

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100219\
 Data File : VN058475.D
 Acq On : 2 Oct 2019 15:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 03 05:09:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	579114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	540764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	262172	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	258318	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.57	113	188756	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.09	98	724998	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.40	95	269776	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	186547	49.160	ug/l	100
3) Chloromethane	2.03	50	217214	52.067	ug/l	100
4) Vinyl Chloride	2.17	62	211831	51.833	ug/l	99
5) Bromomethane	2.54	94	113449	52.263	ug/l	96
6) Chloroethane	2.68	64	130218	53.178	ug/l	94
7) Trichlorofluoromethane	2.99	101	263914	53.513	ug/l	100
8) Diethyl Ether	3.39	74	108448	50.965	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	172620	51.538	ug/l	98
10) Methyl Iodide	3.93	142	196855	53.006	ug/l	99
11) Tert butyl alcohol	4.76	59	174287	310.213	ug/l	98
12) 1,1-Dichloroethene	3.72	96	164458	50.375	ug/l	99
13) Acrolein	3.58	56	68956	385.885	ug/l	98
14) Allyl chloride	4.30	41	308035	51.847	ug/l	98
15) Acrylonitrile	4.96	53	487117	297.490	ug/l	100
16) Acetone	3.79	43	491940	285.348	ug/l	98
17) Carbon Disulfide	4.03	76	428852	49.833	ug/l	98
18) Methyl Acetate	4.30	43	234639	54.113	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	600914	52.167	ug/l	100
20) Methylene Chloride	4.53	84	199555	50.158	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	184361	50.782	ug/l	98
22) Diisopropyl ether	5.93	45	687556	53.778	ug/l	99
23) Vinyl Acetate	5.87	43	2854599	296.117	ug/l	99
24) 1,1-Dichloroethane	5.82	63	383821	53.343	ug/l	99
25) 2-Butanone	6.81	43	712078	300.836	ug/l	99
26) 2,2-Dichloropropane	6.80	77	303386	51.287	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	220982	52.080	ug/l	99
28) Bromochloromethane	7.18	49	157913	54.903	ug/l	96
29) Tetrahydrofuran	7.19	42	446670	297.322	ug/l	100
30) Chloroform	7.35	83	386804	53.050	ug/l	99
31) Cyclohexane	7.64	56	342570	48.945	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	323656	54.055	ug/l	99
36) 1,1-Dichloropropene	7.77	75	292257	52.778	ug/l	99
37) Ethyl Acetate	6.91	43	286049	60.928	ug/l	99
38) Carbon Tetrachloride	7.75	117	268102	53.638	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	341364	52.789	ug/l	98
40) Benzene	8.02	78	853654	53.631	ug/l	99
41) Methacrylonitrile	7.19	41	424576	196.577	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	330330	53.342	ug/l	99
43) Isopropyl Acetate	8.15	43	470318	53.273	ug/l	100
44) Trichloroethene	8.82	130	205073	52.178	ug/l	97
45) 1,2-Dichloropropane	9.11	63	236328	55.360	ug/l	98
46) Dibromomethane	9.20	93	148772	55.030	ug/l	97
47) Bromodichloromethane	9.39	83	298120	58.202	ug/l	99
48) Methyl methacrylate	9.19	41	235695	58.630	ug/l	98
49) 1,4-Dioxane	9.19	88	84931	1580.030	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1465857	323.241	ug/l	99
52) Toluene	10.15	92	529381	52.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	325420	58.370	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	353931	57.191	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	208528	57.162	ug/l	99
56) Ethyl methacrylate	10.43	69	320390	57.879	ug/l	98
57) 1,3-Dichloropropane	10.70	76	370092	56.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	645920	292.634	ug/l	98
59) 2-Hexanone	10.75	43	1074269	325.332	ug/l	99
60) Dibromochloromethane	10.90	129	213294	56.534	ug/l	99
61) 1,2-Dibromoethane	11.00	107	212345	56.967	ug/l	100
64) Tetrachloroethene	10.63	164	169401	49.307	ug/l	97
65) Chlorobenzene	11.43	112	560764	52.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	201438	55.621	ug/l	99
67) Ethyl Benzene	11.51	91	1052346	54.050	ug/l	98
68) m/p-Xylenes	11.62	106	769110	104.993	ug/l	97
69) o-Xylene	11.95	106	366270	51.941	ug/l	95
70) Styrene	11.97	104	635412	55.466	ug/l	99
71) Bromoform	12.13	173	135224	53.973	ug/l #	99
73) Isopropylbenzene	12.25	105	1018152	52.549	ug/l	100
74) N-amyl acetate	12.07	43	426791	55.370	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	320971	56.023	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	391300	81.715	ug/l #	100
77) Bromobenzene	12.53	156	228694	50.339	ug/l	95
78) n-propylbenzene	12.59	91	1220836	55.929	ug/l	99
79) 2-Chlorotoluene	12.68	91	710437	52.730	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	879482	54.226	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87758	55.660	ug/l	94
82) 4-Chlorotoluene	12.78	91	733654	53.364	ug/l	100
83) tert-Butylbenzene	13.00	119	739706	54.049	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	874456	53.813	ug/l	99
85) sec-Butylbenzene	13.18	105	1018632	56.549	ug/l	99
86) p-Isopropyltoluene	13.29	119	911792	57.504	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	431832	52.421	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	425094	51.866	ug/l	100
89) n-Butylbenzene	13.62	91	820060	57.095	ug/l	99
90) Hexachloroethane	13.88	117	144244	60.547	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	422456	53.373	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61744	61.113	ug/l	95

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Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration

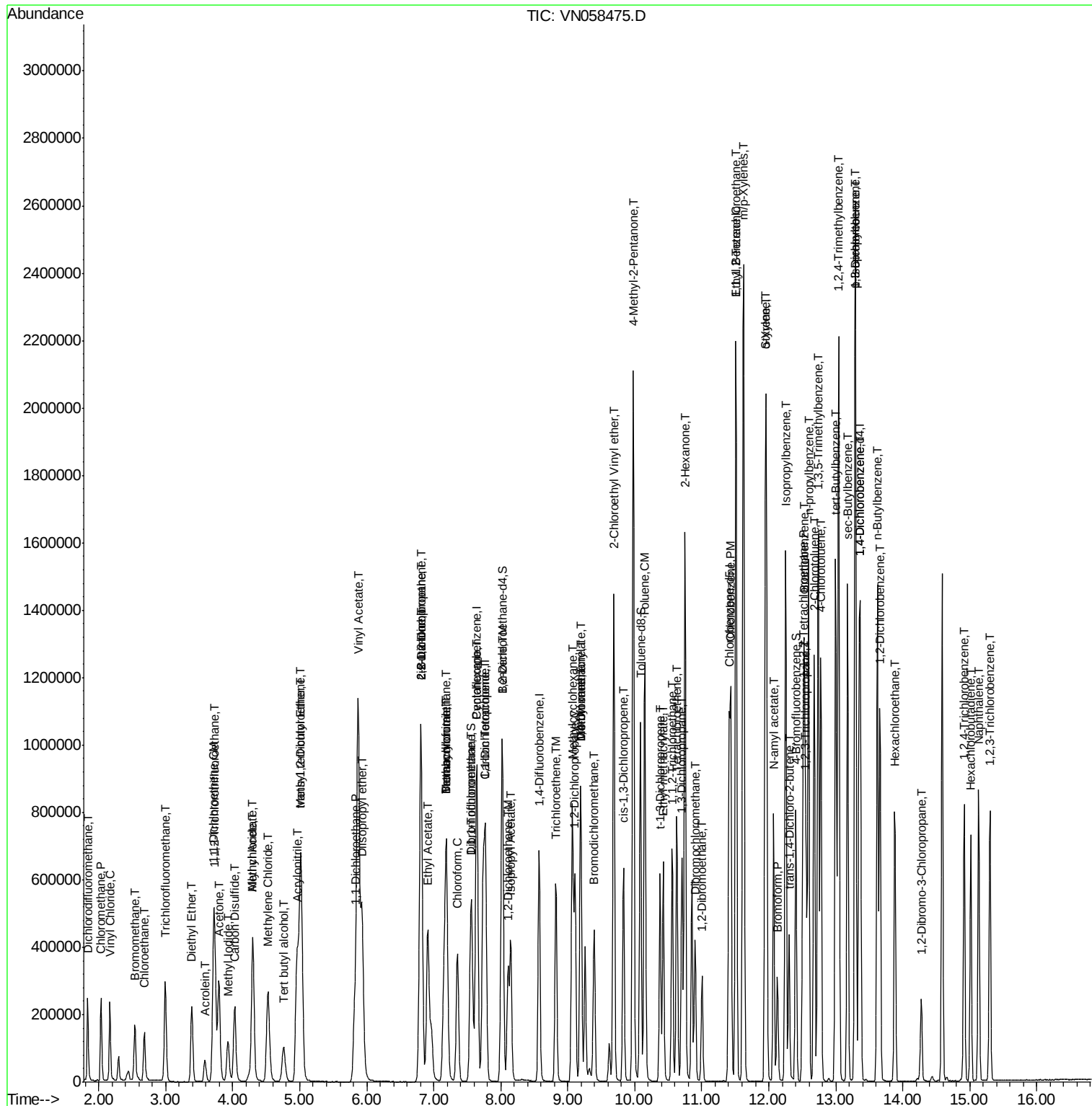
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	243823	55.746	ug/l	100
94) Hexachlorobutadiene	15.01	225	125834	55.974	ug/l	100
95) Naphthalene	15.13	128	670414	52.341	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	234693	53.523	ug/l	98

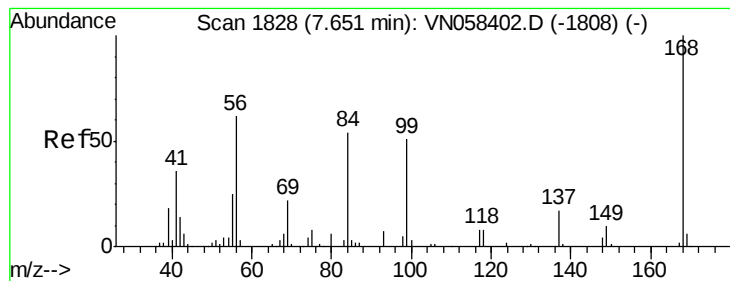
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN100219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

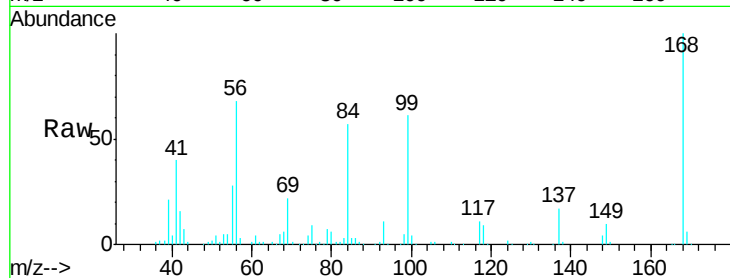
VSTDCCC050

Tgt Ion:168 Resp: 346076

Ion Ratio Lower Upper

168 100

99 60.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

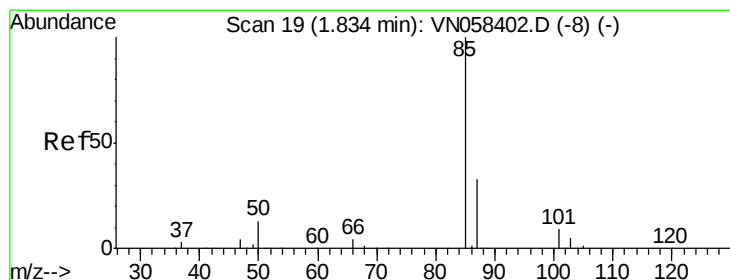
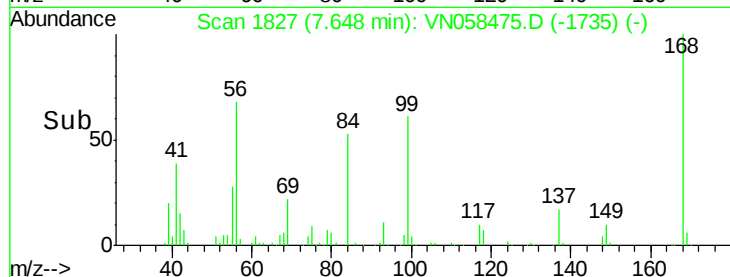
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.160 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058475.D

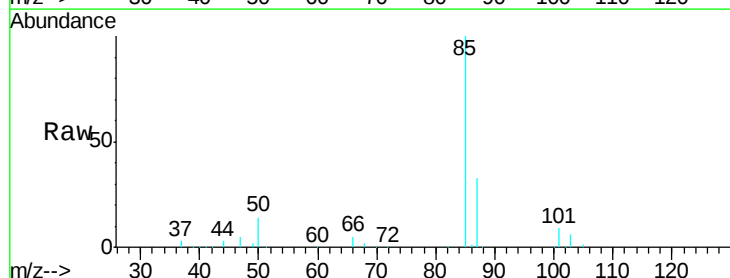
Acq: 2 Oct 2019 15:24

Tgt Ion: 85 Resp: 186547

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

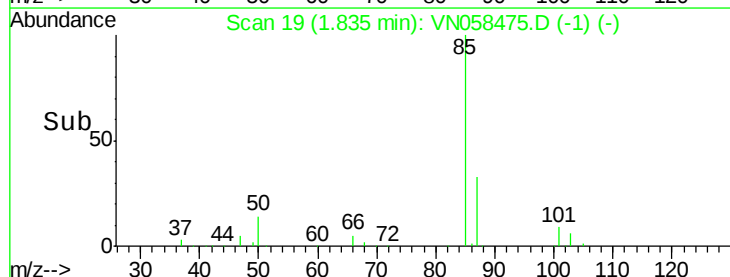
100000

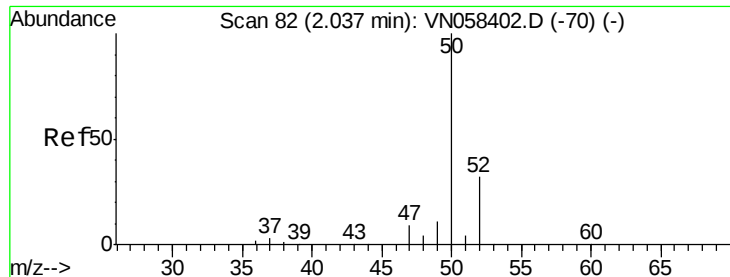
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 52.067 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

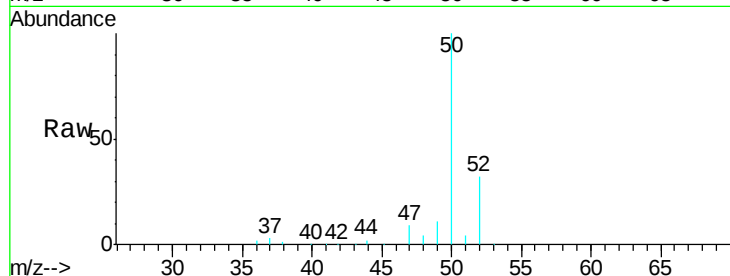
VSTDCCC050

Tgt Ion: 50 Resp: 217214

Ion Ratio Lower Upper

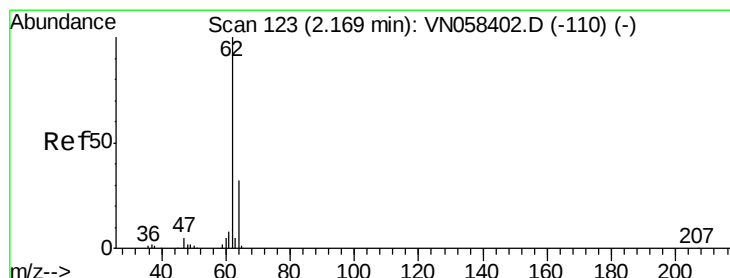
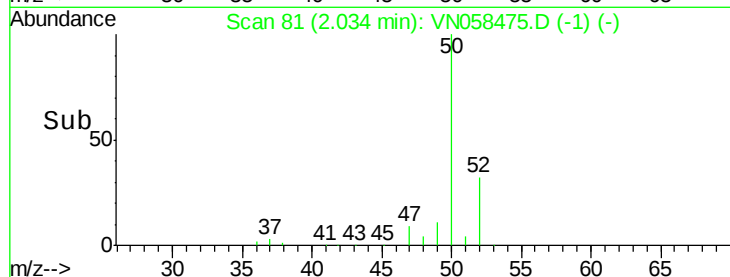
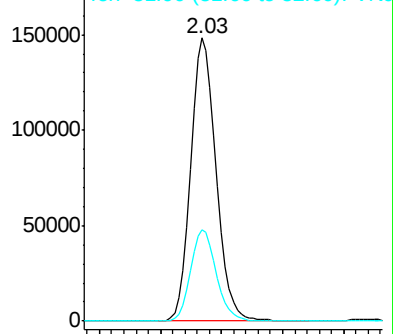
50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 51.833 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058475.D

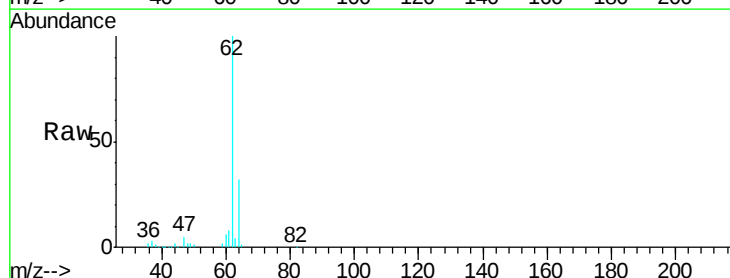
Acq: 2 Oct 2019 15:24

Tgt Ion: 62 Resp: 211831

Ion Ratio Lower Upper

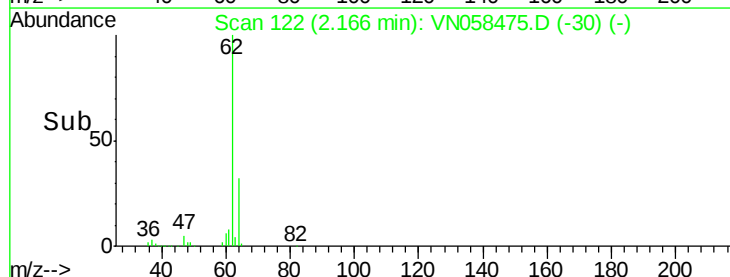
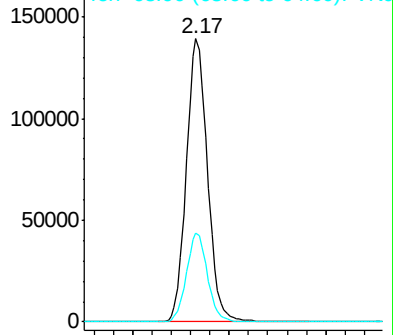
62 100

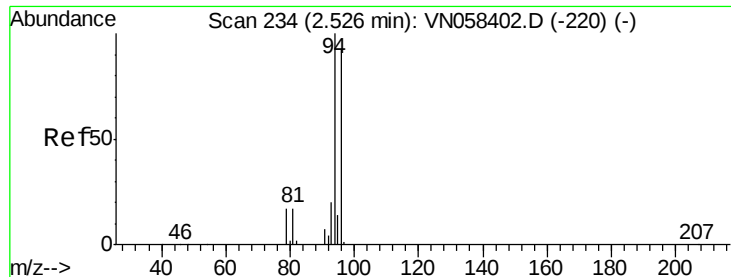
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 52.263 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

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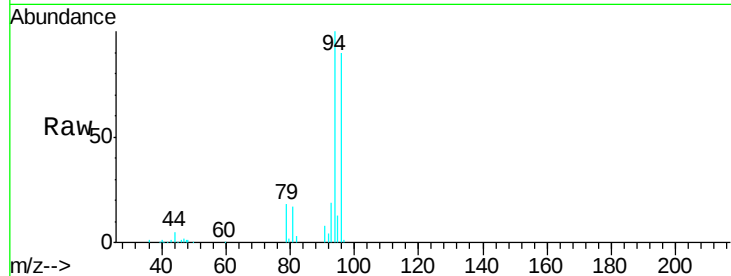
VSTDCCC050

Tgt Ion: 94 Resp: 113449

Ion Ratio Lower Upper

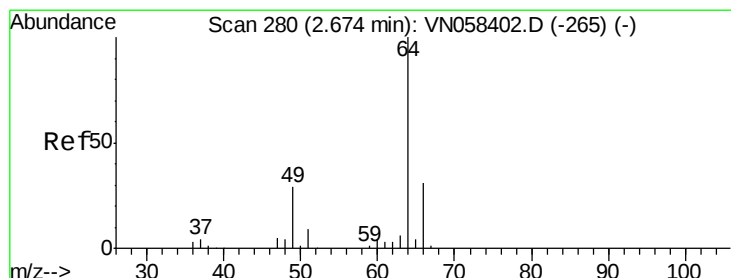
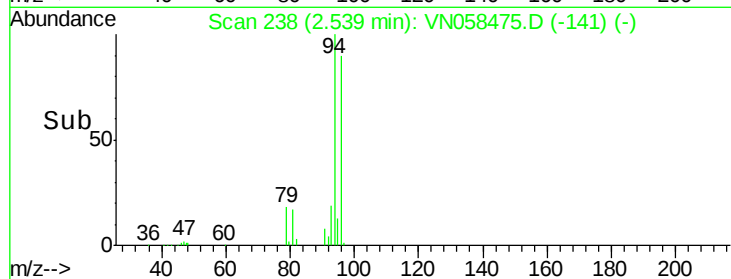
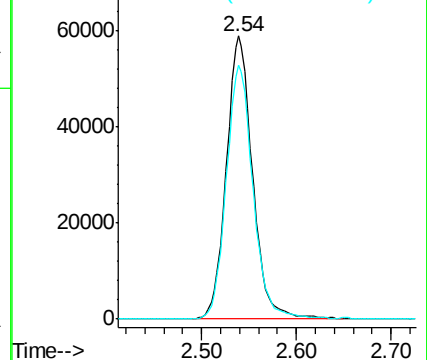
94 100

96 89.7 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.178 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058475.D

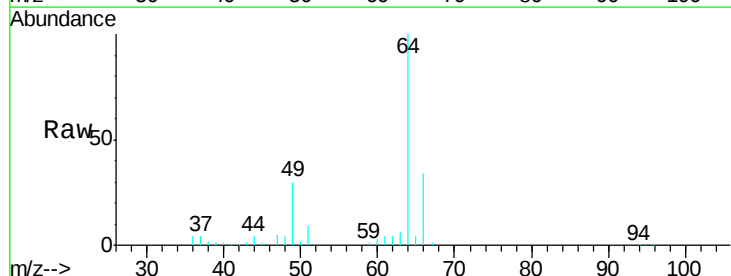
Acq: 2 Oct 2019 15:24

Tgt Ion: 64 Resp: 130218

Ion Ratio Lower Upper

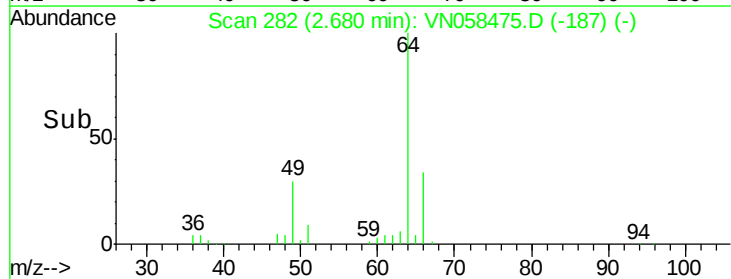
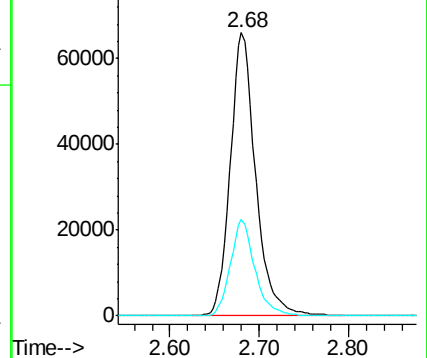
64 100

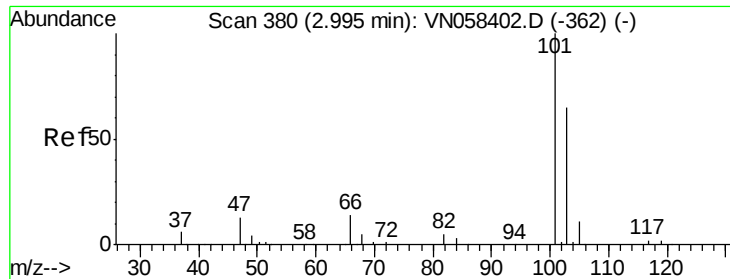
66 33.9 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



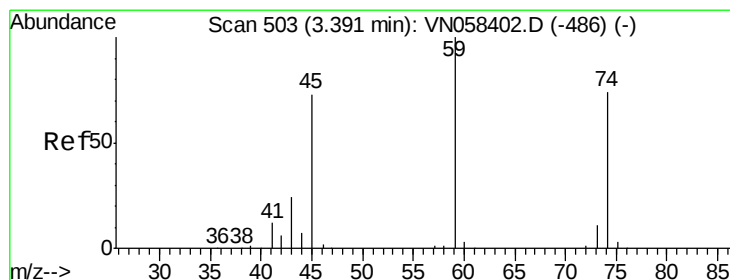
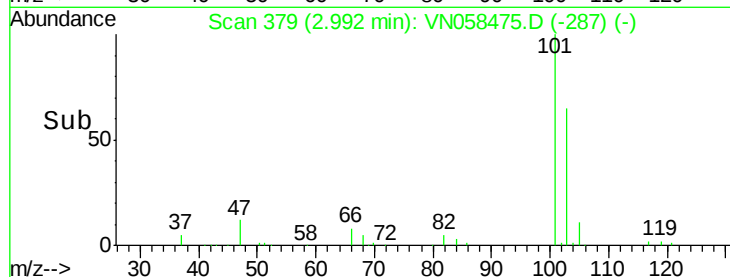
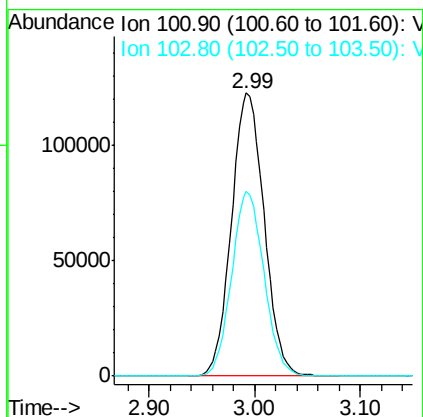
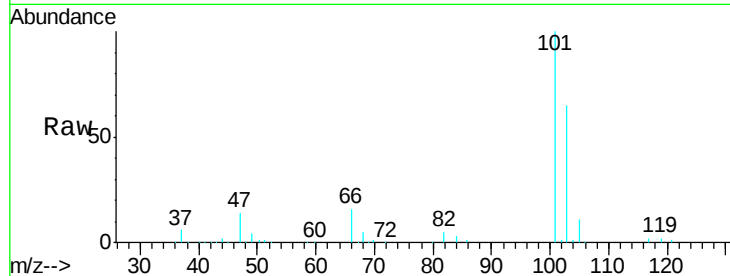


#7

Trichlorofluoromethane
 Concen: 53.513 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
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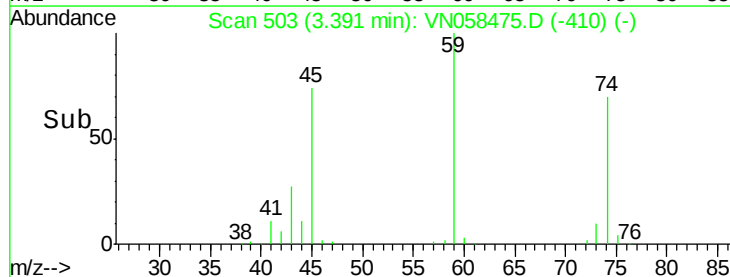
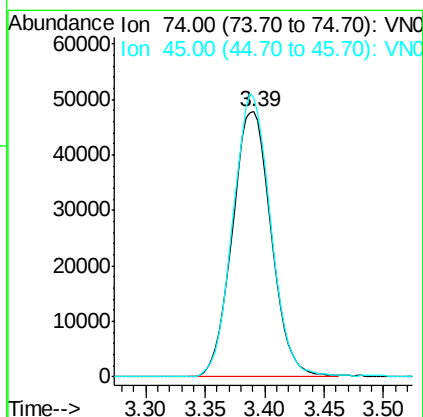
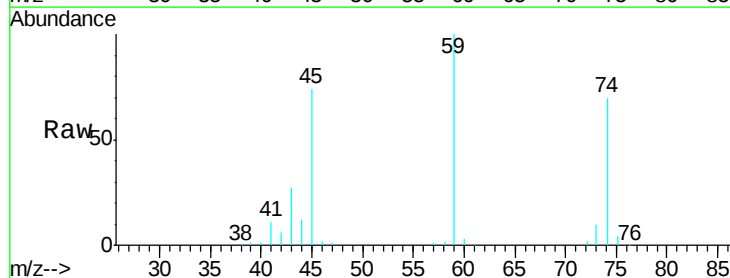
Tgt Ion: 101 Resp: 263914
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.3 78.5

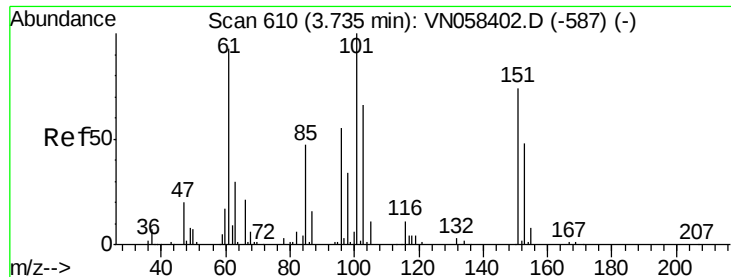


#8

Diethyl Ether
 Concen: 50.965 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion: 74 Resp: 108448
 Ion Ratio Lower Upper
 74 100
 45 103.6 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.538 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

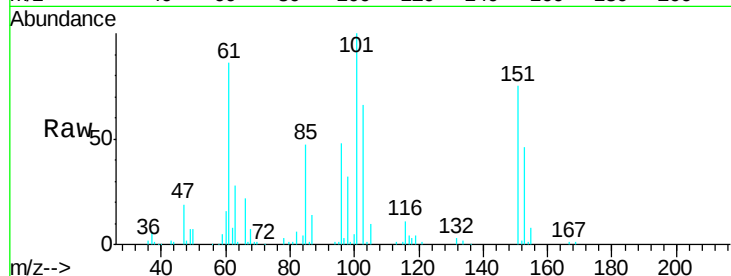
Tgt Ion:101 Resp: 172620

Ion Ratio Lower Upper

101 100

85 47.2 36.7 55.1

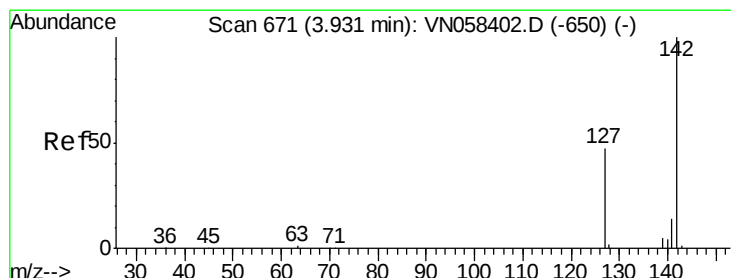
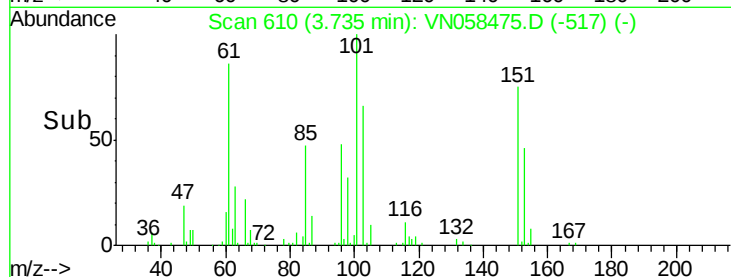
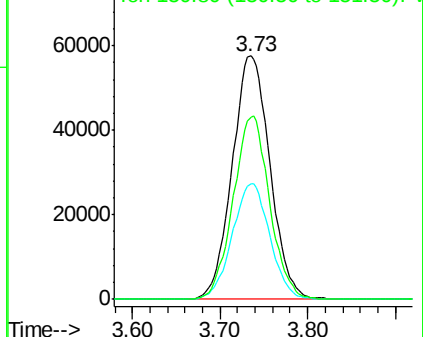
151 72.6 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.006 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

