

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056154.D
 Acq On : 8 Jun 2019 15:23
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 10 01:27:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	293346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	422063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	381829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174394	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	143735	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
35) Dibromofluoromethane	7.59	113	130174	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.09	98	492384	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	170039	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	156337	48.522	ug/l	100
3) Chloromethane	2.06	50	161033	50.641	ug/l	99
4) Vinyl Chloride	2.19	62	158384	49.655	ug/l	99
5) Bromomethane	2.53	94	96635	47.960	ug/l	100
6) Chloroethane	2.68	64	89895	48.608	ug/l	99
7) Trichlorofluoromethane	3.00	101	199196	48.918	ug/l	97
8) Diethyl Ether	3.40	74	79913	47.722	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	126885	51.296	ug/l	99
10) Methyl Iodide	3.94	142	180436	45.902	ug/l	99
11) Tert butyl alcohol	4.82	59	133688	263.752	ug/l	99
12) 1,1-Dichloroethene	3.72	96	121627	49.390	ug/l	97
13) Acrolein	3.60	56	38143	260.923	ug/l	98
14) Allyl chloride	4.31	41	195904	50.380	ug/l	98
15) Acrylonitrile	4.99	53	352290	285.518	ug/l	99
16) Acetone	3.82	43	438580	314.836	ug/l	98
17) Carbon Disulfide	4.04	76	255500	43.332	ug/l	99
18) Methyl Acetate	4.33	43	158777	58.119	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	402248	51.244	ug/l	99
20) Methylene Chloride	4.55	84	143357	49.950	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	131446	49.817	ug/l	98
22) Diisopropyl ether	5.95	45	413453	51.436	ug/l	98
23) Vinyl Acetate	5.90	43	1718768	271.522	ug/l	100
24) 1,1-Dichloroethane	5.84	63	235634	50.819	ug/l	100
25) 2-Butanone	6.84	43	540551	307.120	ug/l	99
26) 2,2-Dichloropropane	6.82	77	171882	47.506	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	155070	49.997	ug/l	98
28) Bromochloromethane	7.19	49	113704	51.855	ug/l	99
29) Tetrahydrofuran	7.22	42	302290	277.848	ug/l	99
30) Chloroform	7.37	83	239953	51.443	ug/l	100
31) Cyclohexane	7.65	56	215355	46.595	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	197184	50.624	ug/l	99
36) 1,1-Dichloropropene	7.79	75	174354	48.043	ug/l	99
37) Ethyl Acetate	6.93	43	183953	56.968	ug/l	99
38) Carbon Tetrachloride	7.77	117	162007	48.420	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	219104	48.465	ug/l	99
40) Benzene	8.04	78	557870	50.612	ug/l	100
41) Methacrylonitrile	7.18	41	88048	59.264	ug/l	98
42) 1,2-Dichloroethane	8.12	62	177371	50.026	ug/l	100
43) Isopropyl Acetate	8.17	43	281178	53.736	ug/l #	93
44) Trichloroethene	8.83	130	156045	49.267	ug/l	99
45) 1,2-Dichloropropane	9.12	63	149204	52.847	ug/l	99
46) Dibromomethane	9.21	93	96416	52.222	ug/l	99
47) Bromodichloromethane	9.40	83	172760	51.629	ug/l	98
48) Methyl methacrylate	9.20	41	140721	54.971	ug/l	97
49) 1,4-Dioxane	9.20	88	60778	1099.736	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	913070	279.038	ug/l	99
52) Toluene	10.16	92	352083	51.332	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	180562	46.215	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	215229	53.511	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	143959	52.986	ug/l	98
56) Ethyl methacrylate	10.43	69	216401	54.596	ug/l	99
57) 1,3-Dichloropropane	10.71	76	234666	53.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	376478	240.181	ug/l	100
59) 2-Hexanone	10.75	43	687587	289.923	ug/l	99
60) Dibromochloromethane	10.90	129	140790	47.133	ug/l	100
61) 1,2-Dibromoethane	11.00	107	148158	53.342	ug/l	98
64) Tetrachloroethene	10.63	164	157247	47.576	ug/l	98
65) Chlorobenzene	11.43	112	377691	49.702	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	135571	51.668	ug/l	100
67) Ethyl Benzene	11.51	91	658589	49.841	ug/l	100
68) m/p-Xylenes	11.62	106	507912	100.621	ug/l	99
69) o-Xylene	11.95	106	248981	50.144	ug/l	98
70) Styrene	11.96	104	414299	52.515	ug/l	99
71) Bromoform	12.13	173	101041	46.094	ug/l #	100
73) Isopropylbenzene	12.25	105	656425	52.949	ug/l	100
74) N-amyl acetate	12.07	43	233017	50.125	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	204201	50.439	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	234526	73.085	ug/l #	100
77) Bromobenzene	12.53	156	179294	48.020	ug/l	96
78) n-propylbenzene	12.59	91	704057	47.721	ug/l	99
79) 2-Chlorotoluene	12.67	91	430078	52.680	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	540534	46.099	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48427	50.257	ug/l	88
82) 4-Chlorotoluene	12.77	91	417388	48.356	ug/l	99
83) tert-Butylbenzene	12.99	119	478816	52.782	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	535705	48.178	ug/l	100
85) sec-Butylbenzene	13.17	105	615045	47.073	ug/l	99
86) p-Isopropyltoluene	13.29	119	560699	47.950	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	286656	49.605	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	273923	49.276	ug/l	99
89) n-Butylbenzene	13.61	91	423343	48.872	ug/l	100
90) Hexachloroethane	13.87	117	84488	47.910	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	284128	48.700	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30359	52.429	ug/l	95

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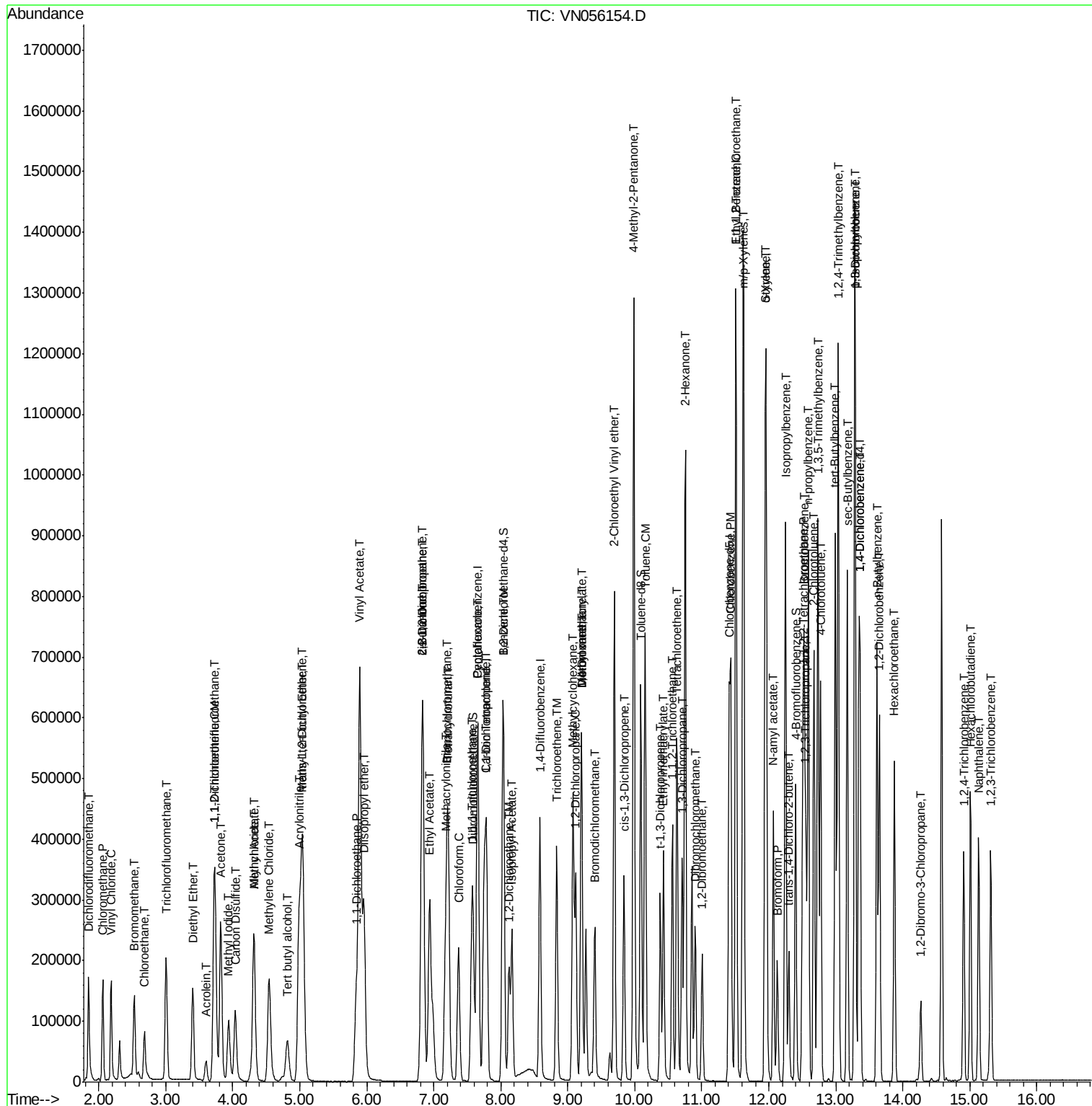
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138020	43.533	ug/l	99
94) Hexachlorobutadiene	15.01	225	106828	53.534	ug/l	99
95) Naphthalene	15.13	128	365239	44.265	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	151256	46.396	ug/l	100

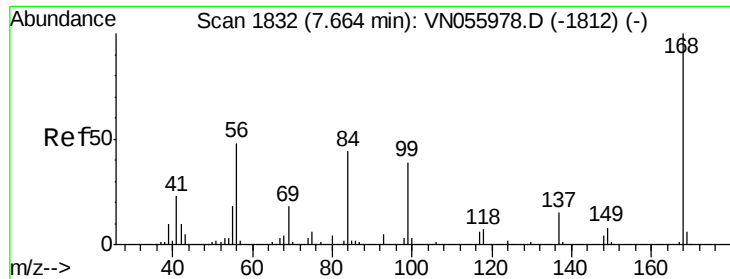
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

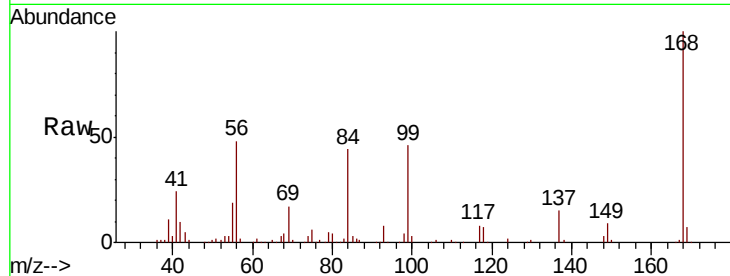
VSTDCCC050EC

Tot Ion:168 Resp: 293346

Ion Ratio Lower Upper

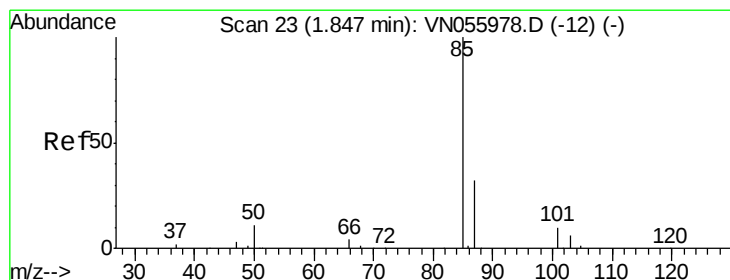
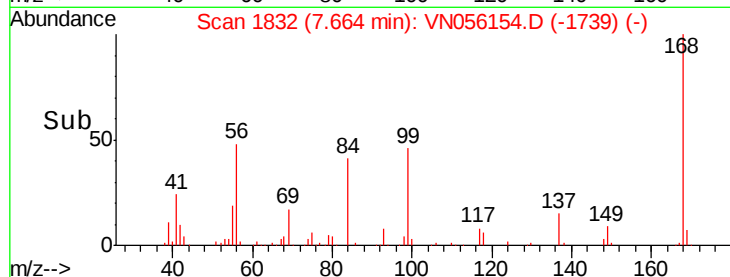
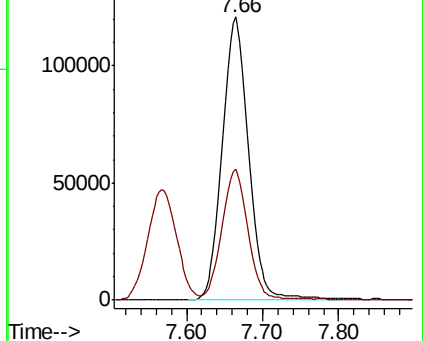
168 100

99 45.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.522 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056154.D

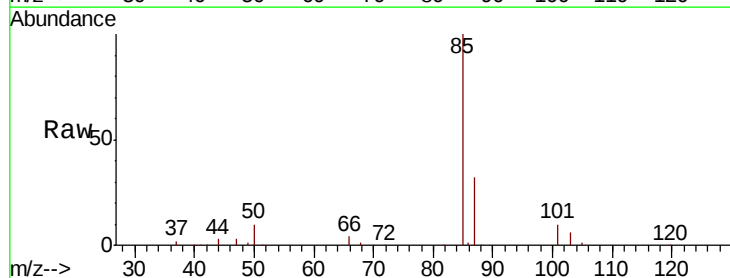
Acq: 8 Jun 2019 15:23

Tgt Ion: 85 Resp: 156337

Ion Ratio Lower Upper

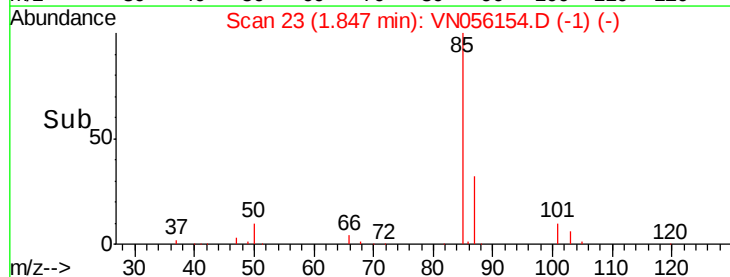
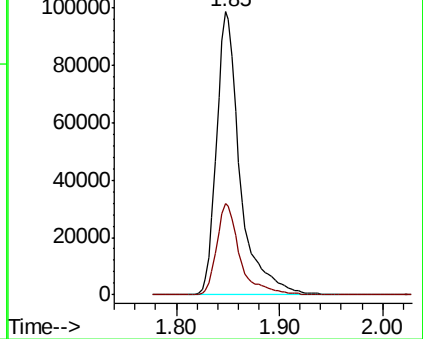
85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.641 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

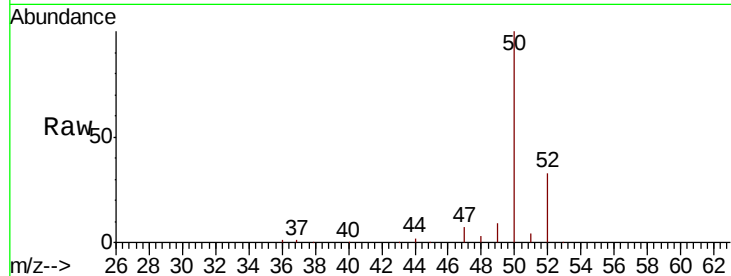
VSTDCCC050EC

Tot Ion: 50 Resp: 161033

Ion Ratio Lower Upper

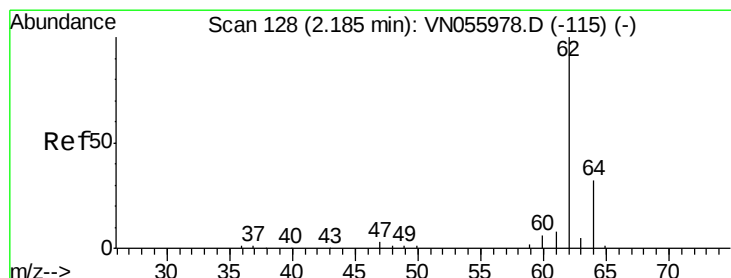
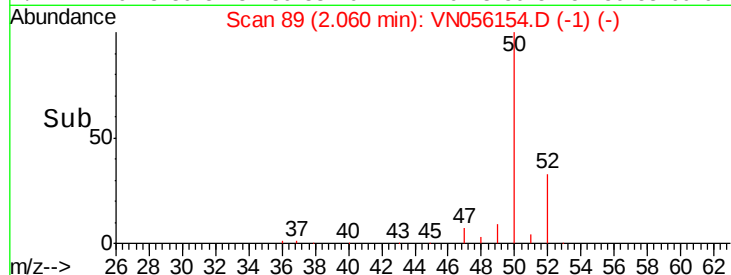
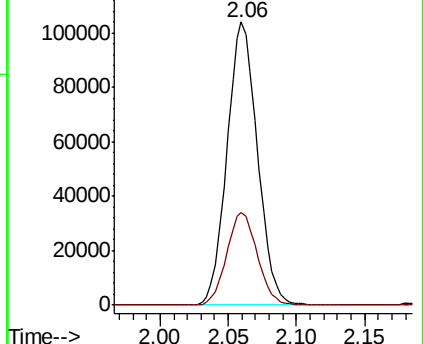
50 100

52 32.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 49.655 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056154.D

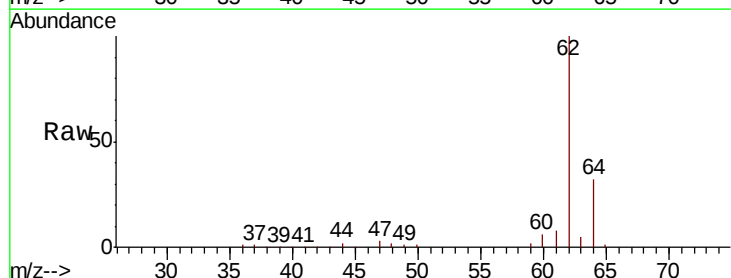
Acq: 8 Jun 2019 15:23

Tgt Ion: 62 Resp: 158384

Ion Ratio Lower Upper

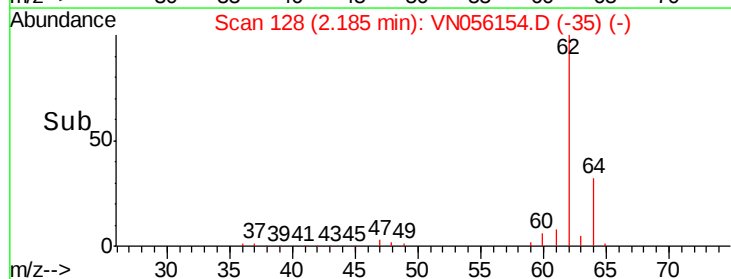
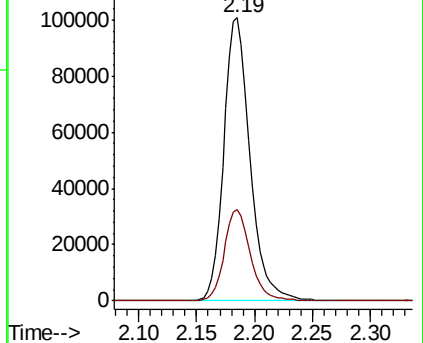
62 100

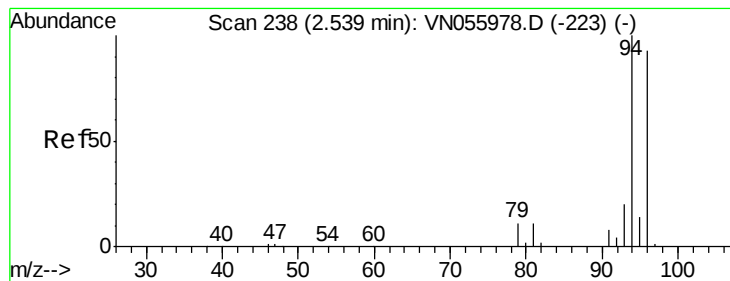
64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.960 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

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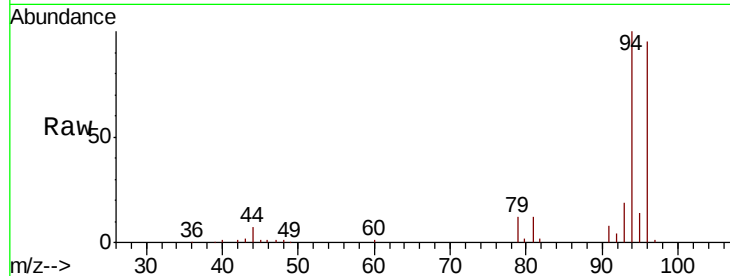
VSTDCCC050EC

Tot Ion: 94 Resp: 96635

Ion Ratio Lower Upper

94 100

96 94.7 75.5 113.3

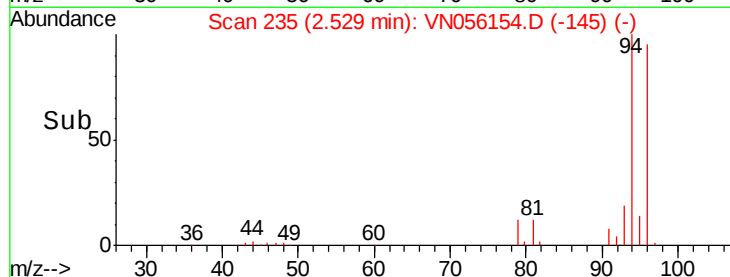


Abundance Ion 93.90 (93.60 to 94.60): VN055978.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN055978.D (-223) (-)

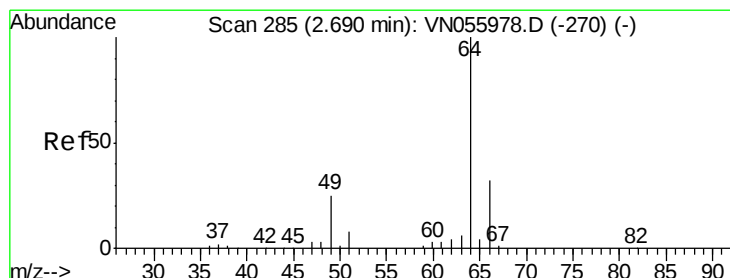
2.53

2.45 2.50 2.55 2.60



2.53

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 48.608 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056154.D

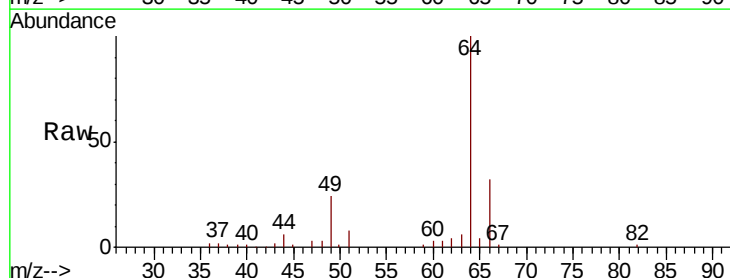
Acq: 8 Jun 2019 15:23

Tgt Ion: 64 Resp: 89895

Ion Ratio Lower Upper

64 100

66 32.3 25.4 38.0

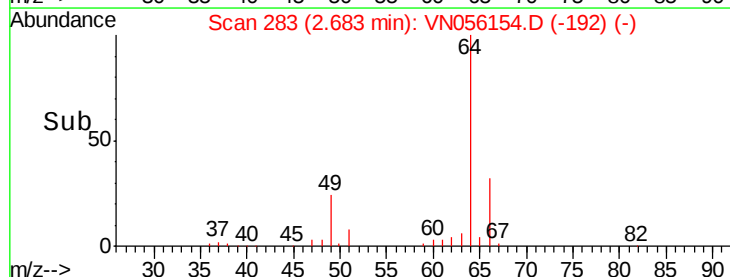


Abundance Ion 63.90 (63.60 to 64.60): VN055978.D (-270) (-)

Ion 65.90 (65.60 to 66.60): VN055978.D (-270) (-)

