225 Resp: 152005
 Ion Ratio Lower Upper
 225 100
 223 62.7 32.4 97.2
 227 65.0 31.8 95.4





#95

Naphthalene

Concen: 54.619 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

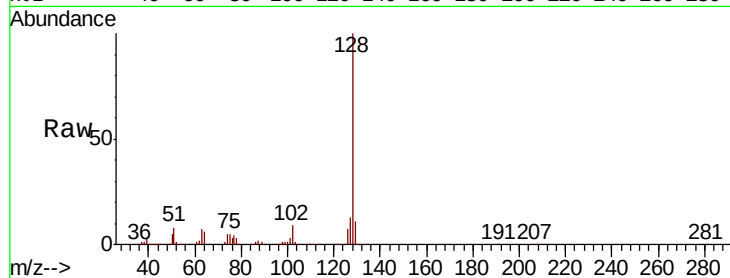
Tgt Ion:128 Resp: 962622

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

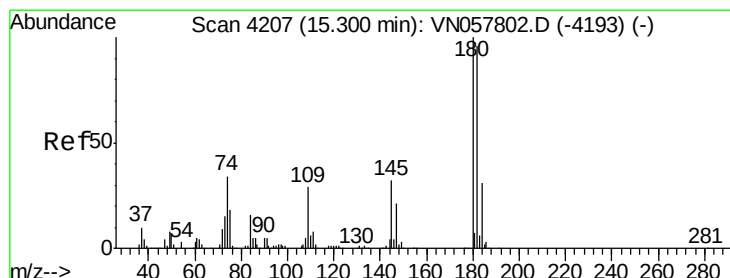
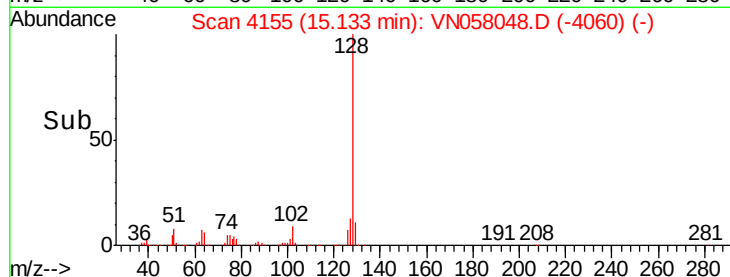
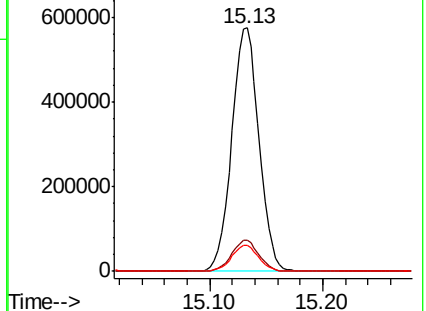
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.894 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058048.D

Acq: 14 Sep 2019 3:05

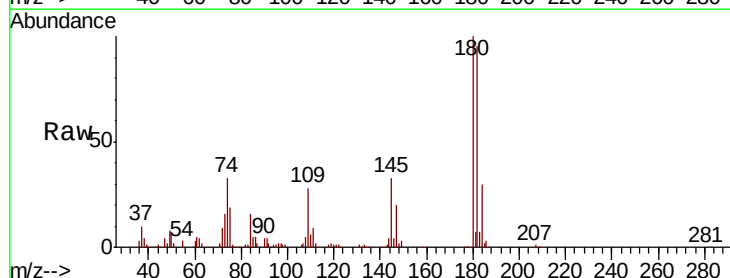
Tgt Ion:180 Resp: 323584

Ion Ratio Lower Upper

180 100

182 95.6 48.3 144.8

145 32.5 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