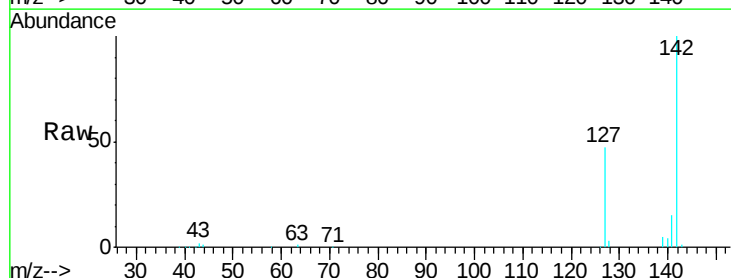
Tgt Ion:142 Resp: 196855

Ion Ratio Lower Upper

142 100

127 46.9 37.2 55.8

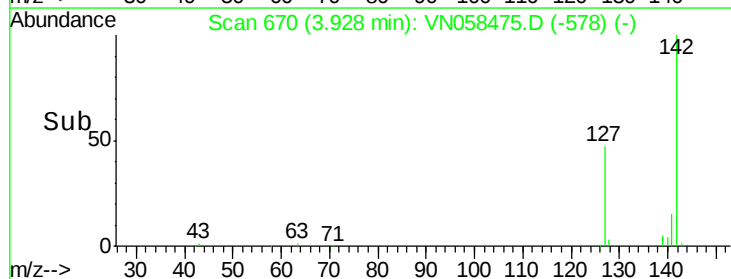
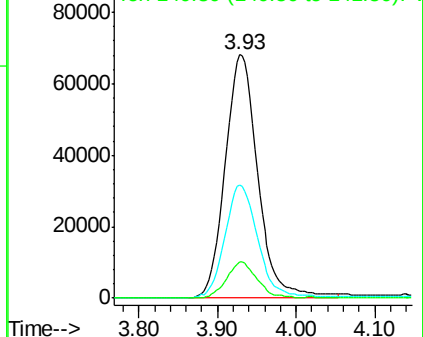
141 13.9 11.3 16.9

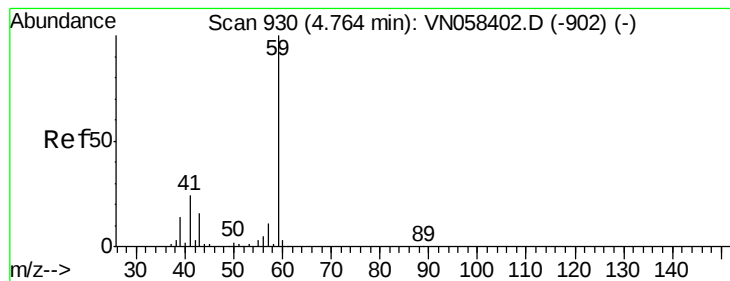


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



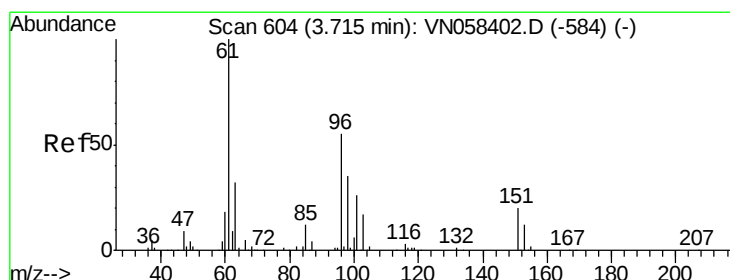
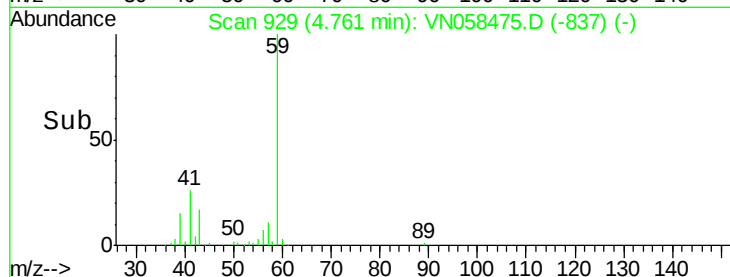
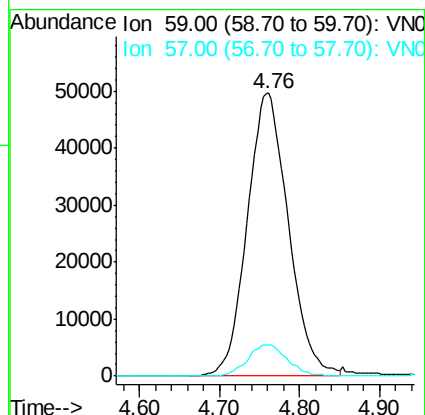
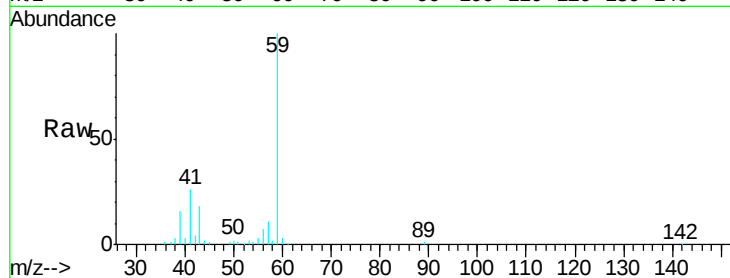


#11

Tert butyl alcohol
 Concen: 310.213 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

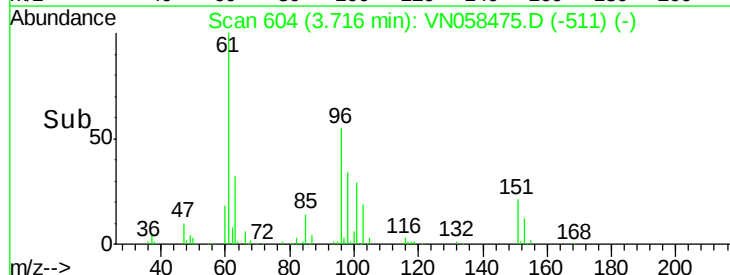
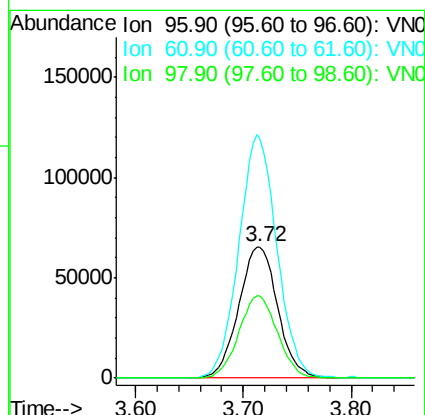
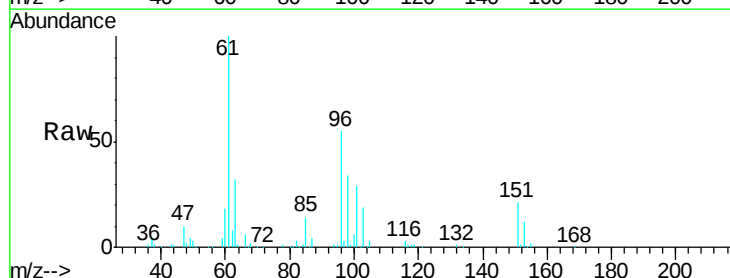
Tgt Ion: 59 Resp: 174287
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.4

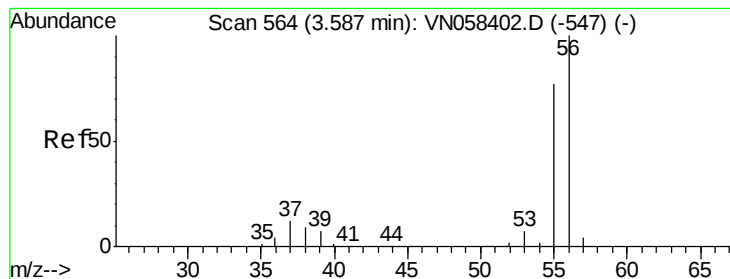


#12

1,1-Dichloroethene
 Concen: 50.375 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion: 96 Resp: 164458
 Ion Ratio Lower Upper
 96 100
 61 182.8 146.7 220.1
 98 62.8 51.3 76.9





#13

Acrolein

Concen: 385.885 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

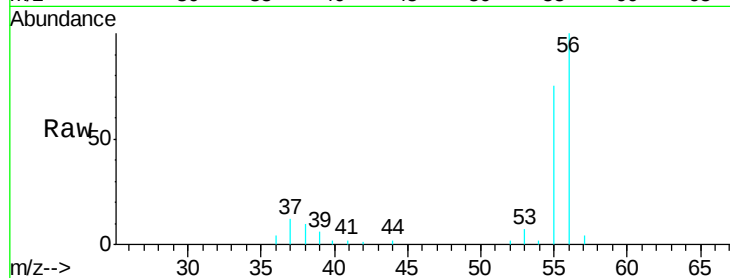
VSTDCCC050

Tgt Ion: 56 Resp: 68956

Ion Ratio Lower Upper

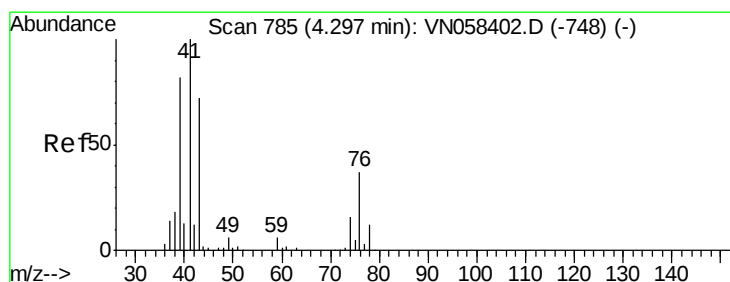
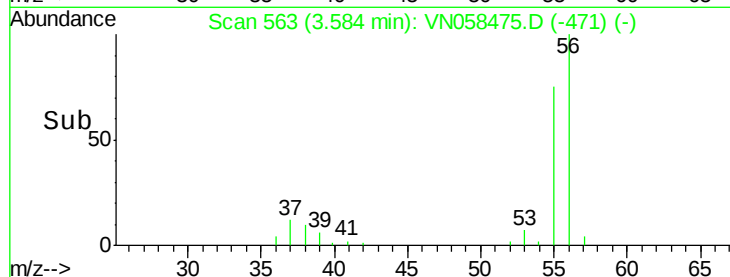
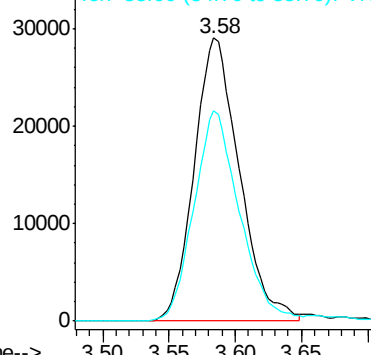
56 100

55 74.8 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.847 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

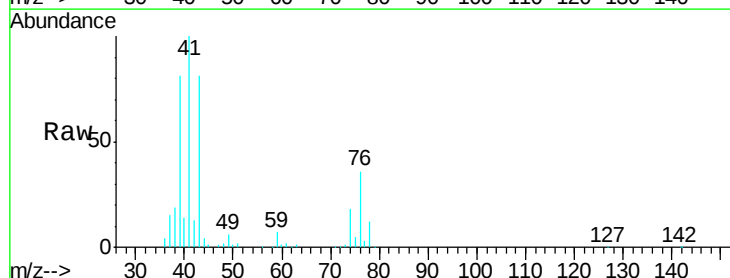
Tgt Ion: 41 Resp: 308035

Ion Ratio Lower Upper

41 100

39 76.6 62.3 93.5

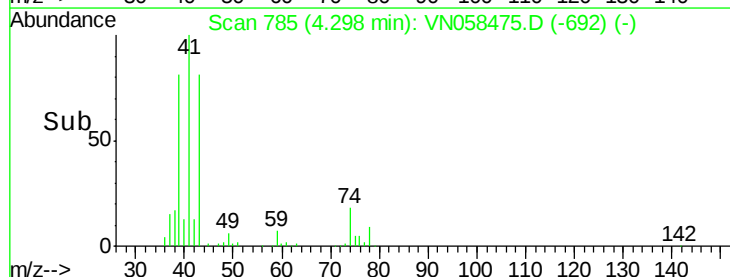
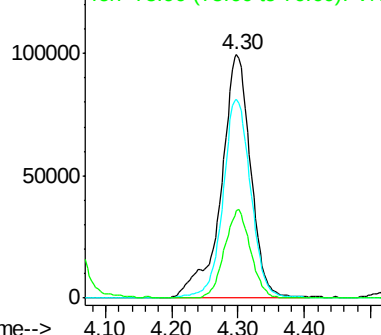
76 32.0 26.9 40.3

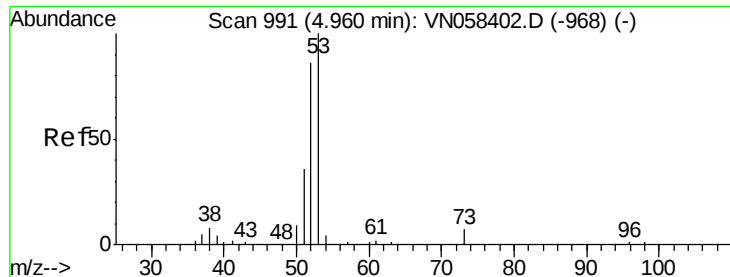


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 297.490 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

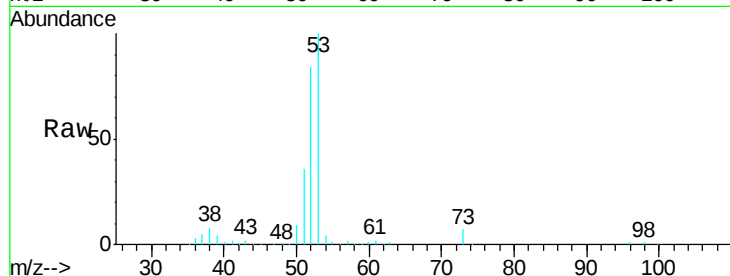
Tgt Ion: 53 Resp: 487117

Ion Ratio Lower Upper

53 100

52 83.3 66.6 100.0

51 37.2 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN058402.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058402.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058402.D (-968) (-)

4.96

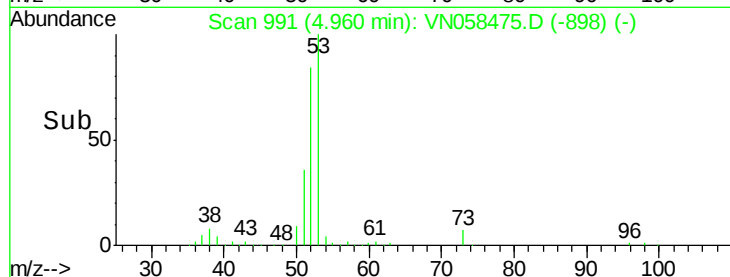
150000

100000

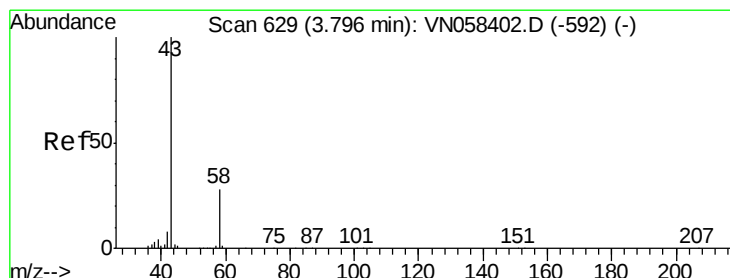
50000

0

Time-->



Time-->



#16

Acetone

Concen: 285.348 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058475.D

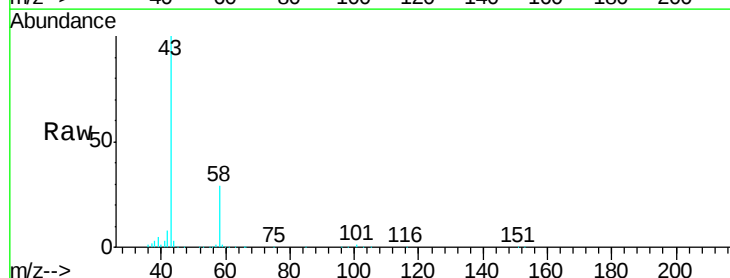
Acq: 2 Oct 2019 15:24

Tgt Ion: 43 Resp: 491940

Ion Ratio Lower Upper

43 100

58 29.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-592) (-)

3.79

200000

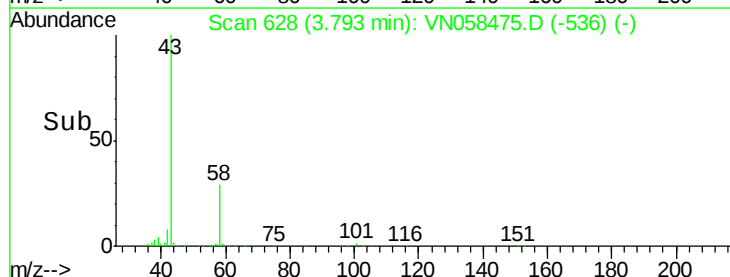
150000

100000

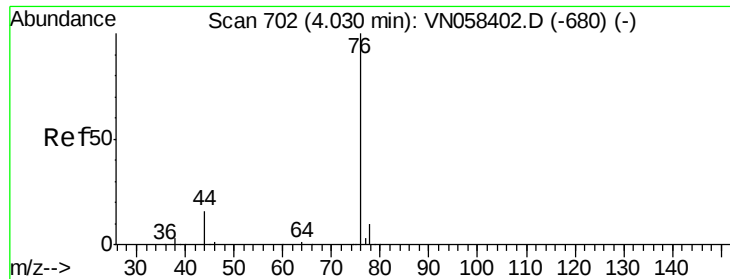
50000

0

Time-->



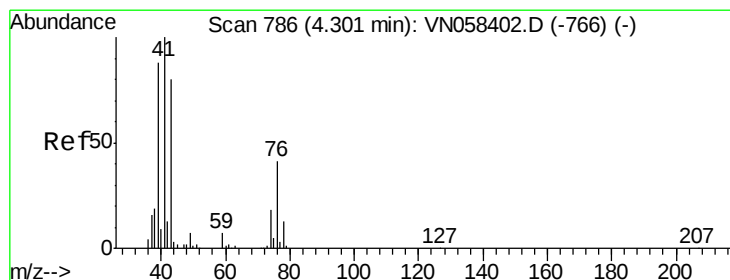
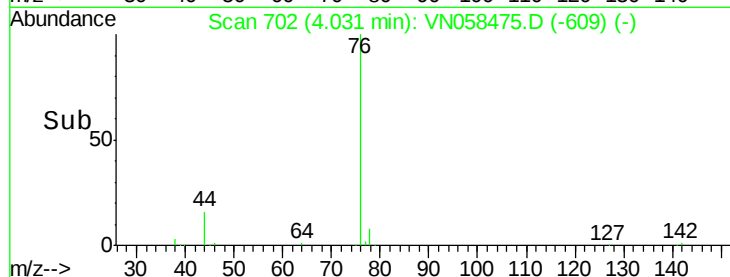
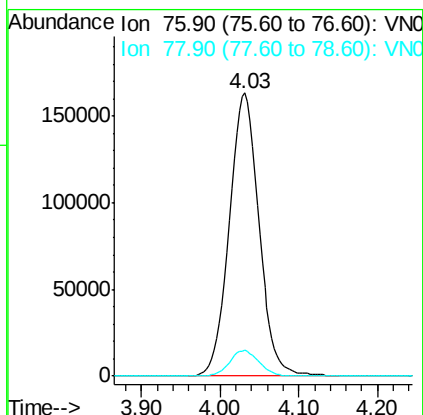
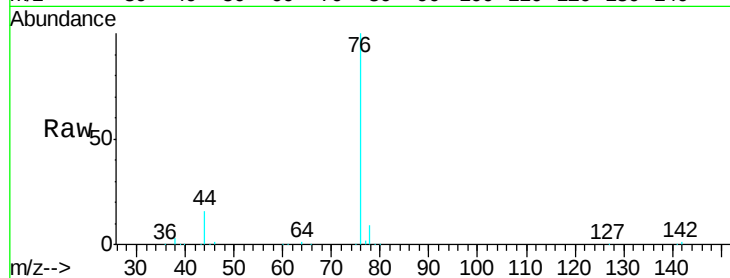
Time-->



#17
Carbon Disulfide
Concen: 49.833 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

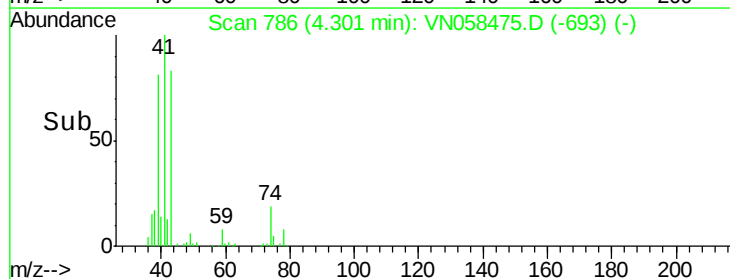
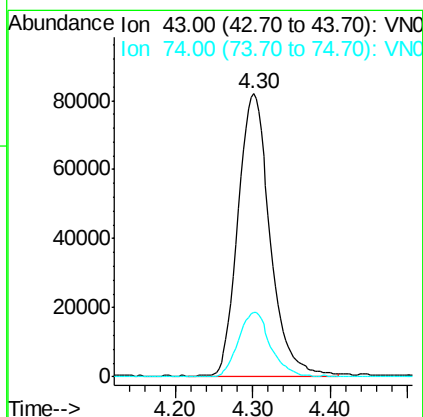
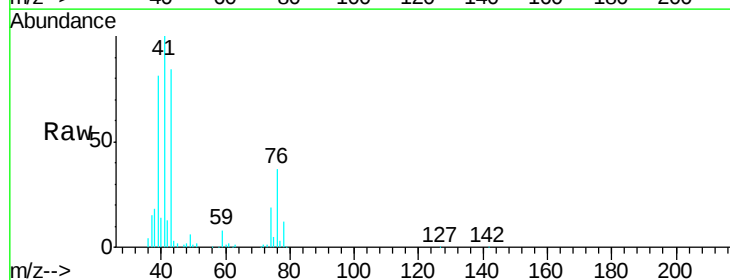
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

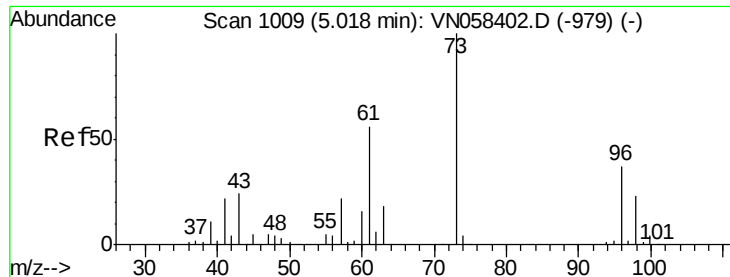
Tgt Ion: 76 Resp: 428852
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5



#18
Methyl Acetate
Concen: 54.113 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 43 Resp: 234639
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0

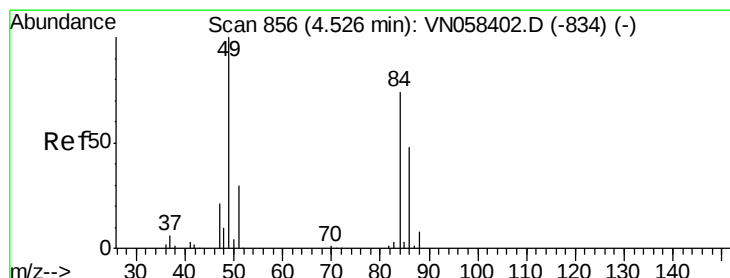
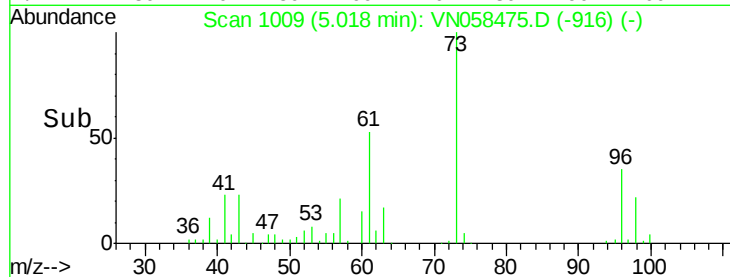
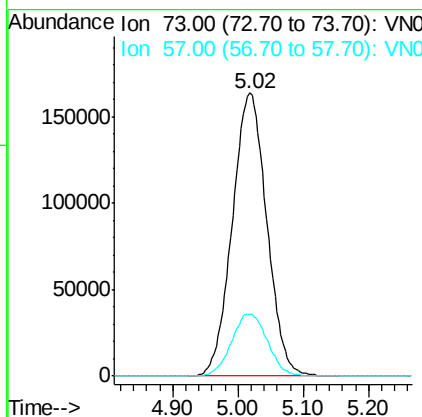
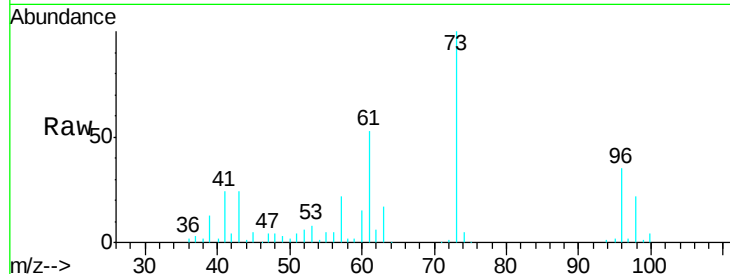




#19
Methyl tert-butyl Ether
Concen: 52.167 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

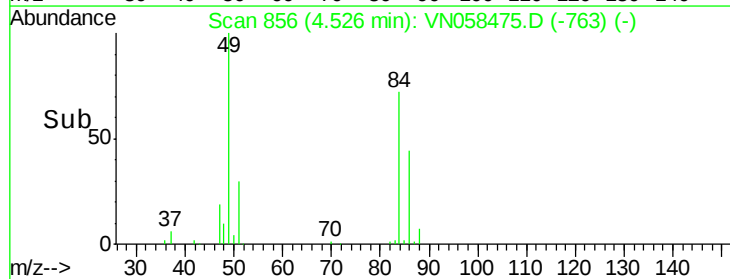
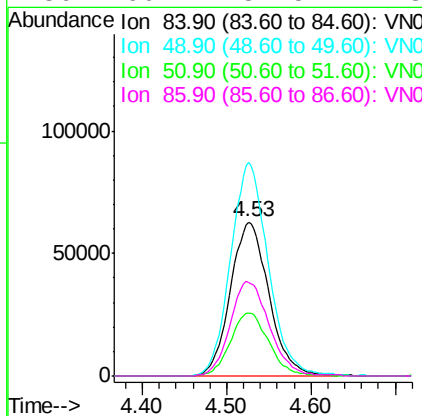
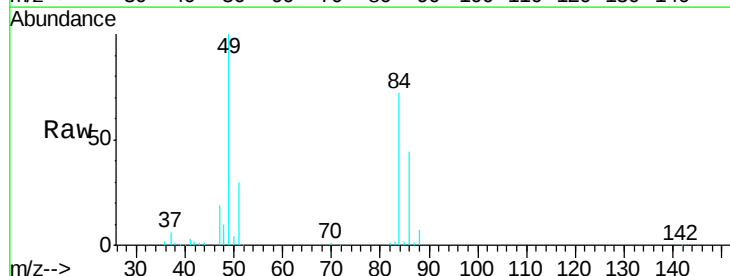
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

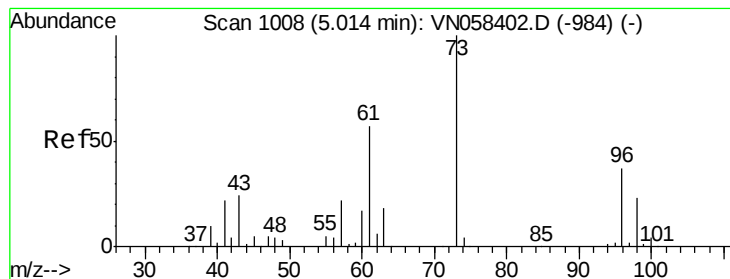
Tgt Ion: 73 Resp: 600914
Ion Ratio Lower Upper
73 100
57 22.1 17.6 26.4



#20
Methylene Chloride
Concen: 50.158 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 84 Resp: 199555
Ion Ratio Lower Upper
84 100
49 138.8 107.9 161.9
51 41.0 32.8 49.2
86 60.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 50.782 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

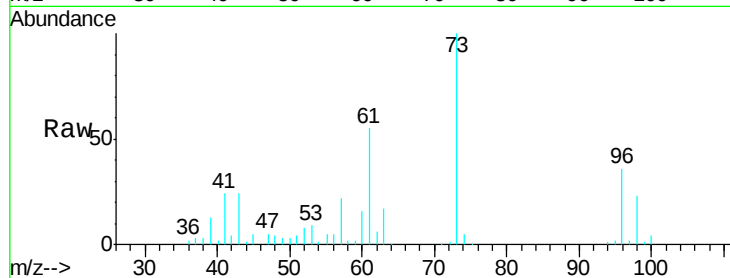
Tgt Ion: 96 Resp: 184361

Ion Ratio Lower Upper

96 100

61 150.1 121.9 182.9

98 63.0 49.3 73.9

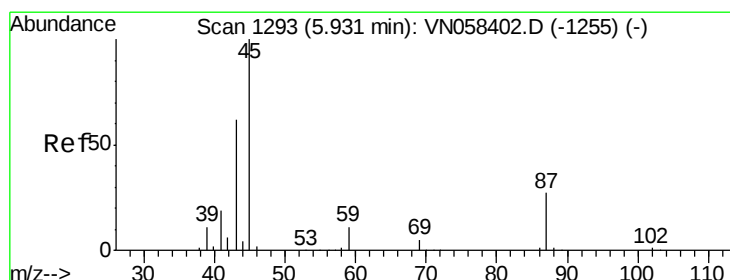
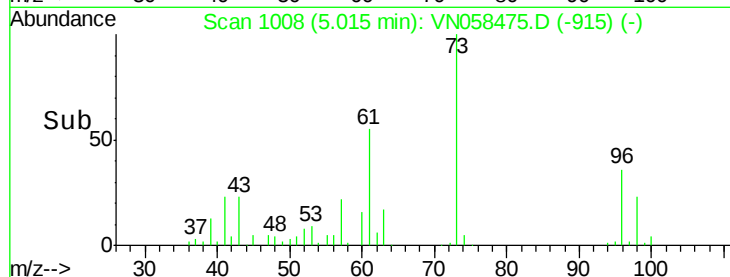
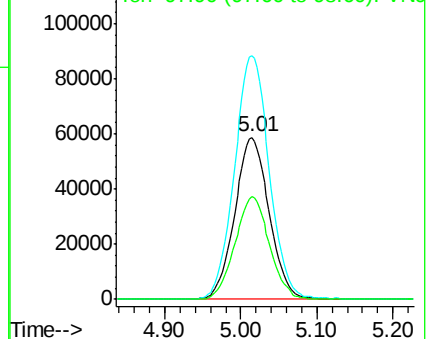


Abundance

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



#22

Diisopropyl ether

Concen: 53.778 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion: 45 Resp: 687556

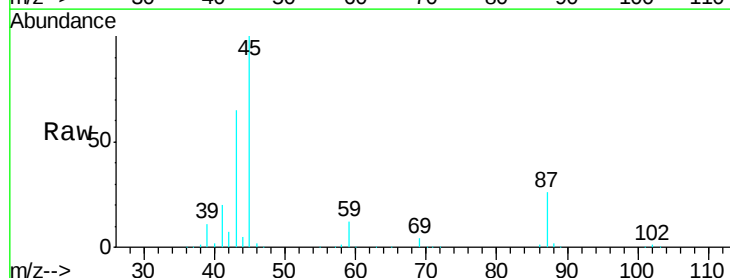
Ion Ratio Lower Upper

45 100

43 63.3 49.7 74.5

87 26.2 21.5 32.3

59 11.3 8.9 13.3



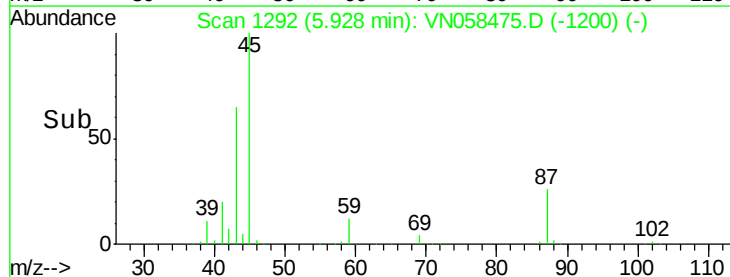
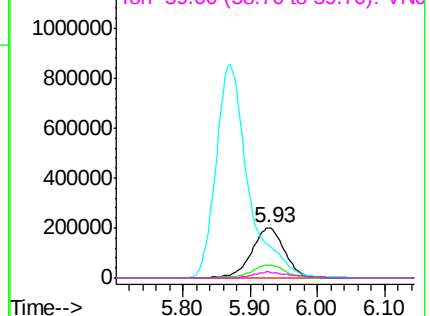
Abundance