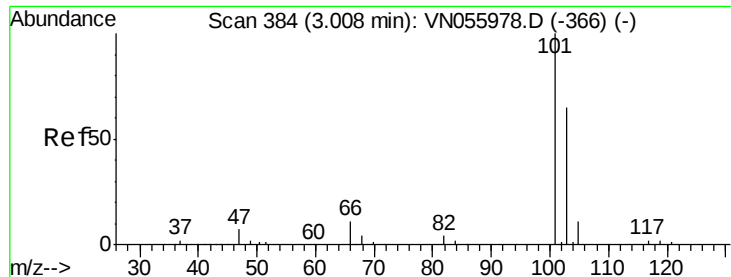
2.68

2.60 2.70 2.80



2.68

2.60 2.70 2.80

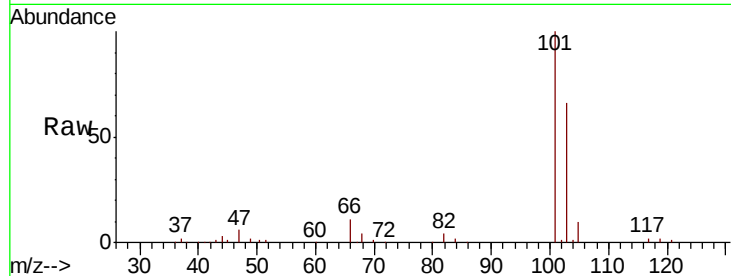


#7

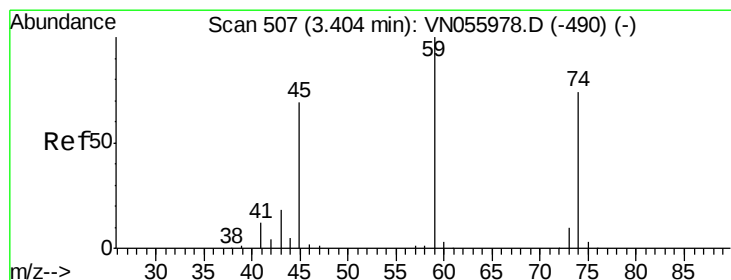
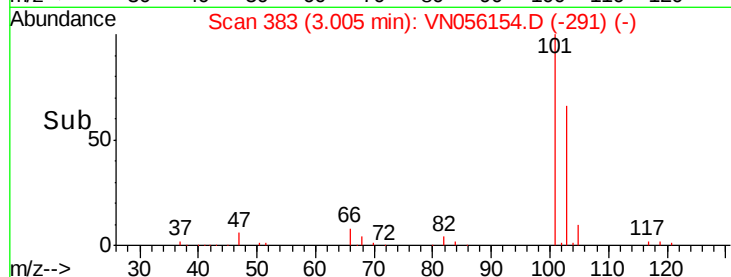
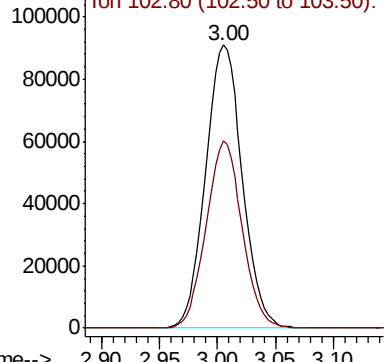
Trichlorofluoromethane
Concen: 48.918 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
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Tot Ion:101 Resp: 199196
Ion Ratio Lower Upper
101 100
103 66.0 51.2 76.8



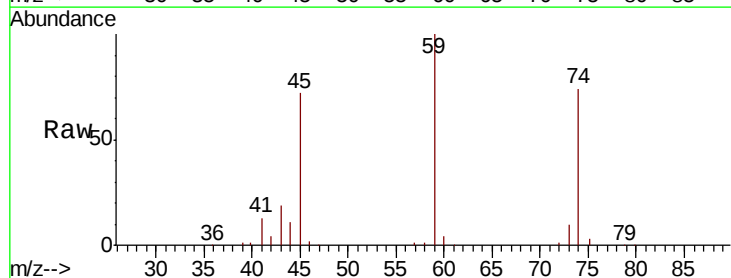
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



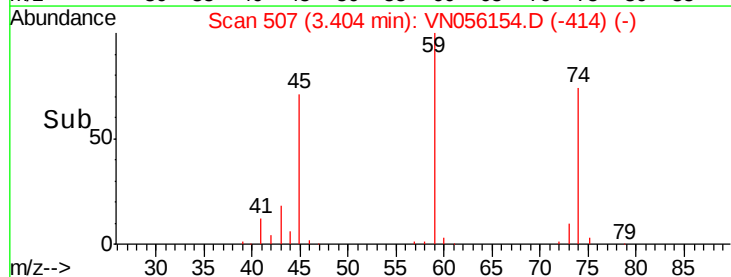
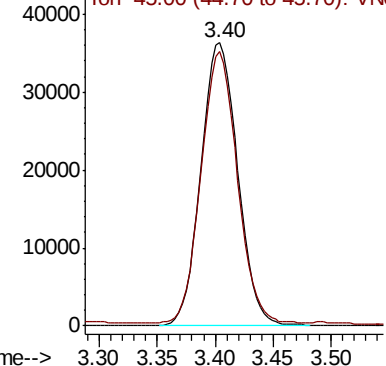
#8

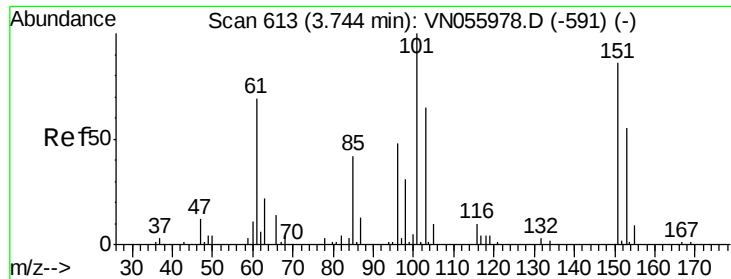
Diethyl Ether
Concen: 47.722 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056154.D
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Tgt Ion: 74 Resp: 79913
Ion Ratio Lower Upper
74 100
45 93.6 48.6 145.9



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

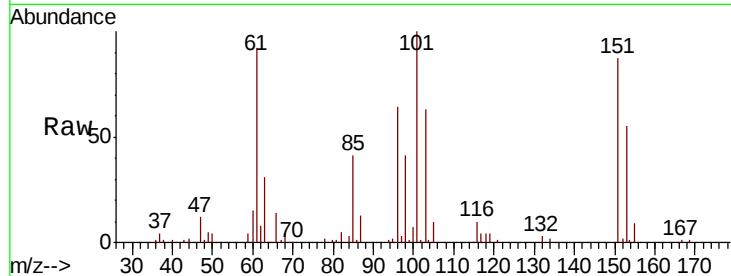




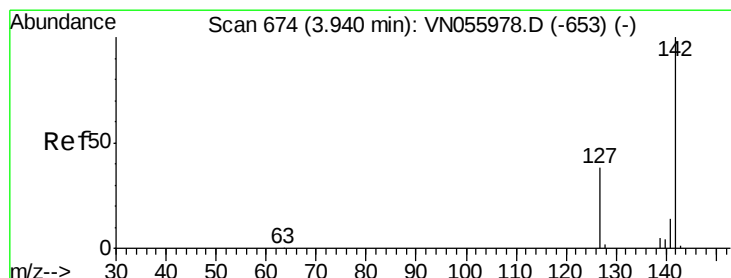
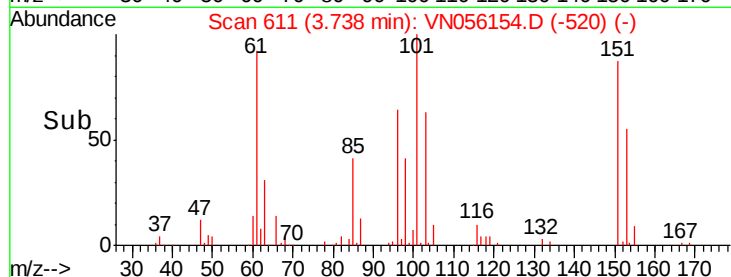
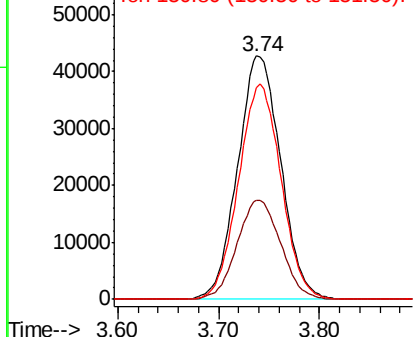
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.296 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 126885
 Ion Ratio Lower Upper
 101 100
 85 40.9 33.4 50.2
 151 87.4 69.4 104.2

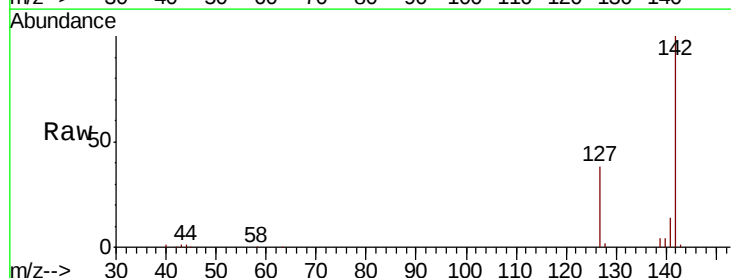


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

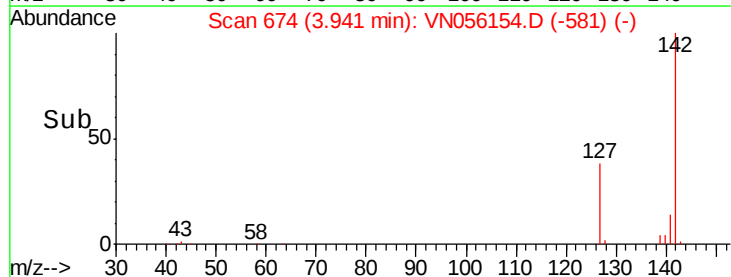
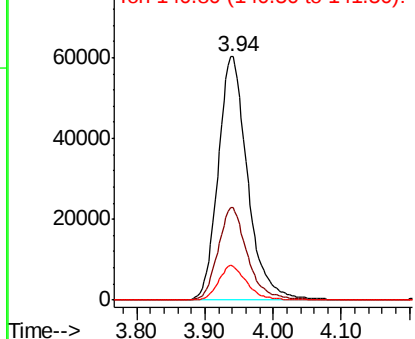


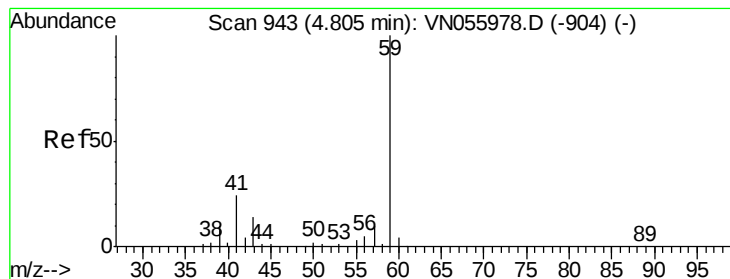
#10
 Methyl Iodide
 Concen: 45.902 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion:142 Resp: 180436
 Ion Ratio Lower Upper
 142 100
 127 37.8 31.0 46.4
 141 13.6 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



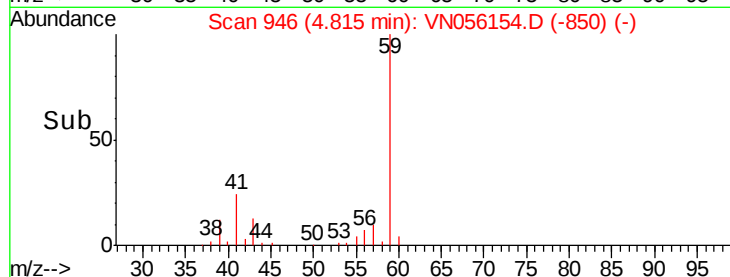
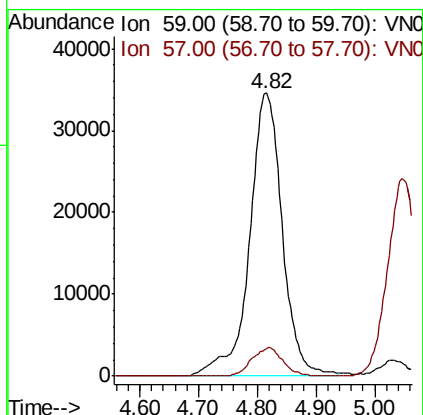
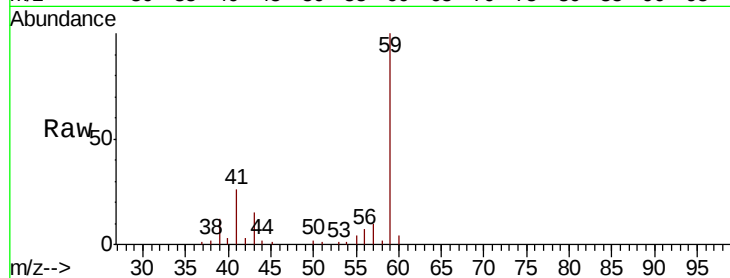


#11

Tert butyl alcohol
 Concen: 263.752 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

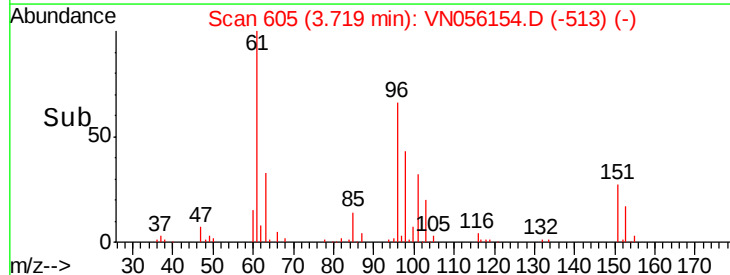
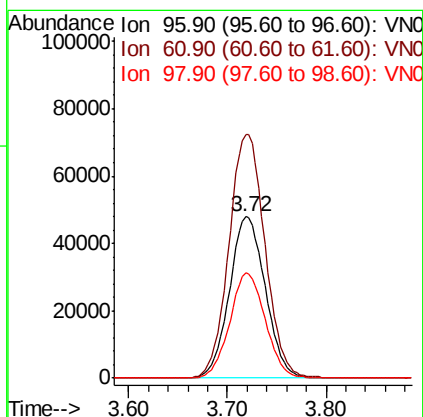
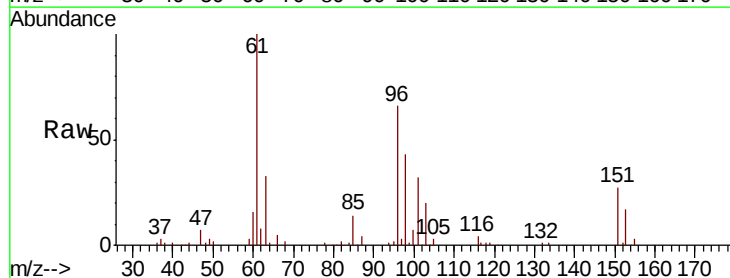
Tot Ion: 59 Resp: 133688
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.8 11.6

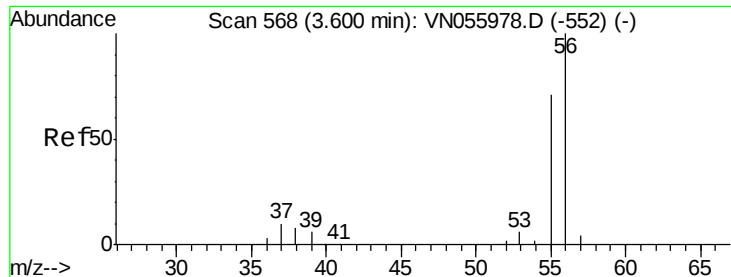


#12

1,1-Dichloroethene
 Concen: 49.390 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion: 96 Resp: 121627
 Ion Ratio Lower Upper
 96 100
 61 151.1 123.2 184.8
 98 65.6 50.4 75.6





#13

Acrolein

Concen: 260.923 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

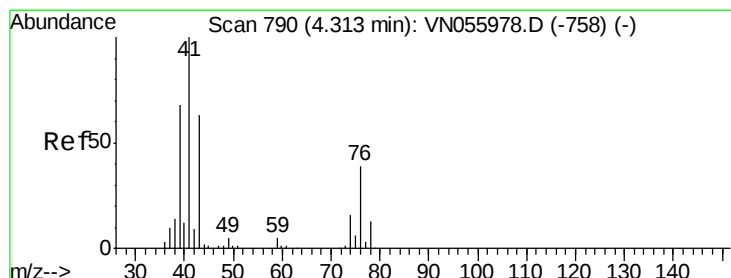
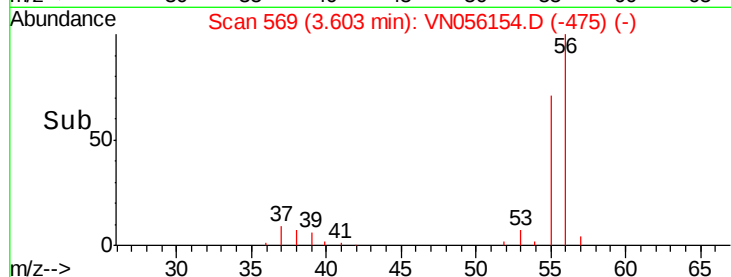
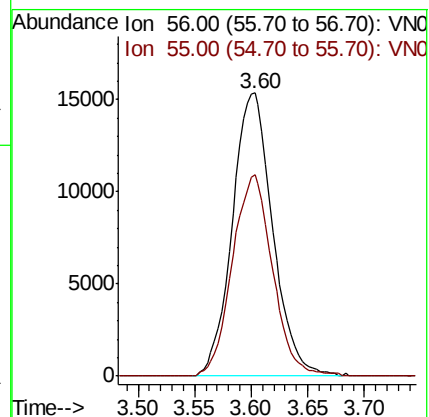
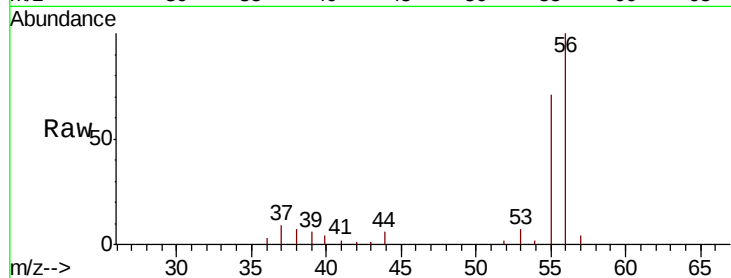
VSTDCCC050EC

Tot Ion: 56 Resp: 38143

Ion Ratio Lower Upper

56 100

55 71.0 55.4 83.2



#14

Allyl chloride

Concen: 50.380 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

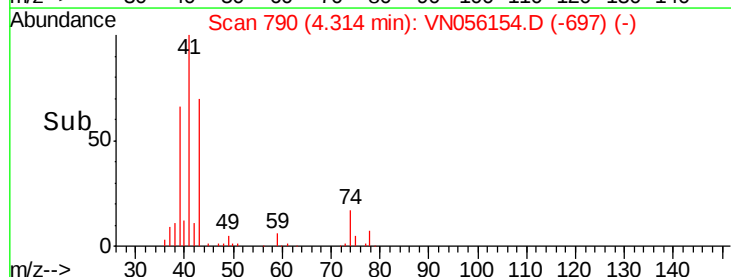
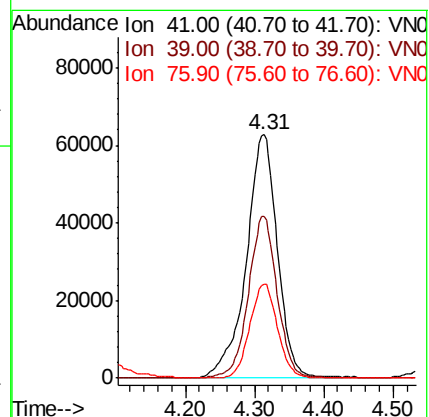
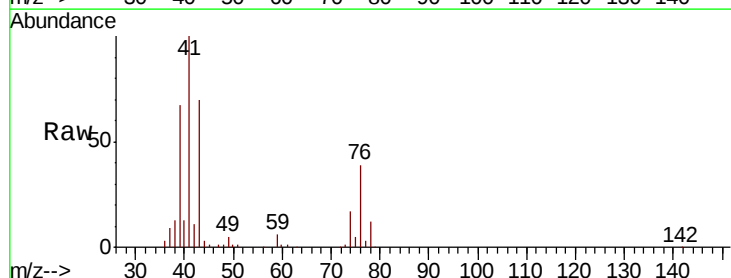
Tgt Ion: 41 Resp: 195904

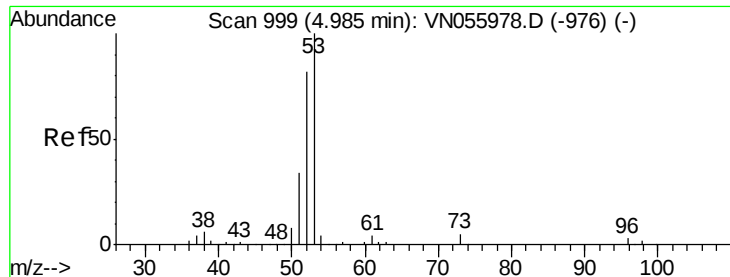
Ion Ratio Lower Upper

41 100

39 61.4 50.0 75.0

76 34.2 28.2 42.2





#15

Acrylonitrile

Concen: 285.518 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

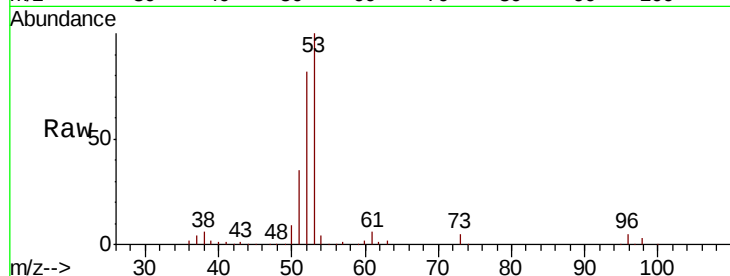
Tot Ion: 53 Resp: 352290

Ion Ratio Lower Upper

53 100

52 81.4 65.8 98.8

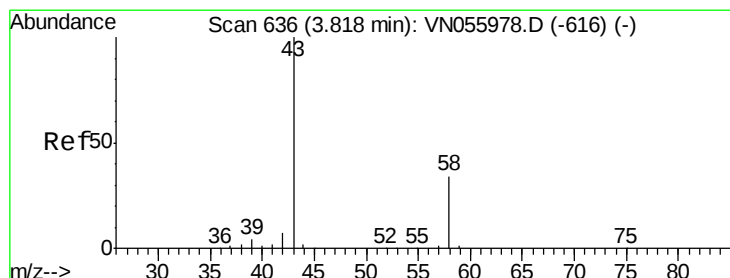
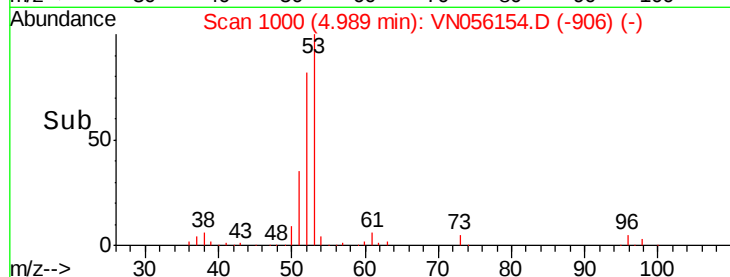
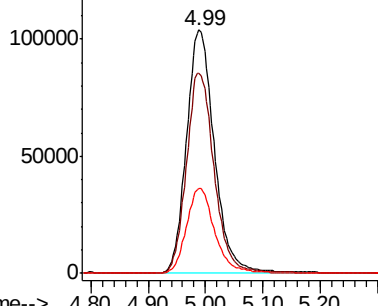
51 35.5 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055978.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055978.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055978.D (-976) (-)