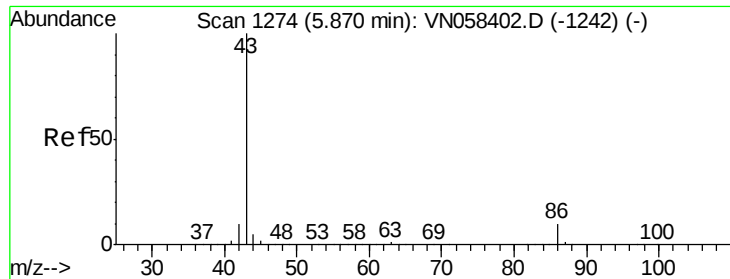
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

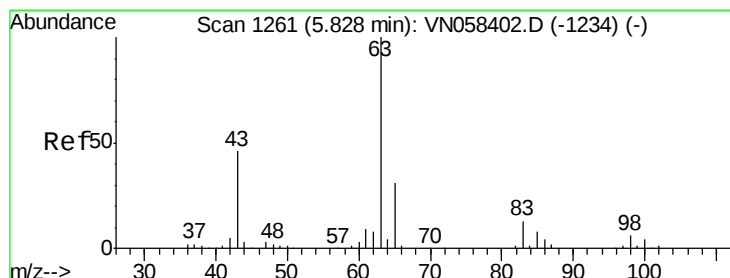
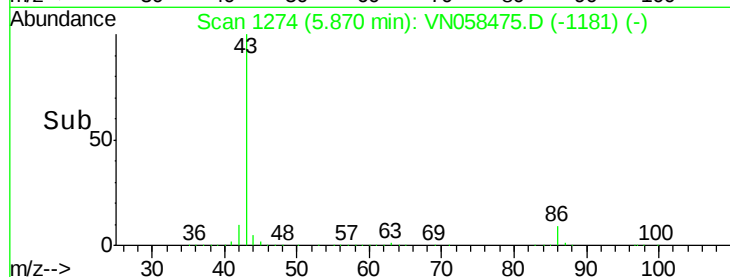
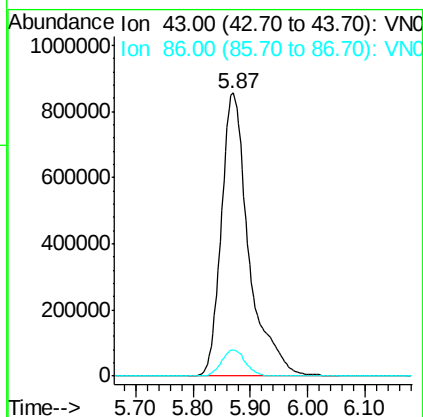
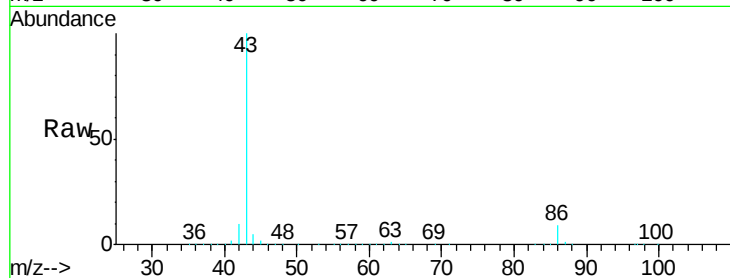




#23
 Vinyl Acetate
 Concen: 296.117 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

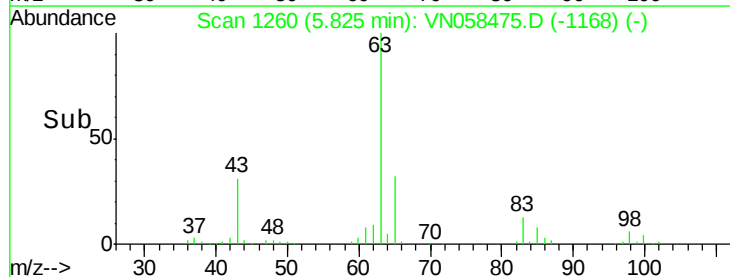
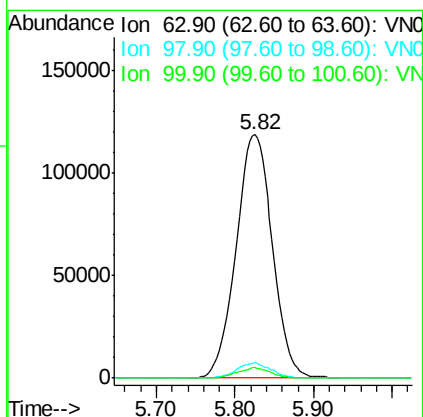
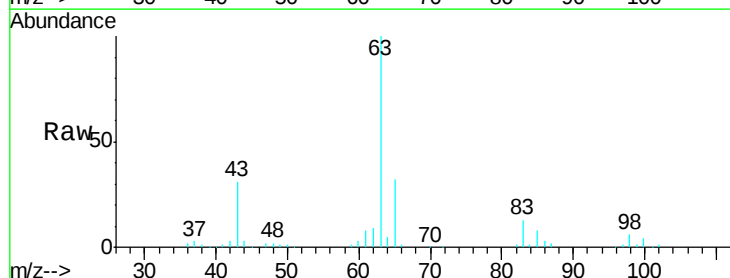
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

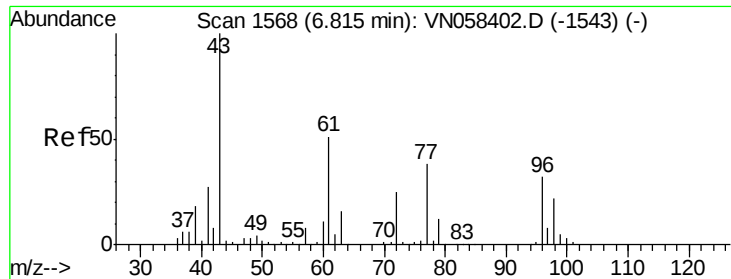
Tgt Ion: 43 Resp: 2854599
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 53.343 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion: 63 Resp: 383821
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.0
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 300.836 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

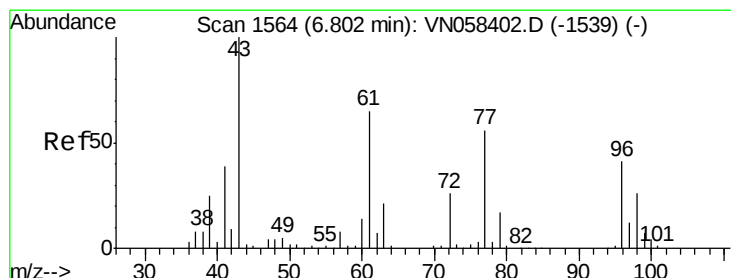
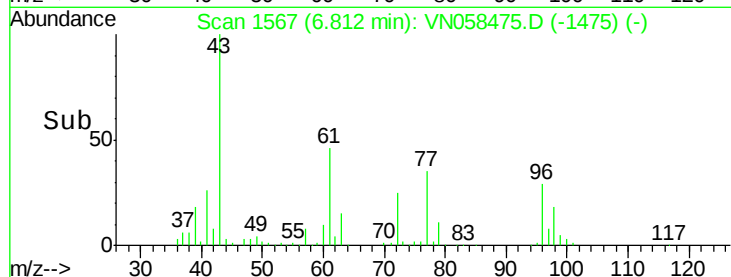
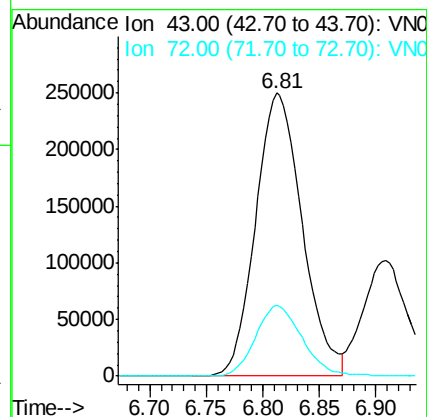
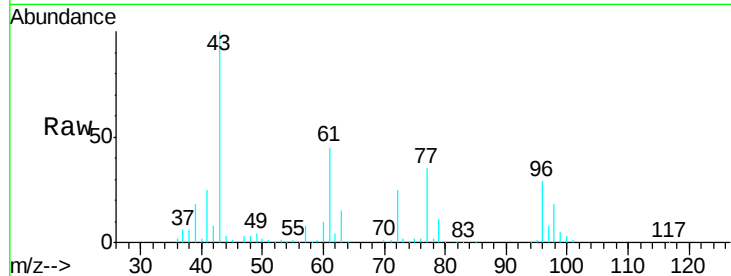
VSTDCCC050

Tgt Ion: 43 Resp: 712078

Ion Ratio Lower Upper

43 100

72 25.0 20.2 30.4



#26

2,2-Dichloropropane

Concen: 51.287 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058475.D

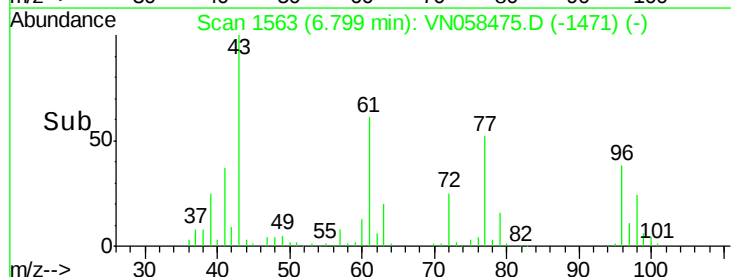
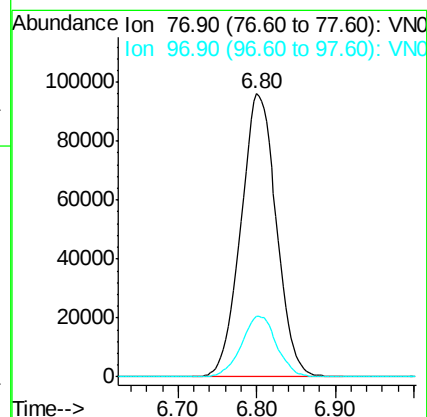
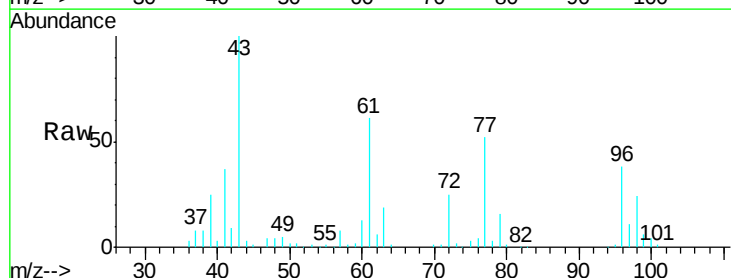
Acq: 2 Oct 2019 15:24

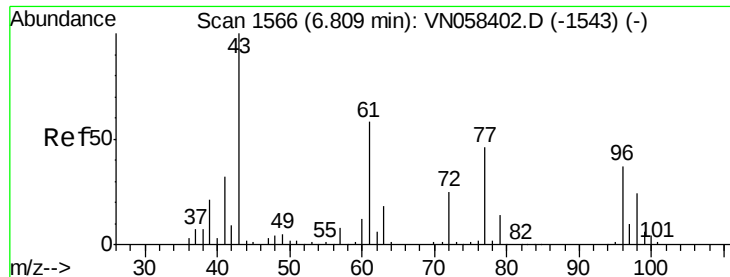
Tgt Ion: 77 Resp: 303386

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 52.080 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

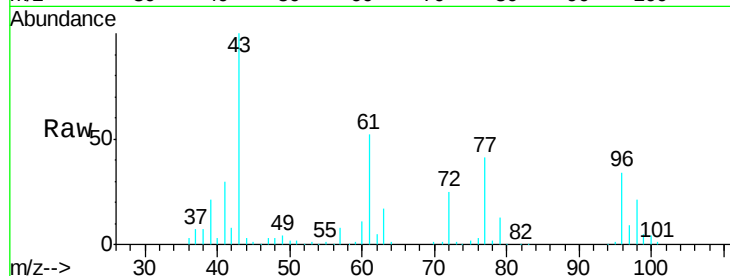
Tgt Ion: 96 Resp: 220982

Ion Ratio Lower Upper

96 100

61 158.0 0.0 318.8

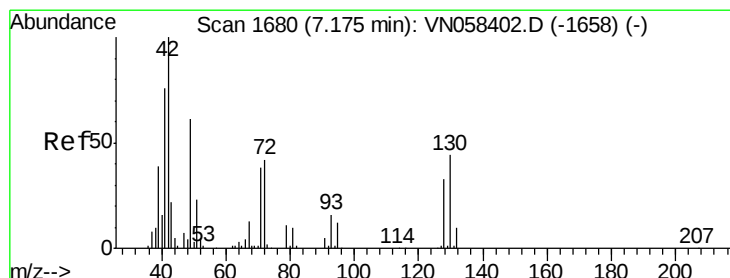
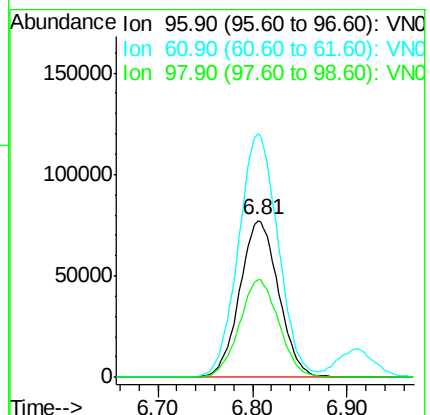
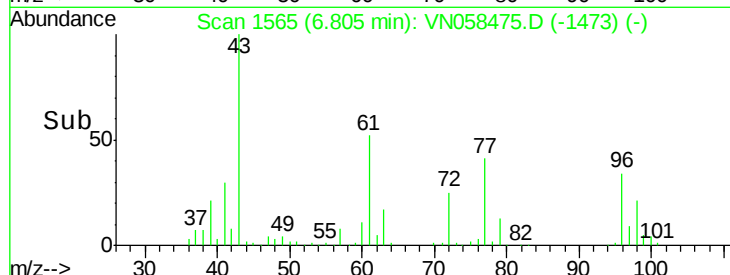
98 63.0 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN058402.D (-1543) (-)

Ion 60.90 (60.60 to 61.60): VN058402.D (-1543) (-)

Ion 97.90 (97.60 to 98.60): VN058402.D (-1543) (-)



#28

Bromochloromethane

Concen: 54.903 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

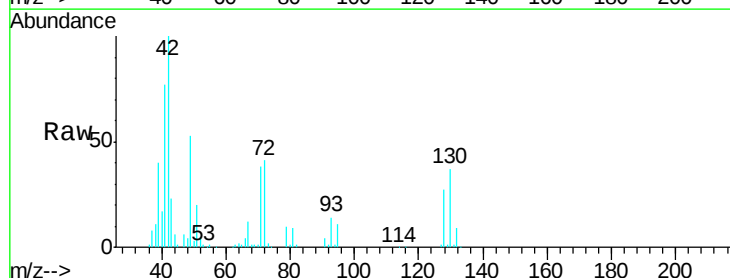
Tgt Ion: 49 Resp: 157913

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

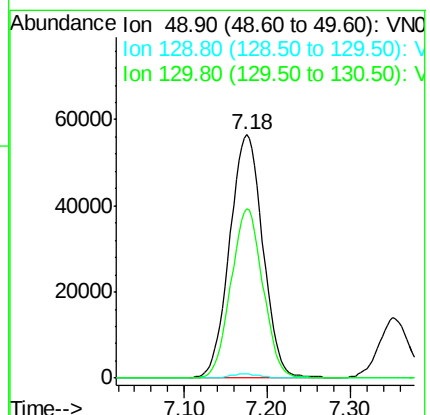
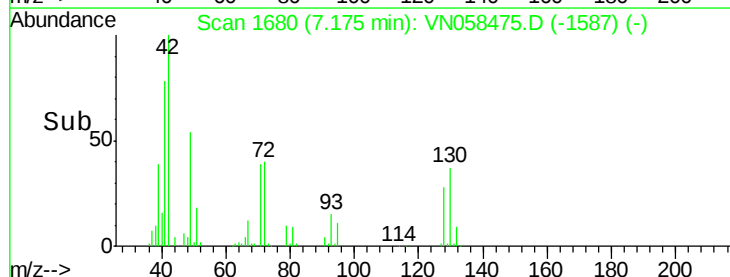
130 66.9 56.3 84.5

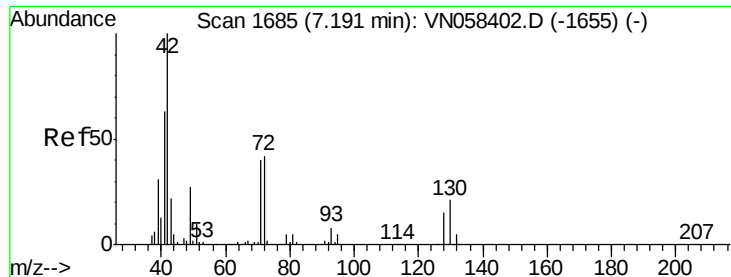


Abundance Ion 48.90 (48.60 to 49.60): VN058402.D (-1658) (-)

Ion 128.80 (128.50 to 129.50): VN058402.D (-1658) (-)

Ion 129.80 (129.50 to 130.50): VN058402.D (-1658) (-)

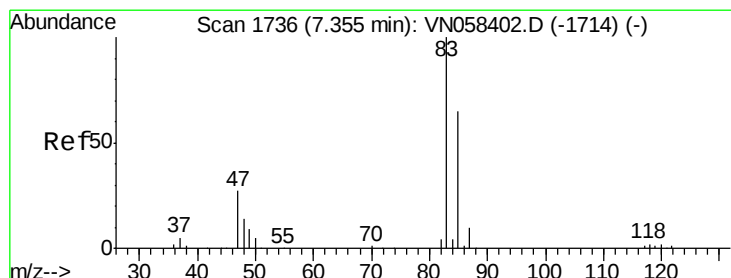
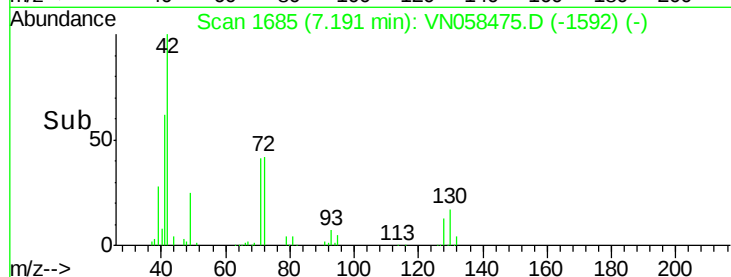
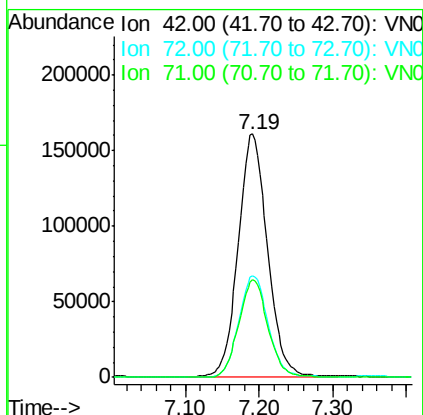
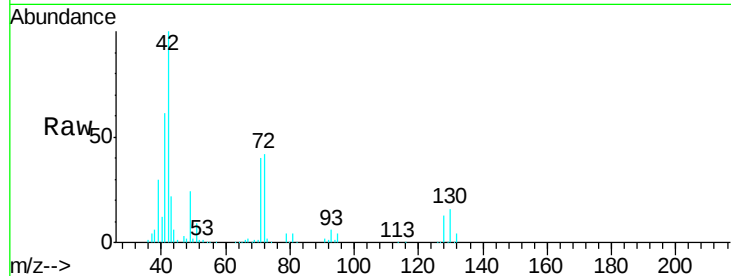




#29
Tetrahydrofuran
Concen: 297.322 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

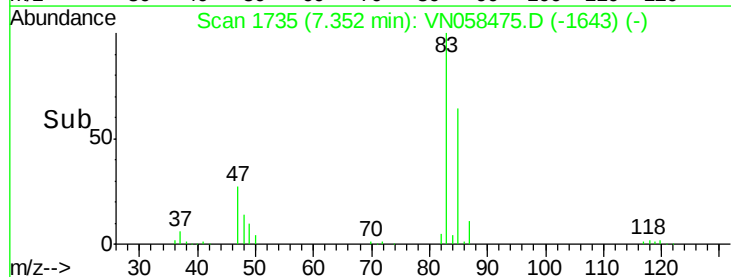
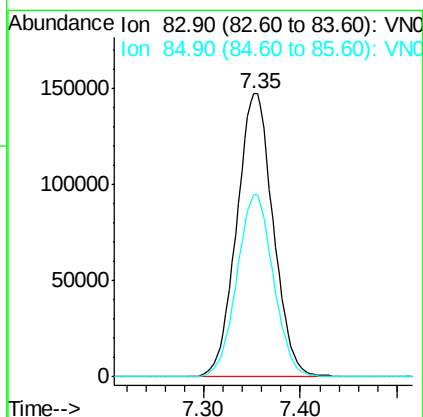
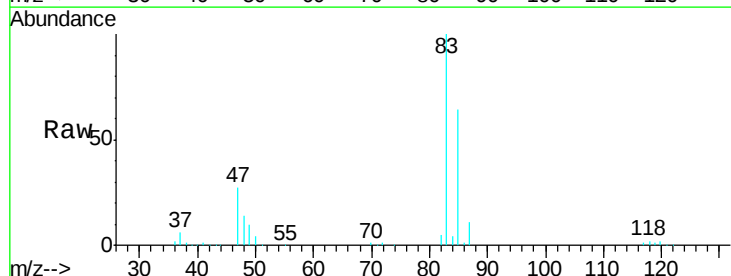
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

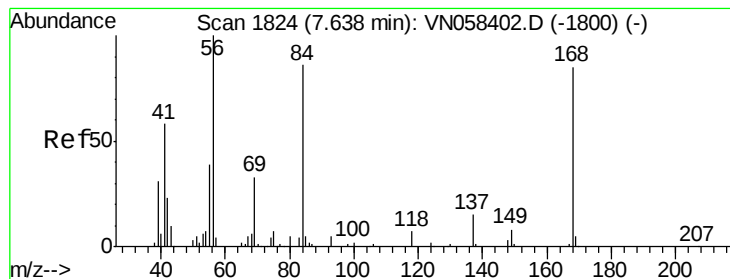
Tgt Ion: 42 Resp: 446670
Ion Ratio Lower Upper
42 100
72 41.9 33.7 50.5
71 40.0 31.8 47.6



#30
Chloroform
Concen: 53.050 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 83 Resp: 386804
Ion Ratio Lower Upper
83 100
85 64.4 52.0 78.0





#31

Cyclohexane

Concen: 48.945 ug/l

RT: 7.64 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

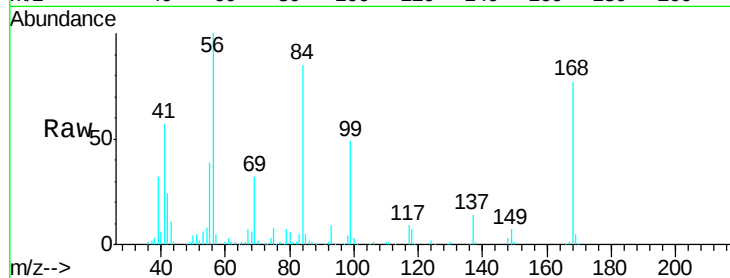
Tgt Ion: 56 Resp: 342570

Ion Ratio Lower Upper

56 100

69 32.3 26.2 39.4

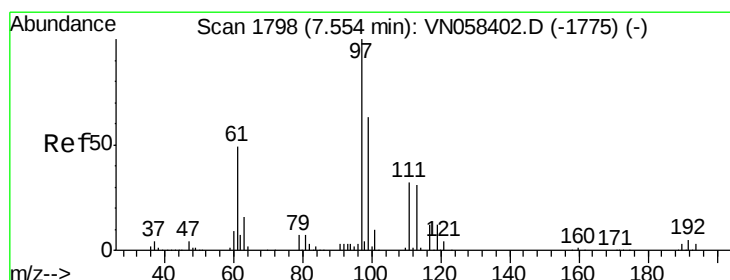
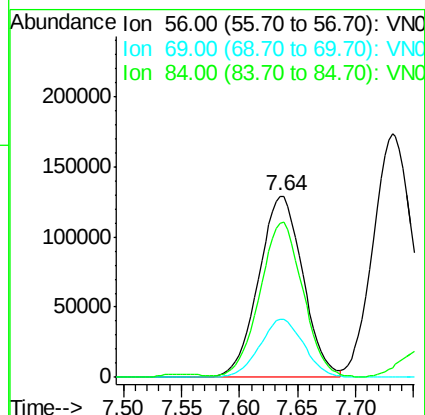
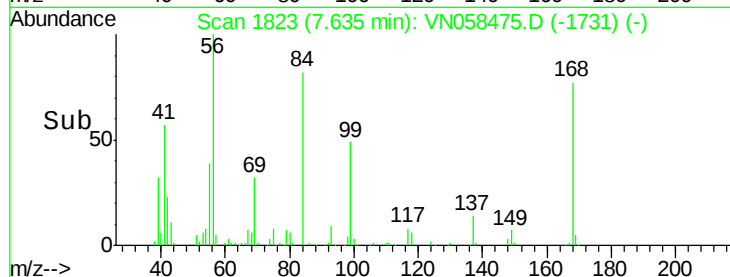
84 83.5 67.6 101.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 54.055 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

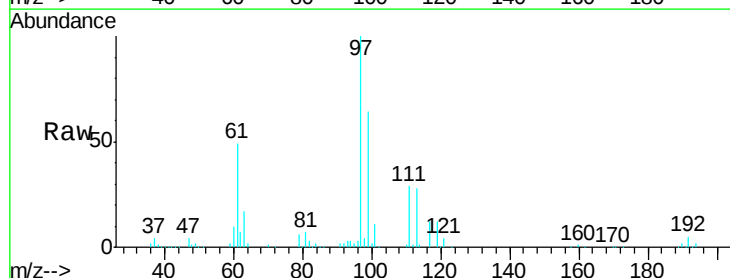
Tgt Ion: 97 Resp: 323656

Ion Ratio Lower Upper

97 100

99 62.9 51.1 76.7

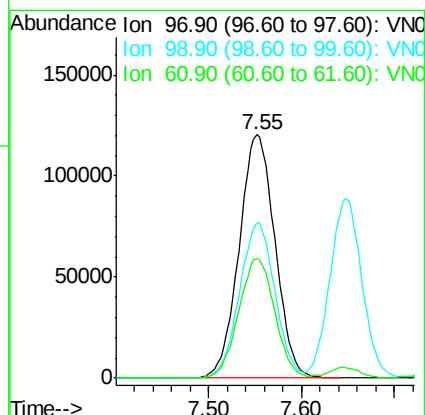
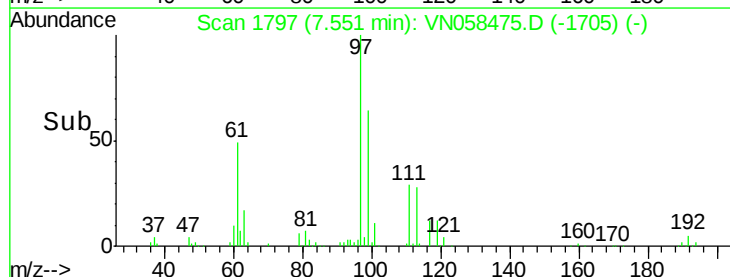
61 49.3 39.2 58.8

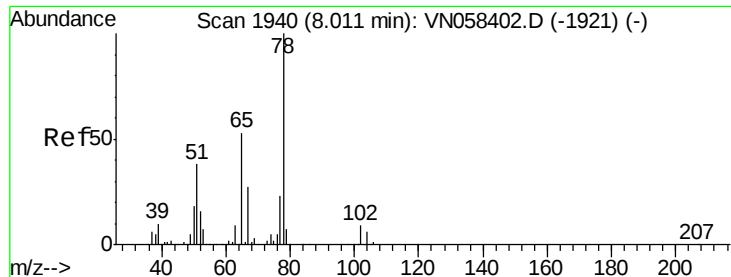


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.078 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

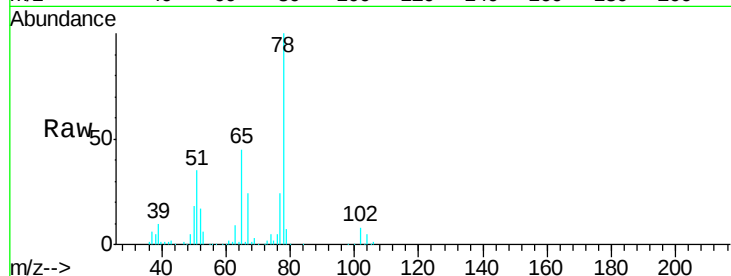
VSTDCCC050

Tgt Ion: 65 Resp: 258318

Ion Ratio Lower Upper

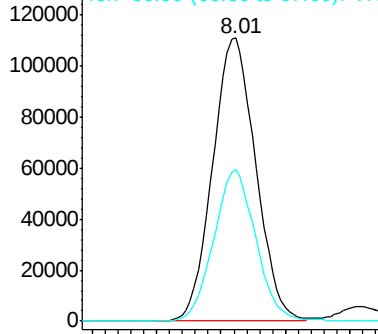
65 100

67 52.3 0.0 102.4

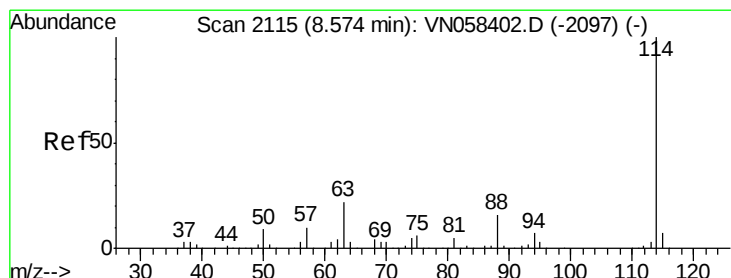
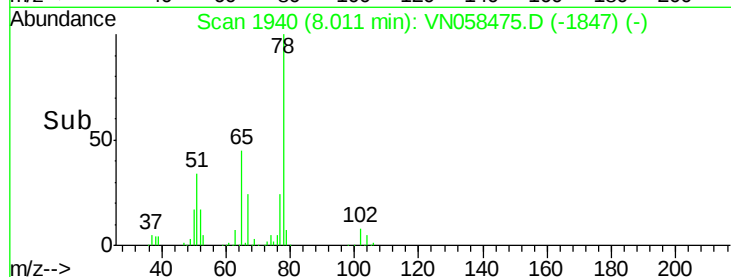


Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

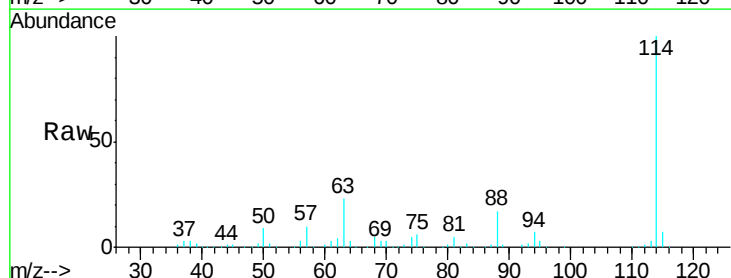
Tgt Ion: 114 Resp: 579114

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

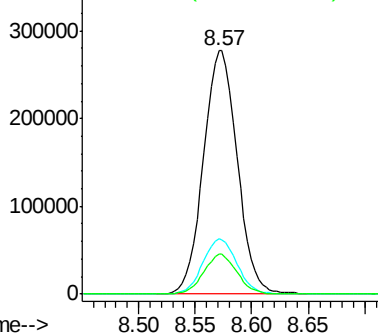
88 16.5 0.0 32.2



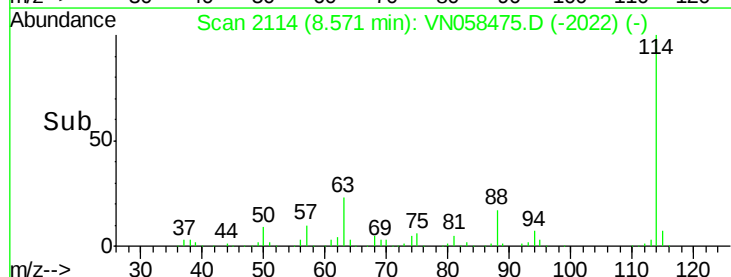
Abundance Ion 113.90 (113.60 to 114.60): V

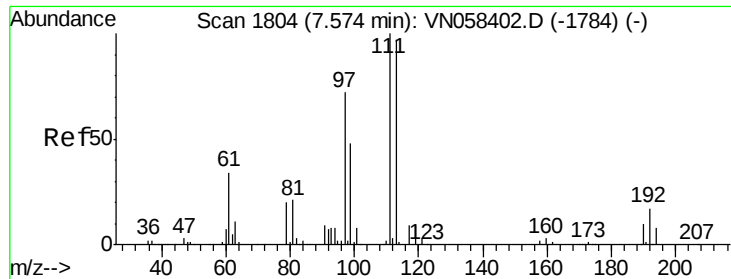
Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



Time--> 8.50 8.55 8.60 8.65

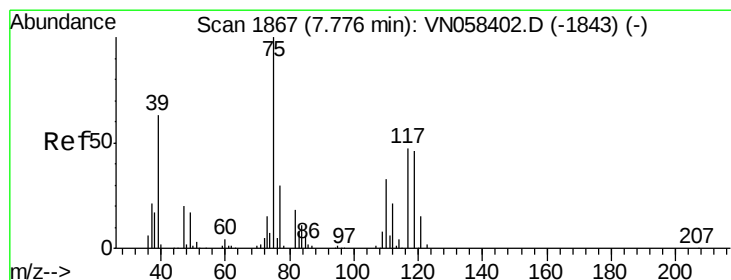
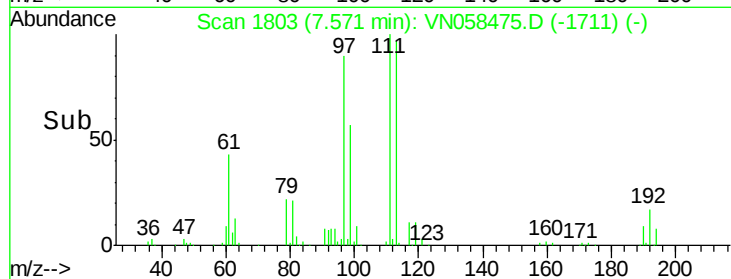
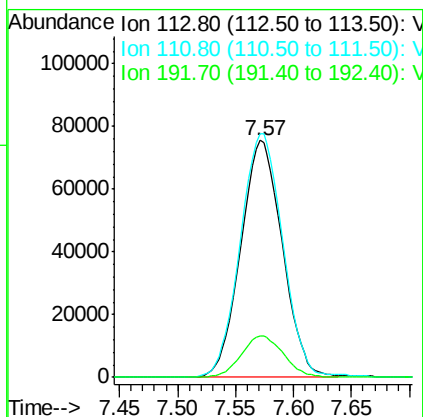
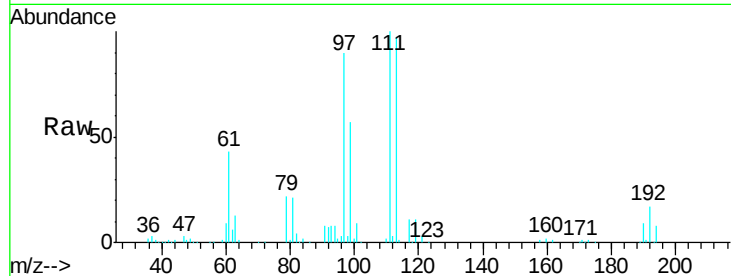




#35
 Dibromofluoromethane
 Concen: 53.181 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

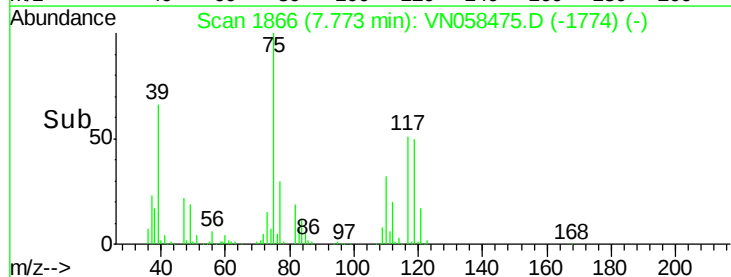
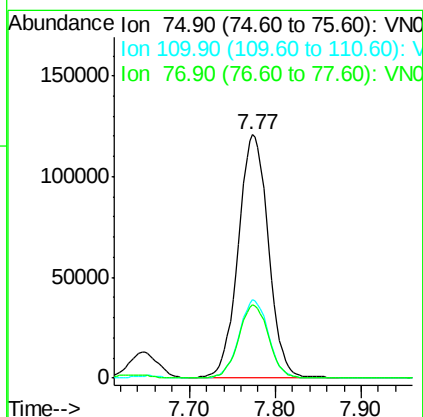
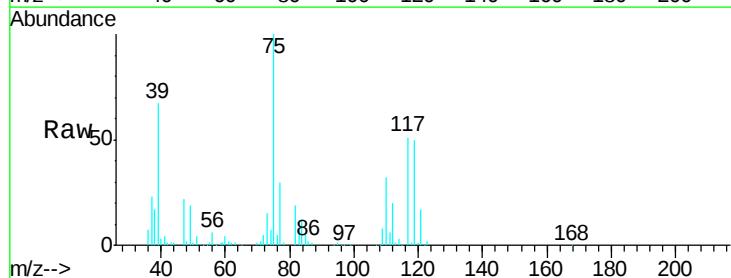
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

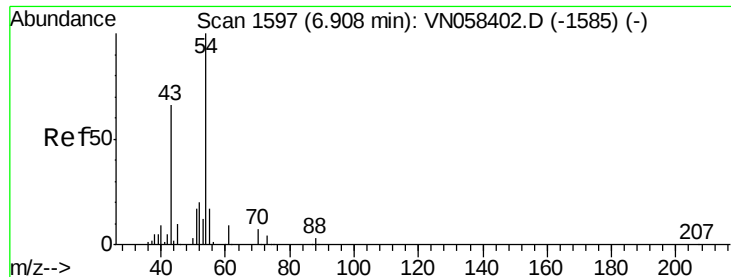
Tgt Ion: 113 Resp: 188756
 Ion Ratio Lower Upper
 113 100
 111 105.3 83.4 125.2
 192 17.7 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 52.778 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion: 75 Resp: 292257
 Ion Ratio Lower Upper
 75 100
 110 31.7 16.4 49.2
 77 30.2 24.3 36.5

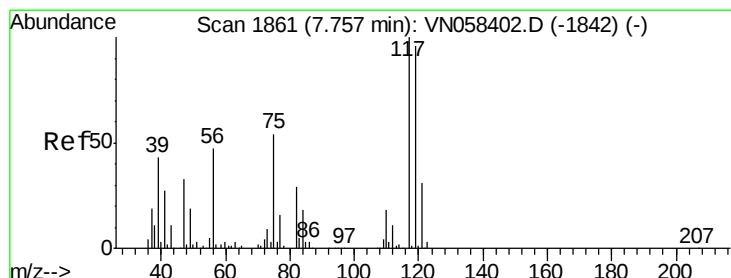
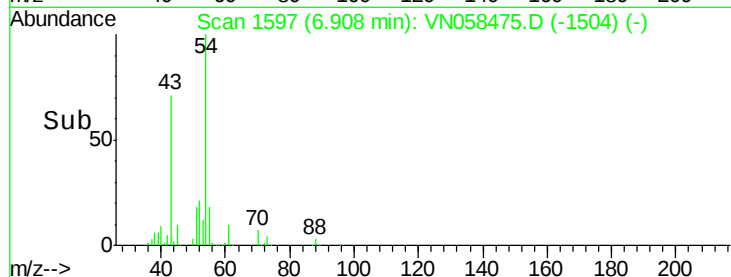
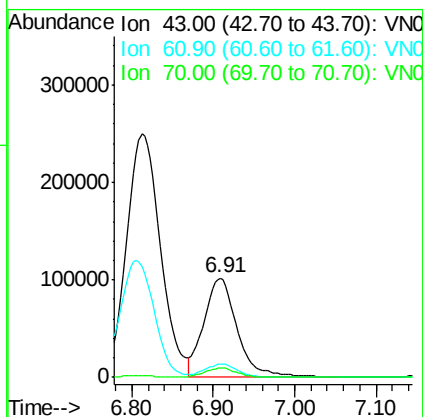
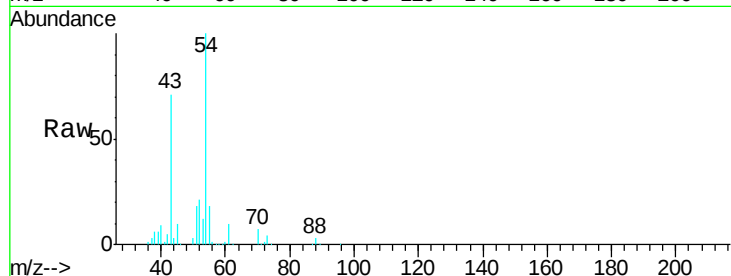




#37
Ethyl Acetate
Concen: 60.928 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

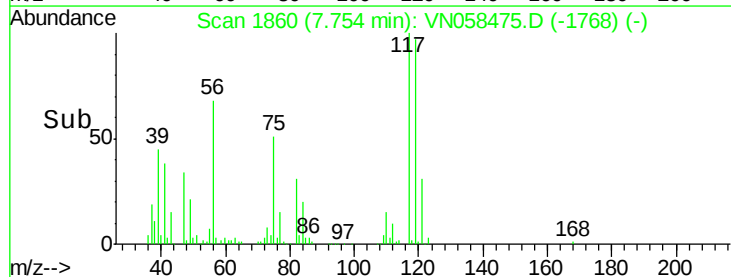
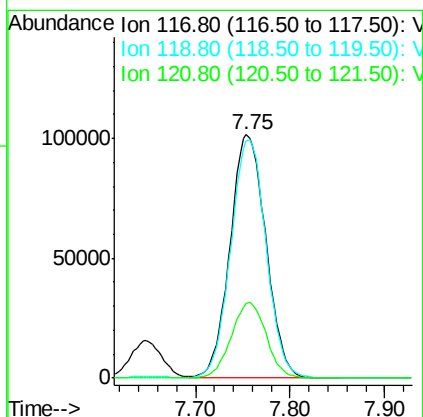
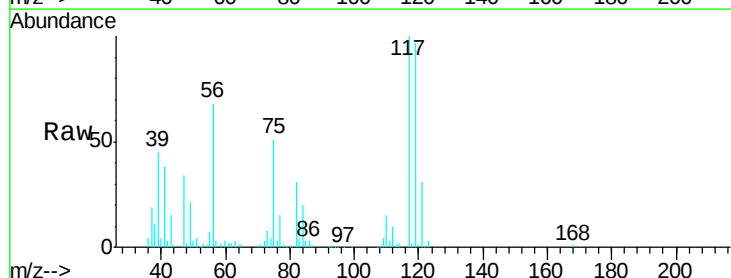
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

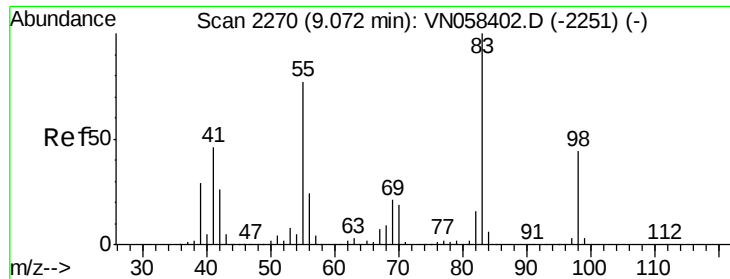
Tgt Ion: 43 Resp: 286049
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 53.638 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 117 Resp: 268102
Ion Ratio Lower Upper
117 100
119 97.3 76.6 115.0
121 30.6 24.7 37.1

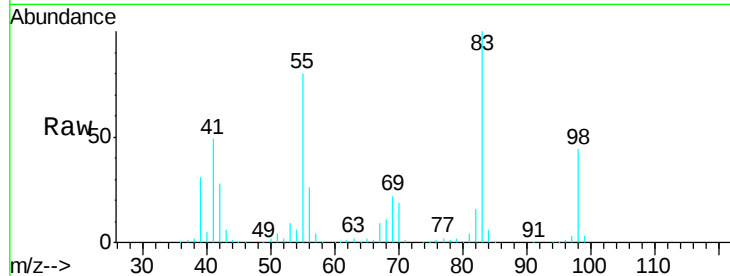




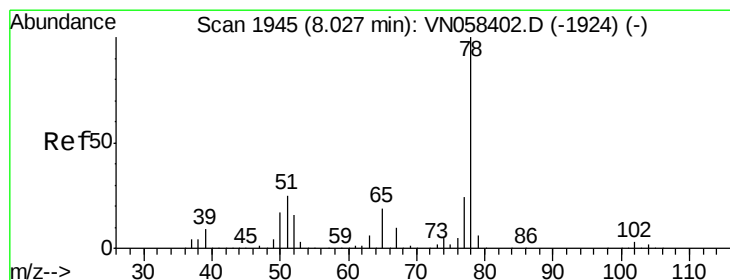
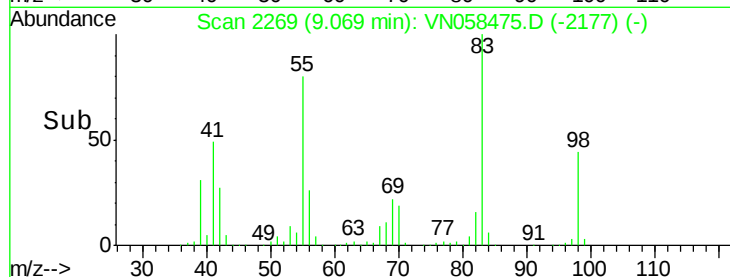
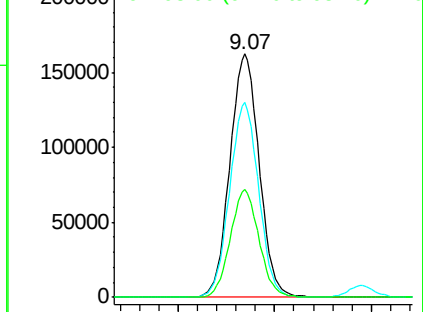
#39
Methylcyclohexane
Concen: 52.789 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 341364
Ion Ratio Lower Upper
83 100
55 80.0 61.8 92.6
98 44.4 35.4 53.0

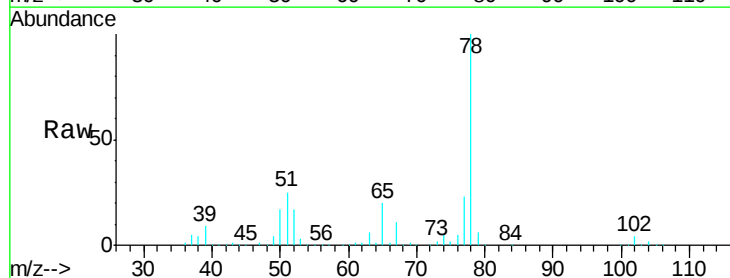


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

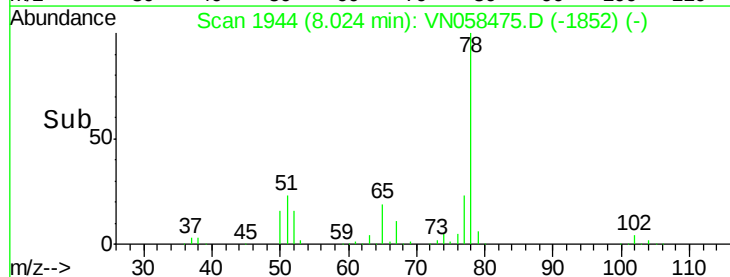
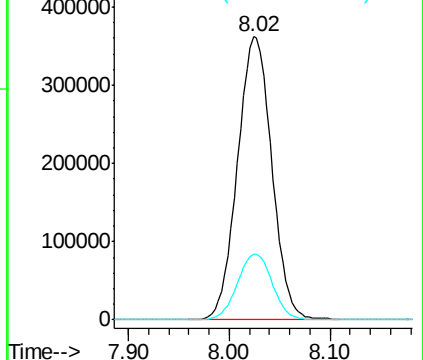


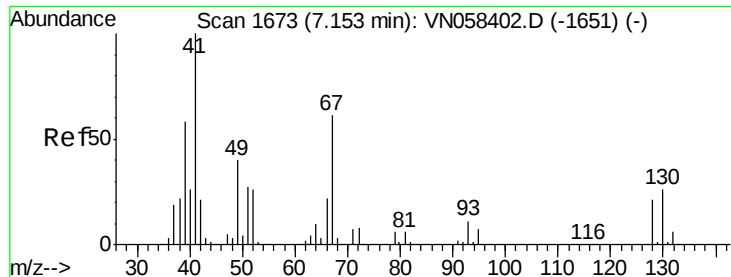
#40
Benzene
Concen: 53.631 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 78 Resp: 853654
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3



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

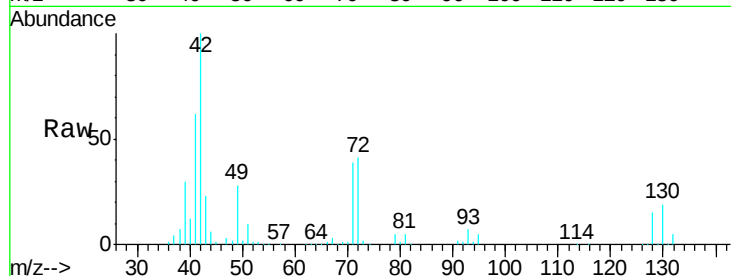




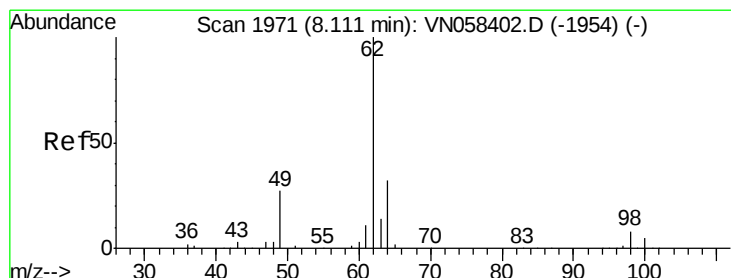
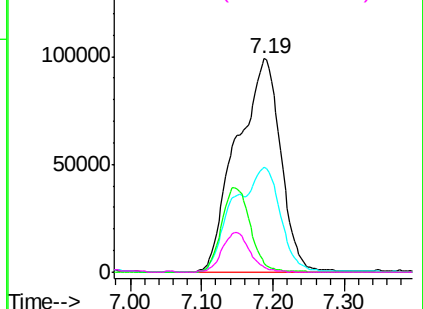
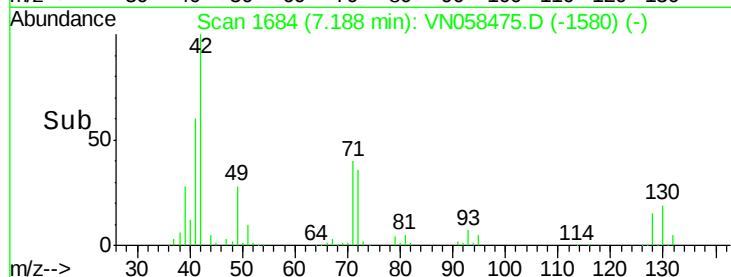
#41
Methacrylonitrile
Concen: 196.577 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.04 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 424576
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.4#
67 0.0 70.2 105.4#
52 0.0 31.4 47.0#

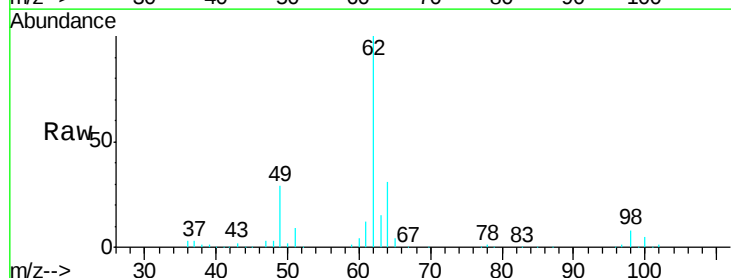


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

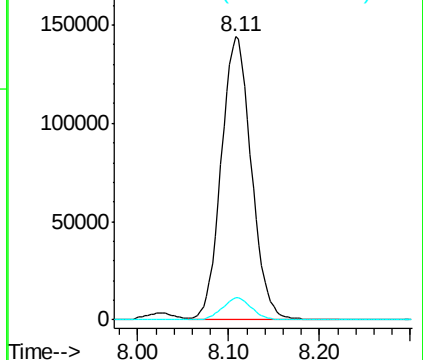
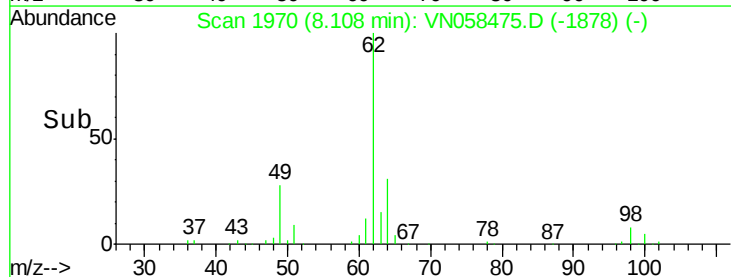


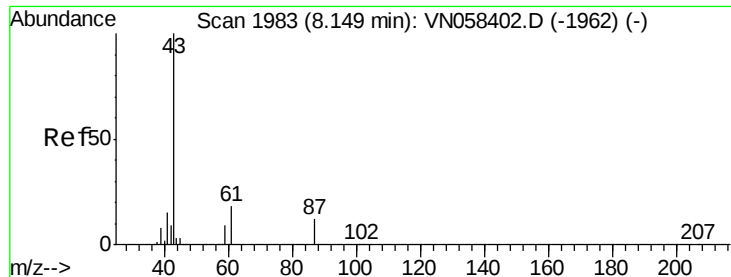
#42
1,2-Dichloroethane
Concen: 53.342 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 62 Resp: 330330
Ion Ratio Lower Upper
62 100
98 7.6 0.0 15.6



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





#43

Isopropyl Acetate

Concen: 53.273 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

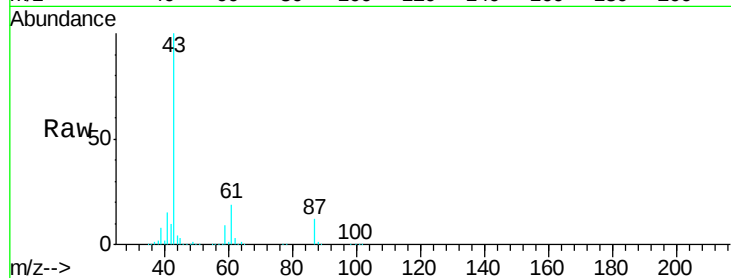
Tgt Ion: 43 Resp: 470318

Ion Ratio Lower Upper

43 100

61 18.5 14.8 22.2

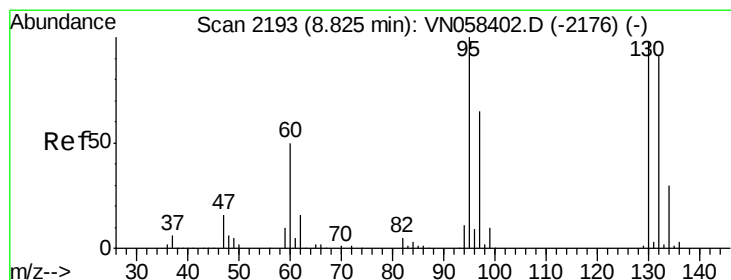
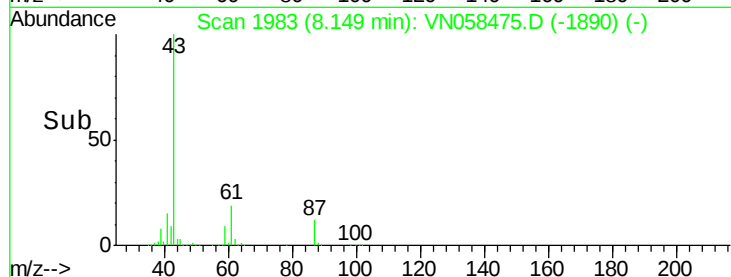
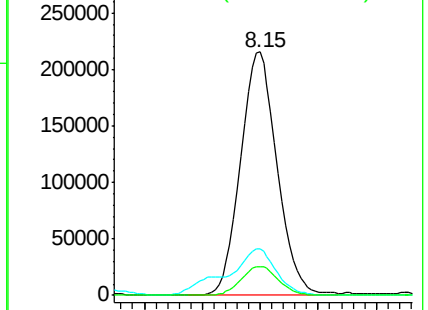
87 12.1 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058402.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058402.D (-1962) (-)



#44

Trichloroethene

Concen: 52.178 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058475.D

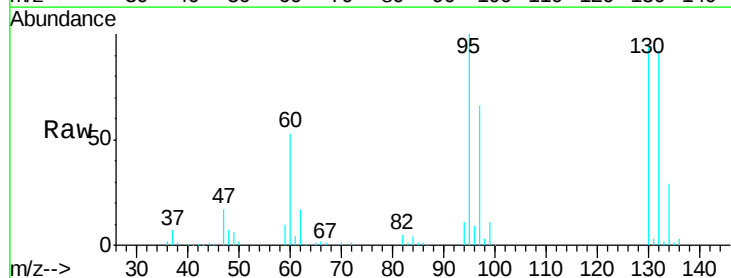
Acq: 2 Oct 2019 15:24

Tgt Ion: 130 Resp: 205073

Ion Ratio Lower Upper

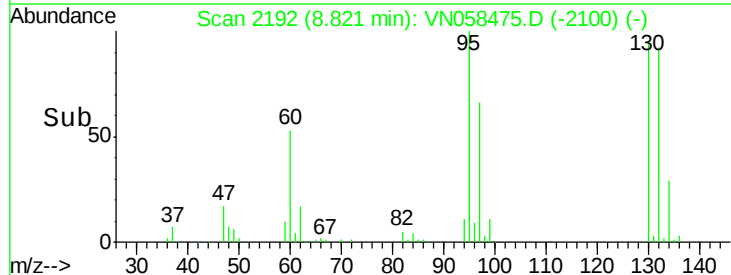
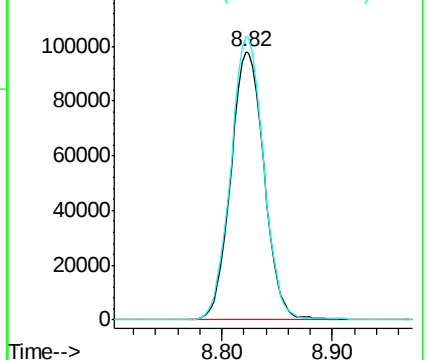
130 100

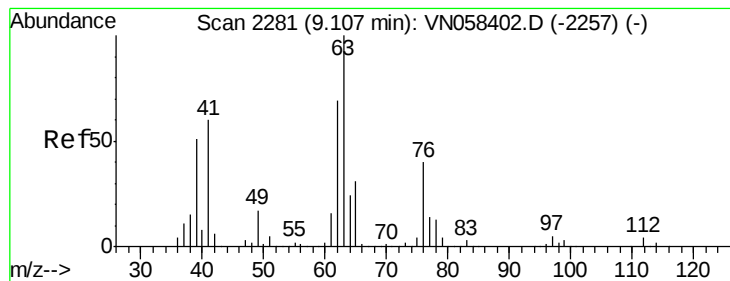
95 105.4 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058402.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058402.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 55.360 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

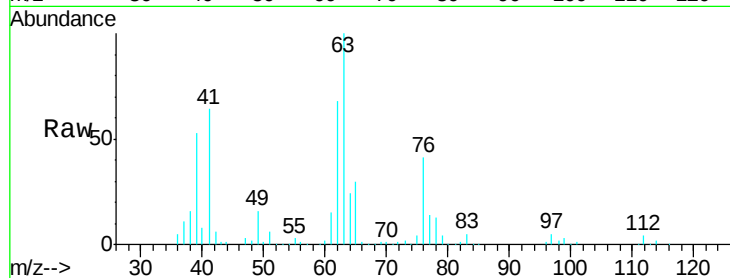
VSTDCCC050

Tgt Ion: 63 Resp: 236328

Ion Ratio Lower Upper

63 100

65 30.2 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN058402.D (-2257) (-)

Ion 64.90 (64.60 to 65.60): VN058402.D (-2257) (-)

9.11

120000

100000

80000

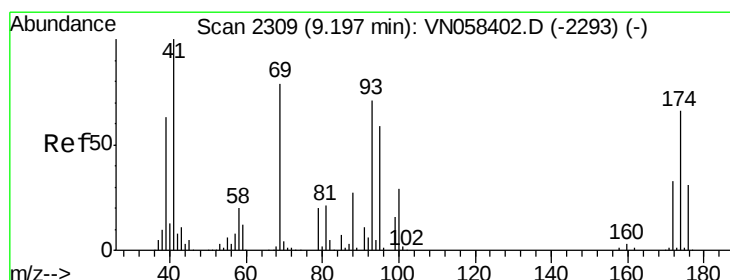
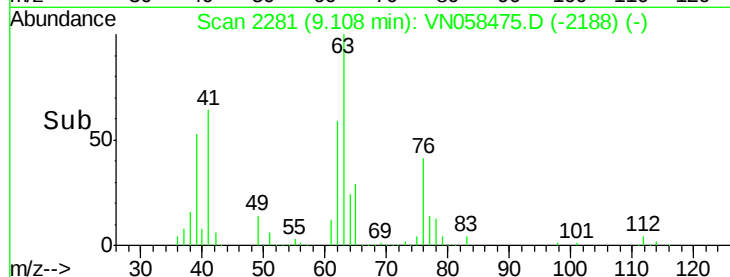
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 55.030 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

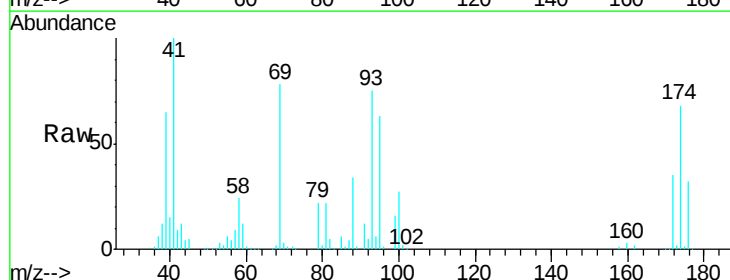
Tgt Ion: 93 Resp: 148772

Ion Ratio Lower Upper

93 100

95 82.4 67.0 100.4

174 89.1 74.2 111.2



Abundance Ion 92.80 (92.50 to 93.50): VN058402.D (-2293) (-)

Ion 94.80 (94.50 to 95.50): VN058402.D (-2293) (-)

Ion 173.70 (173.40 to 174.40): VN058402.D (-2293) (-)

9.20

100000

80000

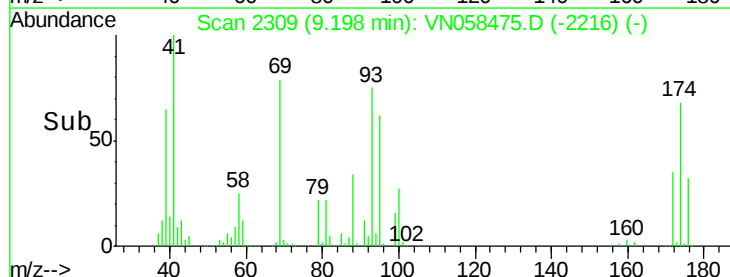
60000

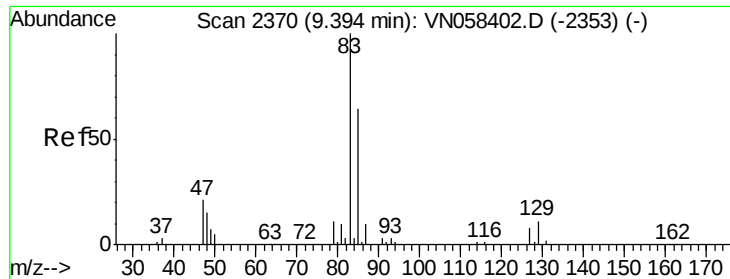
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 58.202 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