#16

Acetone

Concen: 314.836 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056154.D

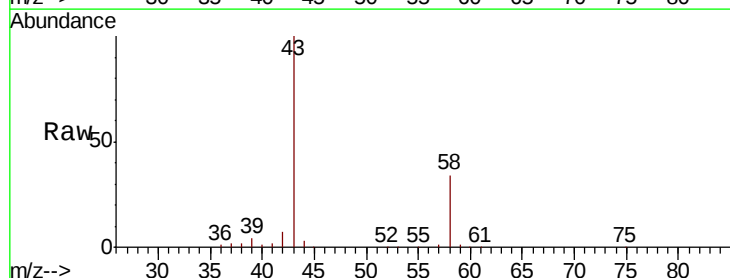
Acq: 8 Jun 2019 15:23

Tgt Ion: 43 Resp: 438580

Ion Ratio Lower Upper

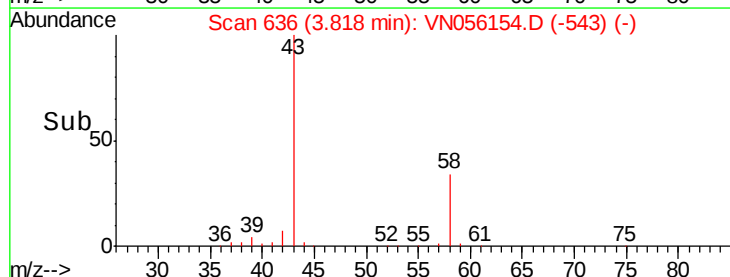
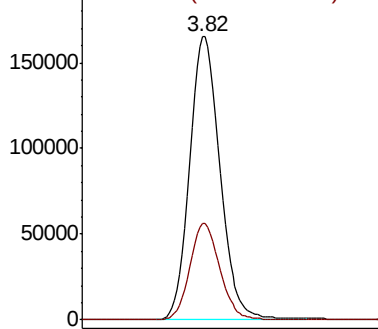
43 100

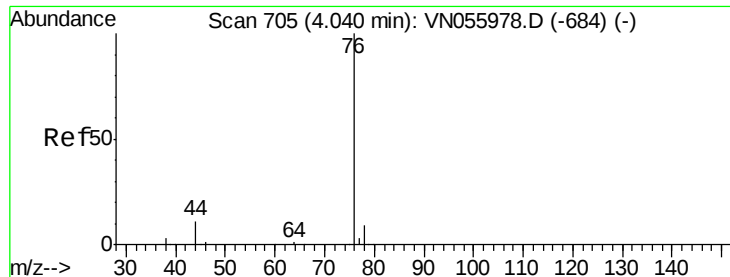
58 34.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)

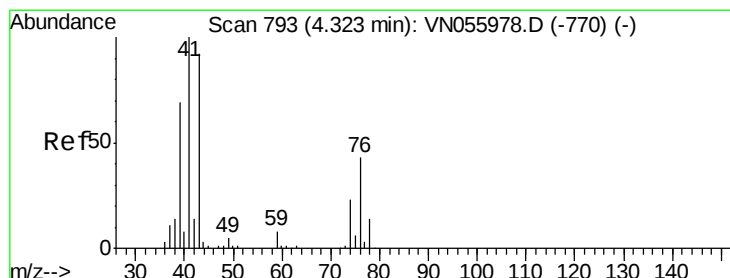
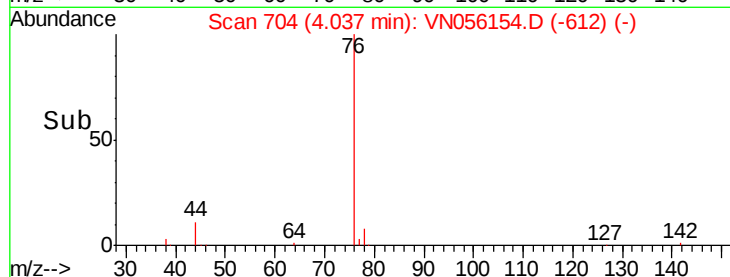
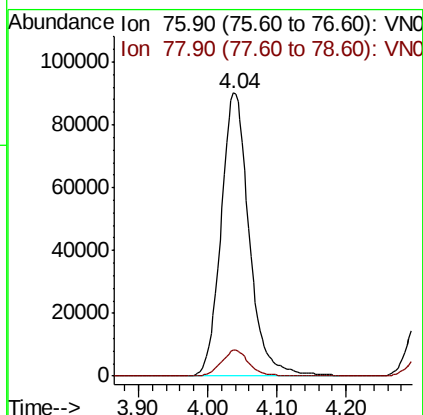
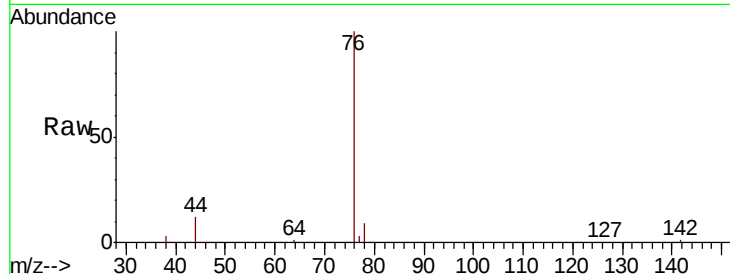




#17
Carbon Disulfide
Concen: 43.332 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

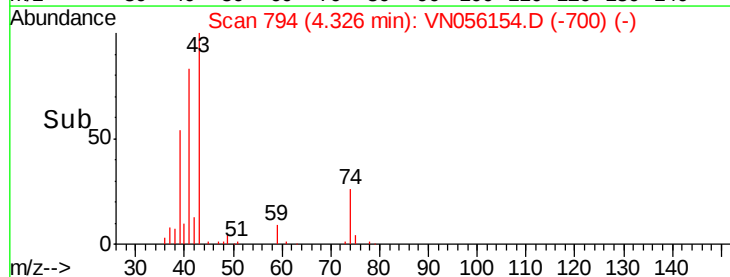
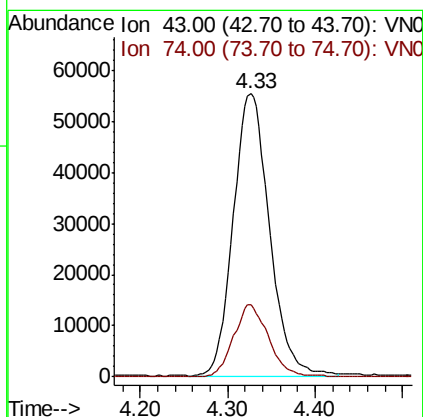
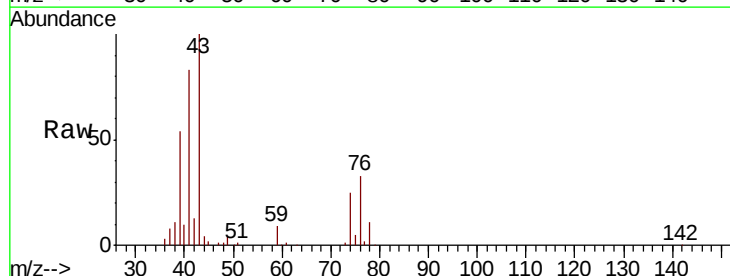
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 255500
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 58.119 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 43 Resp: 158777
Ion Ratio Lower Upper
43 100
74 24.6 19.3 28.9



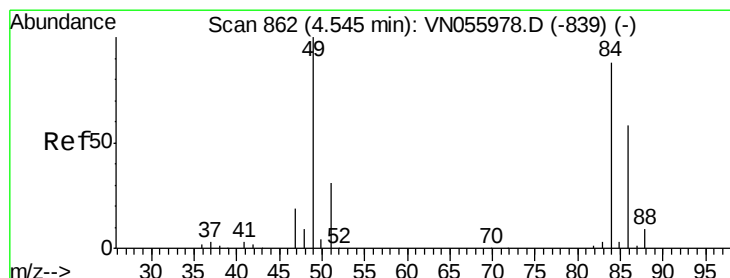
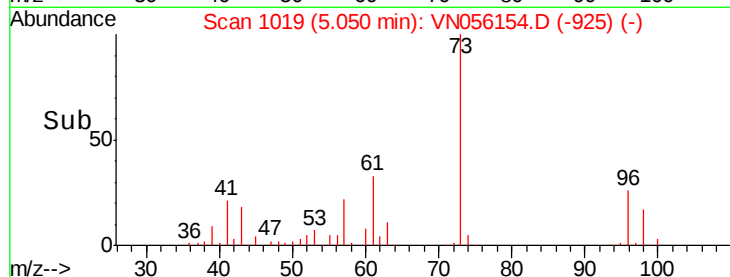
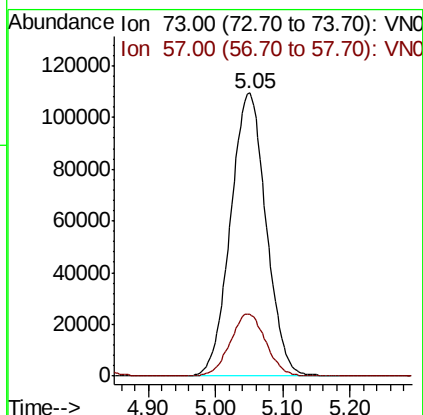
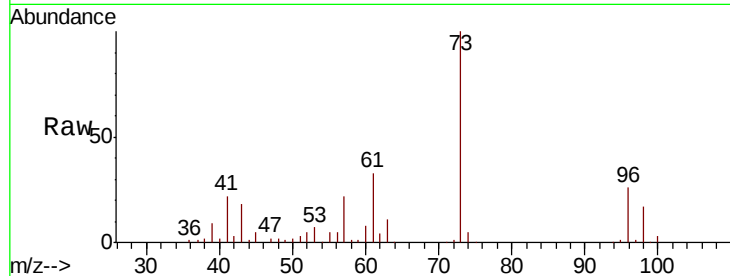


#19

Methyl tert-butyl Ether
 Concen: 51.244 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

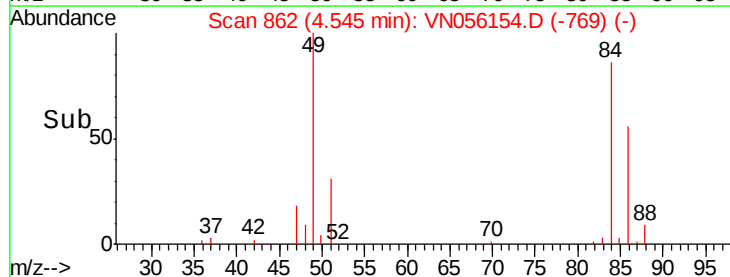
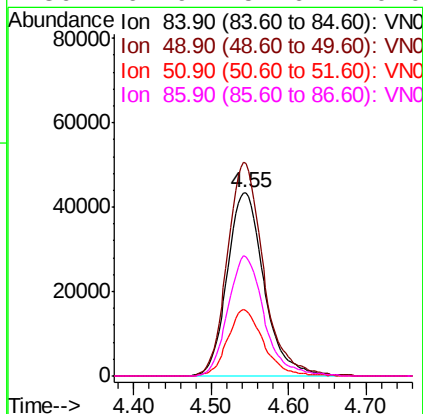
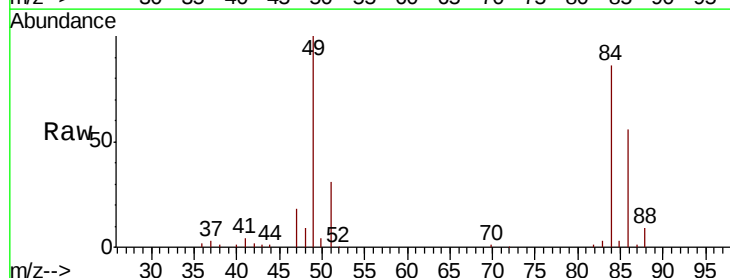
Tot Ion: 73 Resp: 402248
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.8 26.8

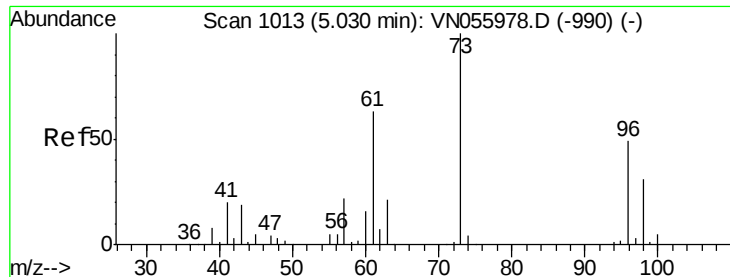


#20

Methylene Chloride
 Concen: 49.950 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion: 84 Resp: 143357
 Ion Ratio Lower Upper
 84 100
 49 115.8 93.5 140.3
 51 35.5 28.6 43.0
 86 64.9 52.6 79.0

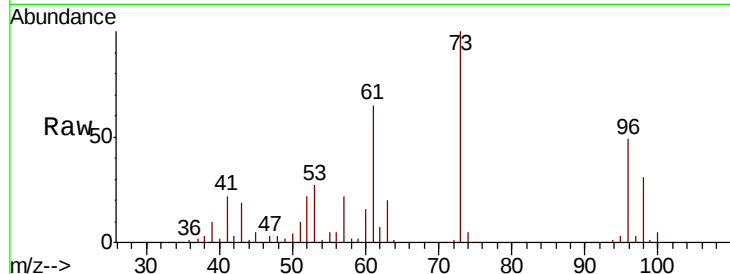




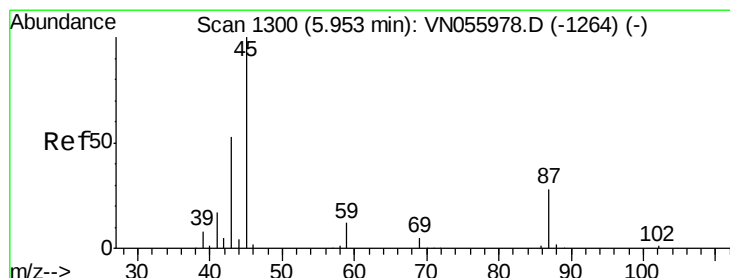
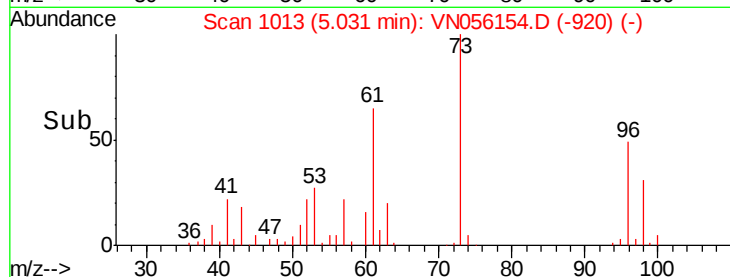
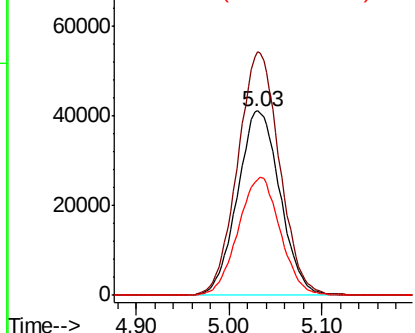
#21
trans-1,2-Dichloroethene
Concen: 49.817 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 131446
Ion Ratio Lower Upper
96 100
61 131.9 107.8 161.8
98 62.7 49.8 74.8

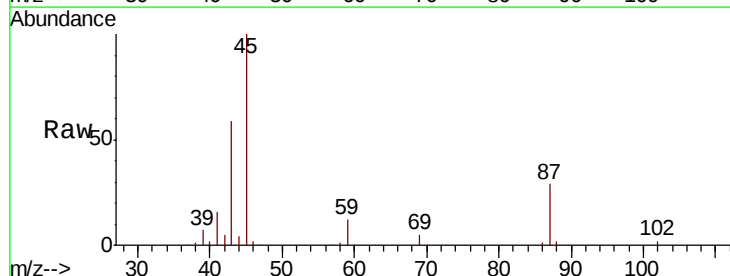


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

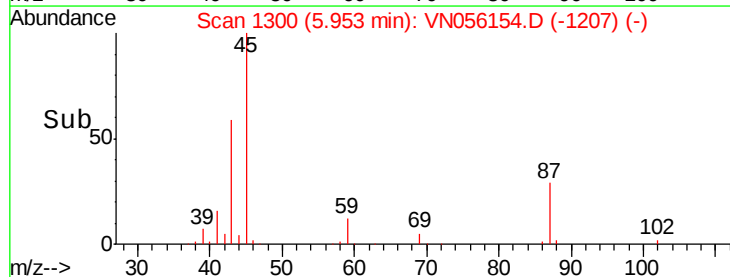
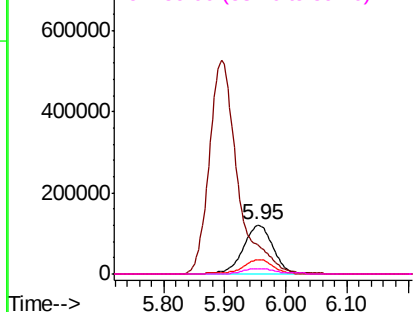


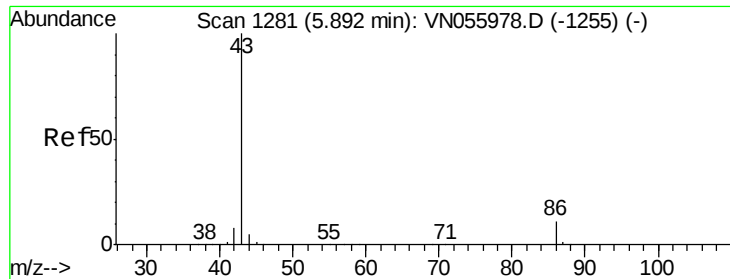
#22
Diisopropyl ether
Concen: 51.436 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 45 Resp: 413453
Ion Ratio Lower Upper
45 100
43 57.8 45.0 67.6
87 28.6 22.2 33.4
59 11.4 9.1 13.7



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: 271.522 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

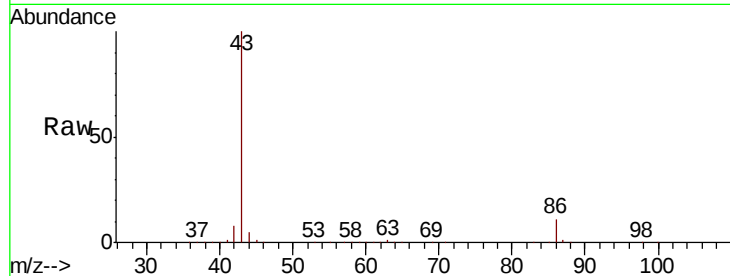
VSTDCCC050EC

Tot Ion: 43 Resp: 1718768

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055978.D (-1255) (-)

5.90

600000

500000

400000

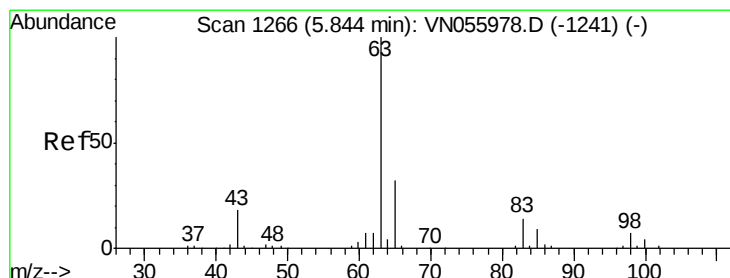
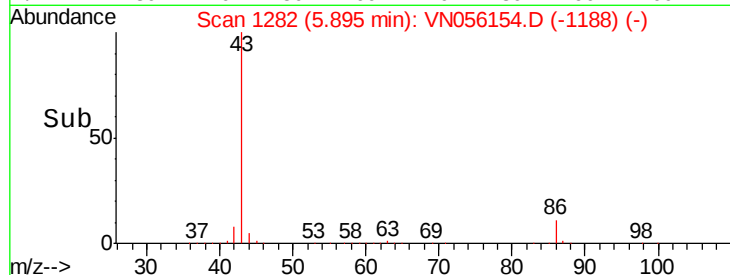
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 50.819 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

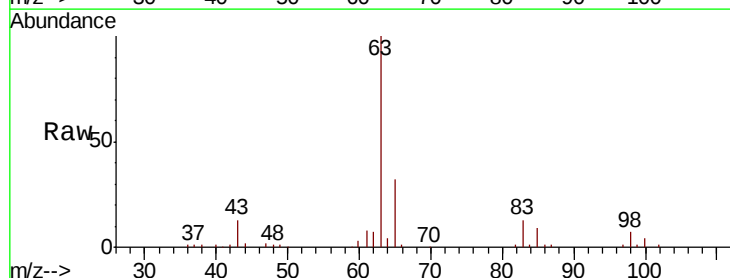
Tgt Ion: 63 Resp: 235634

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055978.D (-1241) (-)

100000

80000

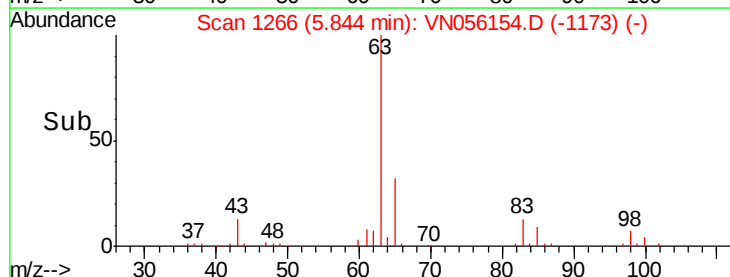
60000

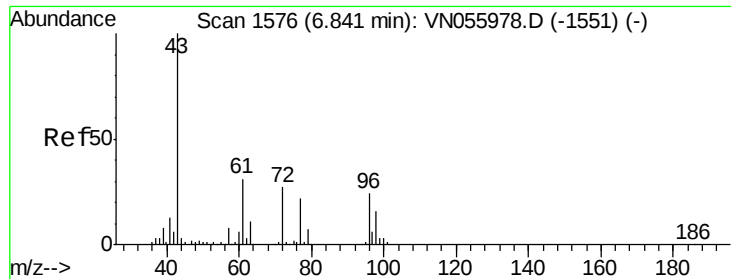
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

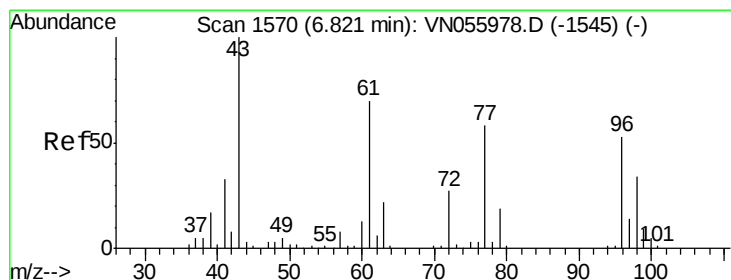
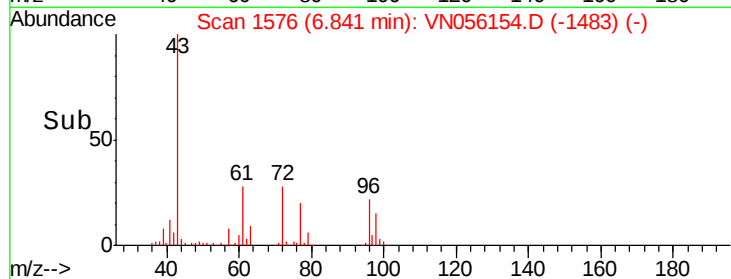
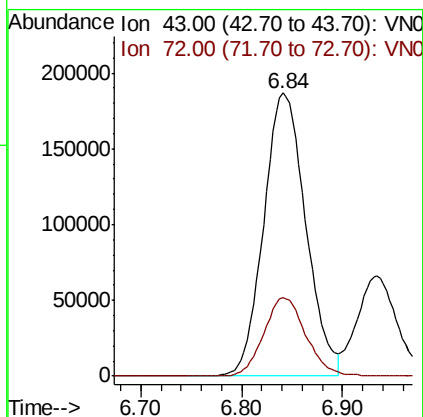
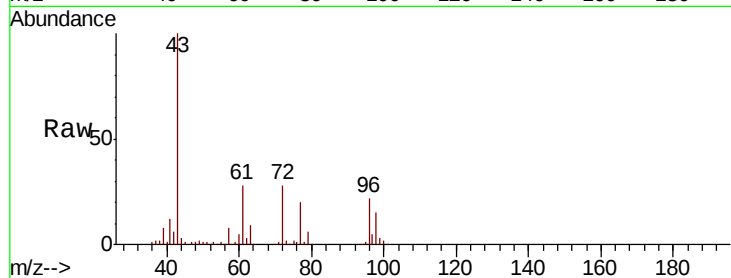




#25
2-Butanone
Concen: 307.120 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