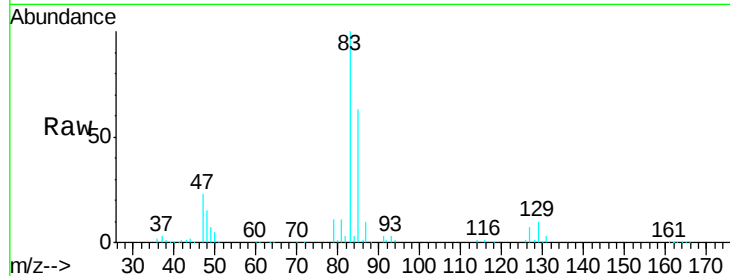
Tgt Ion: 83 Resp: 298120

Ion Ratio Lower Upper

83 100

85 62.9 51.2 76.8

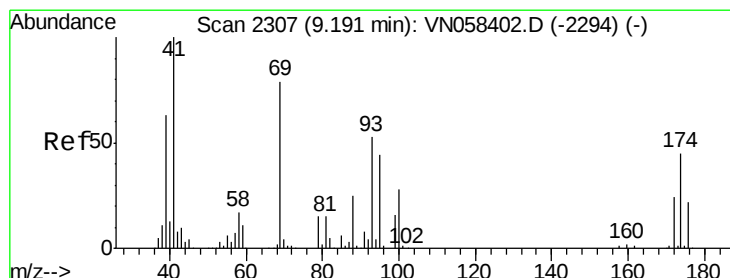
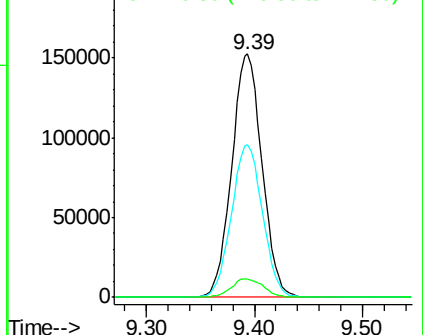
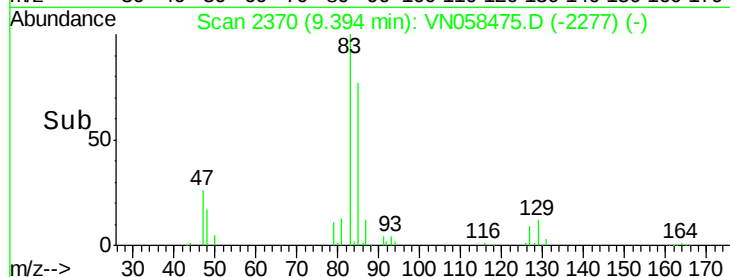
127 7.5 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 58.630 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

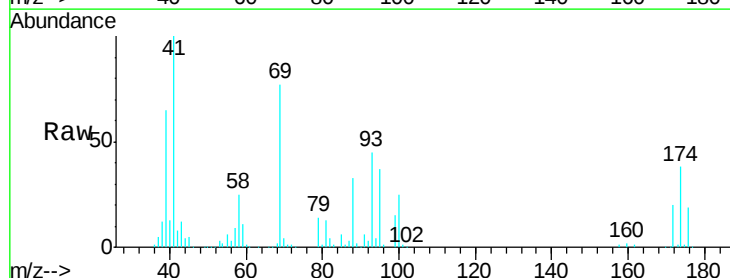
Tgt Ion: 41 Resp: 235695

Ion Ratio Lower Upper

41 100

69 78.5 64.7 97.1

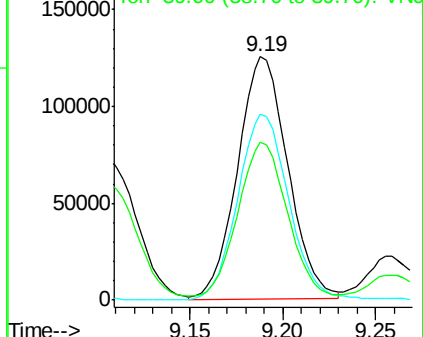
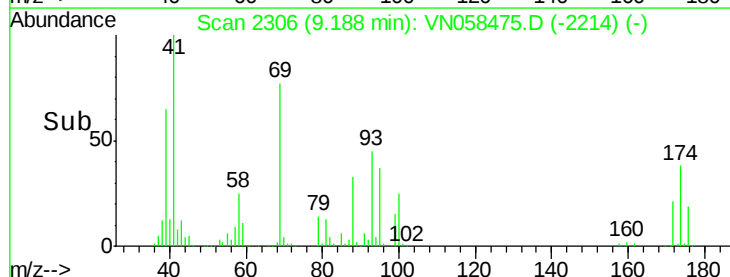
39 65.0 52.9 79.3

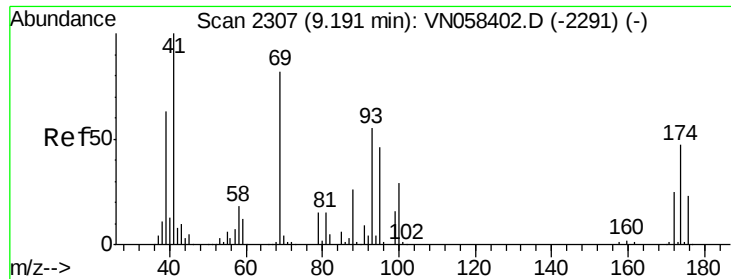


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1580.030 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

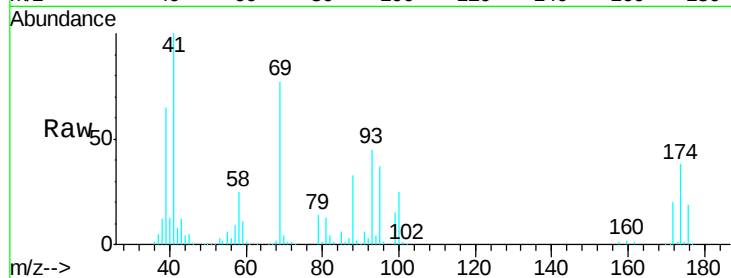
Tgt Ion: 88 Resp: 84931

Ion Ratio Lower Upper

88 100

43 34.6 31.1 46.7

58 73.3 58.1 87.1

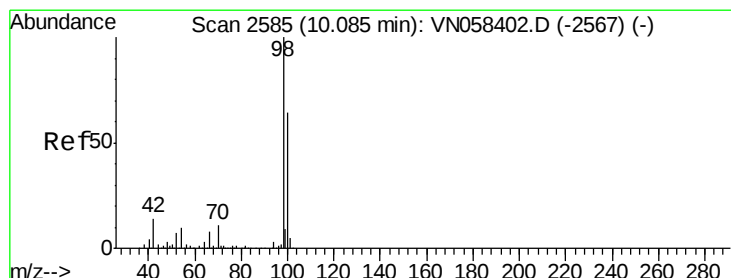
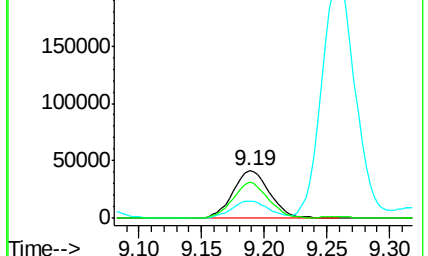
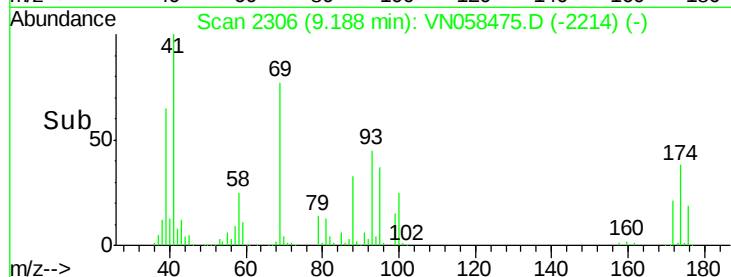


Abundance Ion 88.00 (87.70 to 88.70): VN058402.D (-2291) (-)

Ion 43.00 (42.70 to 43.70): VN058402.D (-2291) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-2291) (-)

Time-->



#50

Toluene-d8

Concen: 52.142 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058475.D

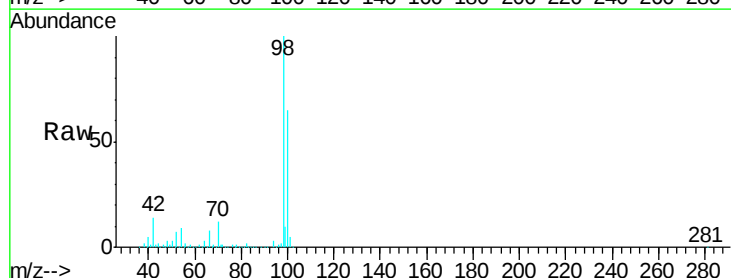
Acq: 2 Oct 2019 15:24

Tgt Ion: 98 Resp: 724998

Ion Ratio Lower Upper

98 100

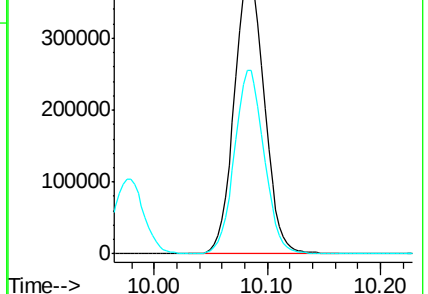
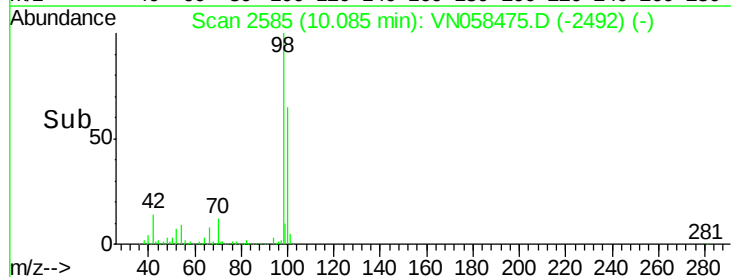
100 64.1 51.0 76.6

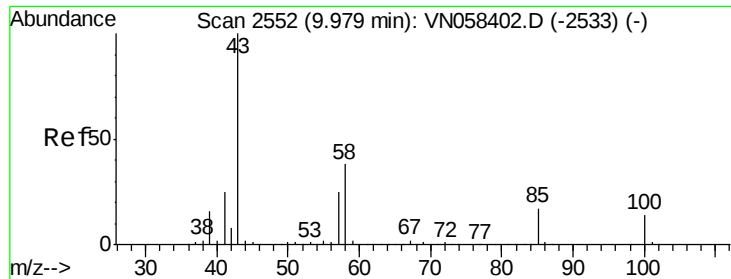


Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 323.241 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

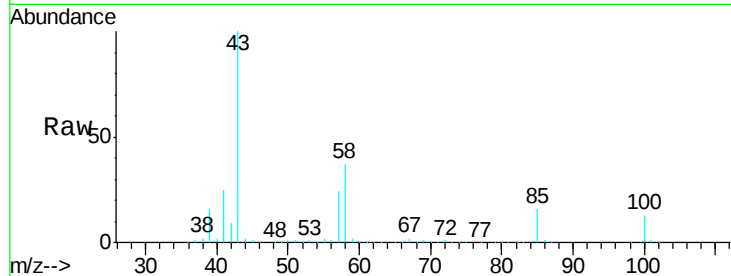
VSTDCCC050

Tgt Ion: 43 Resp: 1465857

Ion Ratio Lower Upper

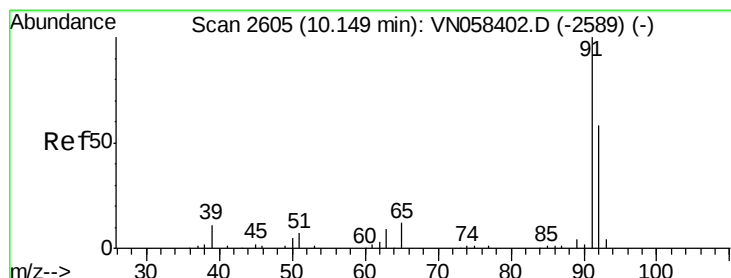
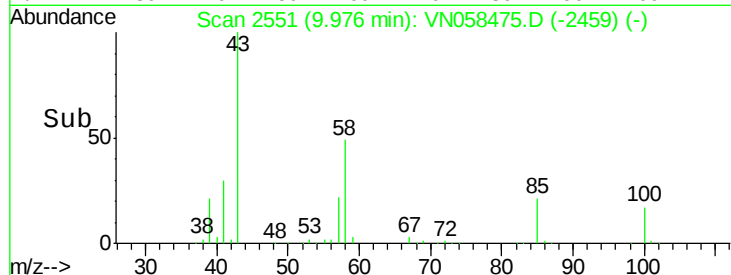
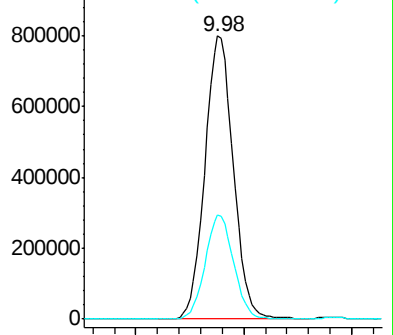
43 100

58 36.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.839 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058475.D

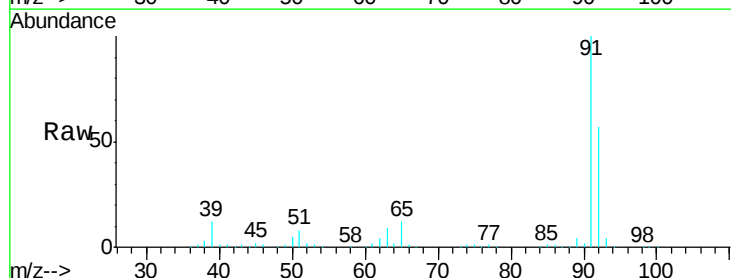
Acq: 2 Oct 2019 15:24

Tgt Ion: 92 Resp: 529381

Ion Ratio Lower Upper

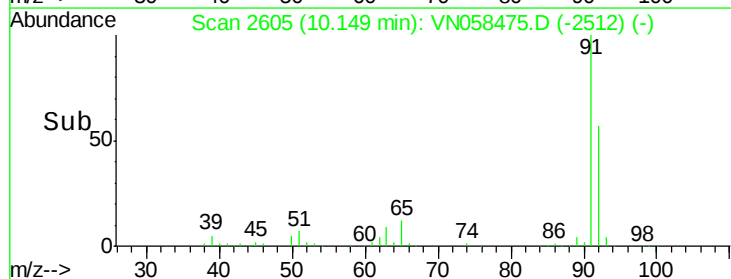
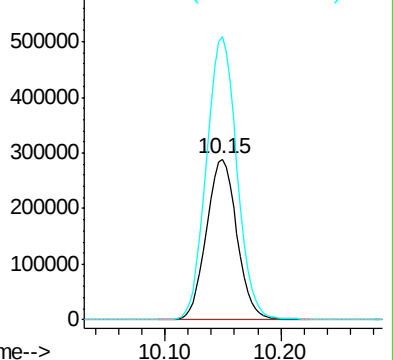
92 100

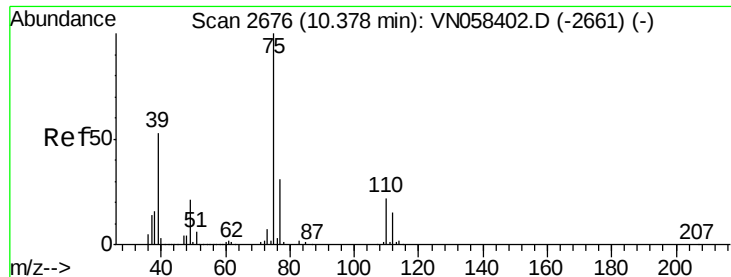
91 176.7 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

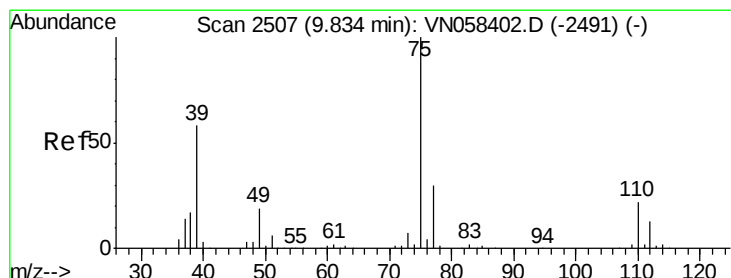
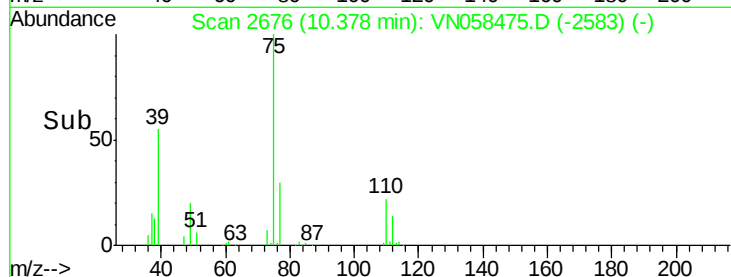
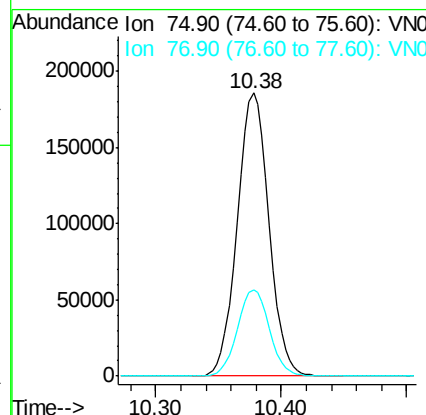
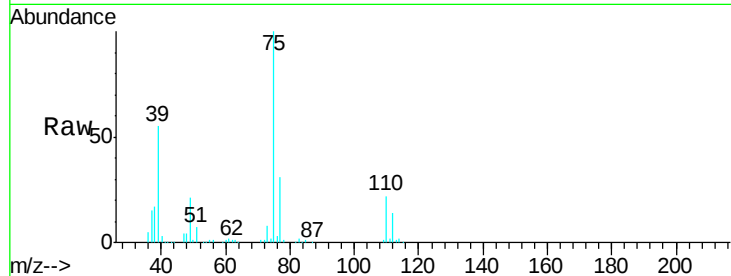




#53
t-1,3-Dichloropropene
Concen: 58.370 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

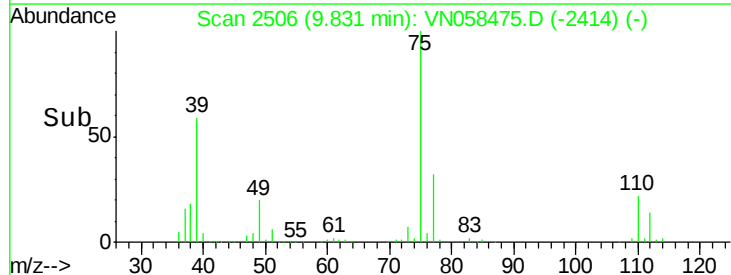
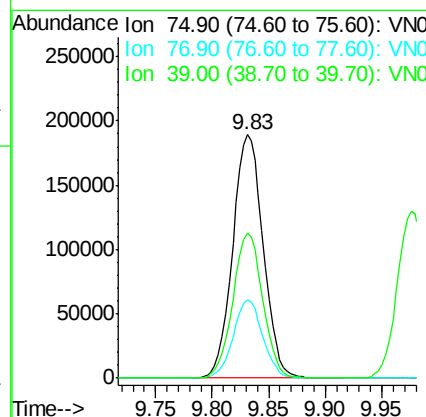
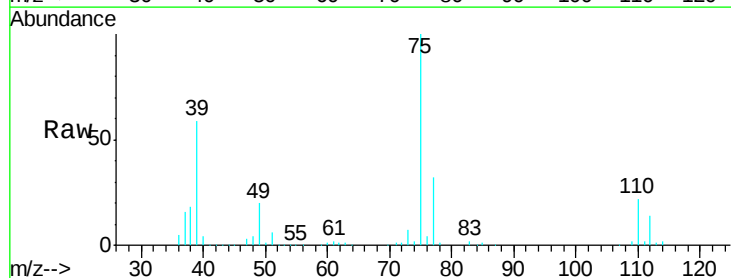
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

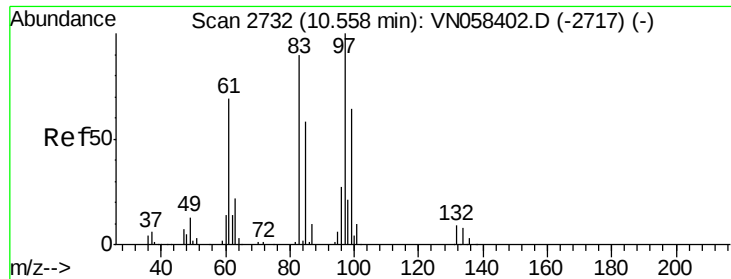
Tgt Ion: 75 Resp: 325420
Ion Ratio Lower Upper
75 100
77 30.6 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 57.191 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 75 Resp: 353931
Ion Ratio Lower Upper
75 100
77 32.1 24.2 36.4
39 59.3 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 57.162 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 208528

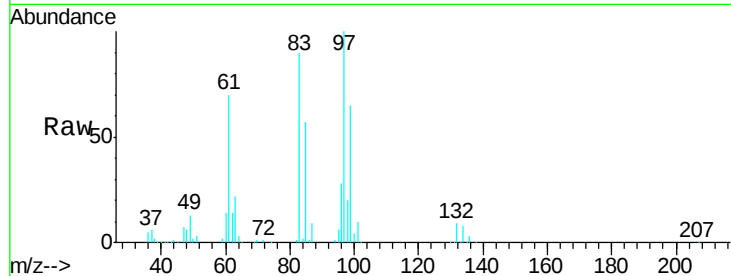
Ion Ratio Lower Upper

97 100

83 90.2 71.8 107.6

85 57.4 46.6 69.8

99 64.5 51.5 77.3

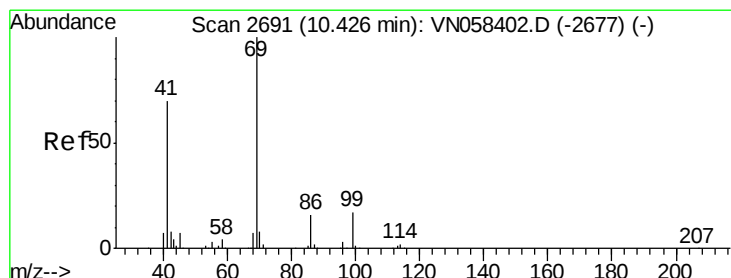
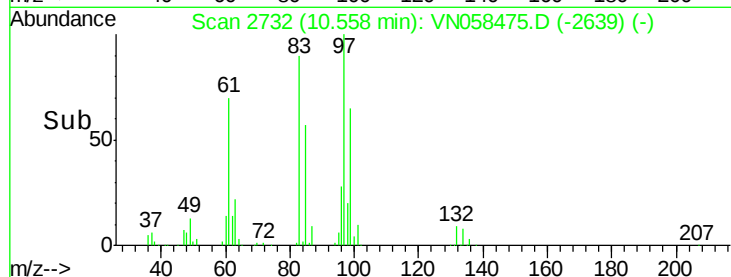
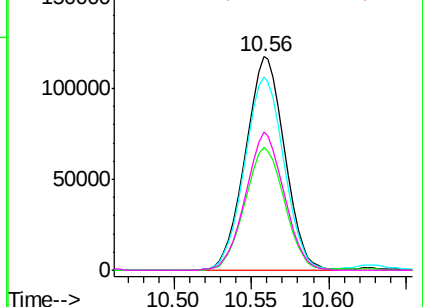


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 57.879 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

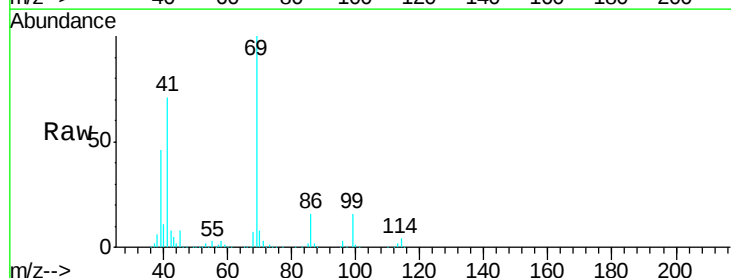
Tgt Ion: 69 Resp: 320390

Ion Ratio Lower Upper

69 100

41 72.1 56.3 84.5

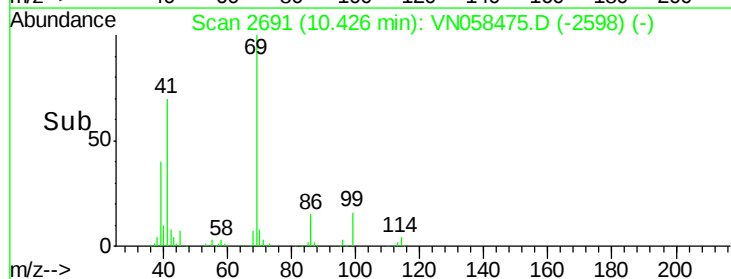
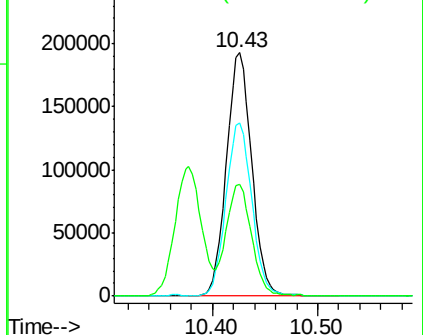
39 45.4 35.8 53.6

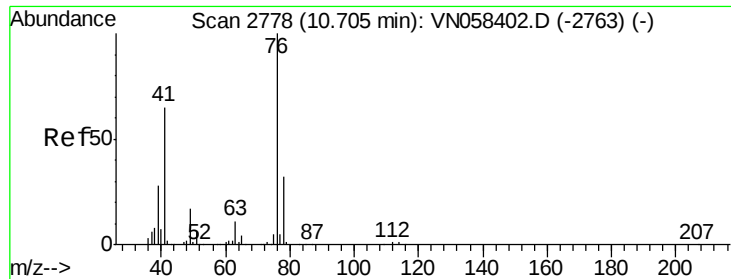


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

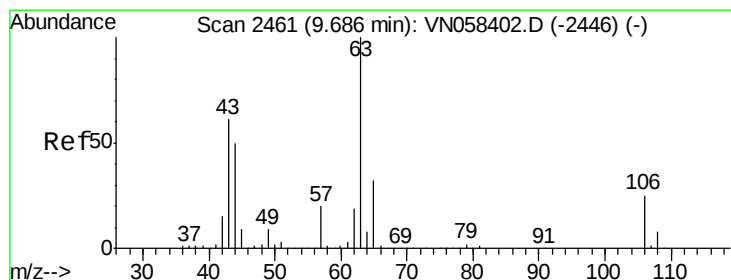
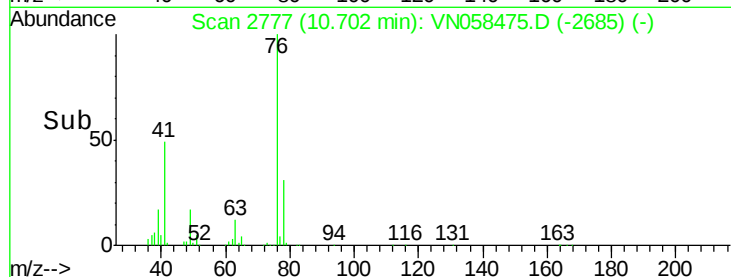
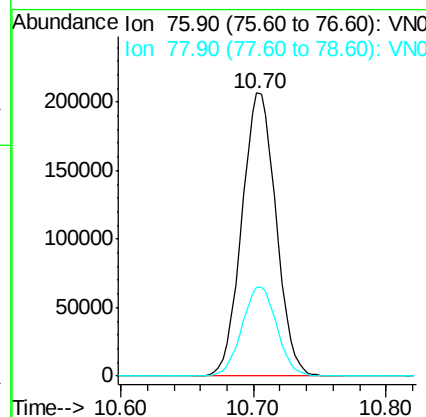
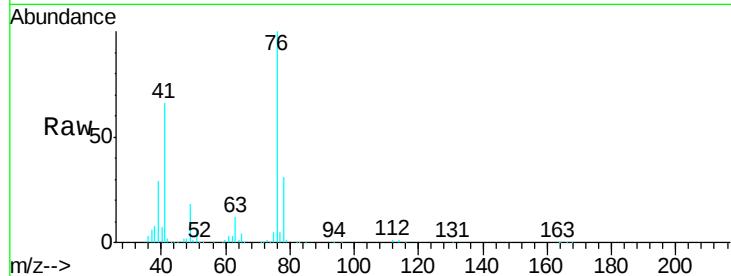




#57
 1,3-Dichloropropane
 Concen: 56.876 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

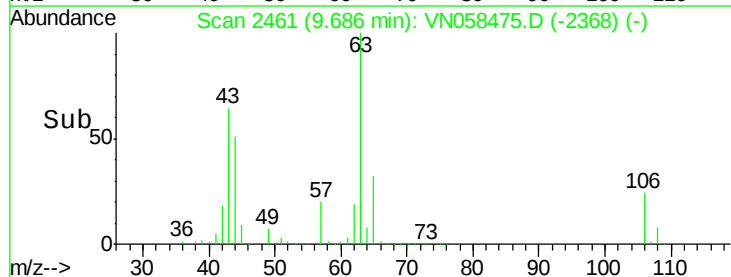
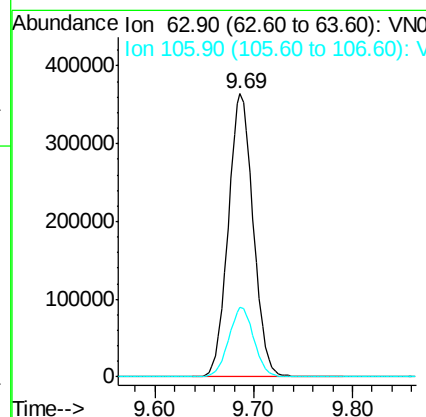
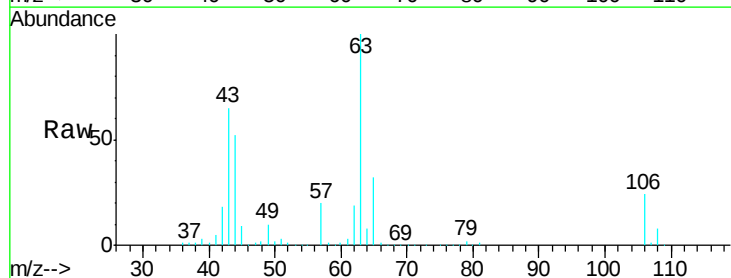
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

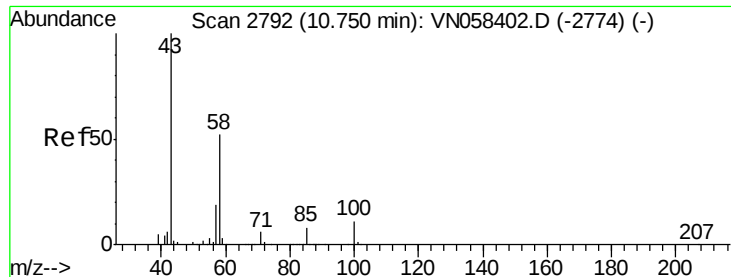
Tgt Ion: 76 Resp: 370092
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 292.634 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion: 63 Resp: 645920
 Ion Ratio Lower Upper
 63 100
 106 24.6 20.3 30.5

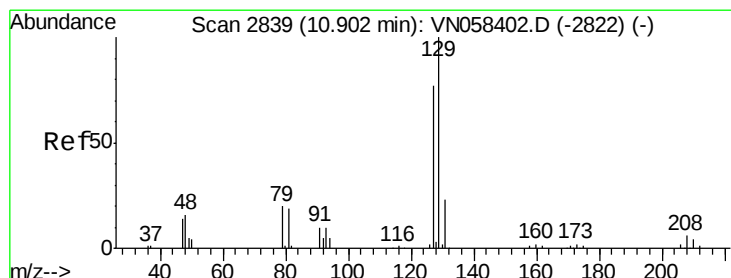
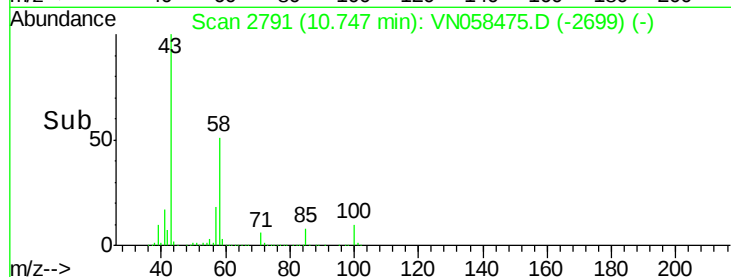
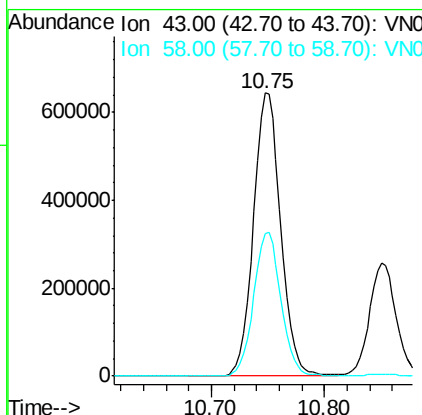
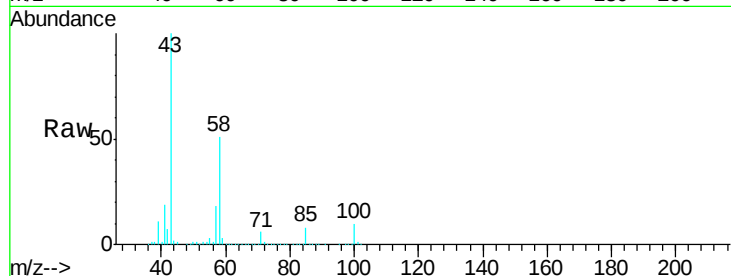




#59
2-Hexanone
Concen: 325.332 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

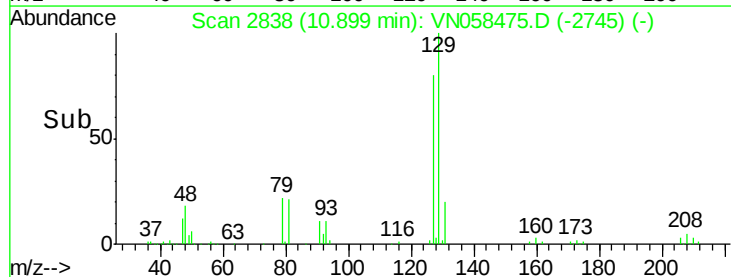
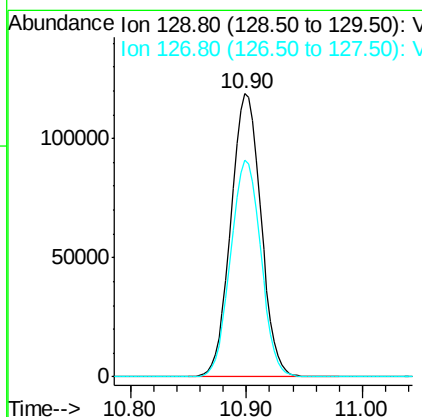
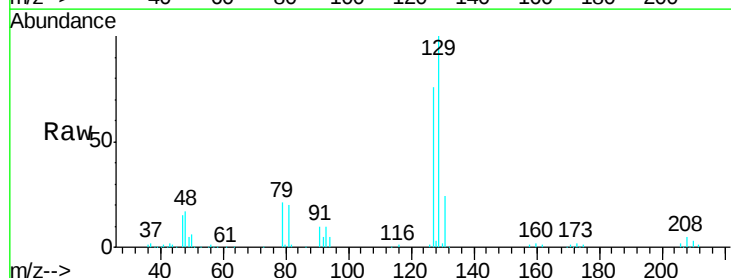
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

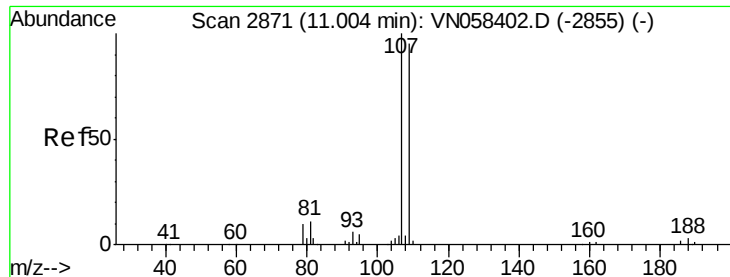
Tgt Ion: 43 Resp: 1074269
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.3



#60
Dibromochloromethane
Concen: 56.534 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 129 Resp: 213294
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 56.967 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

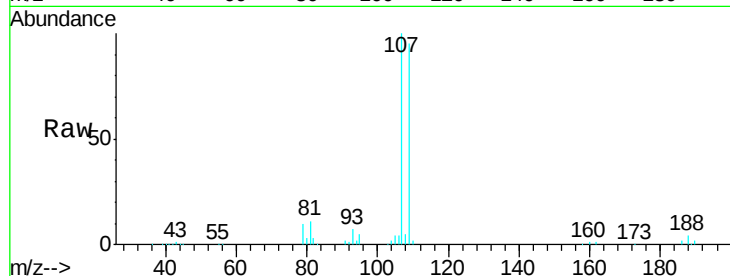
VSTDCCC050

Tgt Ion: 107 Resp: 212345

Ion Ratio Lower Upper

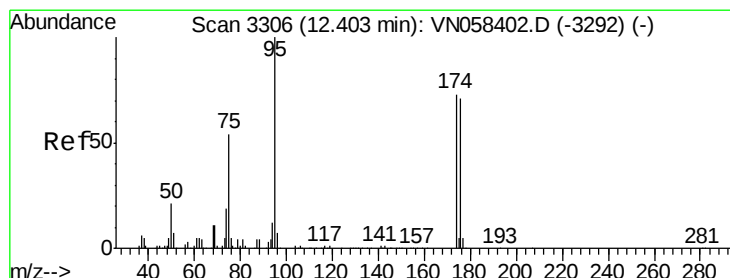
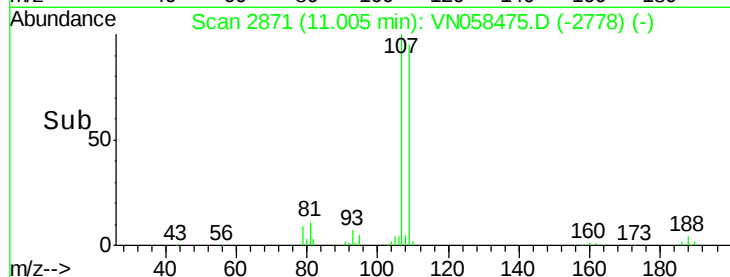
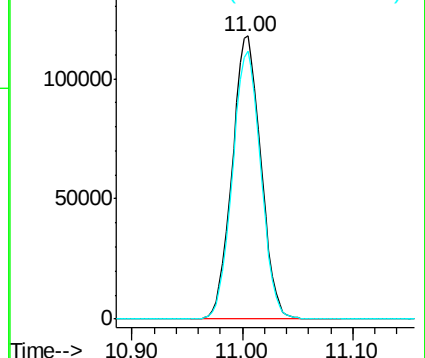
107 100

109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.660 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

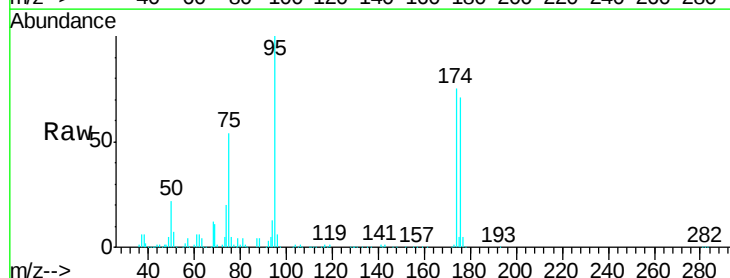
Tgt Ion: 95 Resp: 269776

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.6

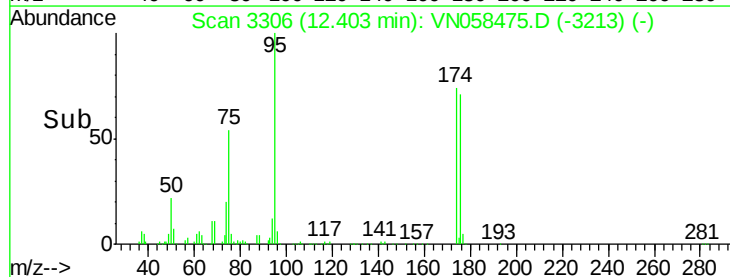
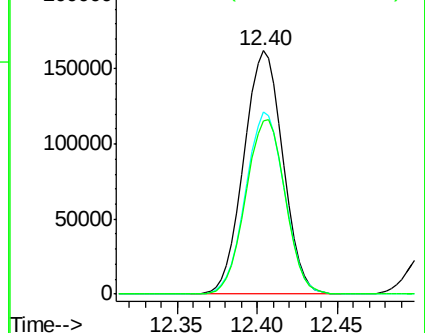
176 72.6 0.0 146.2

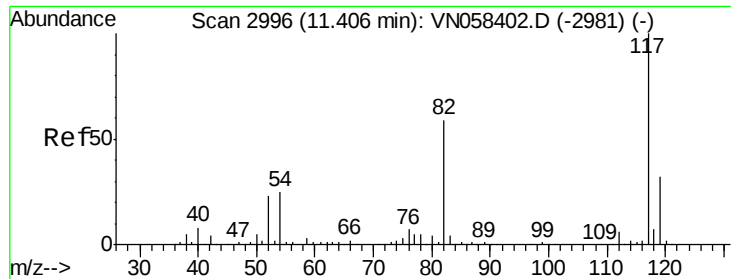


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

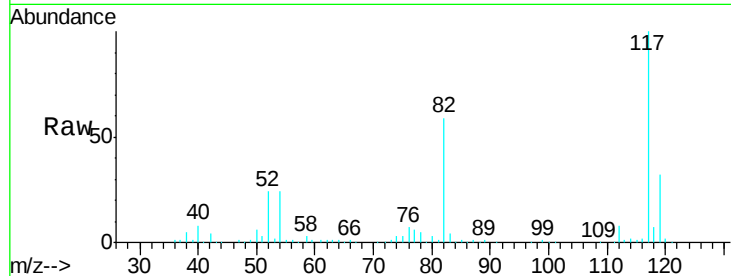




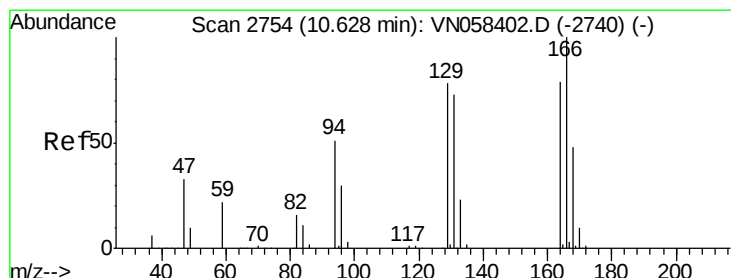
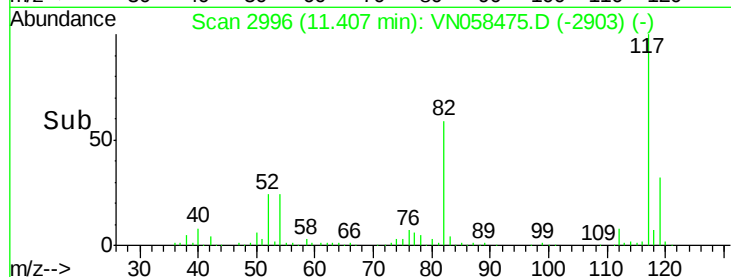
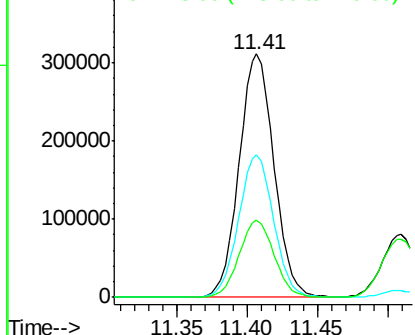
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 540764
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.0
119 31.7 25.5 38.3



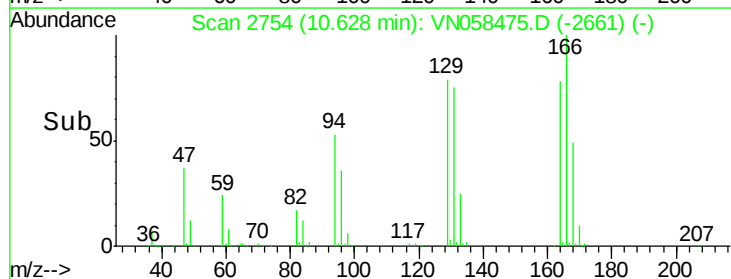
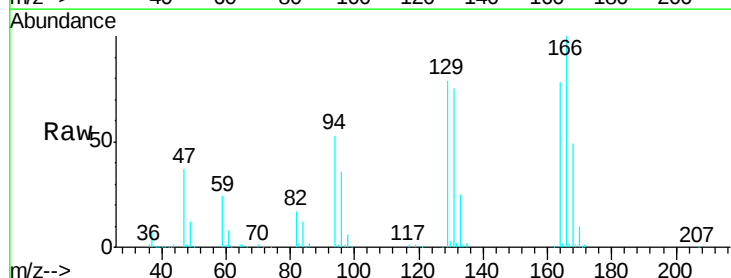
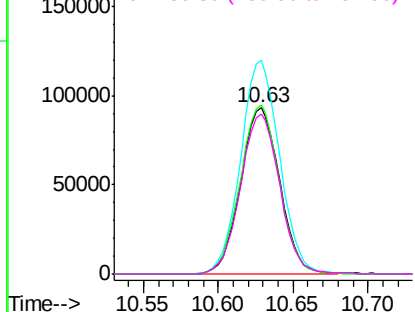
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

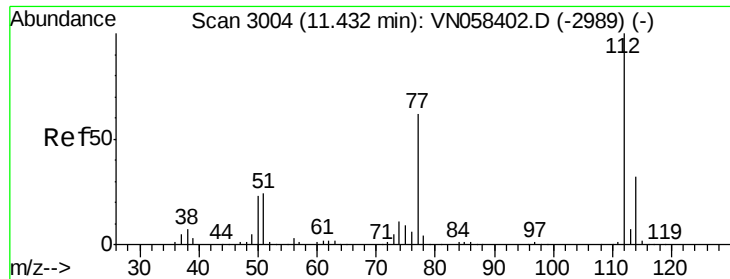


#64
Tetrachloroethene
Concen: 49.307 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion:164 Resp: 169401
Ion Ratio Lower Upper
164 100
166 128.7 101.1 151.7
129 101.9 79.2 118.8
131 96.5 74.1 111.1

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

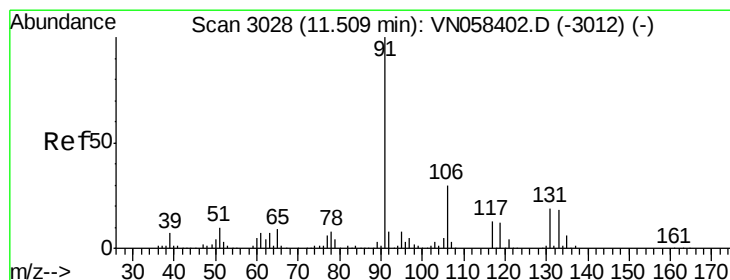
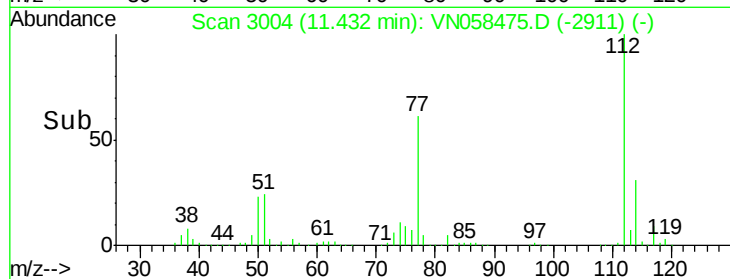
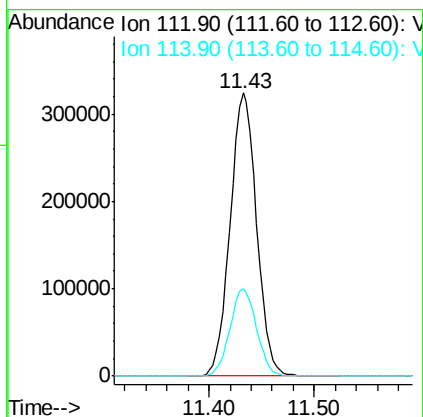
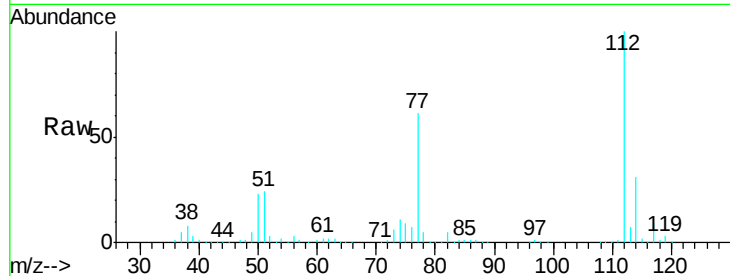




#65
Chlorobenzene
Concen: 52.168 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

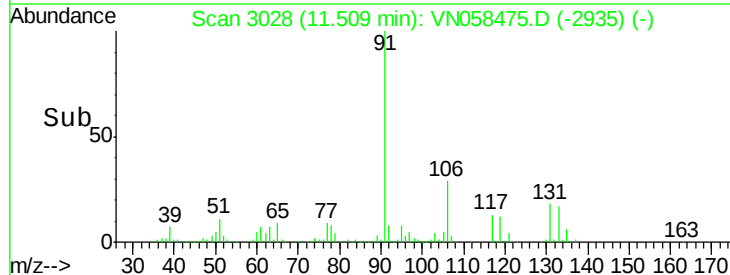
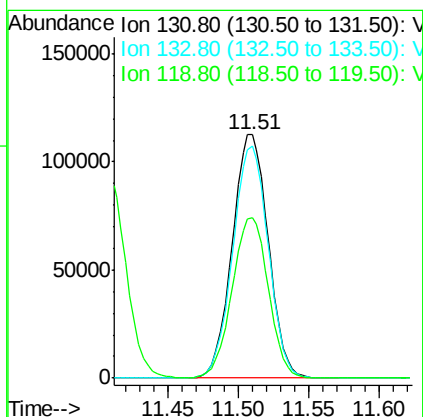
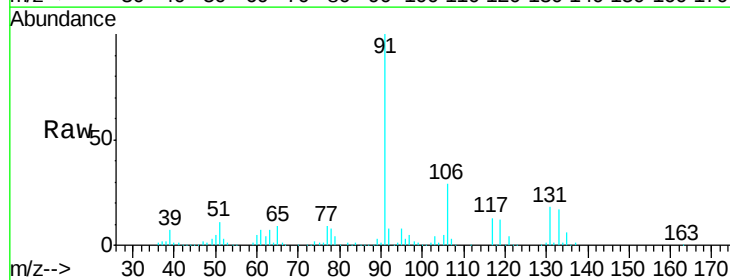
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

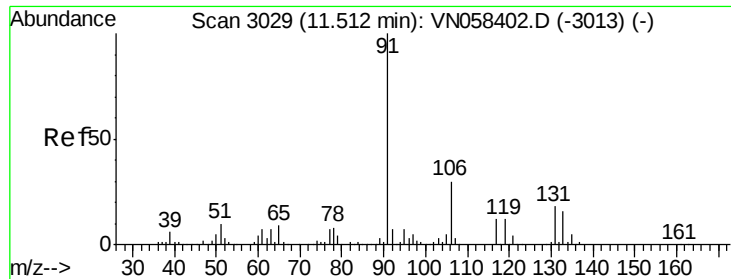
Tgt Ion:112 Resp: 560764
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.621 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion:131 Resp: 201438
Ion Ratio Lower Upper
131 100
133 94.3 47.8 143.3
119 66.3 33.0 99.0

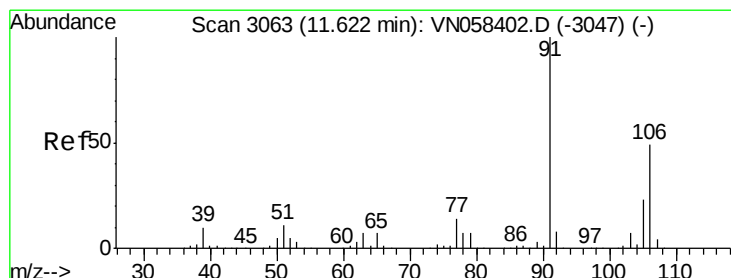
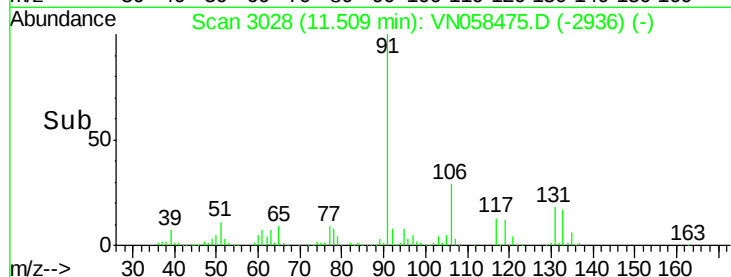
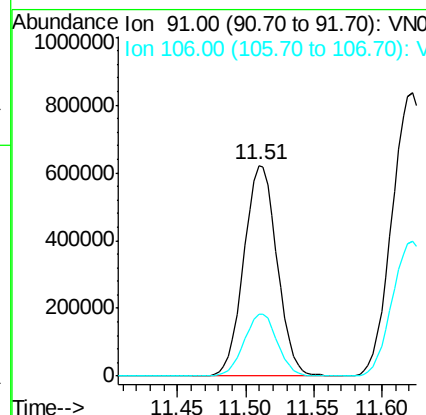
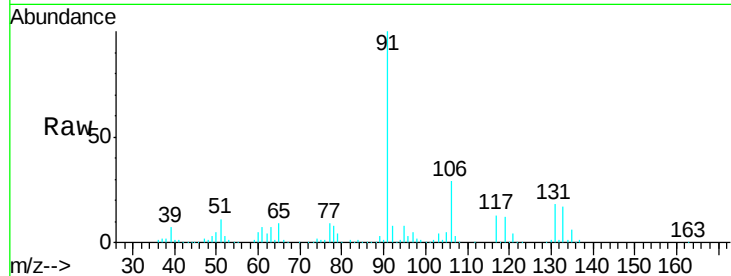




#67
Ethyl Benzene
Concen: 54.050 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

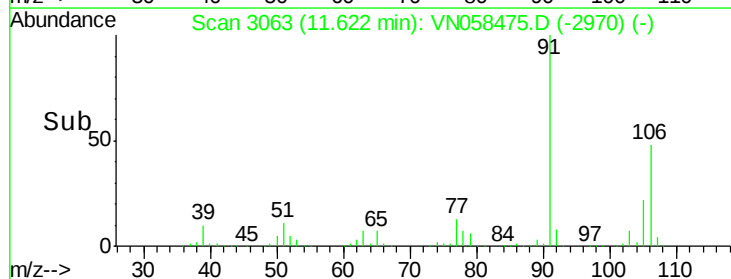
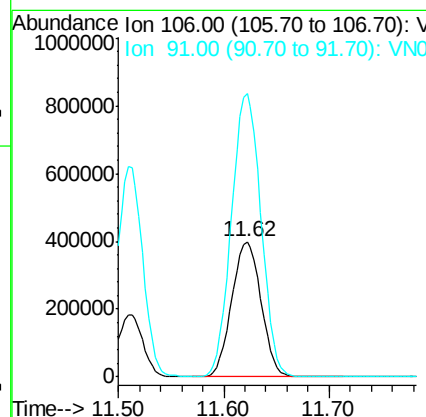
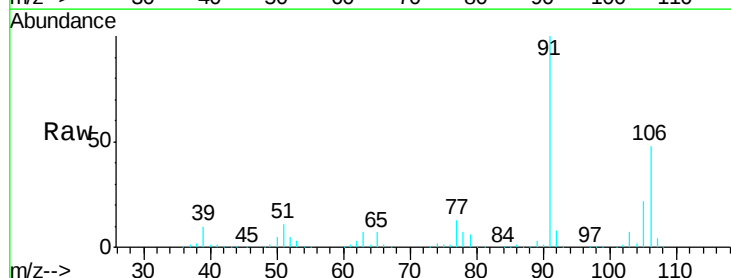
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

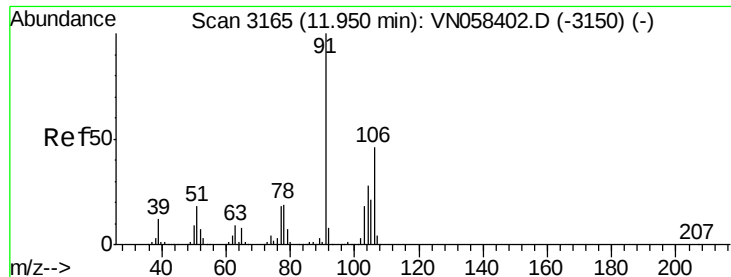
Tgt Ion: 91 Resp: 1052346
Ion Ratio Lower Upper
91 100
106 29.4 24.3 36.5



#68
m/p-Xylenes
Concen: 104.993 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 106 Resp: 769110
Ion Ratio Lower Upper
106 100
91 210.2 165.0 247.4

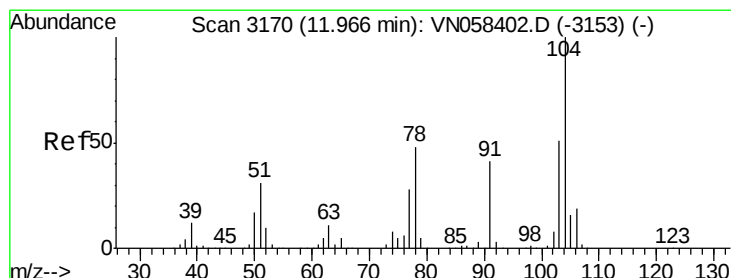
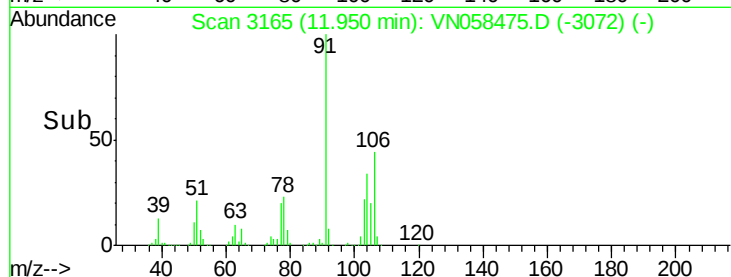
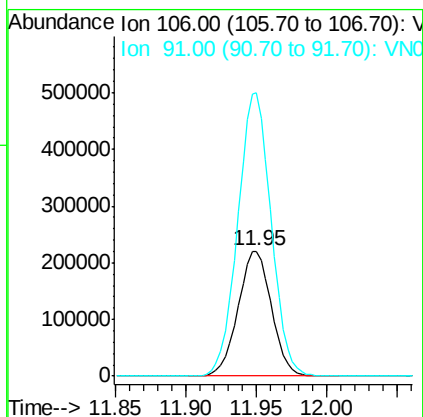
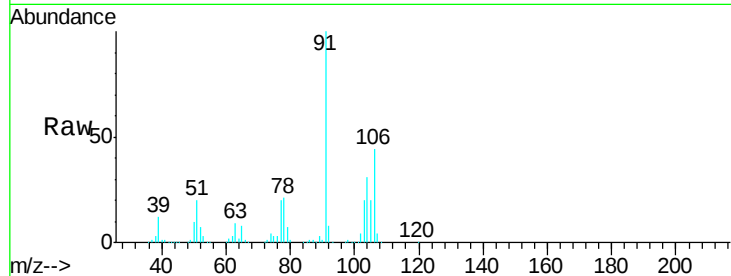




#69
o-Xylene
Concen: 51.941 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

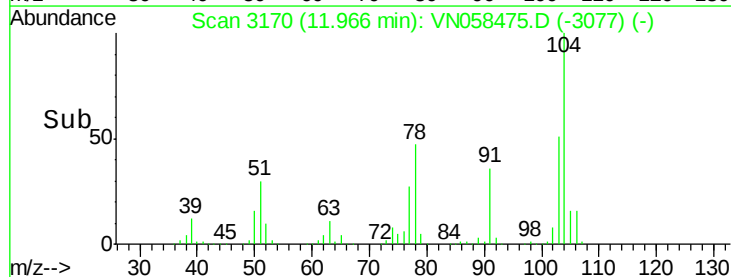
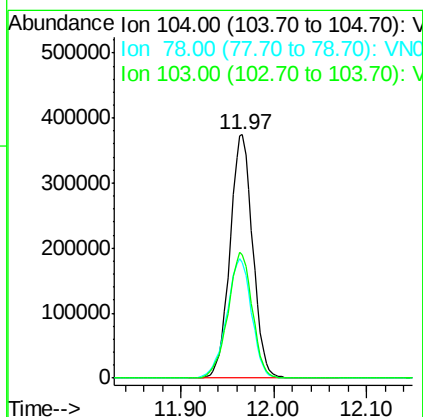
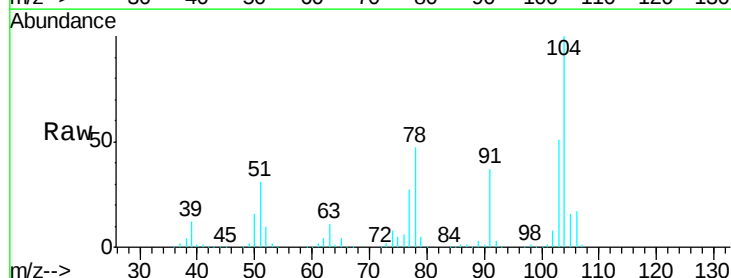
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

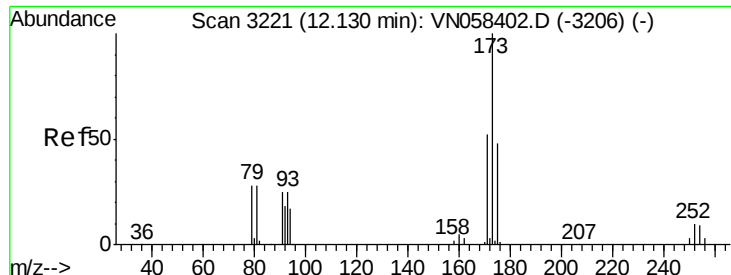
Tgt Ion:106 Resp: 366270
Ion Ratio Lower Upper
106 100
91 225.9 109.1 327.4



#70
Styrene
Concen: 55.466 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion:104 Resp: 635412
Ion Ratio Lower Upper
104 100
78 53.6 42.8 64.2
103 55.5 43.7 65.5

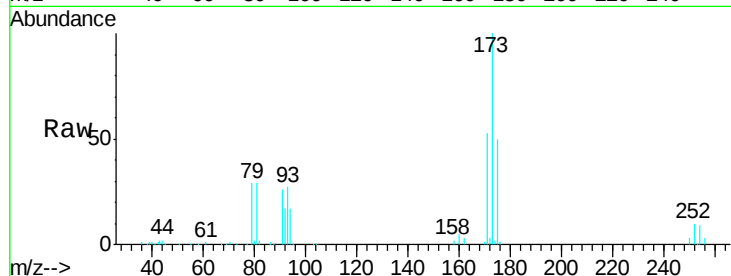




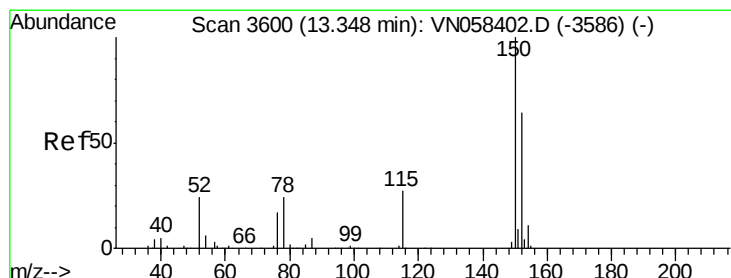
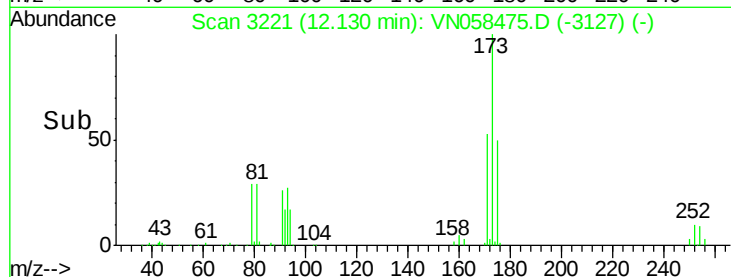
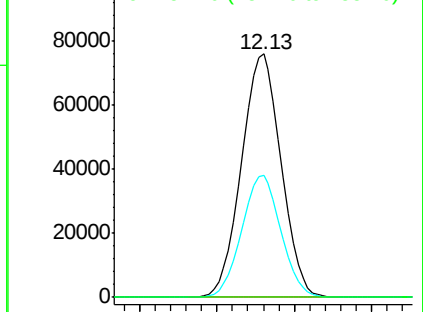
#71
Bromoform
Concen: 53.973 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 135224
Ion Ratio Lower Upper
173 100
175 49.7 24.3 73.0
254 0.0 0.1 0.1#