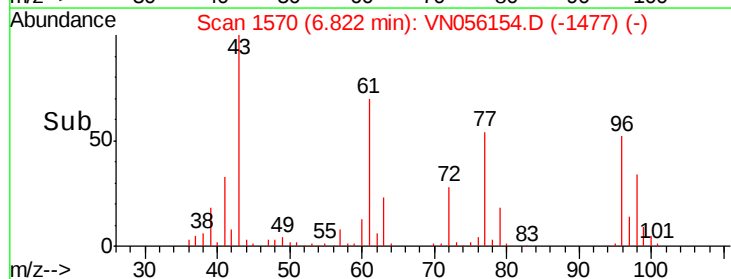
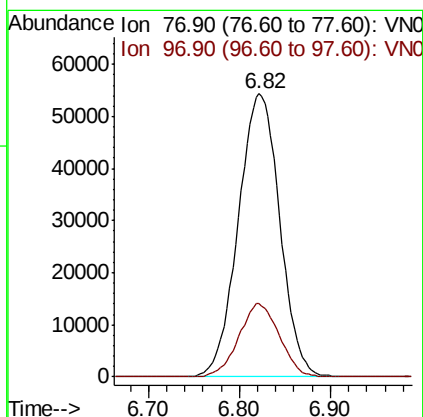
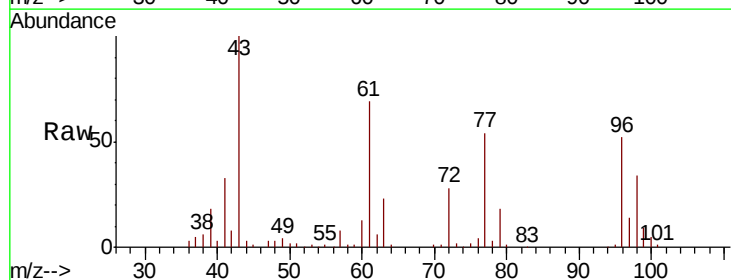
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

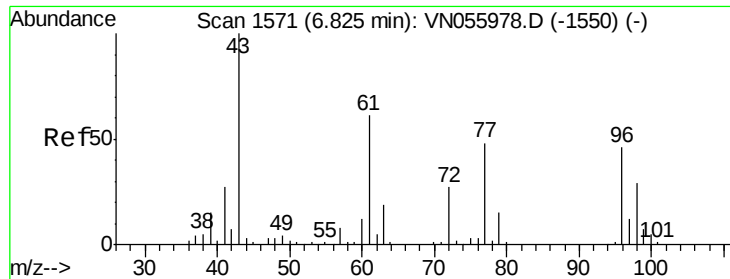
Tot Ion: 43 Resp: 540551
Ion Ratio Lower Upper
43 100
72 27.7 21.9 32.9



#26
2,2-Dichloropropane
Concen: 47.506 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 77 Resp: 171882
Ion Ratio Lower Upper
77 100
97 25.4 12.2 36.6

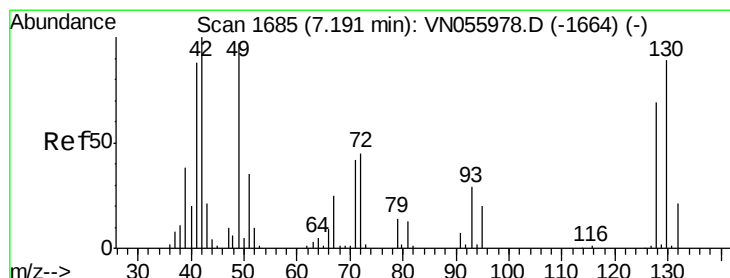
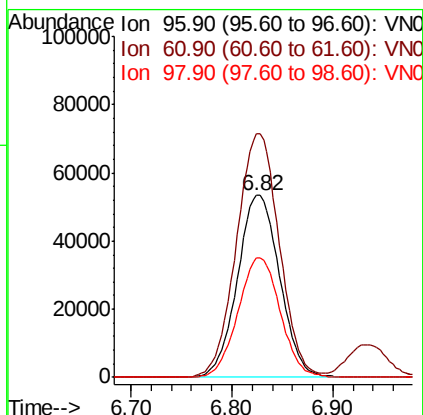
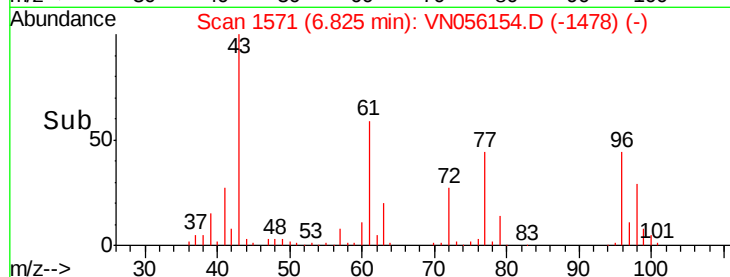
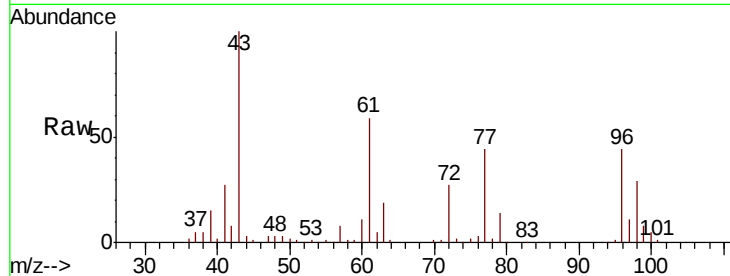




#27
 cis-1,2-Dichloroethene
 Concen: 49.997 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

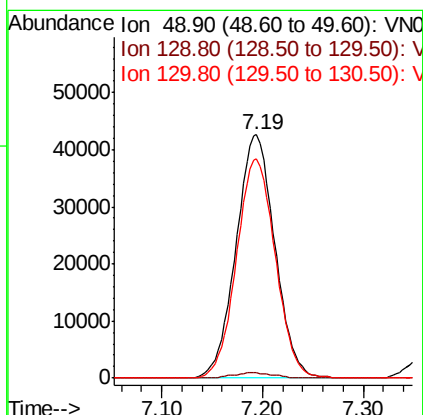
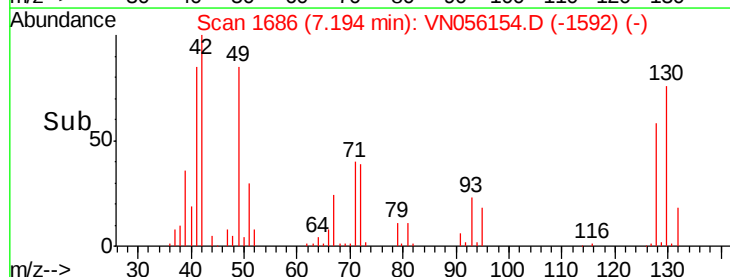
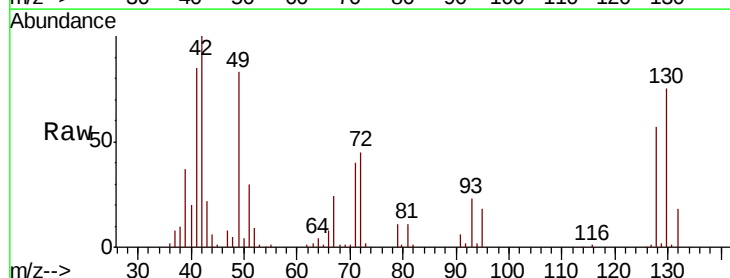
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

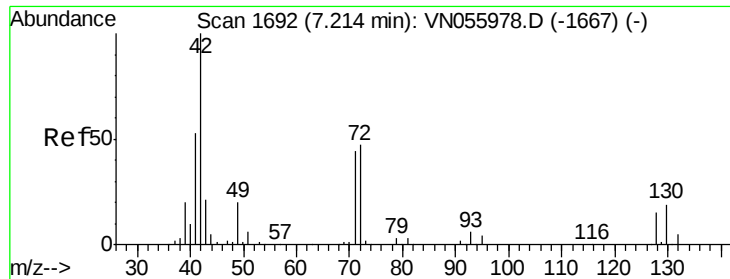
Tot Ion: 96 Resp: 155070
 Ion Ratio Lower Upper
 96 100
 61 136.0 0.0 275.8
 98 65.5 0.0 128.4



#28
 Bromochloromethane
 Concen: 51.855 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion: 49 Resp: 113704
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 90.0 71.2 106.8

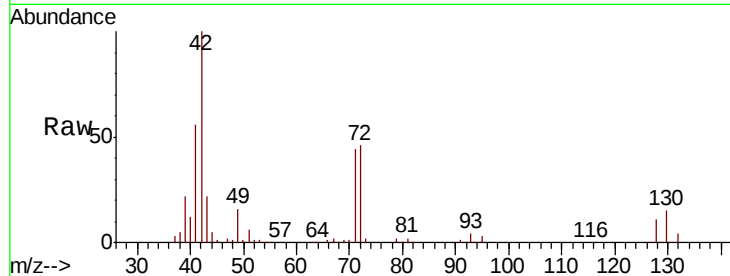




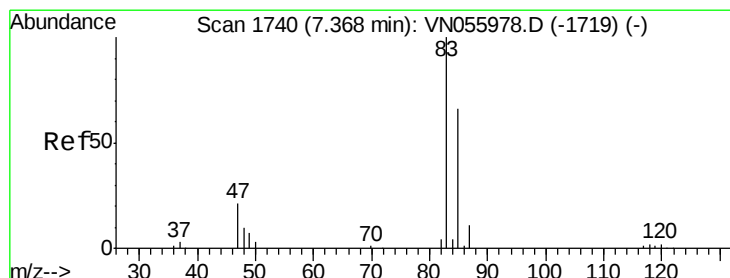
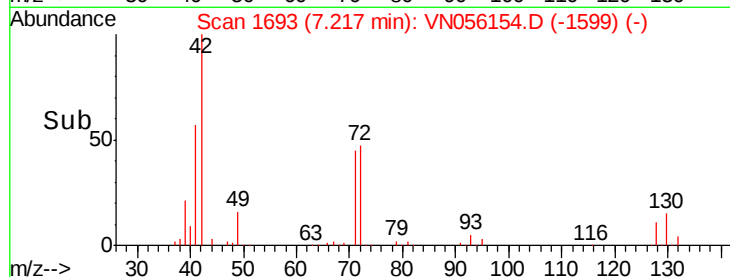
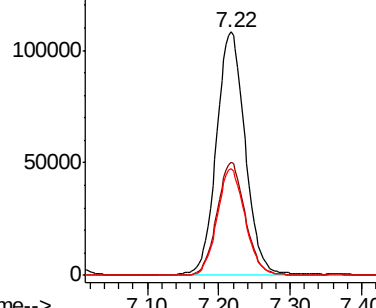
#29
Tetrahydrofuran
Concen: 277.848 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 302290
Ion Ratio Lower Upper
42 100
72 45.7 35.9 53.9
71 42.5 34.0 51.0

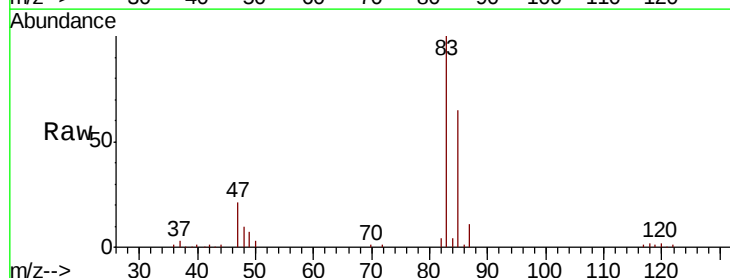


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

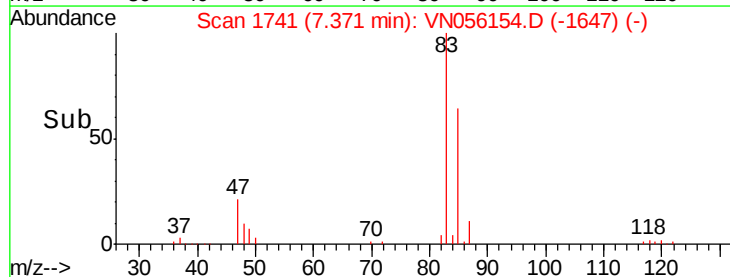
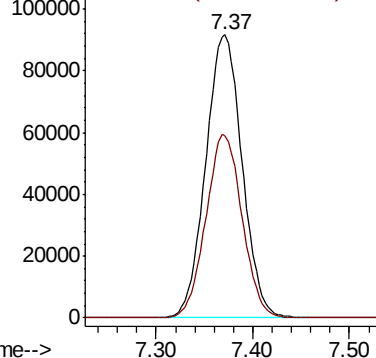


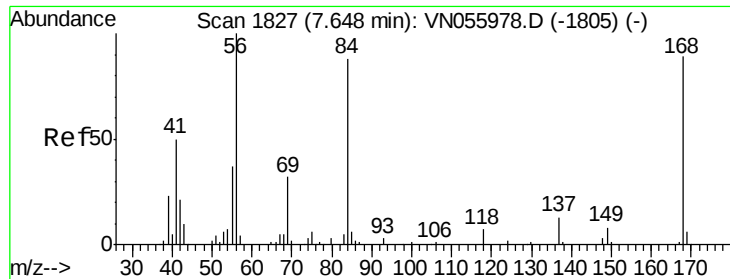
#30
Chloroform
Concen: 51.443 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 83 Resp: 239953
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.8



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

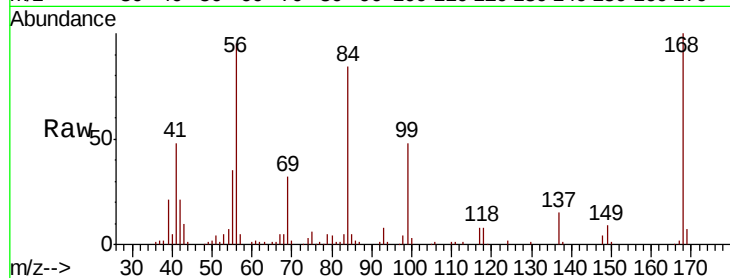




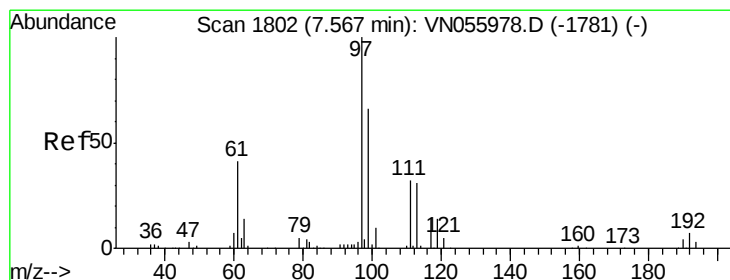
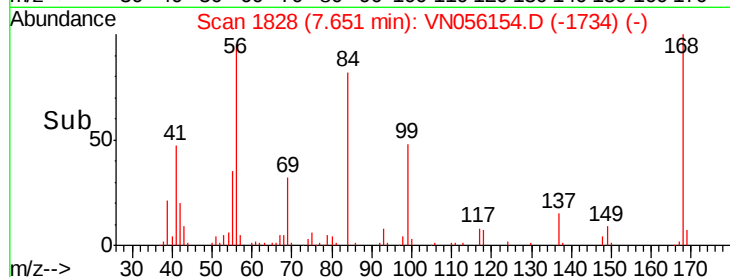
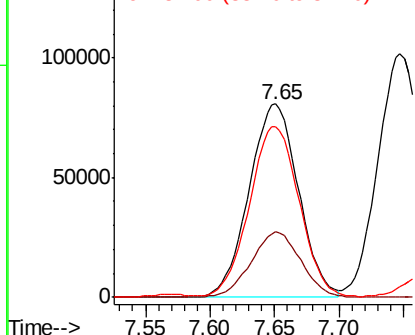
#31
Cyclohexane
Concen: 46.595 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 215355
Ion Ratio Lower Upper
56 100
69 33.7 25.6 38.4
84 87.6 67.4 101.0

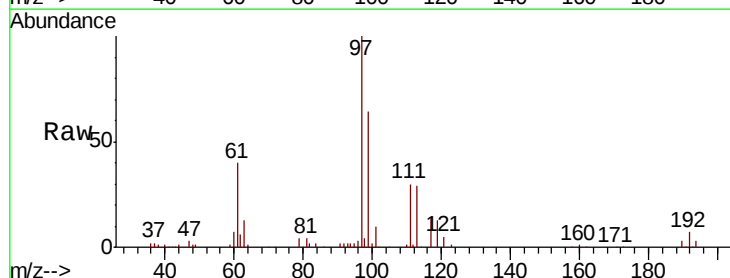


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

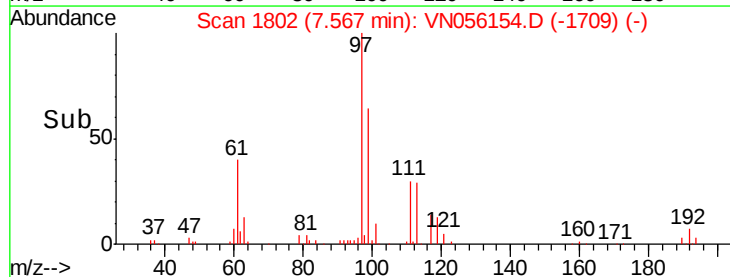
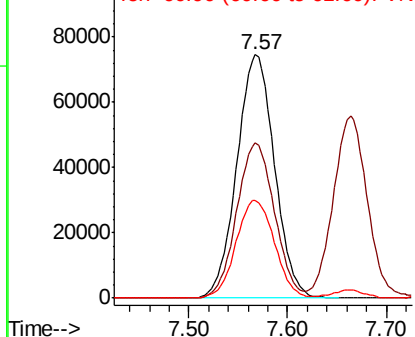


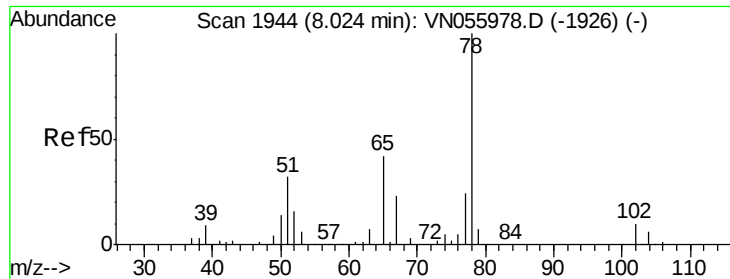
#32
1,1,1-Trichloroethane
Concen: 50.624 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 97 Resp: 197184
Ion Ratio Lower Upper
97 100
99 64.1 52.0 78.0
61 41.0 32.9 49.3



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

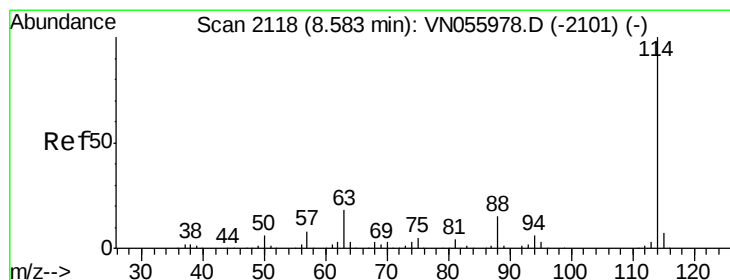
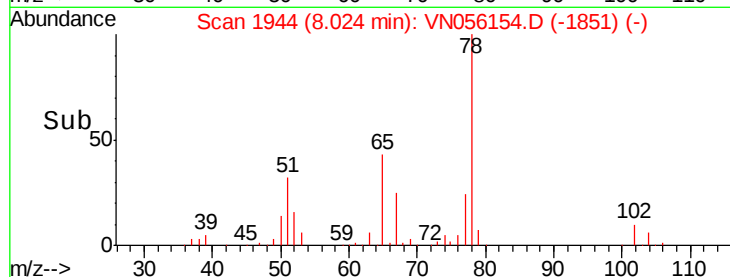
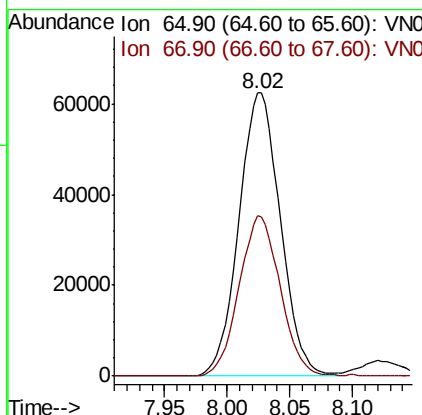
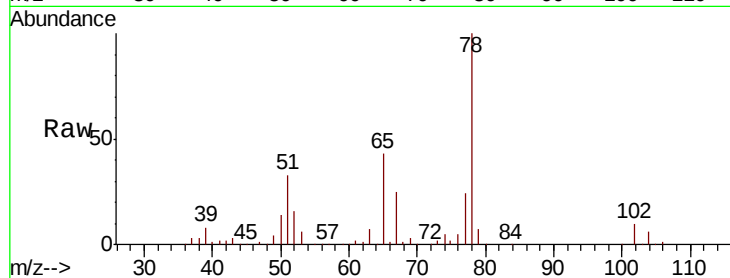




#33
 1,2-Dichloroethane-d4
 Concen: 49.348 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

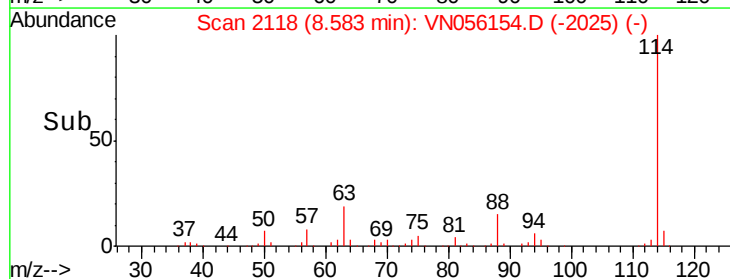
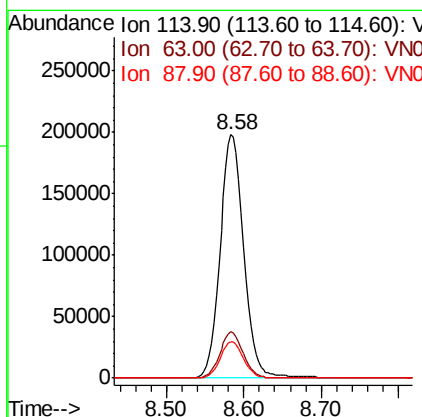
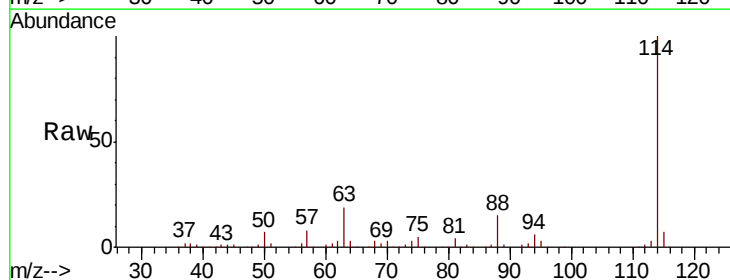
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

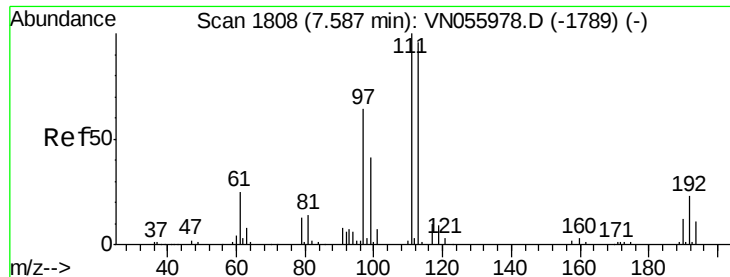
Tot Ion: 65 Resp: 143735
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion: 114 Resp: 422063
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 14.8 0.0 31.0

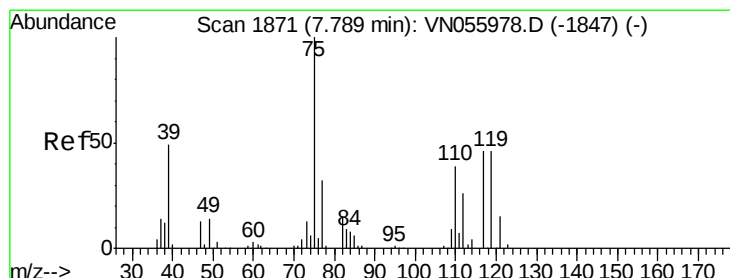
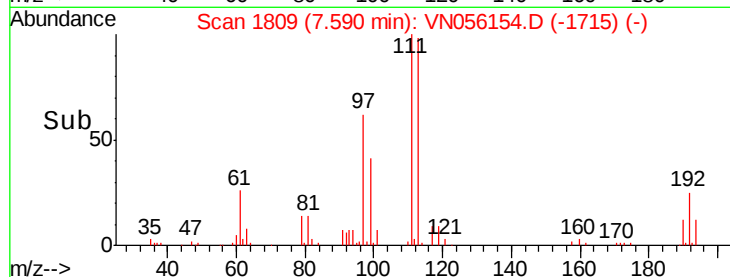
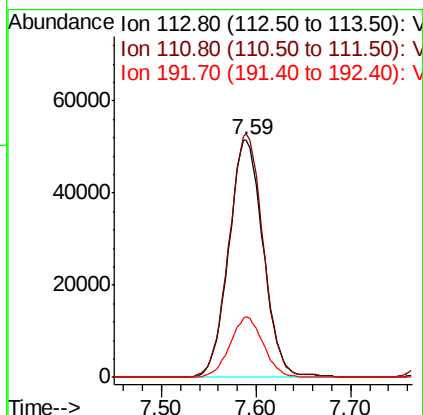
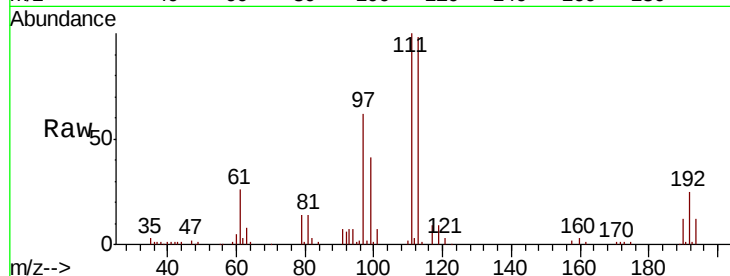




#35
Dibromofluoromethane
Concen: 50.270 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

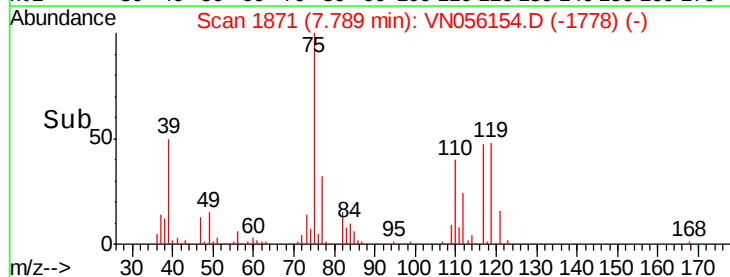
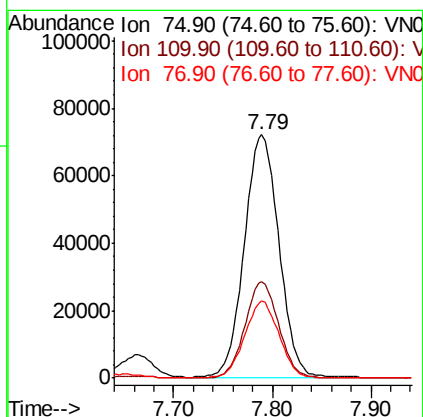
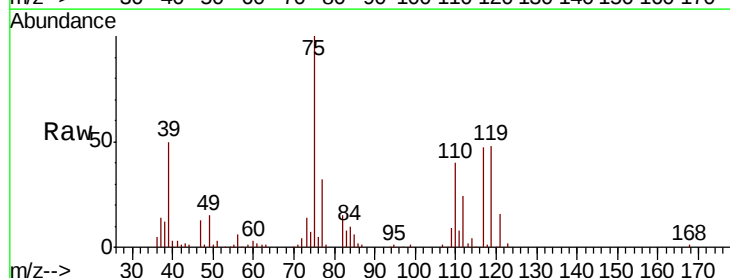
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

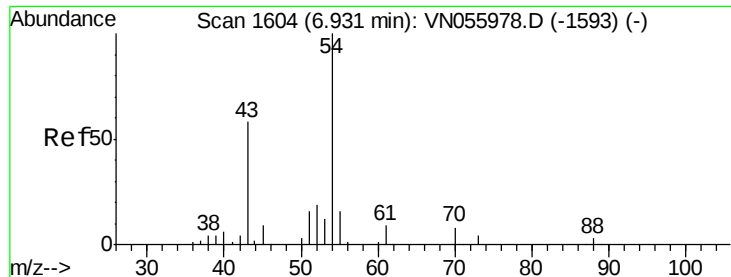
Tot Ion:113 Resp: 130174
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 24.5 19.5 29.3



#36
1,1-Dichloropropene
Concen: 48.043 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 75 Resp: 174354
Ion Ratio Lower Upper
75 100
110 38.8 19.0 57.0
77 31.7 25.1 37.7

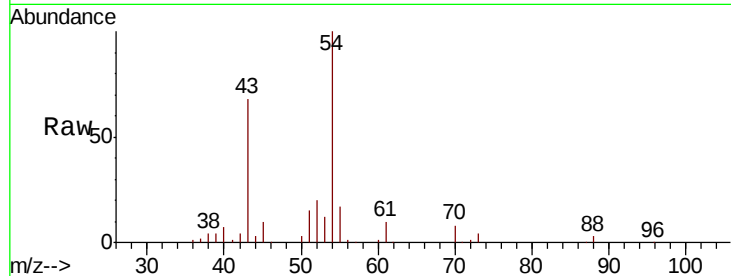




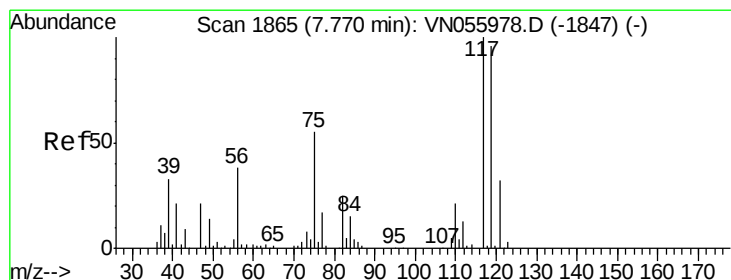
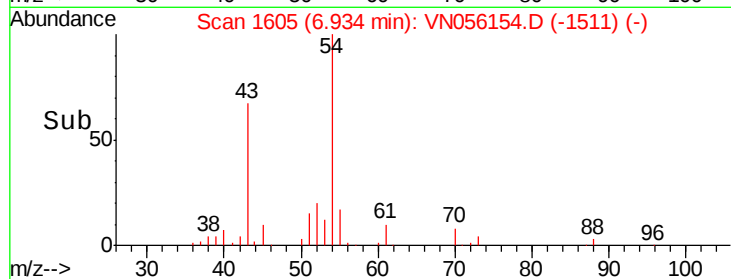
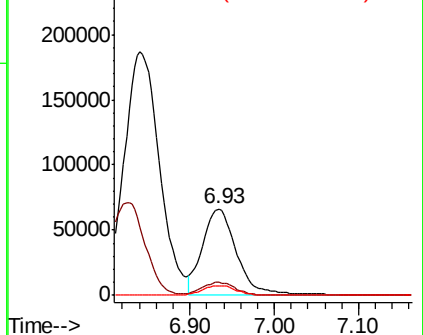
#37
Ethyl Acetate
Concen: 56.968 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 183953
Ion Ratio Lower Upper
43 100
61 15.0 12.2 18.2
70 11.3 8.9 13.3

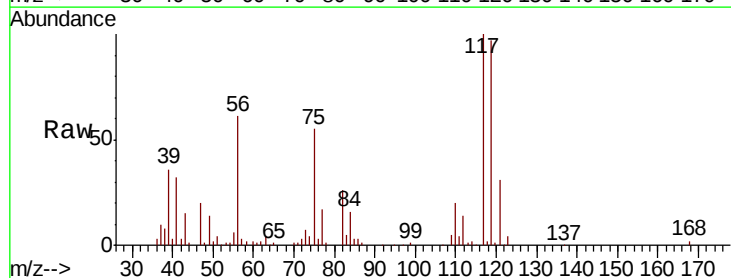


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

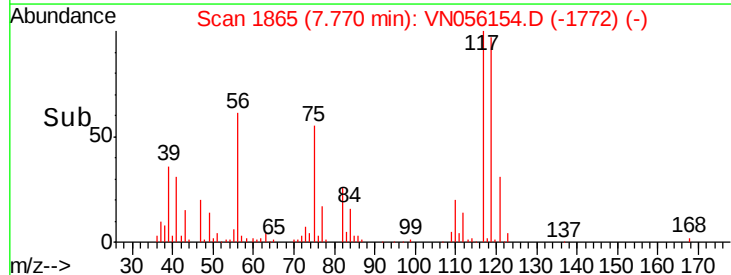
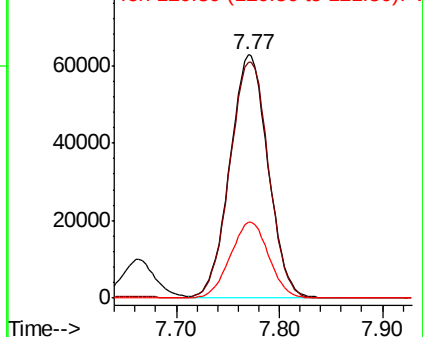


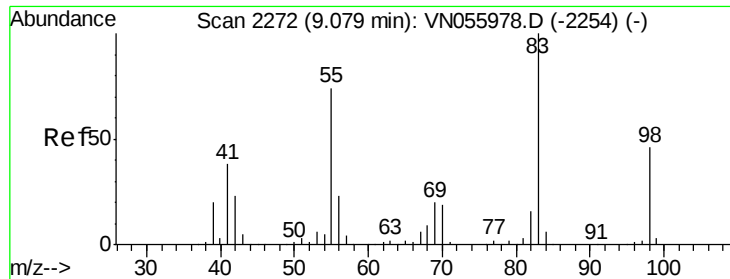
#38
Carbon Tetrachloride
Concen: 48.420 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 117 Resp: 162007
Ion Ratio Lower Upper
117 100
119 96.9 79.0 118.6
121 31.2 24.7 37.1



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

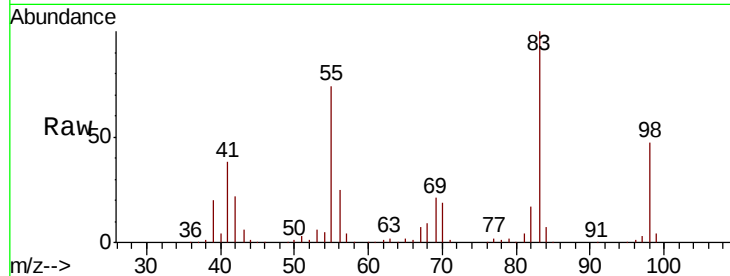




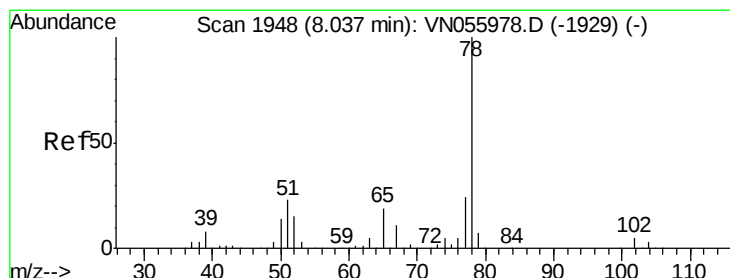
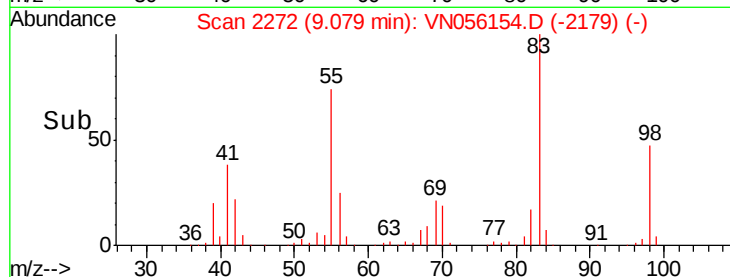
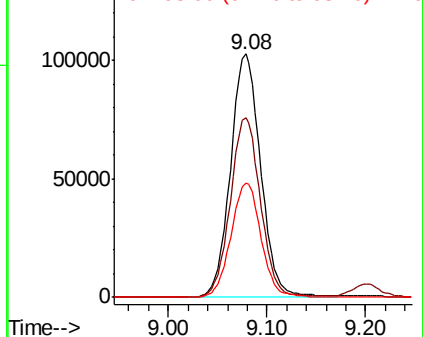
#39
Methvlcvclohexane
Concen: 48.465 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 219104
Ion Ratio Lower Upper
83 100
55 73.8 59.3 88.9
98 46.9 36.6 54.8

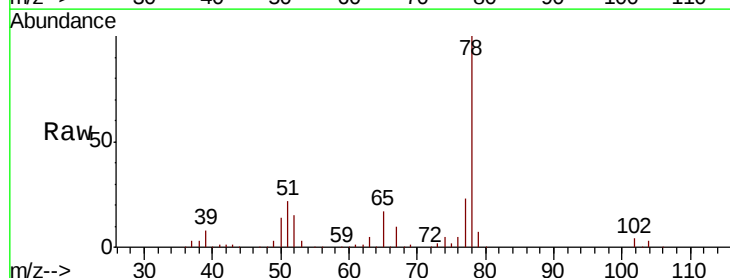


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

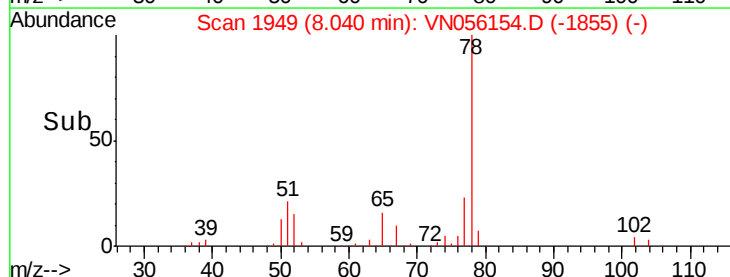
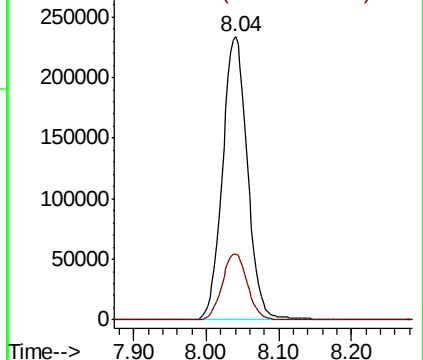


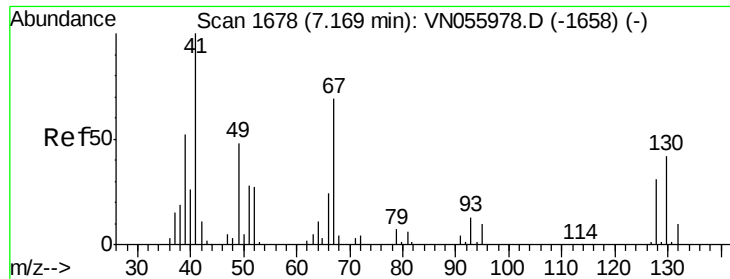
#40
Benzene
Concen: 50.612 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 78 Resp: 557870
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



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

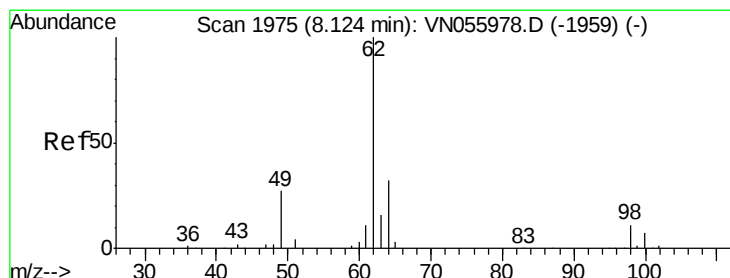
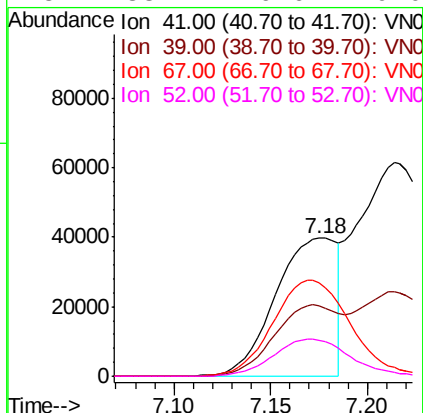
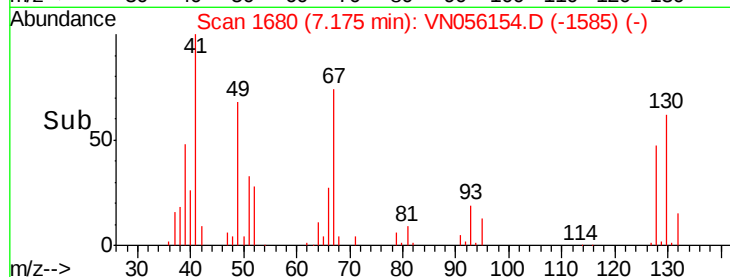
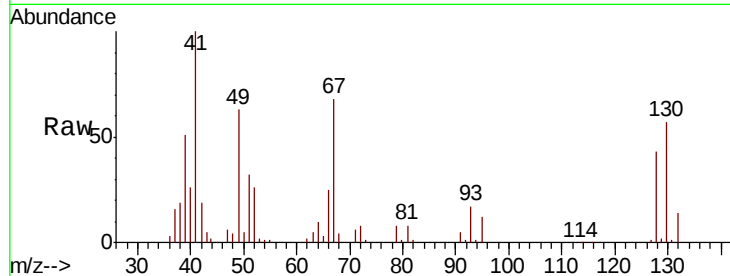




#41
Methacrylonitrile
Concen: 59.264 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

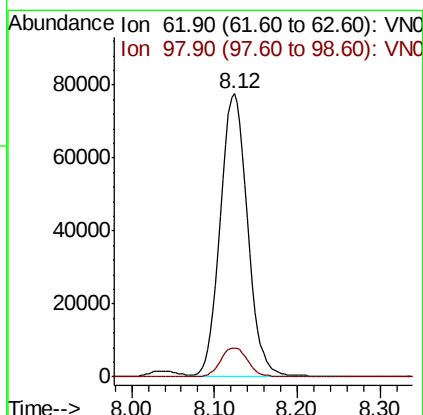
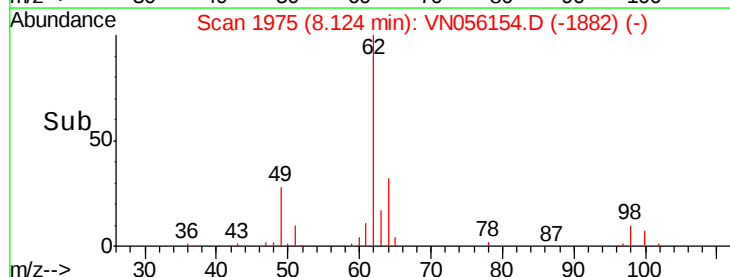
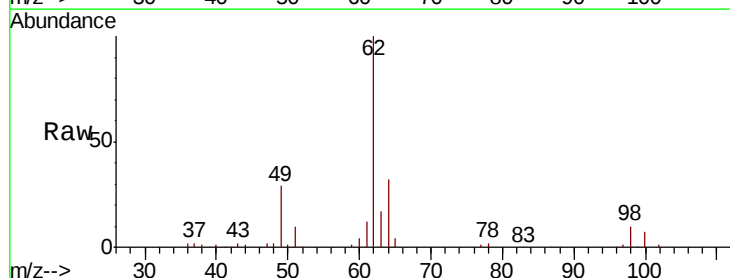
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

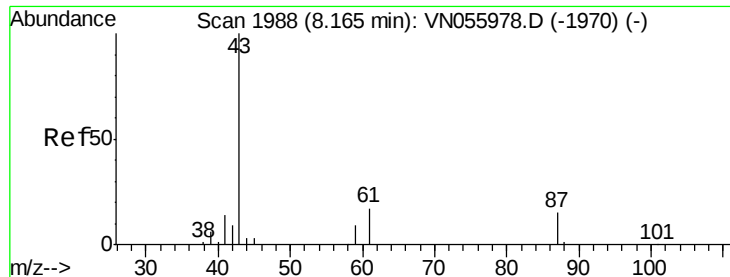
Tot Ion: 41 Resp: 88048
Ion Ratio Lower Upper
41 100
39 55.0 45.6 68.4
67 87.3 67.7 101.5
52 33.7 26.6 40.0



#42
1,2-Dichloroethane
Concen: 50.026 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 62 Resp: 177371
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 53.736 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

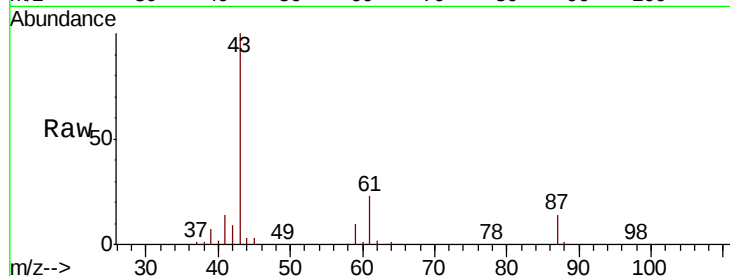
Tot Ion: 43 Resp: 281178

Ion Ratio Lower Upper

43 100

61 22.0 22.2 33.4#

87 14.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

8.17

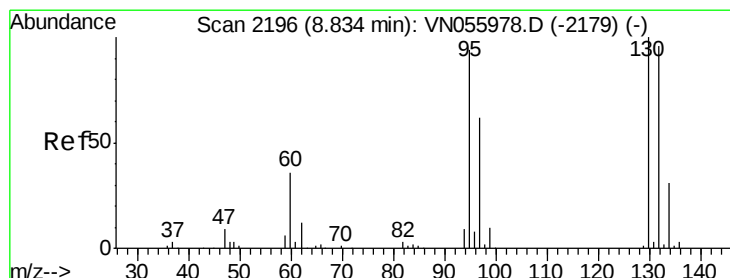
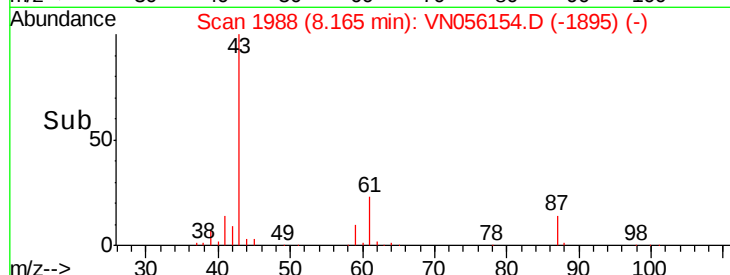
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 49.267 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056154.D