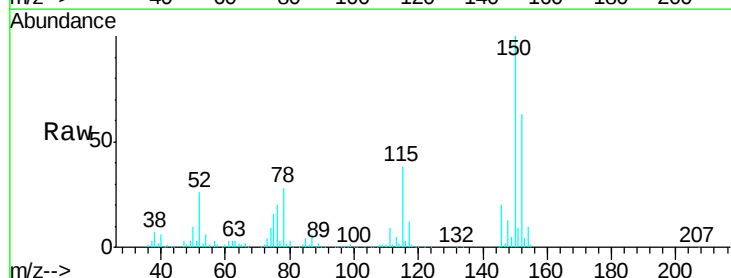


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

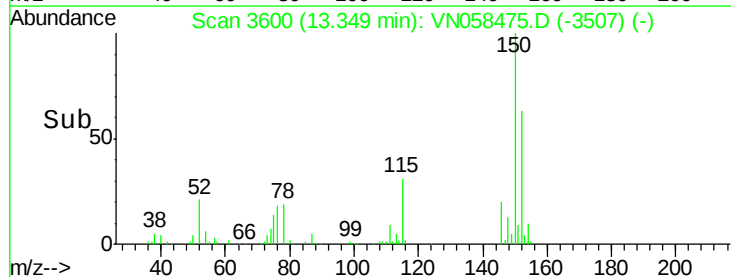
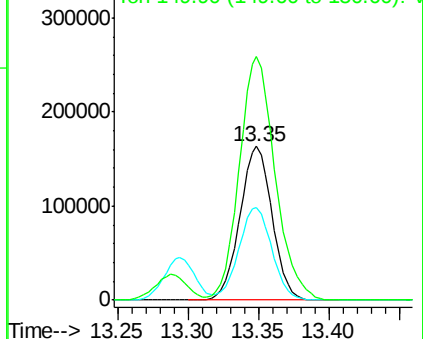


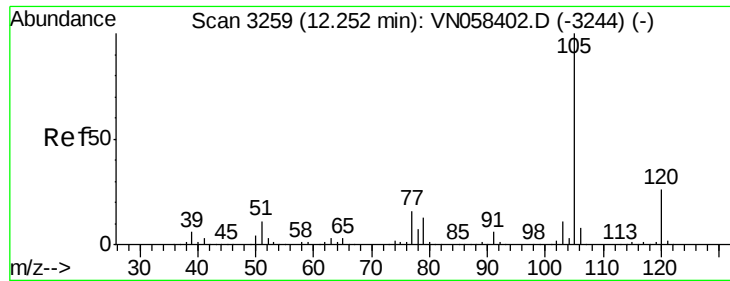
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion:152 Resp: 262172
Ion Ratio Lower Upper
152 100
115 62.0 30.0 90.0
150 175.3 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.549 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

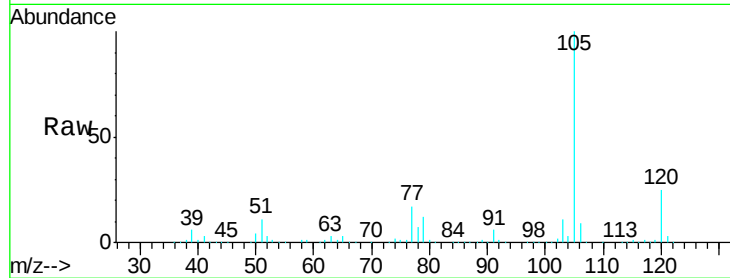
VSTDCCC050

Tgt Ion: 105 Resp: 1018152

Ion Ratio Lower Upper

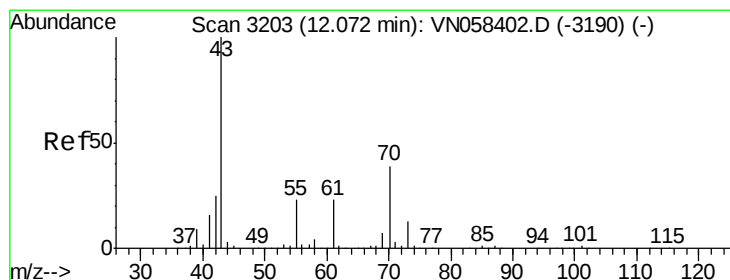
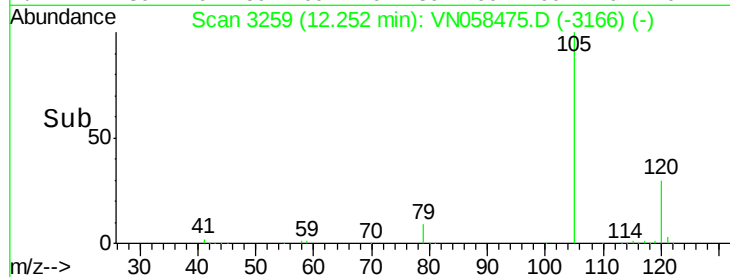
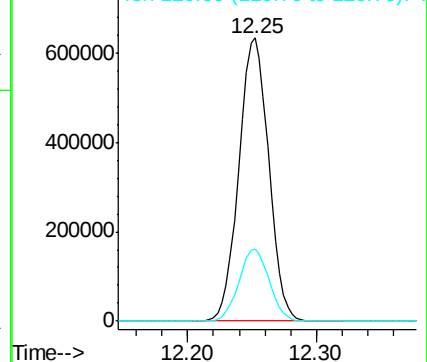
105 100

120 25.6 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: 55.370 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Tgt Ion: 43 Resp: 426791

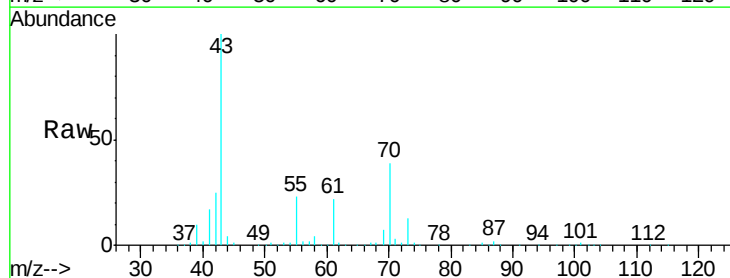
Ion Ratio Lower Upper

43 100

70 39.2 31.4 47.2

55 24.0 18.2 27.4

61 21.9 18.3 27.5

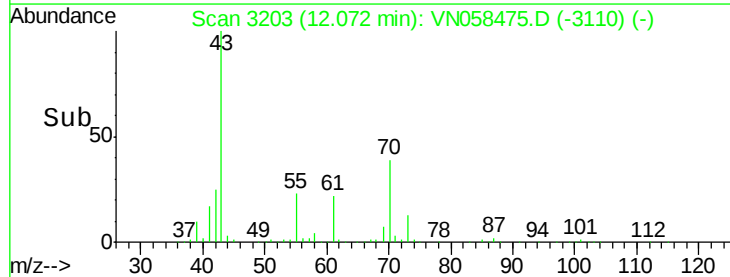
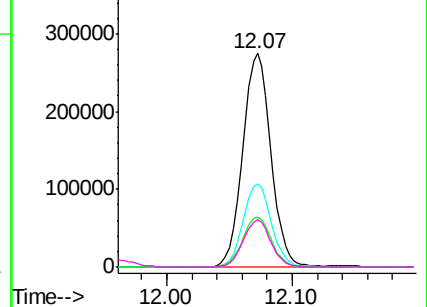


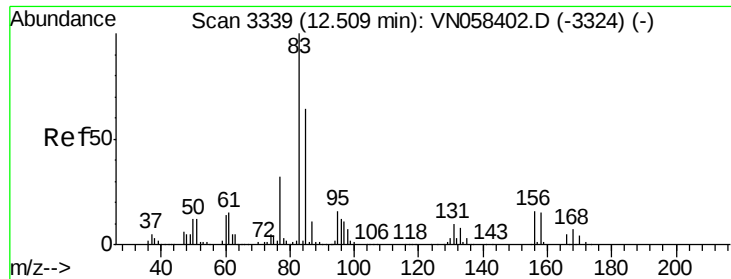
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.023 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

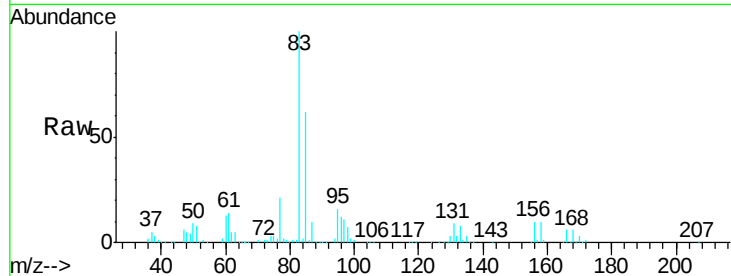
Tgt Ion: 83 Resp: 320971

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

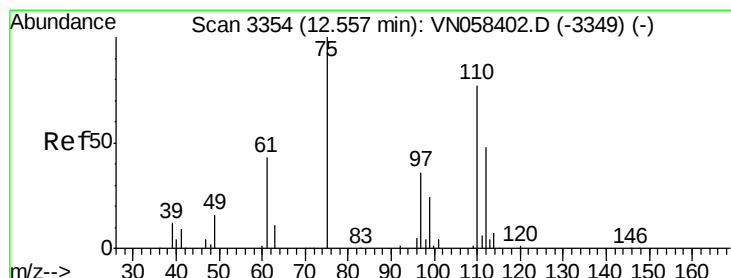
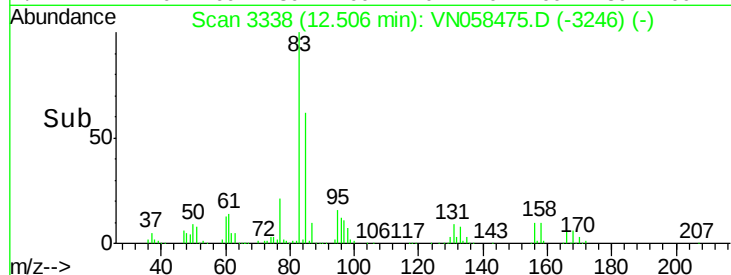
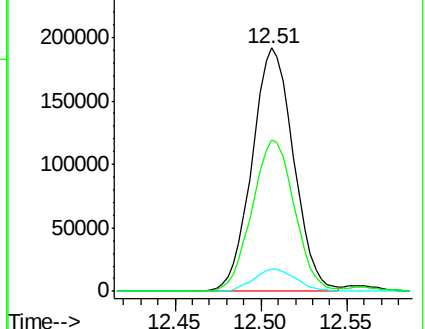
85 63.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 81.715 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058475.D

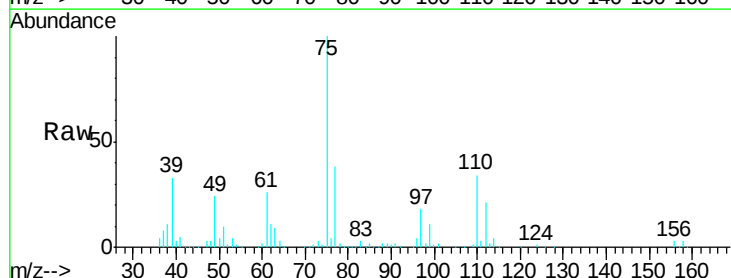
Acq: 2 Oct 2019 15:24

Tgt Ion: 75 Resp: 391300

Ion Ratio Lower Upper

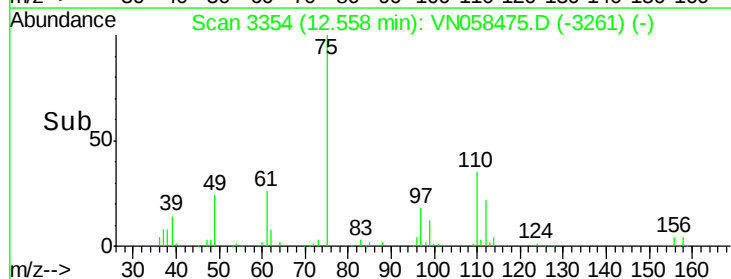
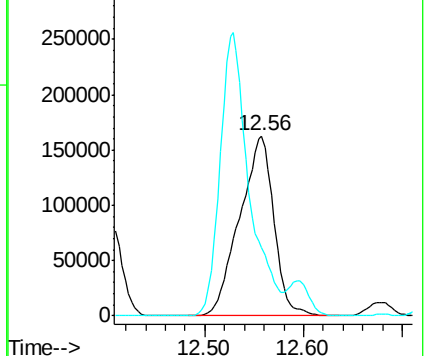
75 100

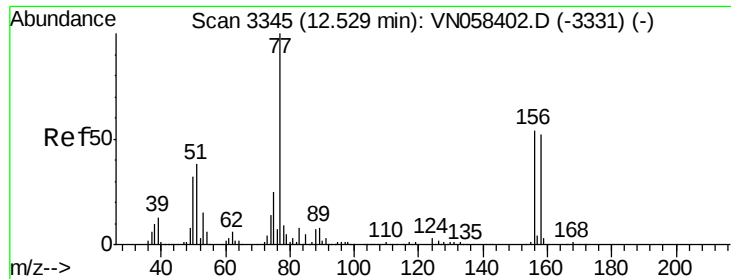
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 50.339 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

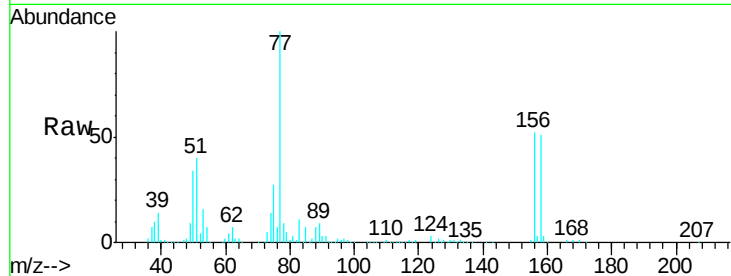
Tgt Ion:156 Resp: 228694

Ion Ratio Lower Upper

156 100

77 230.3 110.0 330.0

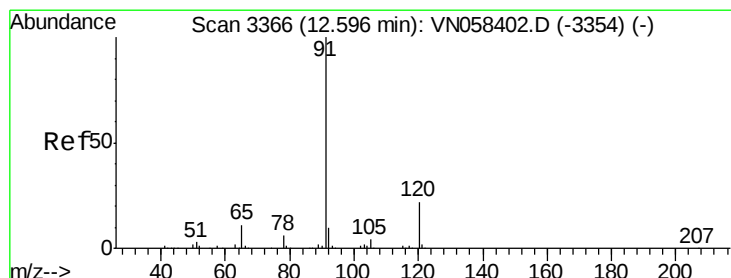
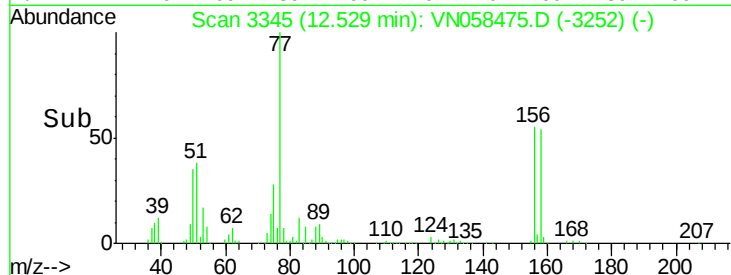
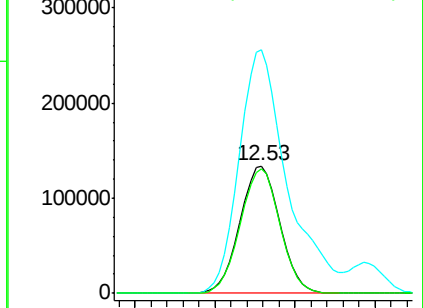
158 97.2 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.929 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058475.D

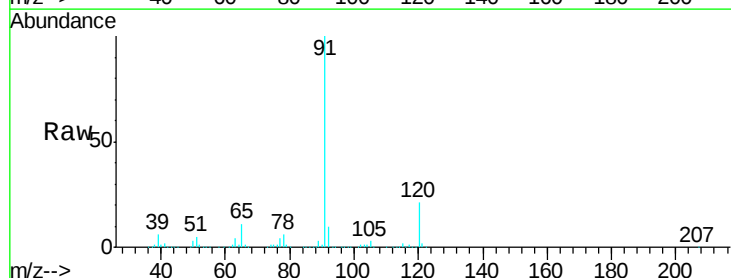
Acq: 2 Oct 2019 15:24

Tgt Ion: 91 Resp: 1220836

Ion Ratio Lower Upper

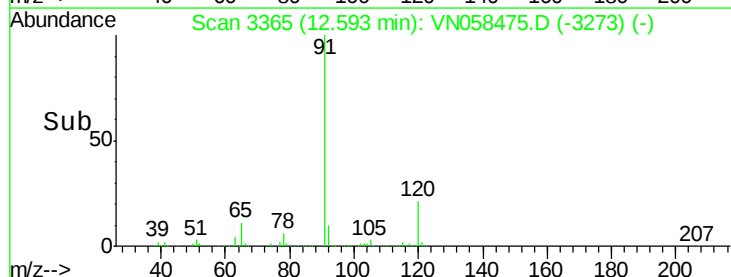
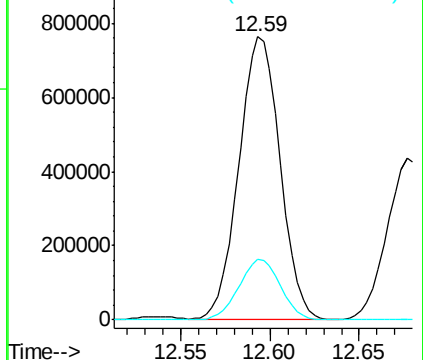
91 100

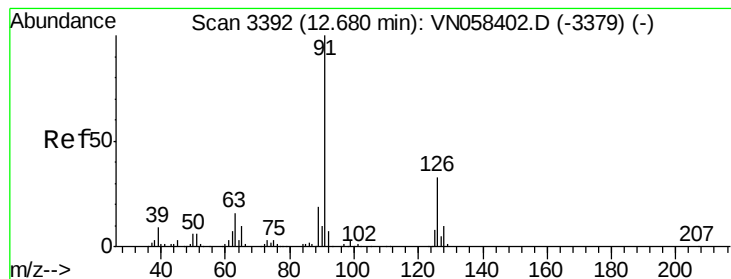
120 21.6 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.730 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

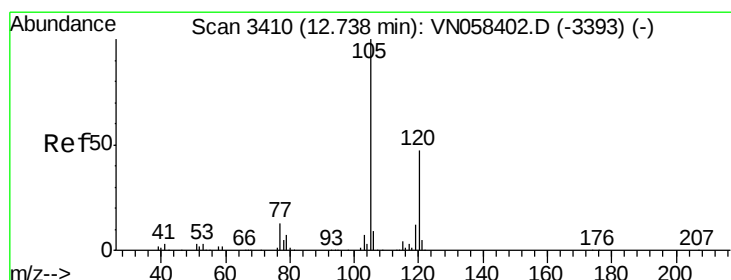
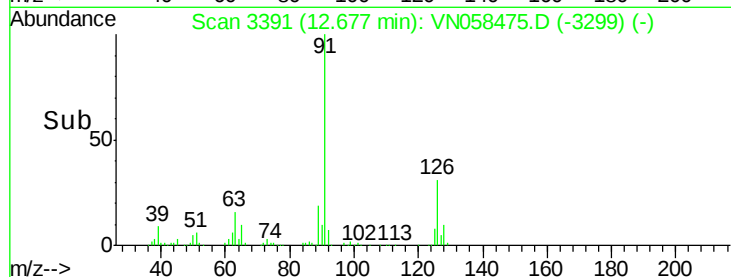
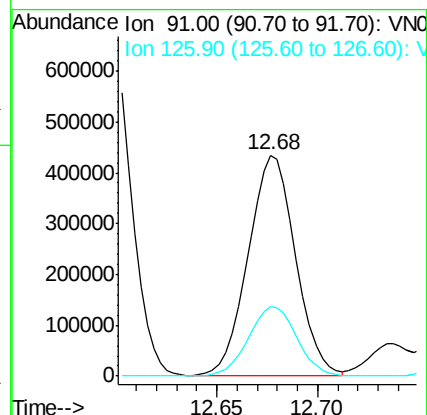
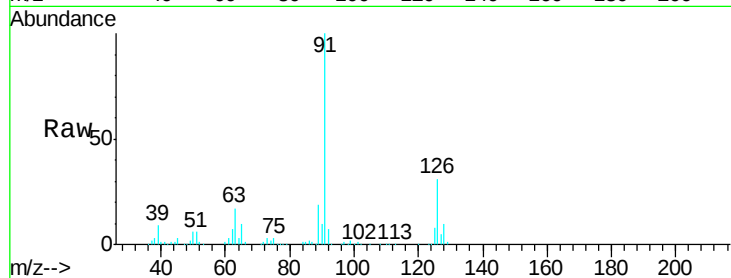
VSTDCCC050

Tgt Ion: 91 Resp: 710437

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 54.226 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058475.D

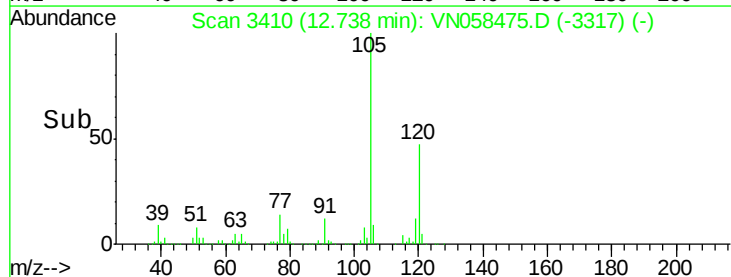
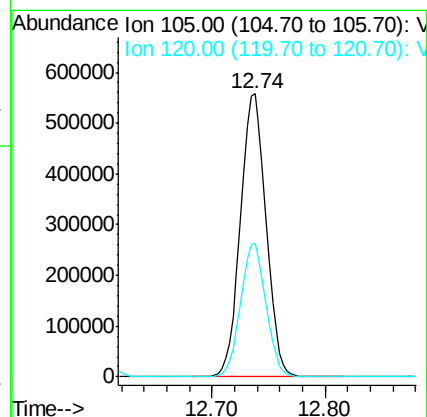
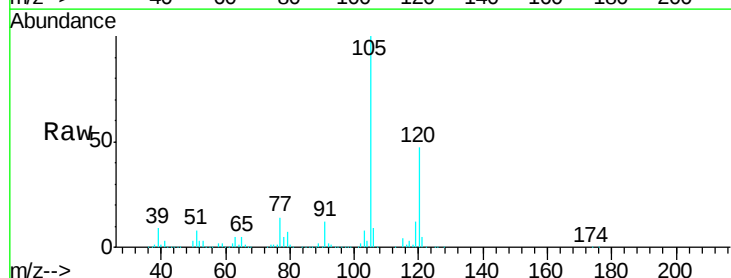
Acq: 2 Oct 2019 15:24

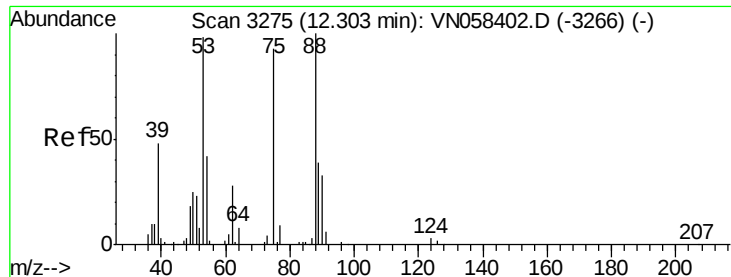
Tgt Ion: 105 Resp: 879482

Ion Ratio Lower Upper

105 100

120 46.9 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 55.660 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

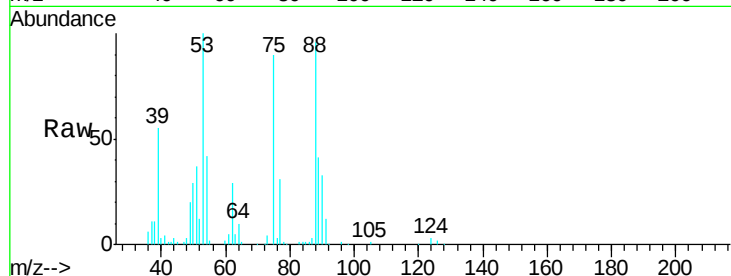
Tgt Ion: 75 Resp: 87758

Ion Ratio Lower Upper

75 100

53 115.0 85.4 128.0

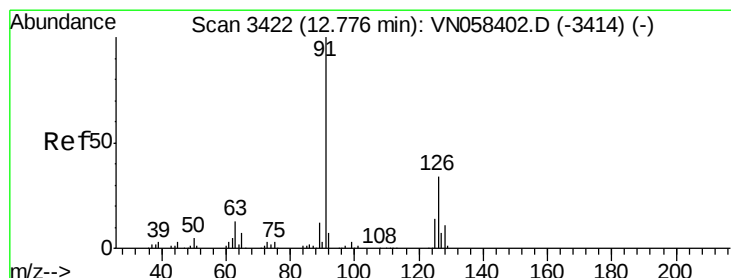
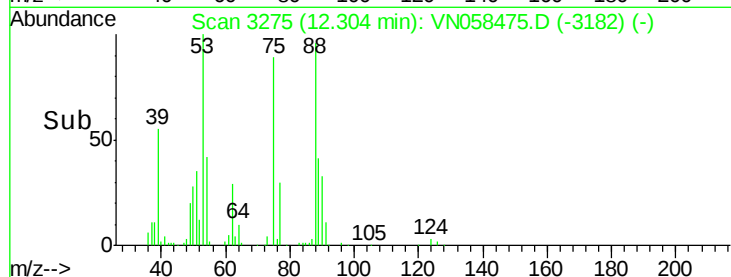
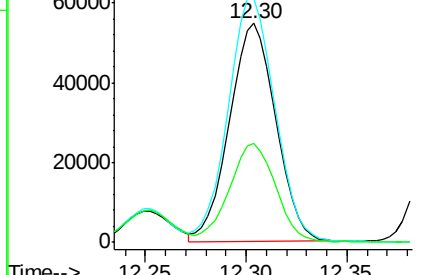
89 44.9 35.0 52.4



Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN058402.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN058402.D (-3266) (-)



#82

4-Chlorotoluene

Concen: 53.364 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058475.D

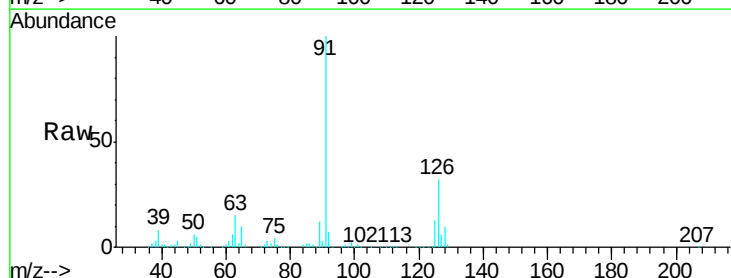
Acq: 2 Oct 2019 15:24

Tgt Ion: 91 Resp: 733654

Ion Ratio Lower Upper

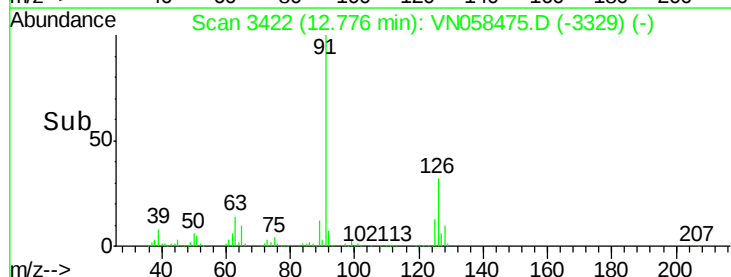
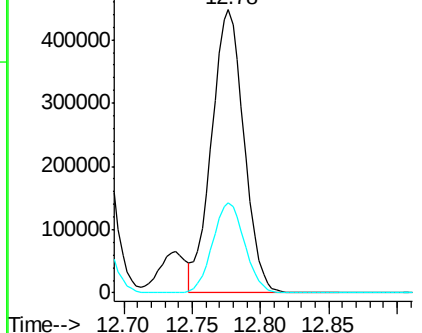
91 100

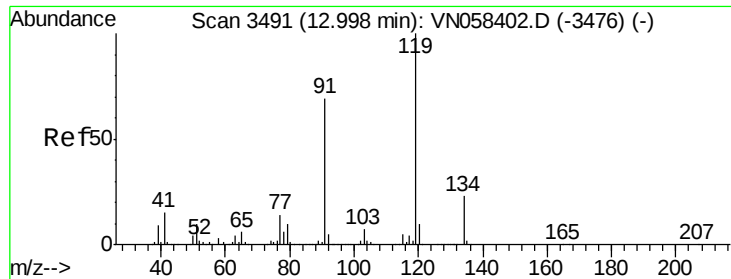
126 31.6 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3414) (-)

Ion 125.90 (125.60 to 126.60): VN058402.D (-3414) (-)

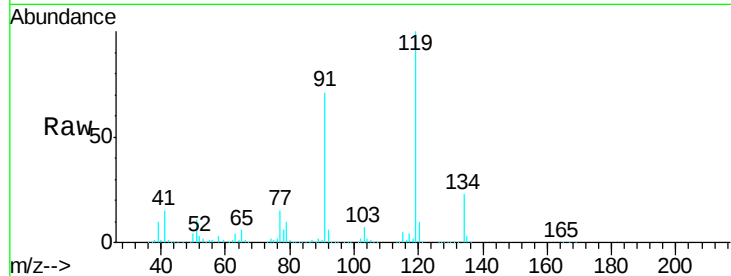




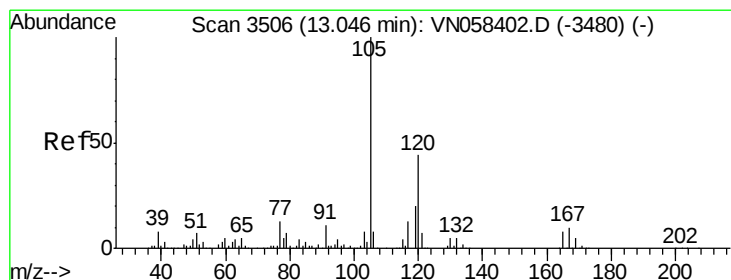
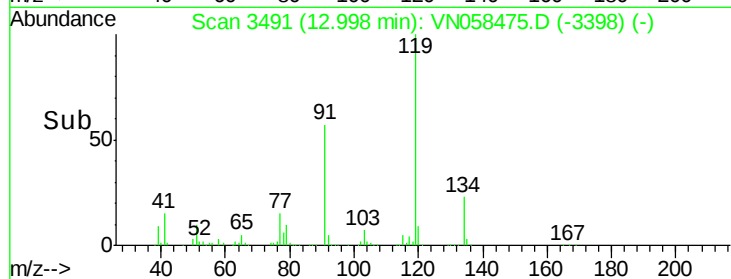
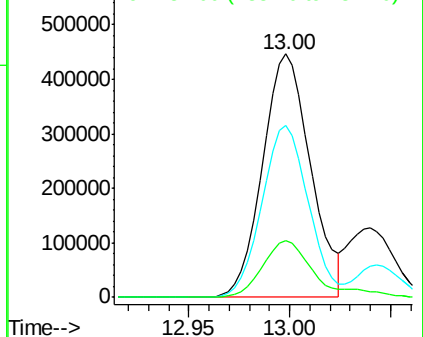
#83
 tert-Butylbenzene
 Concen: 54.049 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 739706
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.2 102.6
 134 25.3 11.6 34.8