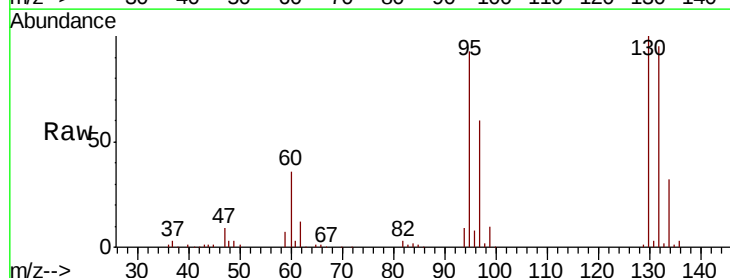
Acq: 8 Jun 2019 15:23

Tgt Ion:130 Resp: 156045

Ion Ratio Lower Upper

130 100

95 92.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.83

80000

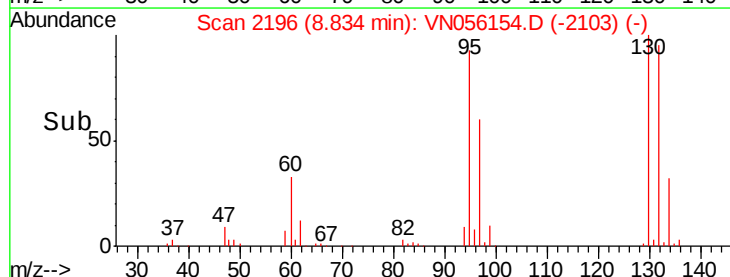
60000

40000

20000

0

Time--> 8.80 8.90

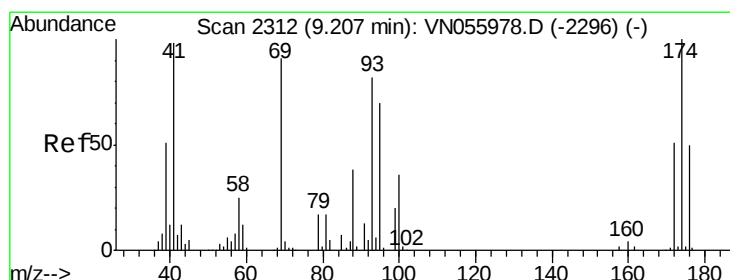
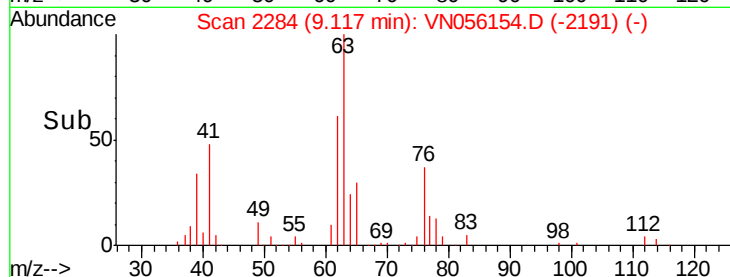
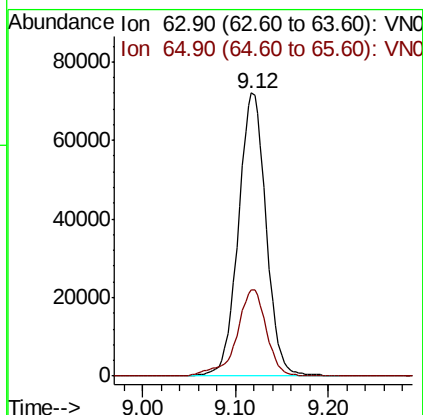
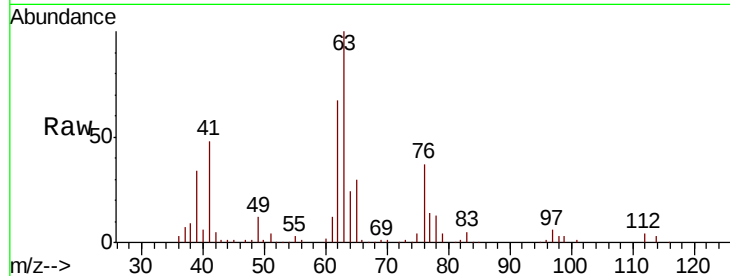




#45
 1,2-Dichloropropane
 Concen: 52.847 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

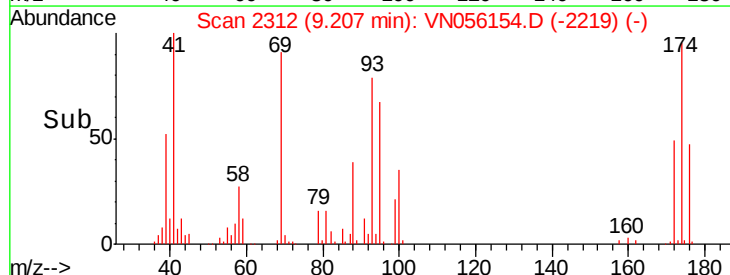
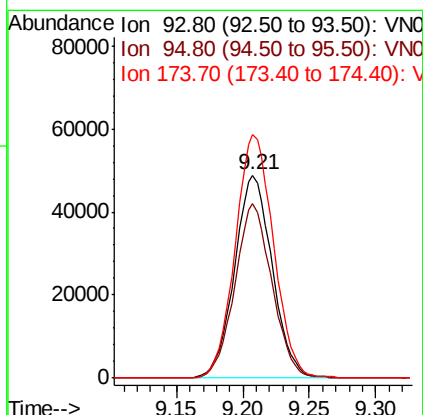
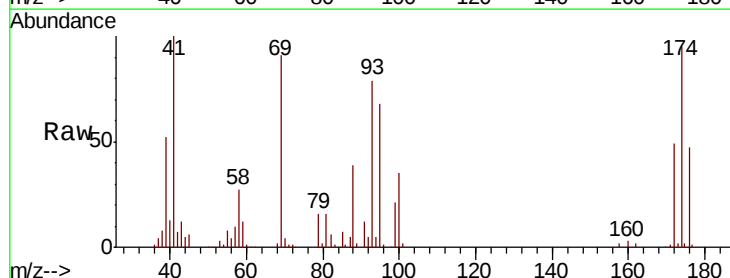
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 149204
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 36.8



#46
 Dibromomethane
 Concen: 52.222 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion: 93 Resp: 96416
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.7 100.1
 174 122.2 96.4 144.6

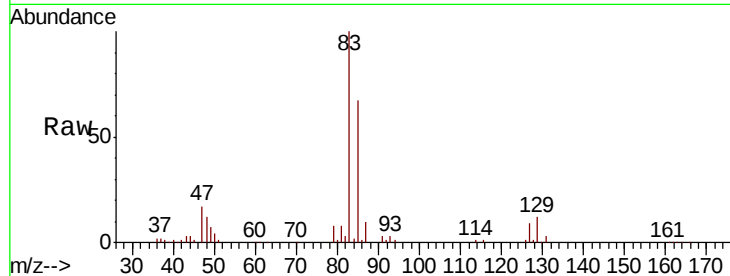




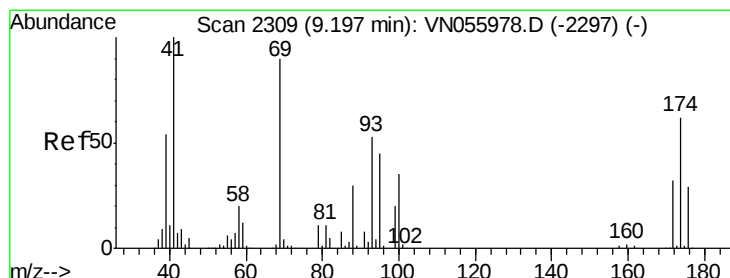
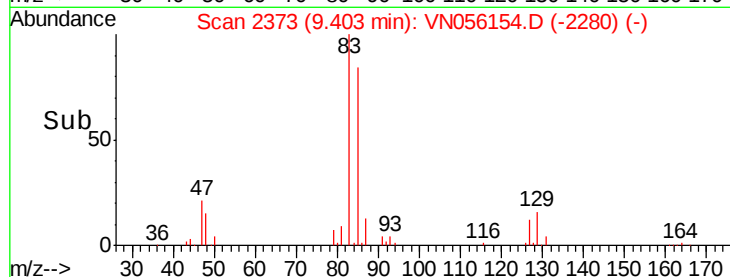
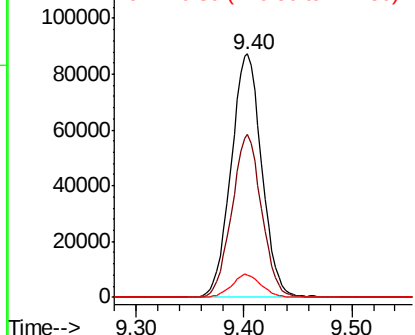
#47
Bromodichloromethane
Concen: 51.629 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 172760
Ion Ratio Lower Upper
83 100
85 66.7 52.2 78.2
127 9.3 7.4 11.0

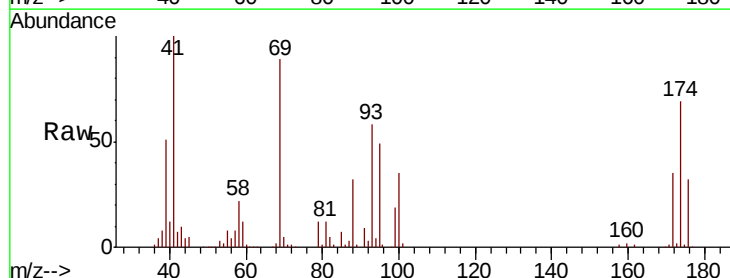


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

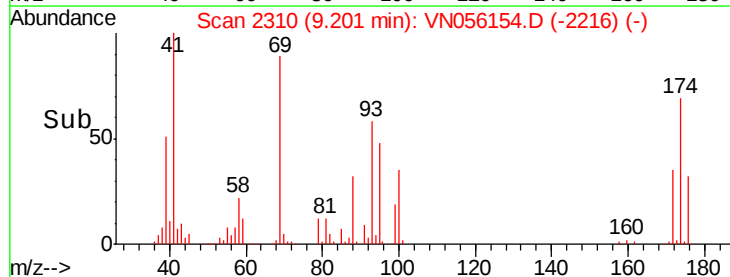
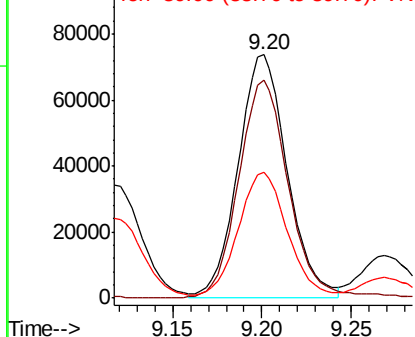


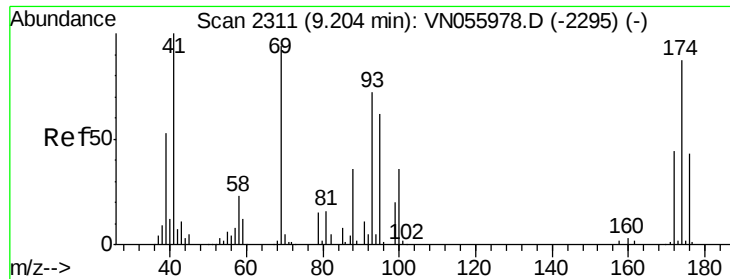
#48
Methyl methacrylate
Concen: 54.971 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 41 Resp: 140721
Ion Ratio Lower Upper
41 100
69 91.0 71.0 106.6
39 52.0 44.2 66.2



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: 1099.736 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

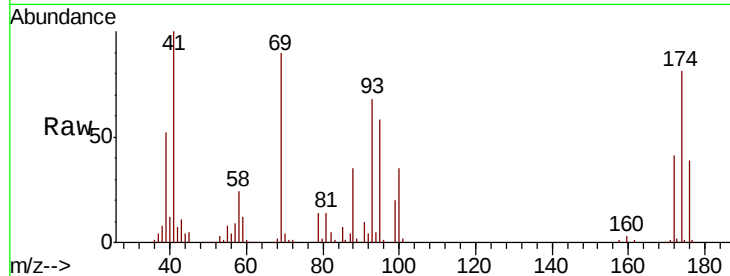
Tot Ion: 88 Resp: 60778

Ion Ratio Lower Upper

88 100

43 25.7 20.5 30.7

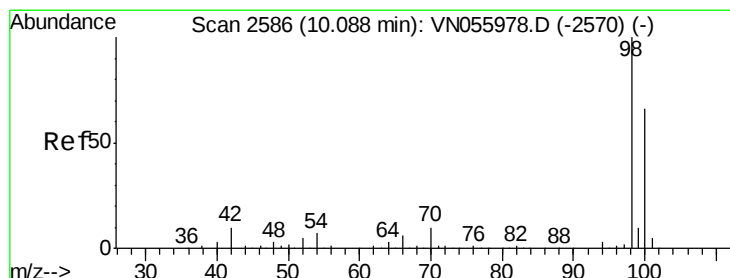
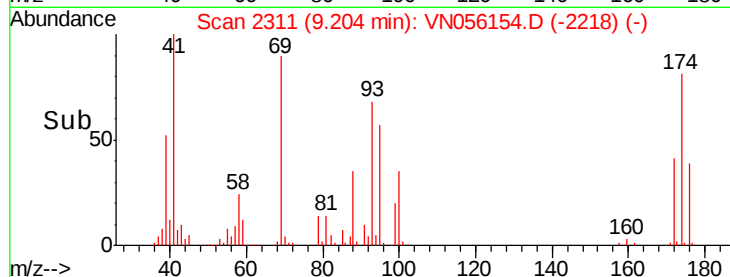
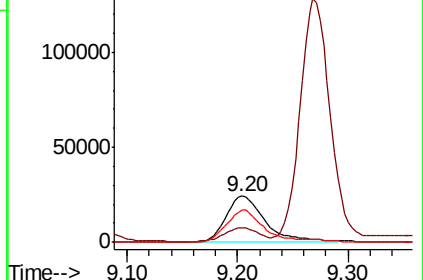
58 70.0 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)



#50

Toluene-d8

Concen: 49.414 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056154.D

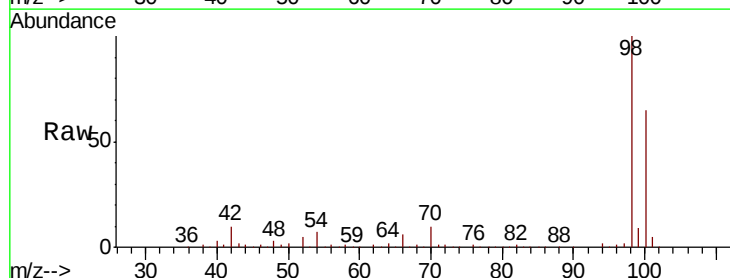
Acq: 8 Jun 2019 15:23

Tgt Ion: 98 Resp: 492384

Ion Ratio Lower Upper

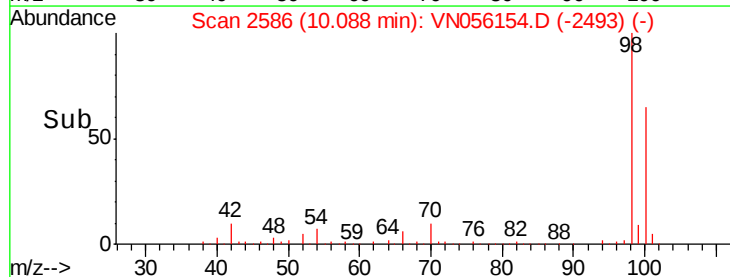
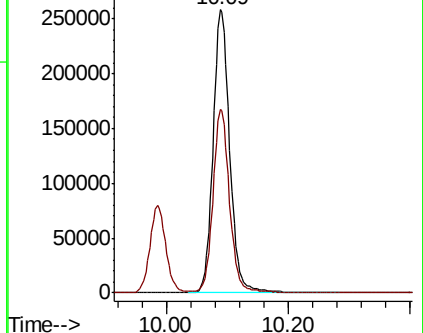
98 100

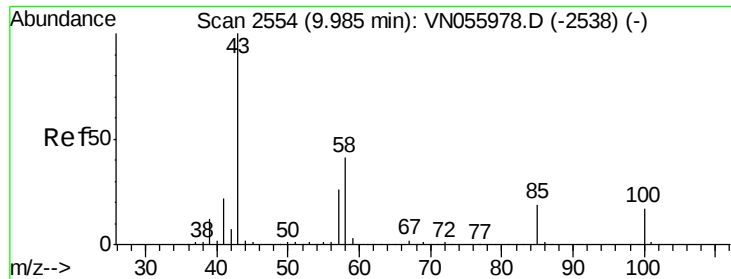
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 279.038 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

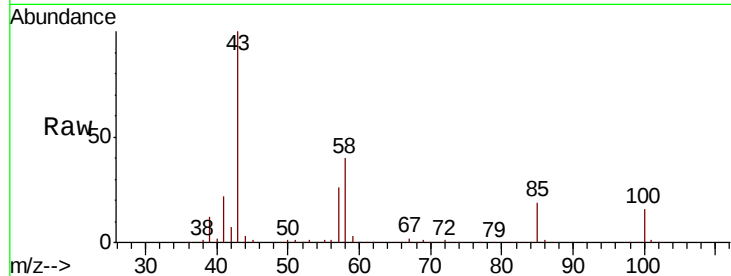
VSTDCCC050EC

Tot Ion: 43 Resp: 913070

Ion Ratio Lower Upper

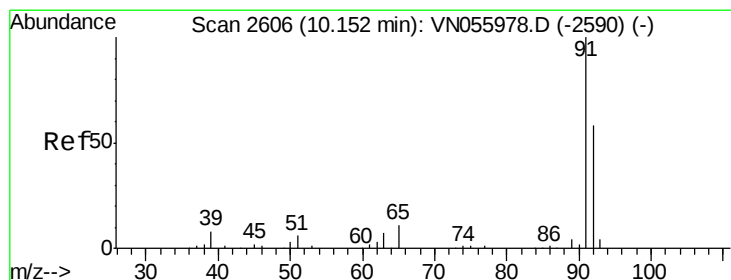
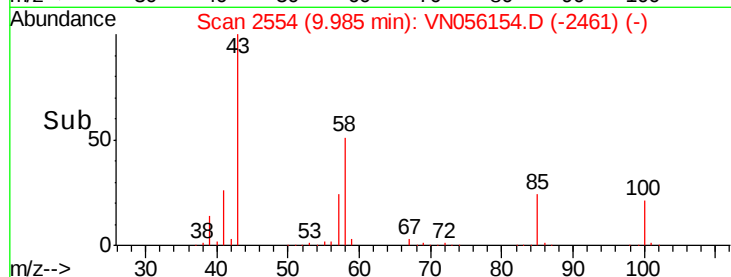
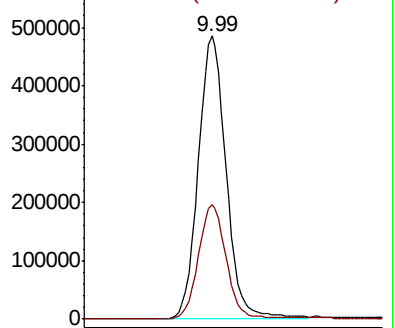
43 100

58 40.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.332 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056154.D

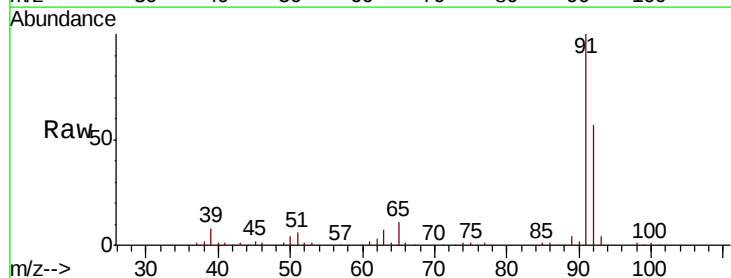
Acq: 8 Jun 2019 15:23

Tgt Ion: 92 Resp: 352083

Ion Ratio Lower Upper

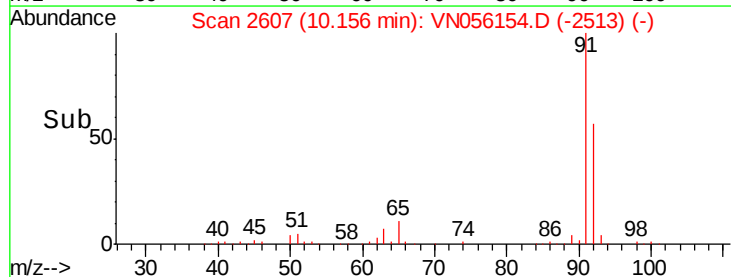
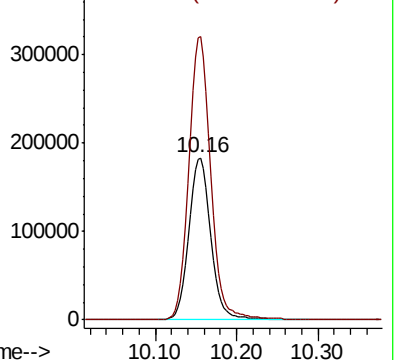
92 100

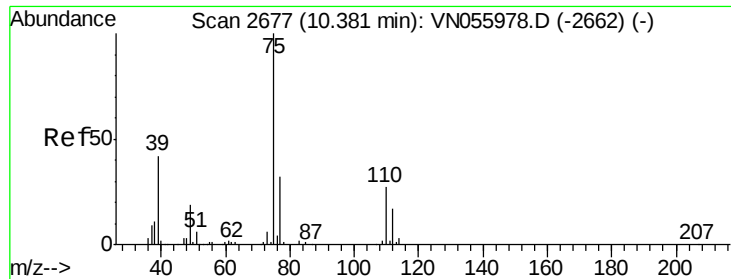
91 174.2 139.4 209.2



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: 46.215 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

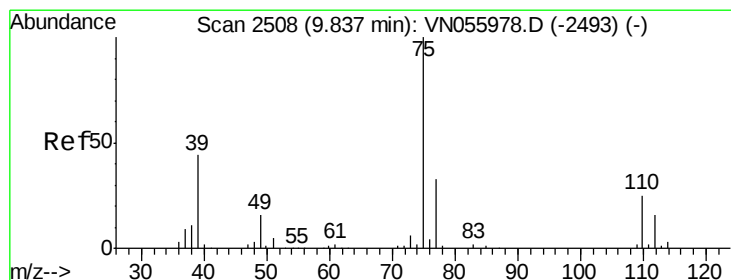
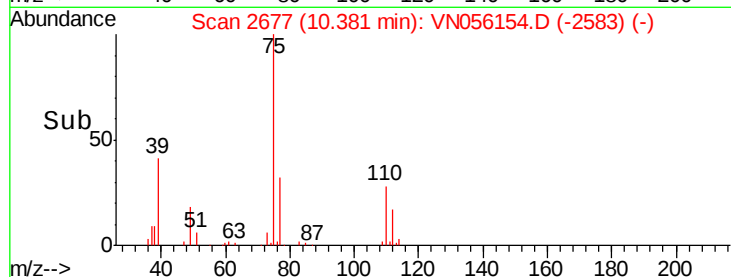
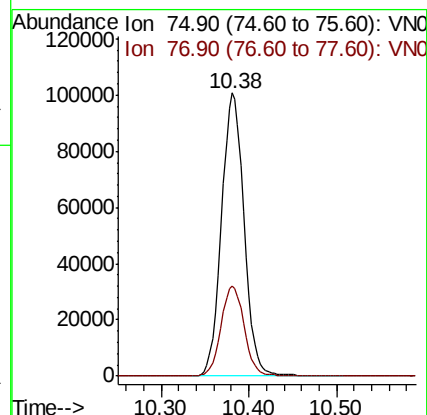
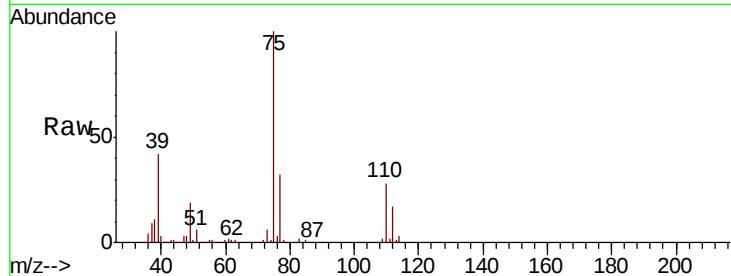
VSTDCCC050EC

Tot Ion: 75 Resp: 180562

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 53.511 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

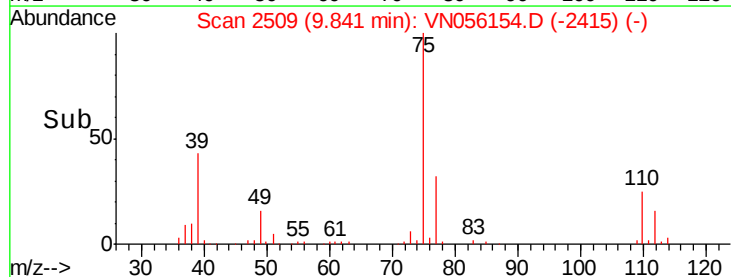
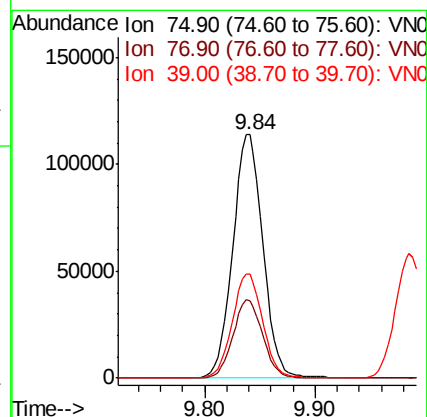
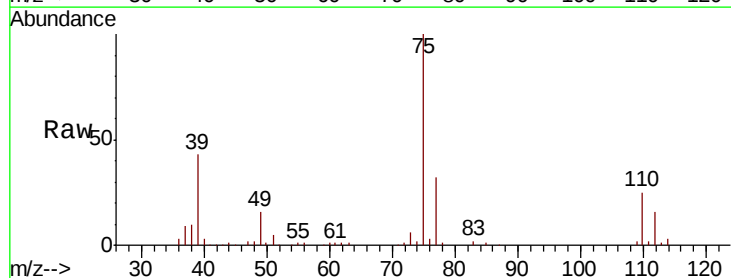
Tgt Ion: 75 Resp: 215229

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 42.7 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 52.986 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 143959

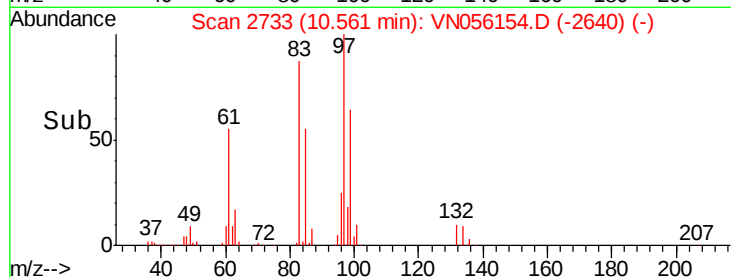
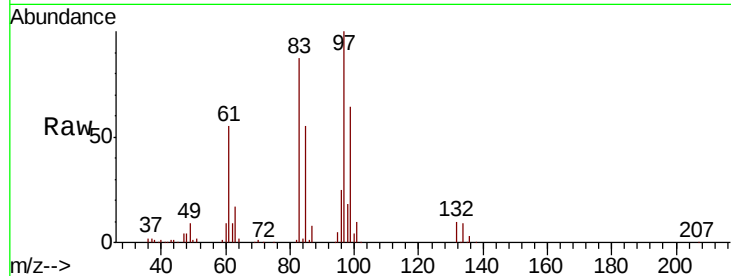
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.0	100.6
85	55.4	44.0	66.0
99	63.9	50.6	75.8

97 100

83 87.1 67.0 100.6

85 55.4 44.0 66.0

99 63.9 50.6 75.8



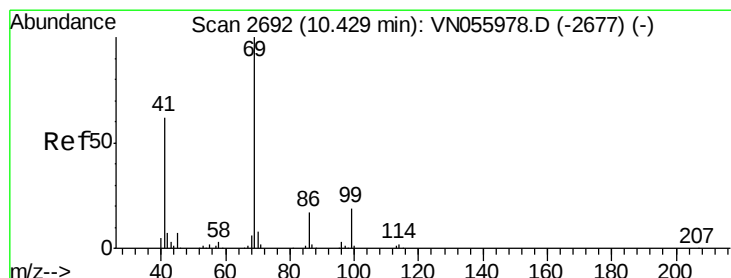
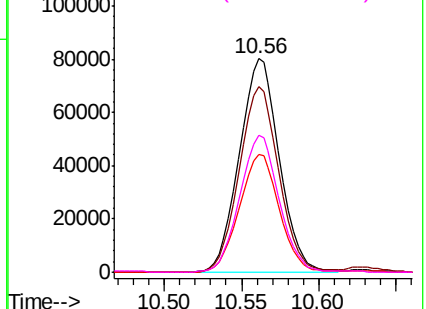
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 54.596 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

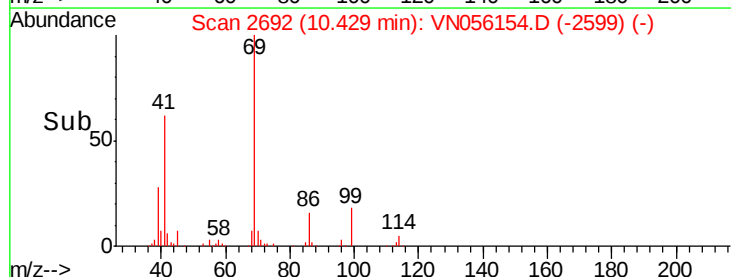
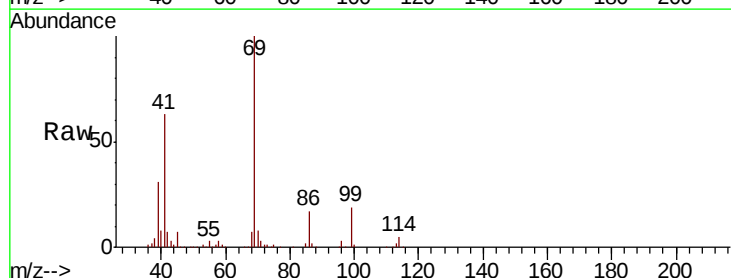
Tgt Ion: 69 Resp: 216401

Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.7	74.5
39	29.8	24.7	37.1

69 100

41 61.8 49.7 74.5

39 29.8 24.7 37.1

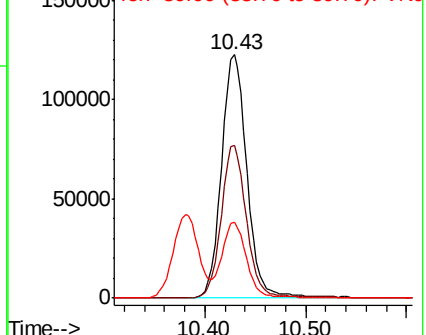


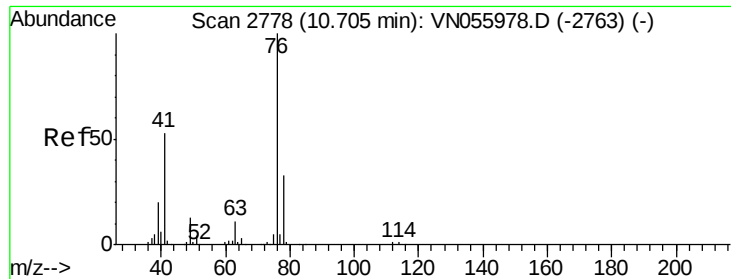
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

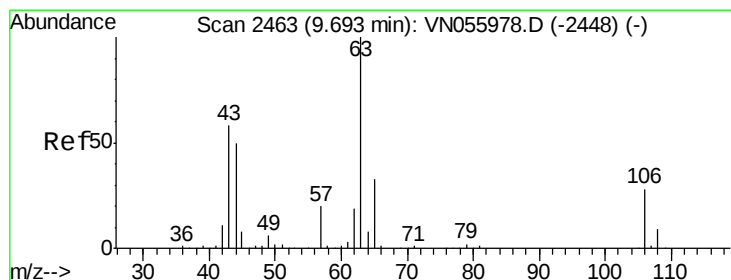
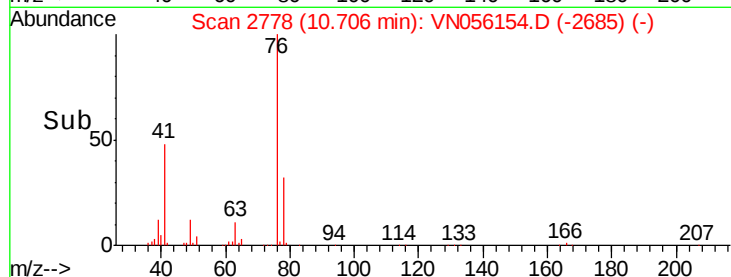
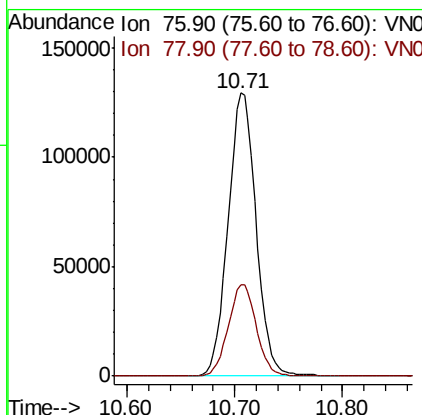
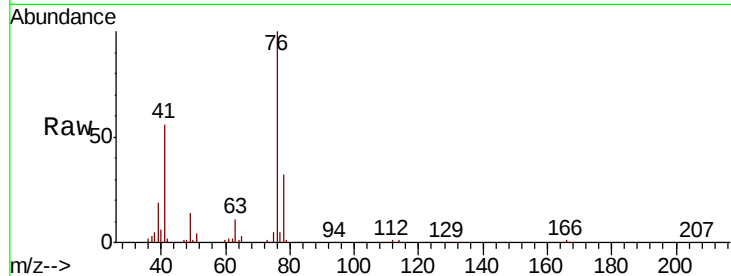




#57
 1,3-Dichloropropane
 Concen: 53.131 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

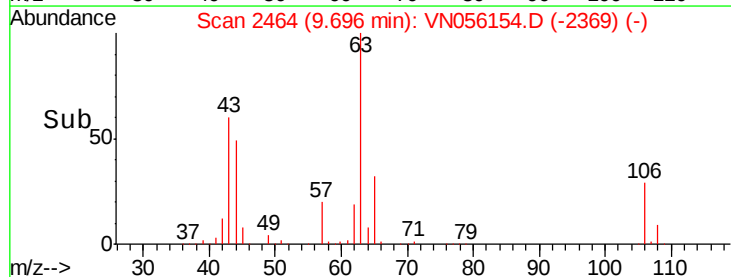
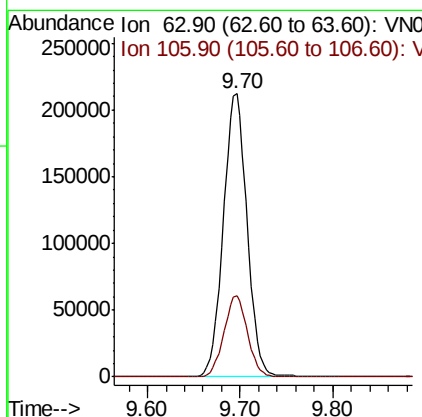
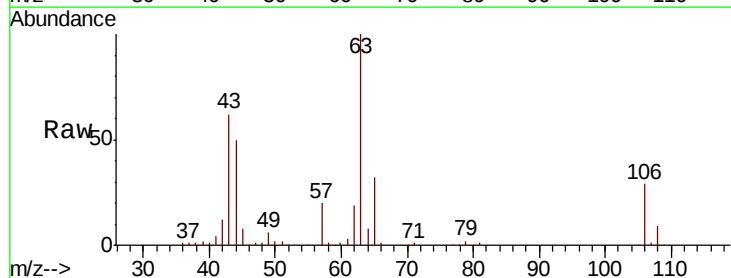
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

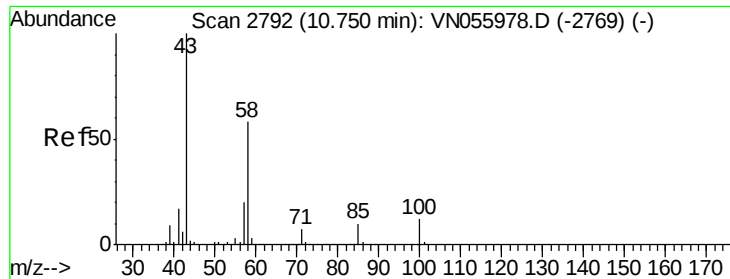
Tot Ion: 76 Resp: 234666
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.181 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion: 63 Resp: 376478
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1

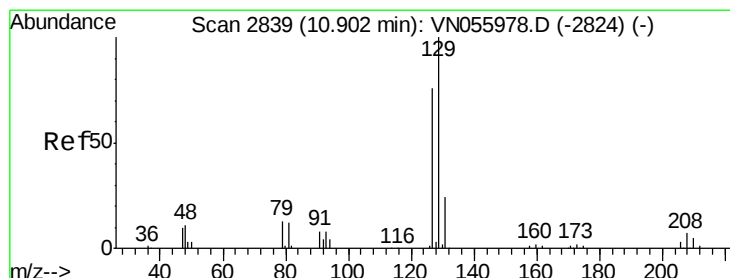
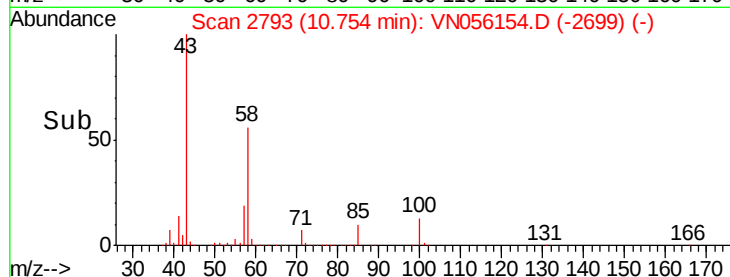
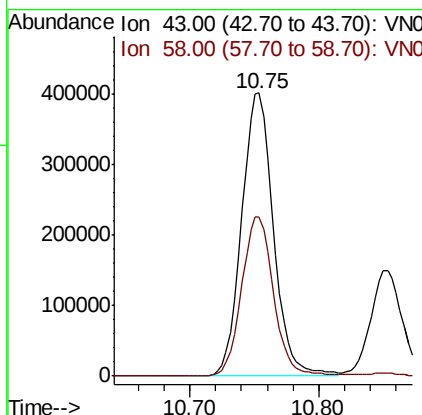
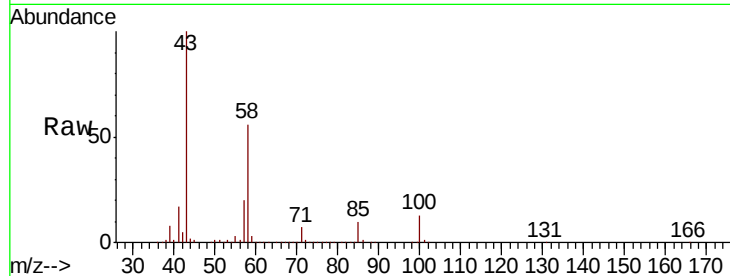




#59
2-Hexanone
Concen: 289.923 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

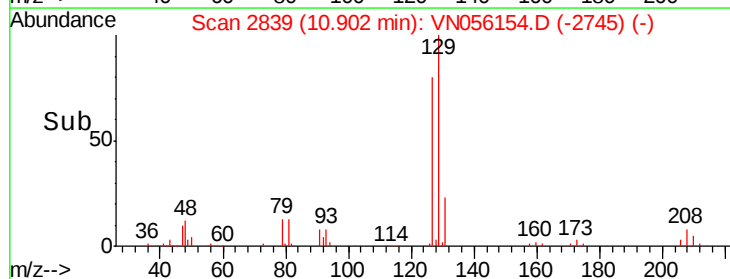
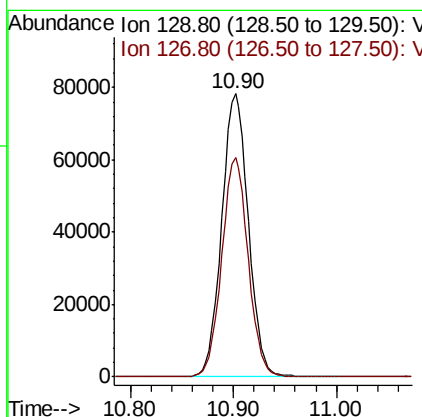
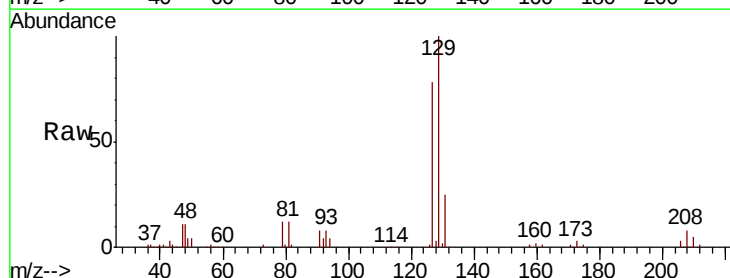
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 687587
Ion Ratio Lower Upper
43 100
58 57.0 28.2 84.7



#60
Dibromochloromethane
Concen: 47.133 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 129 Resp: 140790
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 53.342 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

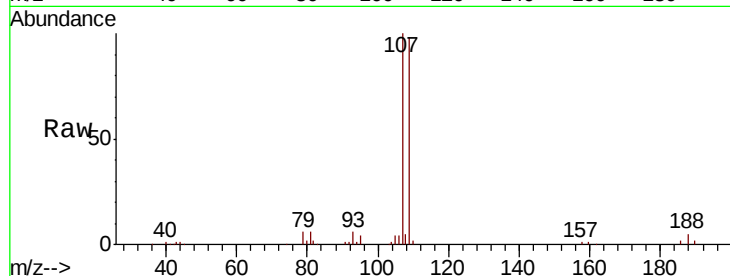
VSTDCCC050EC

Tot Ion: 107 Resp: 148158

Ion Ratio Lower Upper

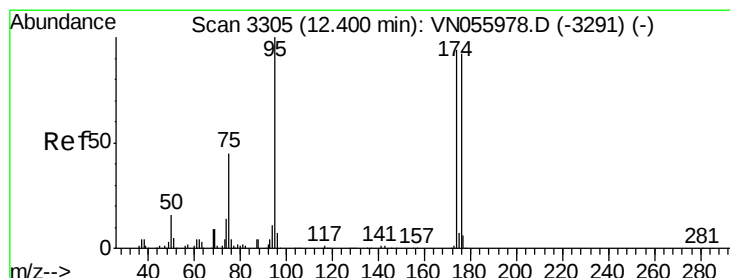
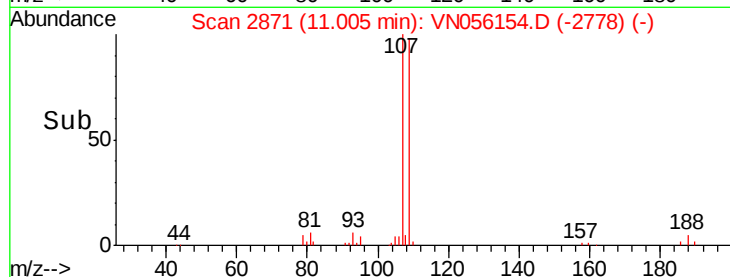
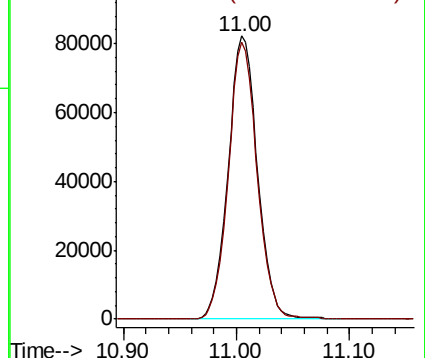
107 100

109 95.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.179 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

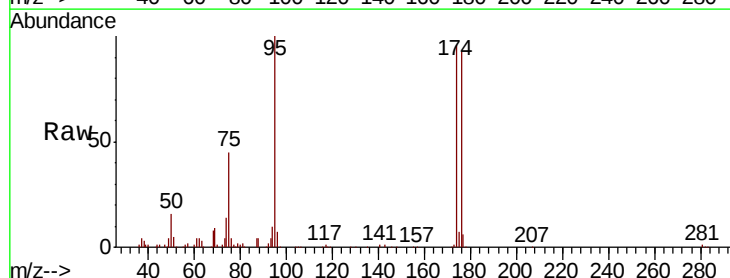
Tgt Ion: 95 Resp: 170039

Ion Ratio Lower Upper

95 100

174 96.7 0.0 191.0

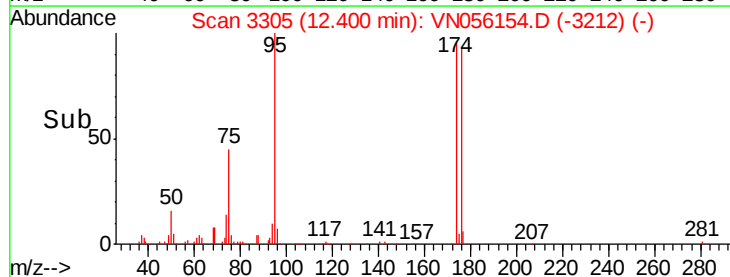
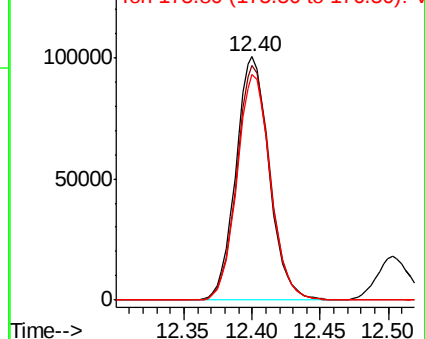
176 93.0 0.0 185.2

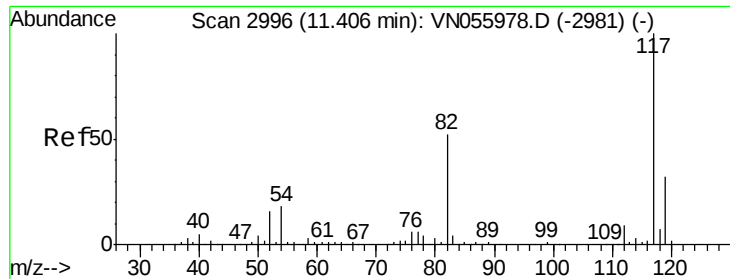


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

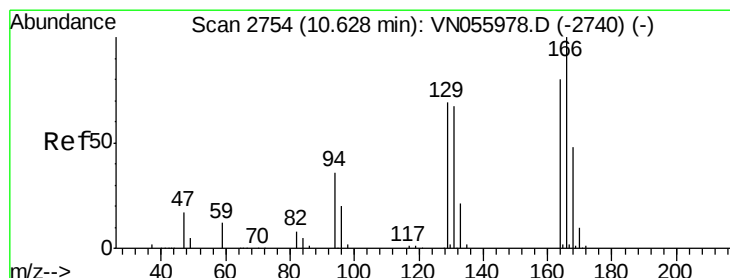
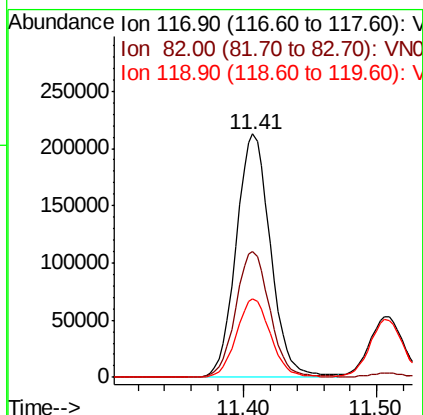
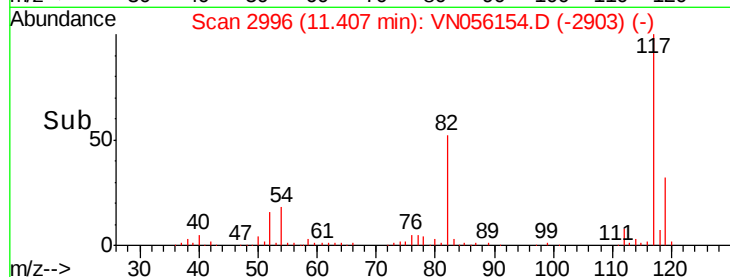
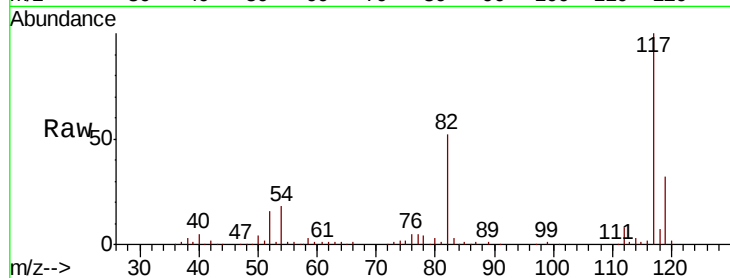




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

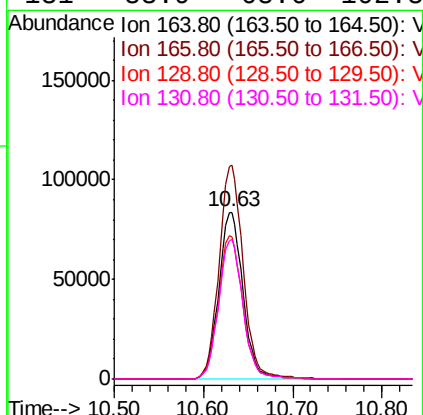
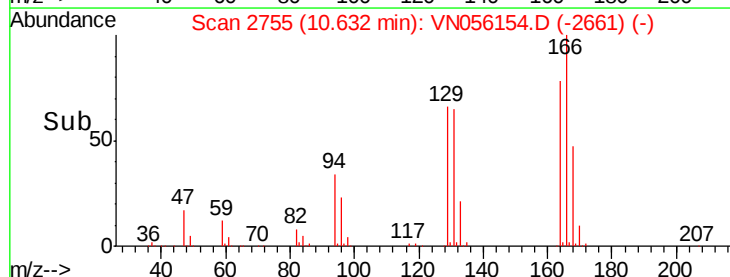
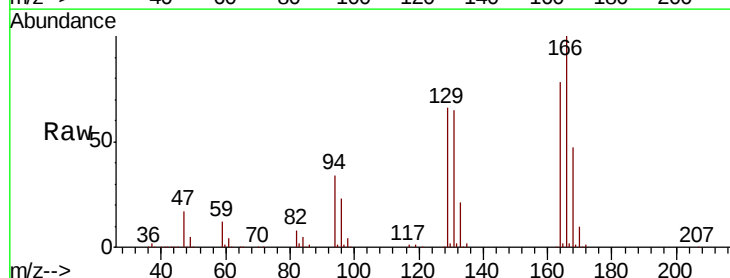
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 381829
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 47.576 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion:164 Resp: 157247
Ion Ratio Lower Upper
164 100
166 128.2 103.0 154.6
129 84.9 70.6 105.8
131 83.9 68.6 102.8