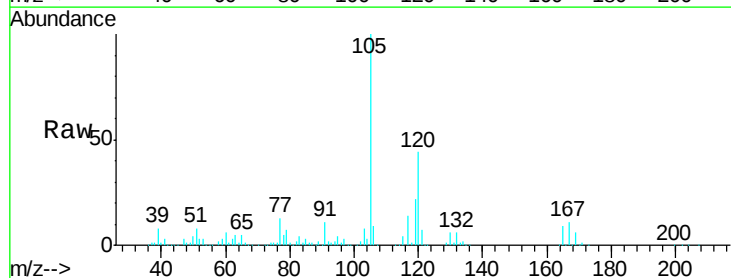


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

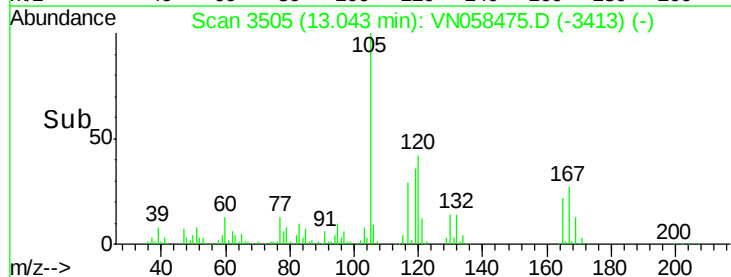
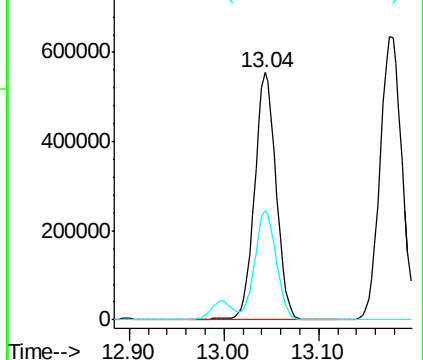


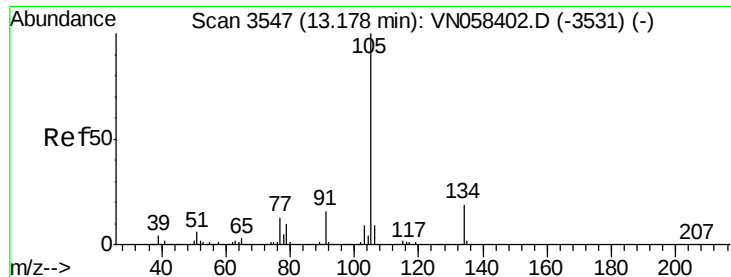
#84
 1,2,4-Trimethylbenzene
 Concen: 53.813 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion:105 Resp: 874456
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

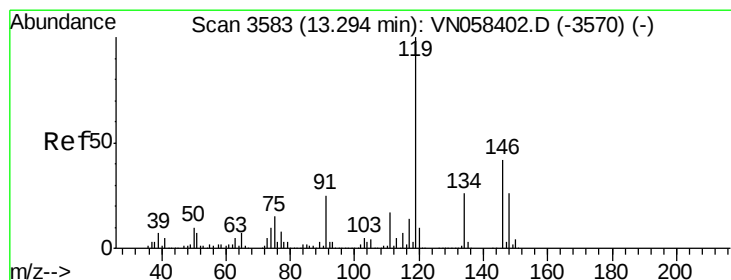
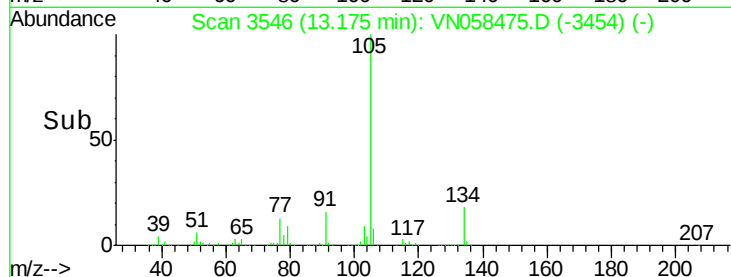
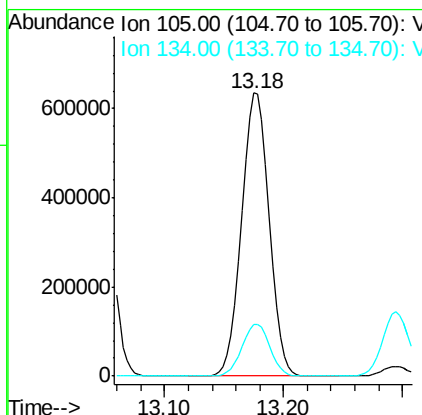
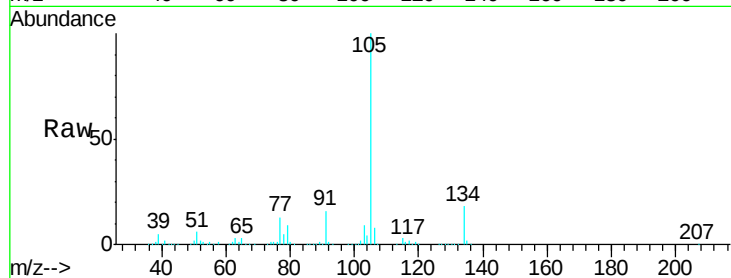




#85
 sec-Butylbenzene
 Concen: 56.549 ug/l
 RT: 13.18 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

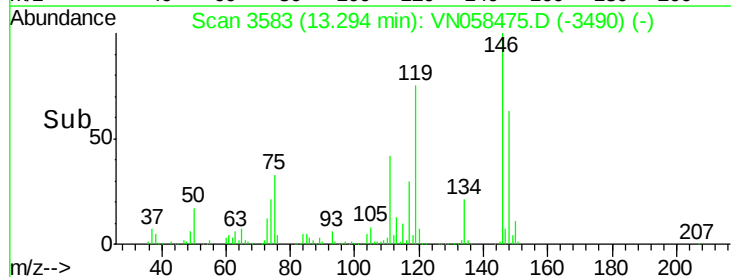
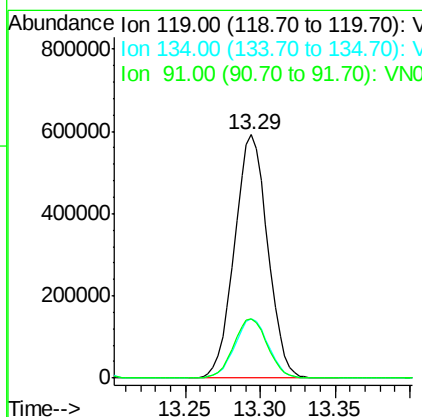
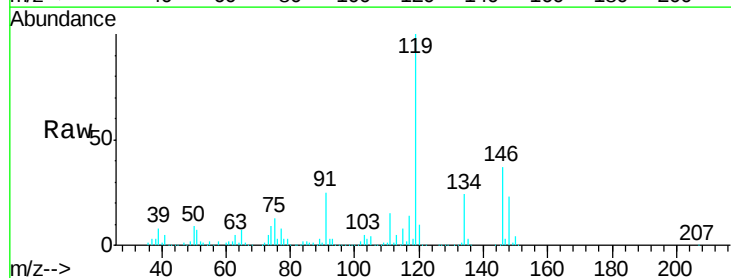
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

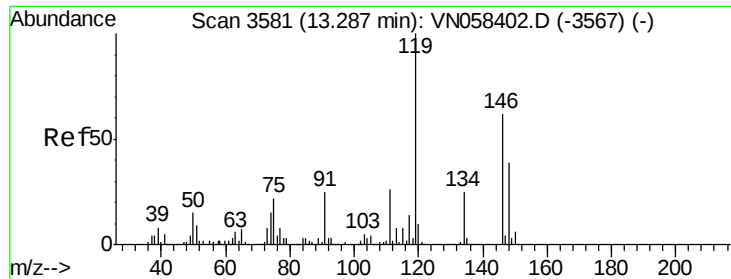
Tgt Ion:105 Resp: 1018632
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 57.504 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion:119 Resp: 911792
 Ion Ratio Lower Upper
 119 100
 134 24.7 13.0 39.0
 91 24.8 12.4 37.0

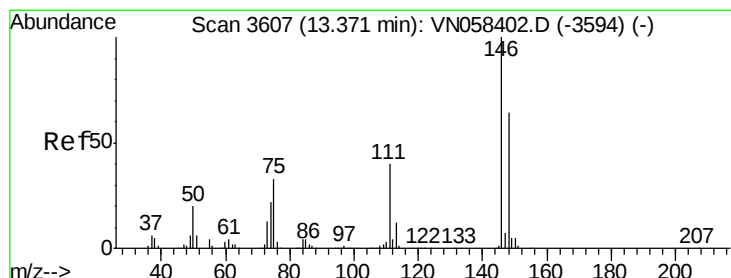
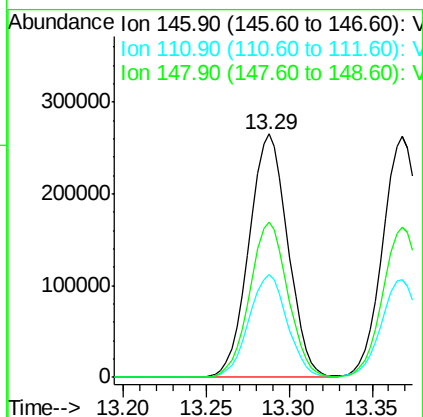
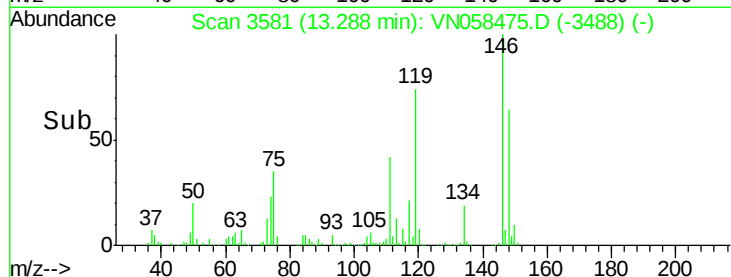
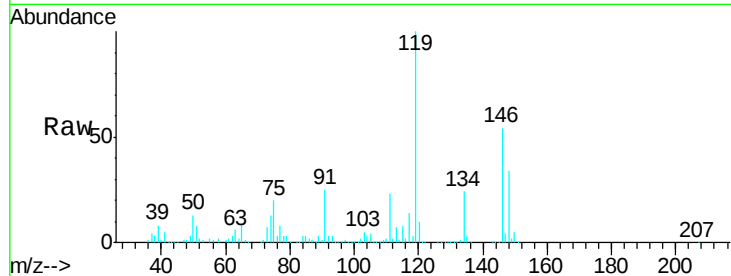




#87
 1,3-Dichlorobenzene
 Concen: 52.421 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

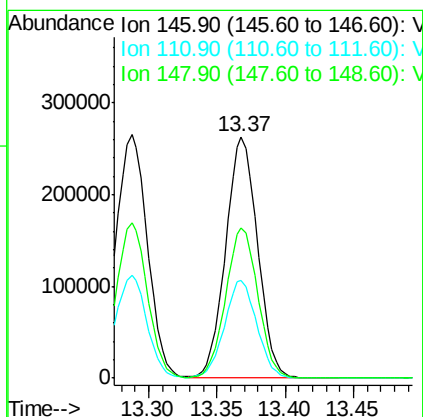
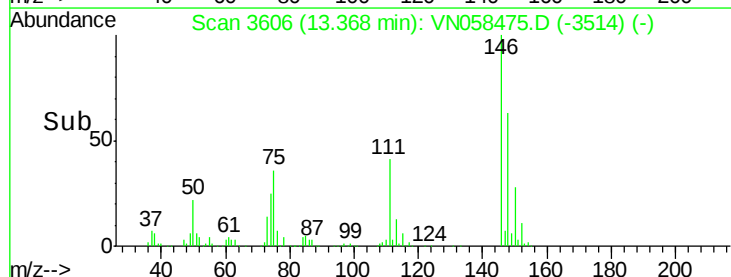
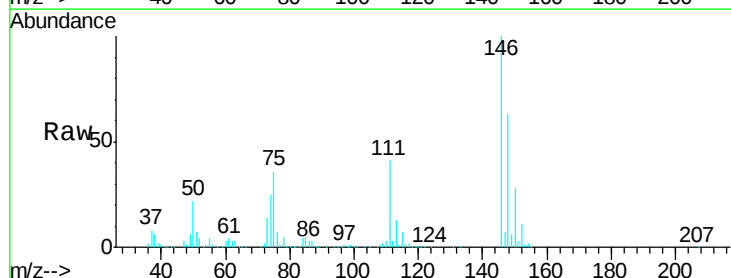
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

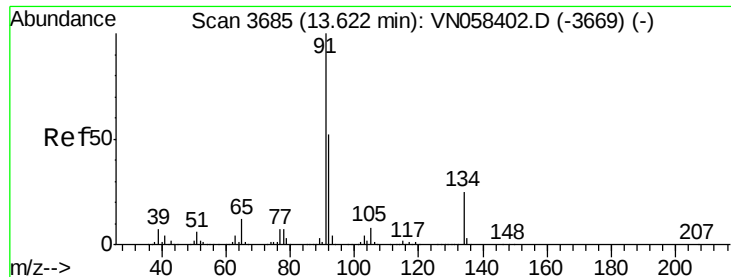
Tgt Ion:146 Resp: 431832
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.8 62.4
 148 62.5 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 51.866 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion:146 Resp: 425094
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.5 61.6
 148 63.1 31.5 94.5

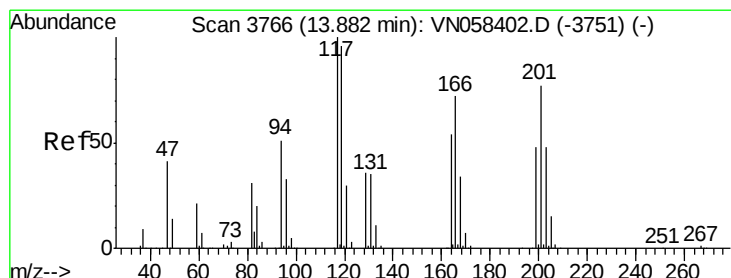
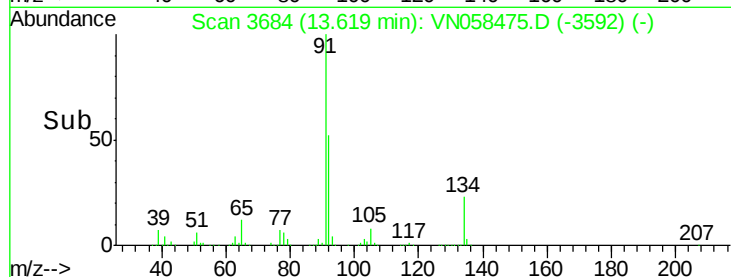
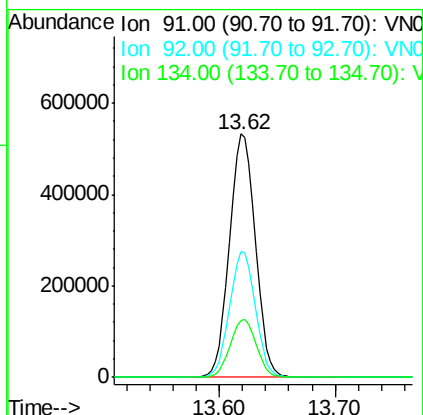
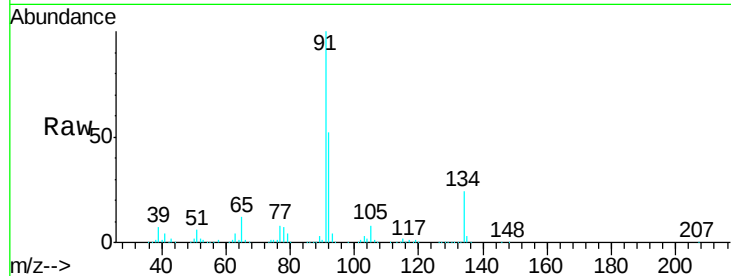




#89
n-Butylbenzene
Concen: 57.095 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

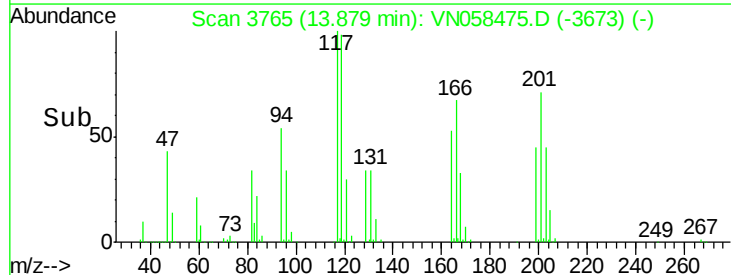
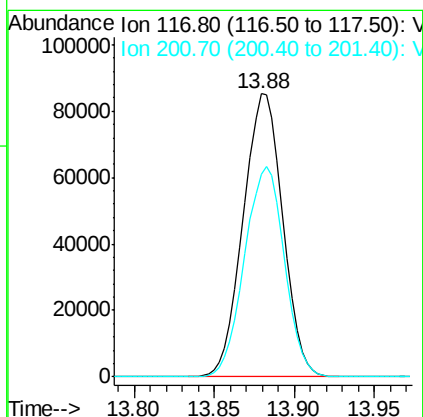
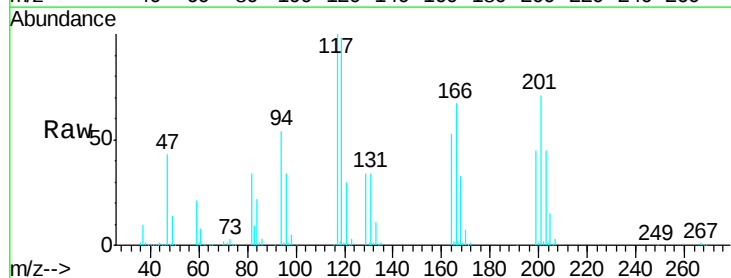
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

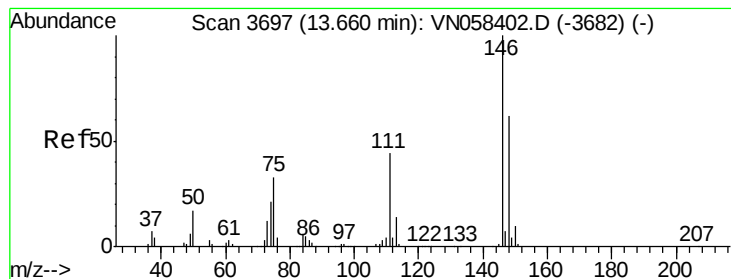
Tgt Ion: 91 Resp: 820060
Ion Ratio Lower Upper
91 100
92 51.3 25.7 77.1
134 23.7 12.2 36.6



#90
Hexachloroethane
Concen: 60.547 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion: 117 Resp: 144244
Ion Ratio Lower Upper
117 100
201 74.8 38.6 116.0





#91

1,2-Dichlorobenzene

Concen: 53.373 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

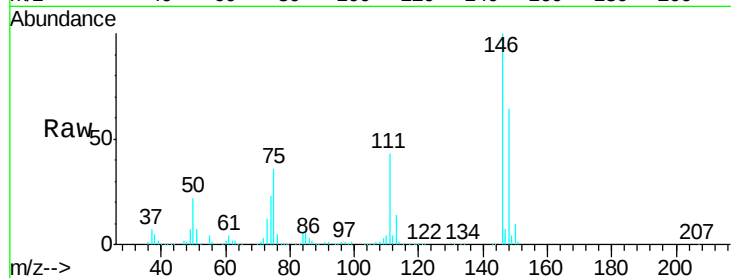
Tgt Ion: 146 Resp: 422456

Ion Ratio Lower Upper

146 100

111 43.6 21.8 65.3

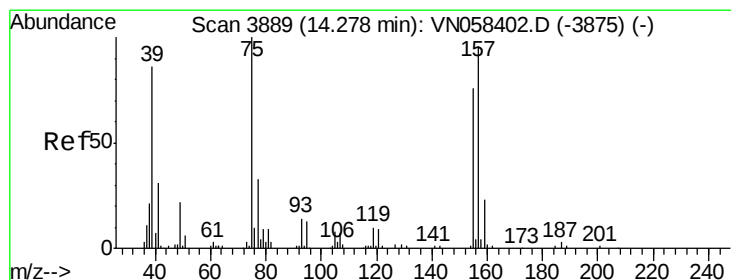
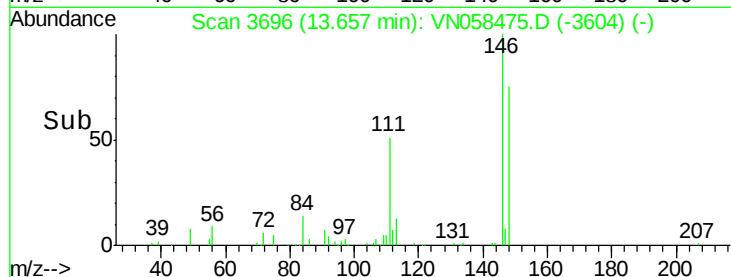
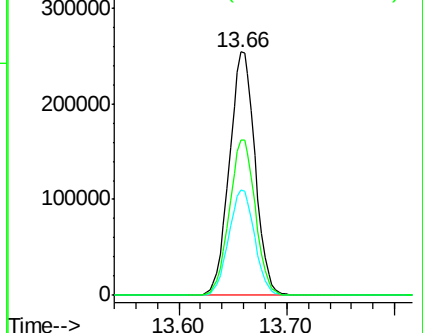
148 64.4 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 61.113 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058475.D

Acq: 2 Oct 2019 15:24

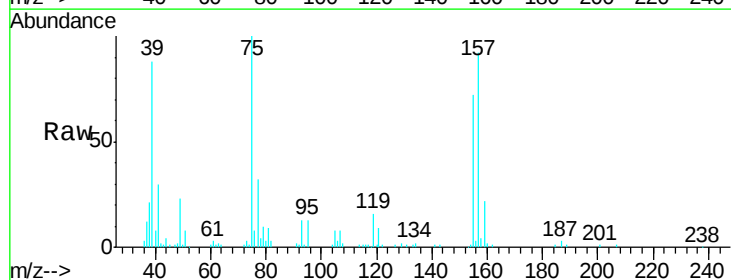
Tgt Ion: 75 Resp: 61744

Ion Ratio Lower Upper

75 100

155 73.0 39.2 117.6

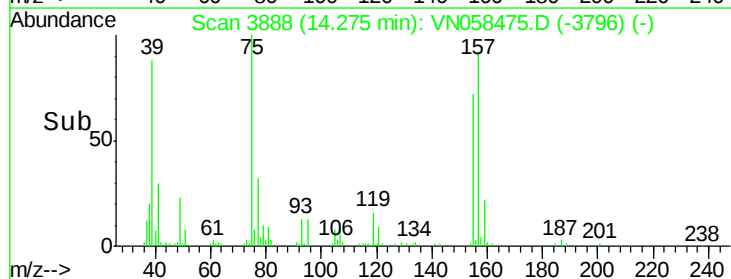
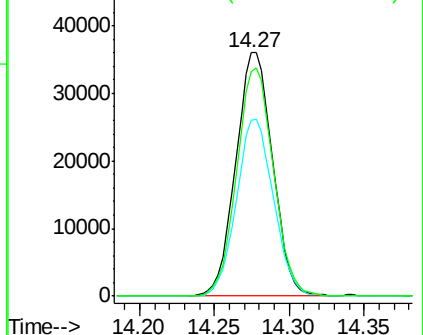
157 93.4 48.7 146.1

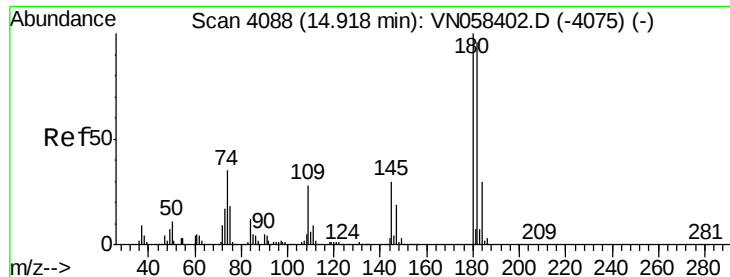


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

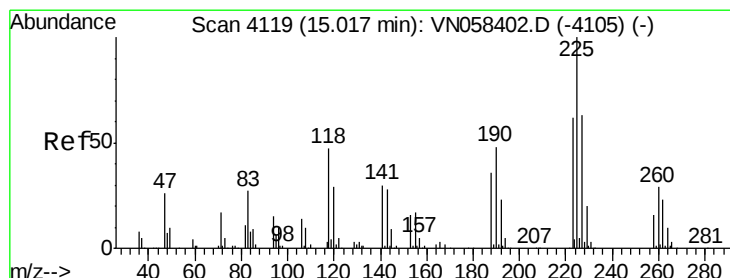
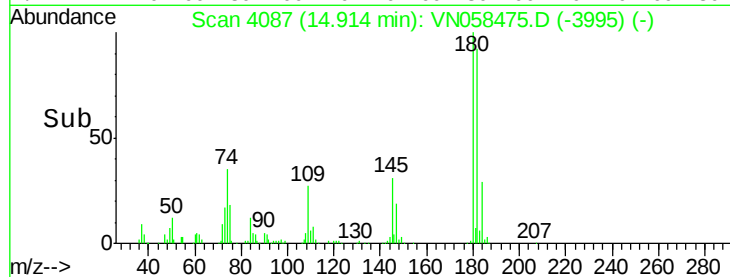
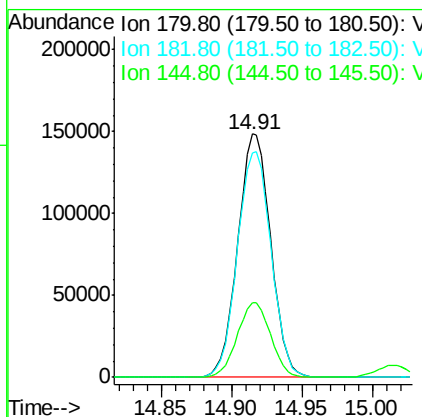
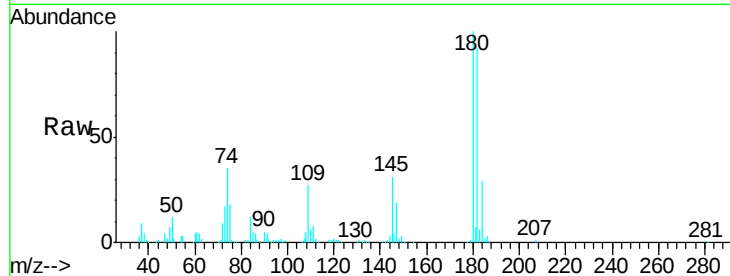




#93
 1,2,4-Trichlorobenzene
 Concen: 55.746 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

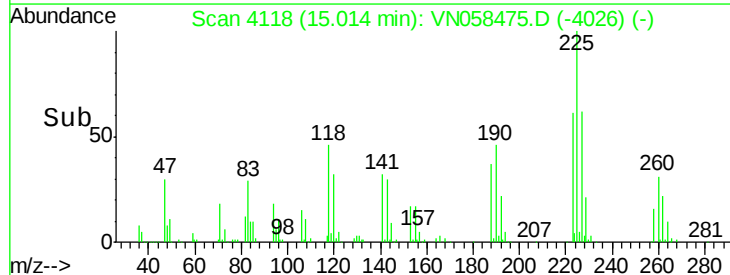
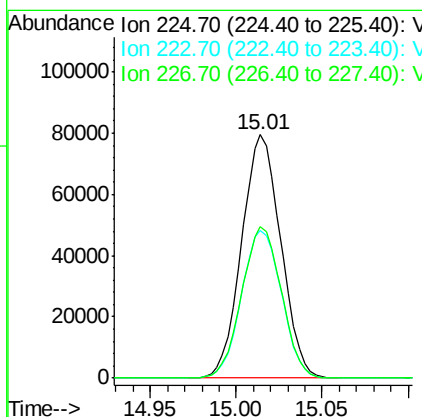
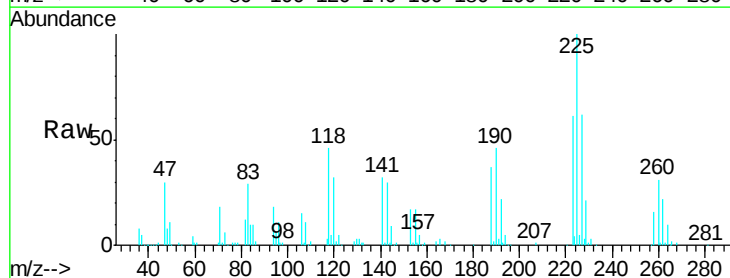
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

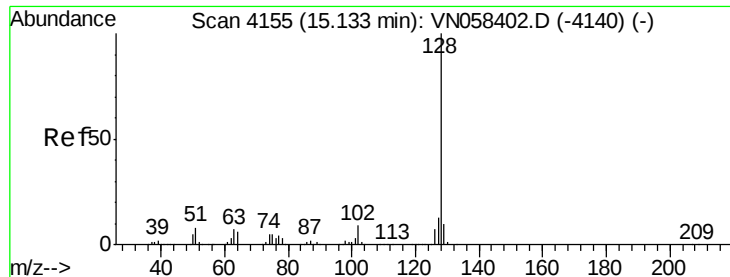
Tgt Ion:180 Resp: 243823
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.4 142.3
 145 31.1 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 55.974 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058475.D
 Acq: 2 Oct 2019 15:24

Tgt Ion:225 Resp: 125834
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.5
 227 63.0 31.4 94.2

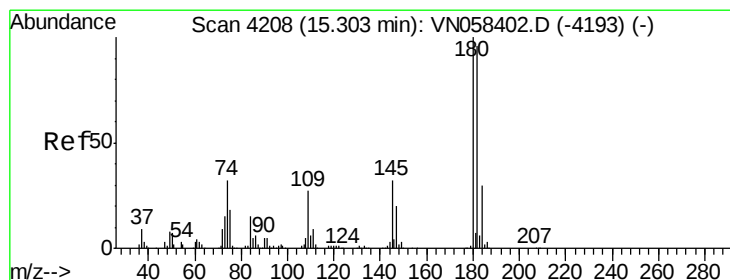
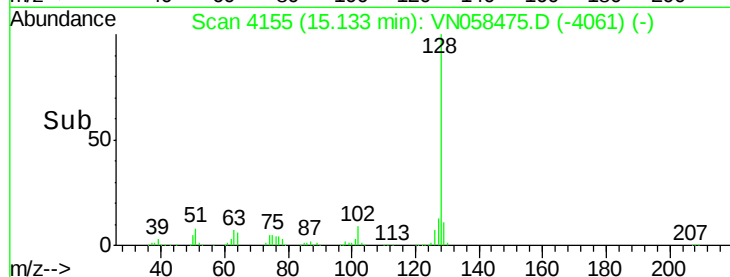
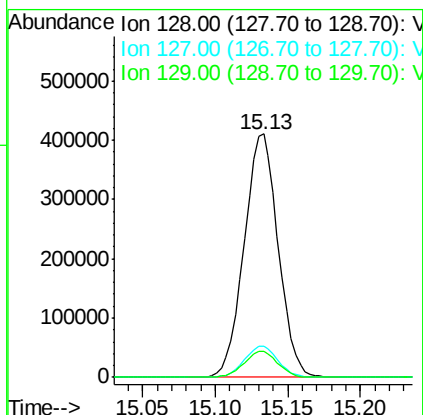
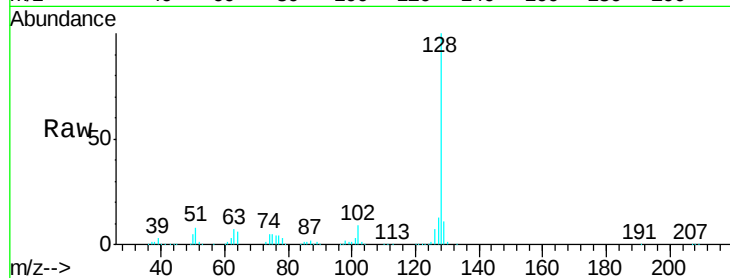




#95
Naphthalene
Concen: 52.341 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 670414
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.6 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 53.523 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058475.D
Acq: 2 Oct 2019 15:24

Tgt Ion:180 Resp: 234693
Ion Ratio Lower Upper
180 100
182 94.9 48.3 144.9
145 33.0 16.1 48.3