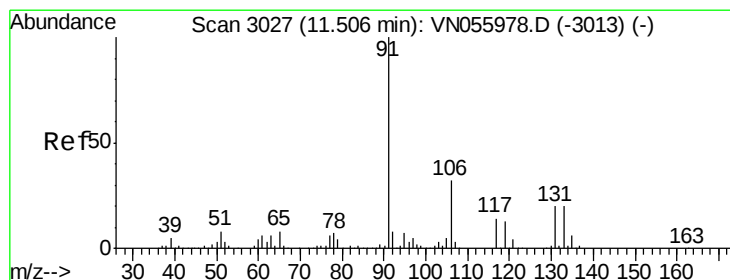
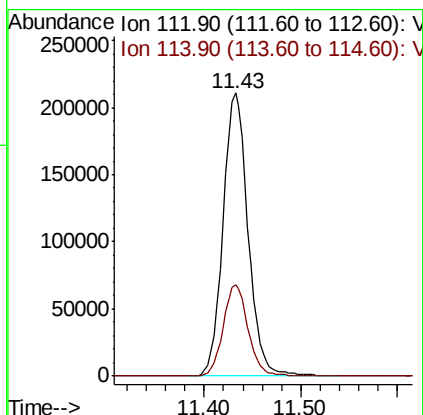
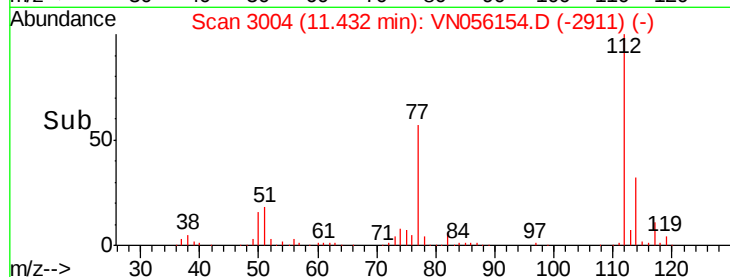
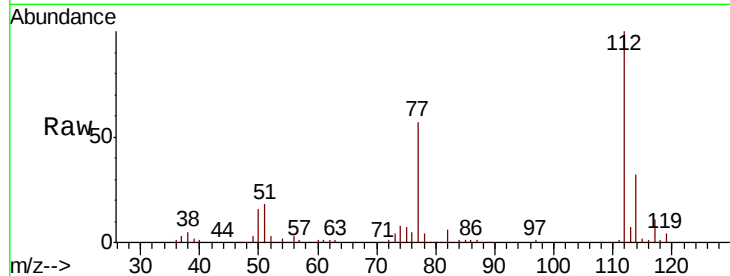




#65
Chlorobenzene
Concen: 49.702 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

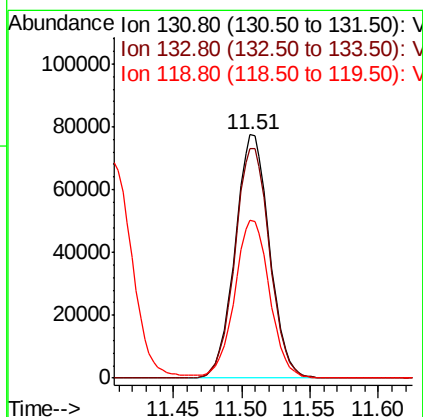
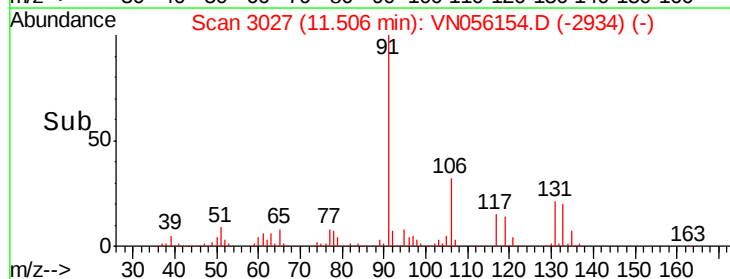
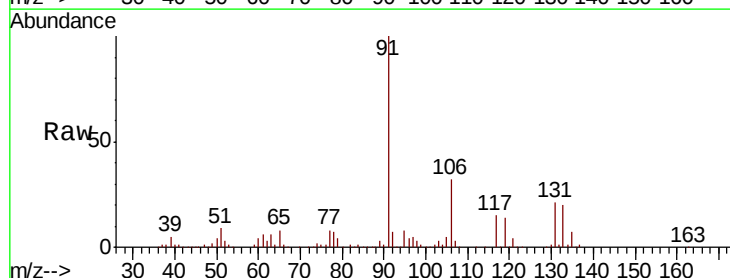
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

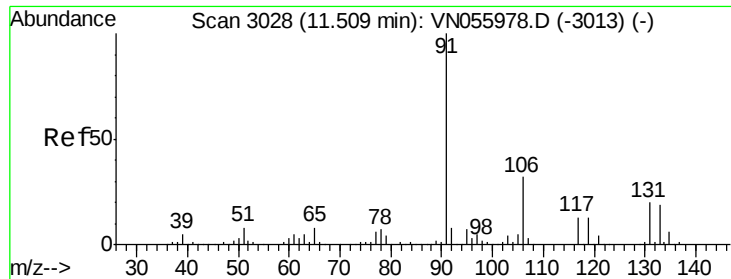
Tot Ion:112 Resp: 377691
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.668 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion:131 Resp: 135571
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.0
119 66.1 33.1 99.5

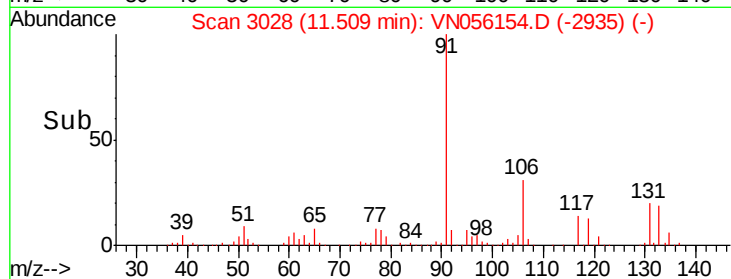
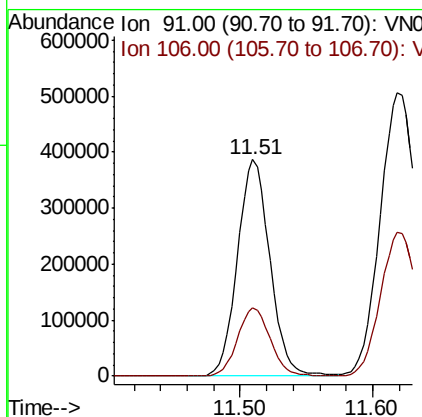
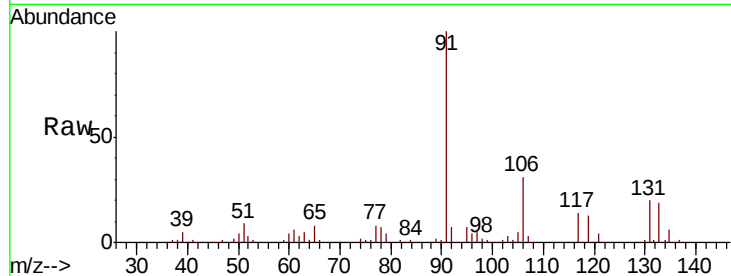




#67
Ethyl Benzene
Concen: 49.841 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

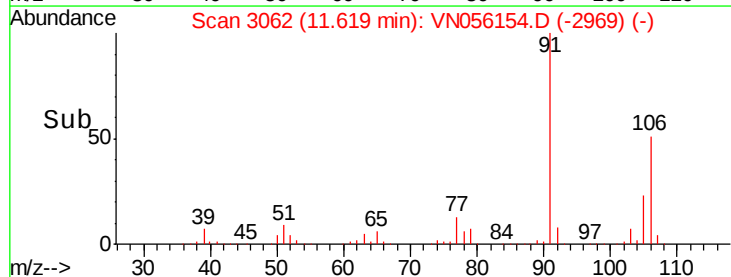
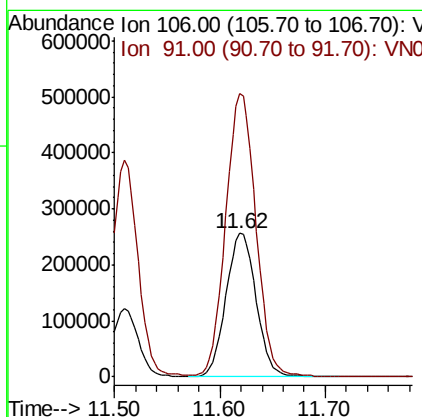
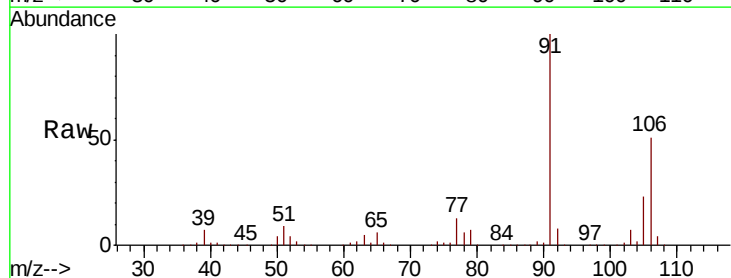
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

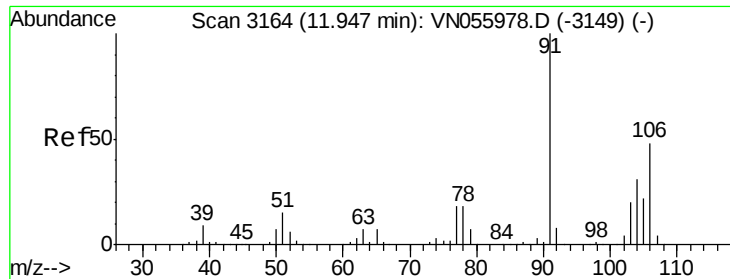
Tot Ion: 91 Resp: 658589
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7



#68
m/p-Xylenes
Concen: 100.621 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 106 Resp: 507912
Ion Ratio Lower Upper
106 100
91 197.2 159.3 238.9

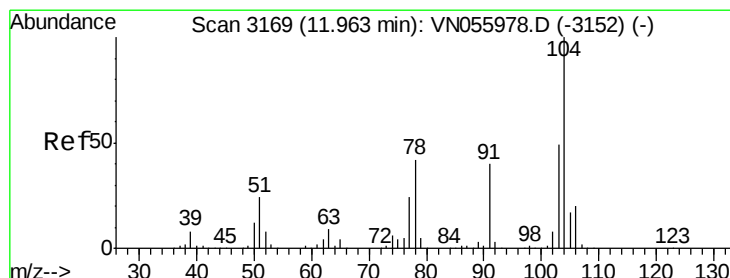
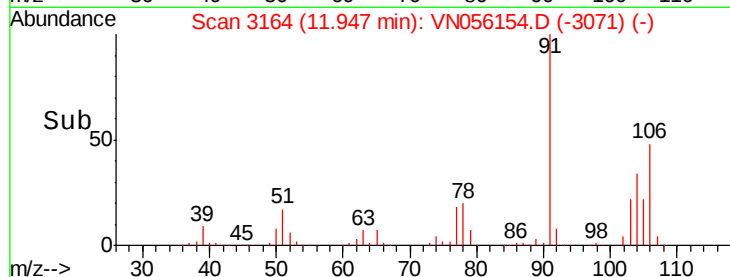
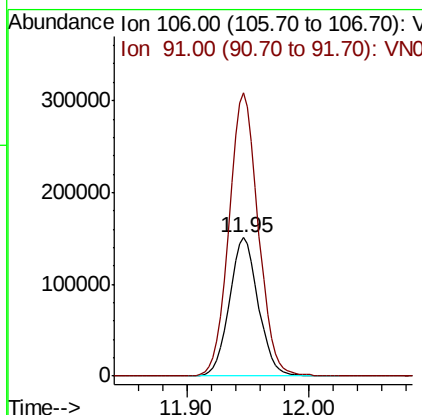
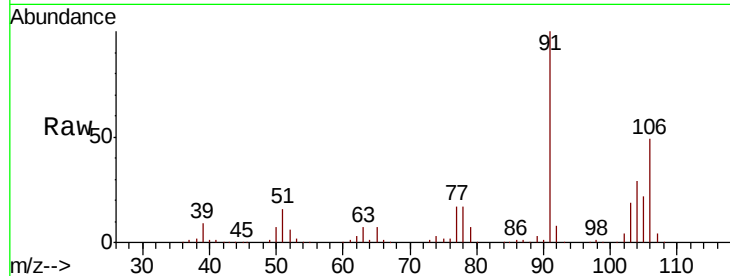




#69
o-Xylene
Concen: 50.144 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

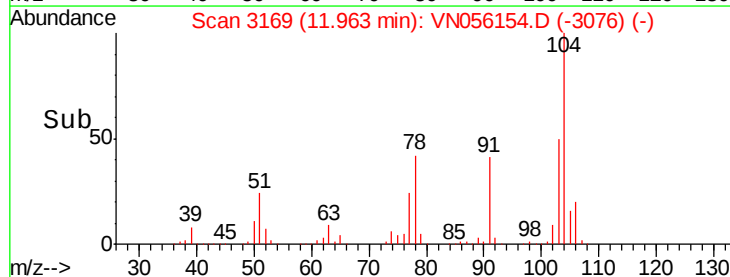
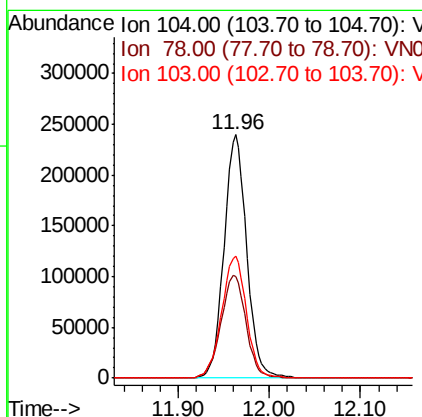
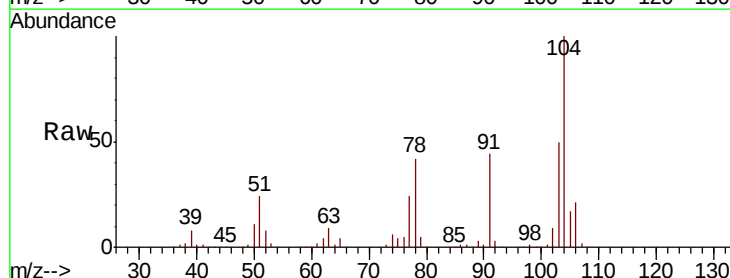
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 248981
Ion Ratio Lower Upper
106 100
91 207.0 104.7 314.1



#70
Styrene
Concen: 52.515 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion:104 Resp: 414299
Ion Ratio Lower Upper
104 100
78 46.7 37.8 56.6
103 54.9 44.2 66.2

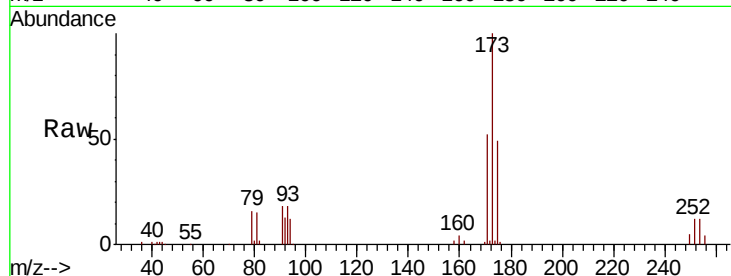




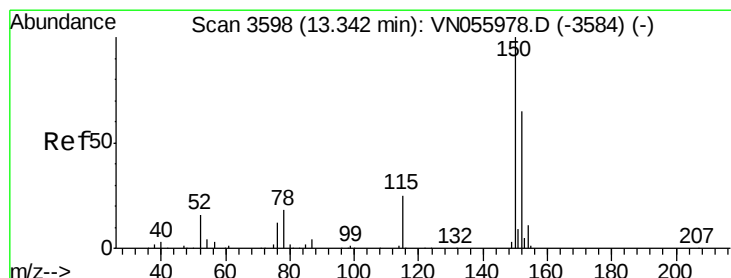
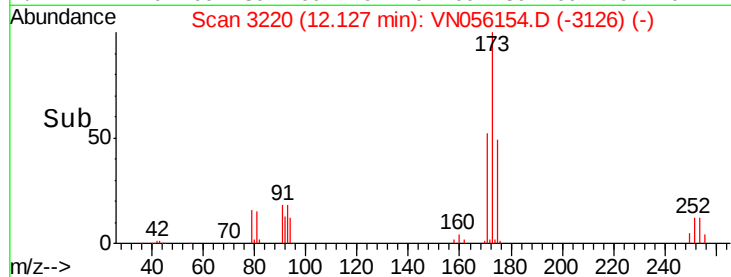
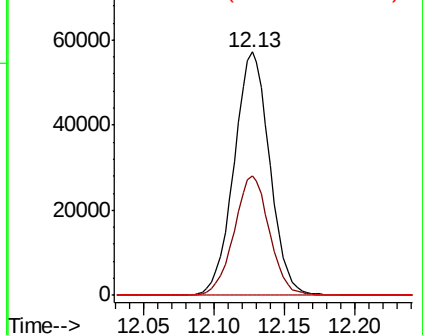
#71
Bromoform
Concen: 46.094 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 101041
Ion Ratio Lower Upper
173 100
175 48.6 24.3 72.8
254 0.0 0.0 0.0

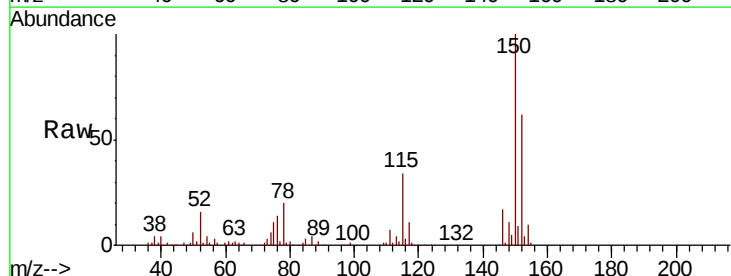


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

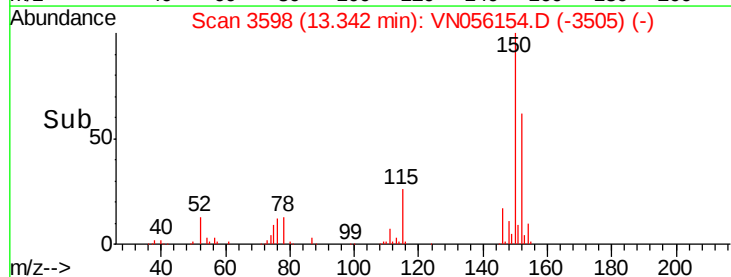
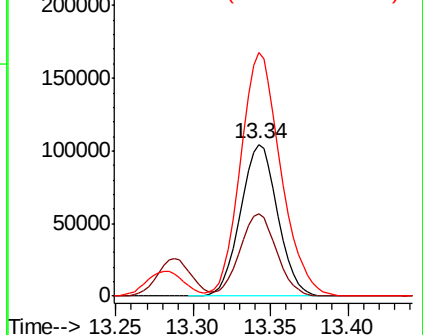


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion:152 Resp: 174394
Ion Ratio Lower Upper
152 100
115 53.7 27.0 81.0
150 173.9 0.0 343.2



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: 52.949 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

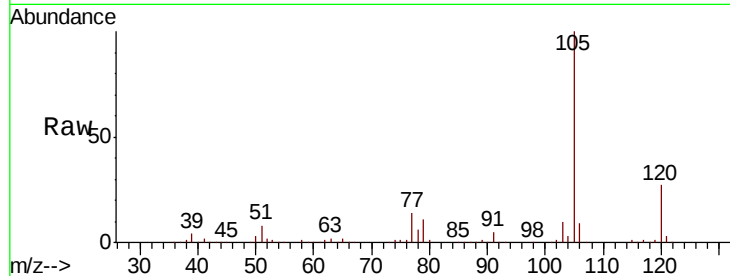
VSTDCCC050EC

Tot Ion:105 Resp: 656425

Ion Ratio Lower Upper

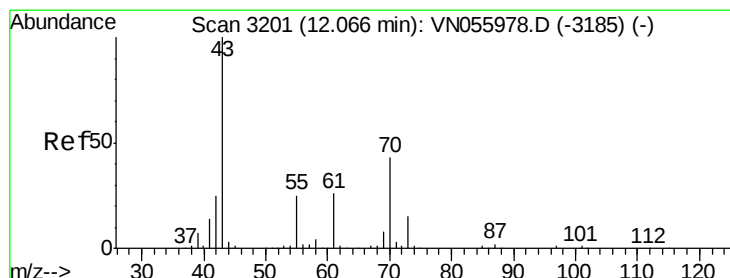
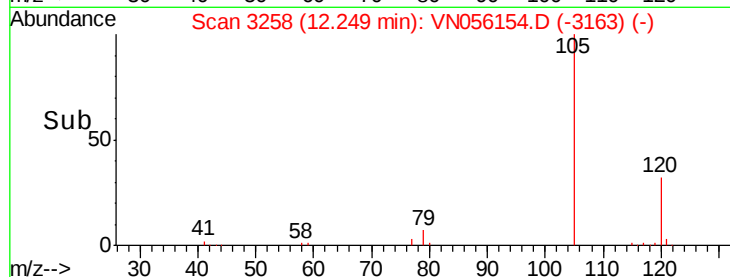
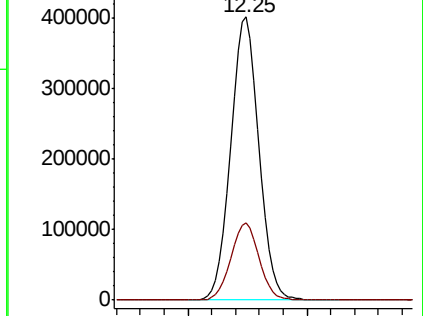
105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.125 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Tgt Ion: 43 Resp: 233017

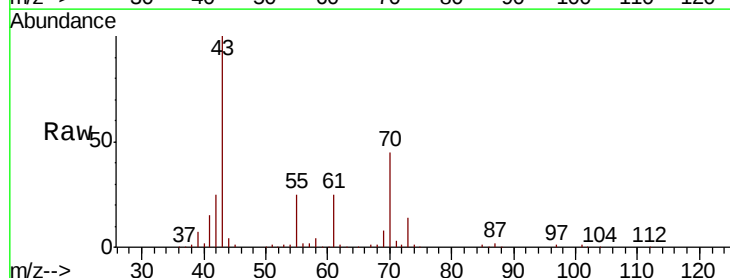
Ion Ratio Lower Upper

43 100

70 44.1 34.0 51.0

55 25.7 18.6 28.0

61 25.6 20.0 30.0

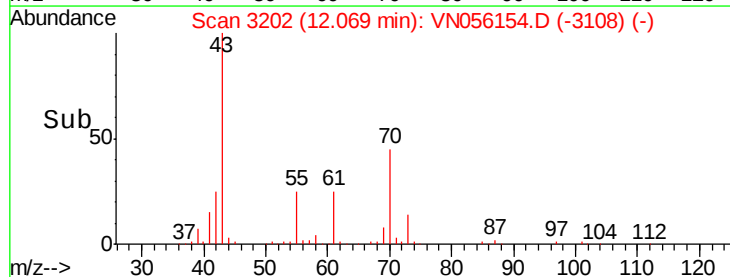
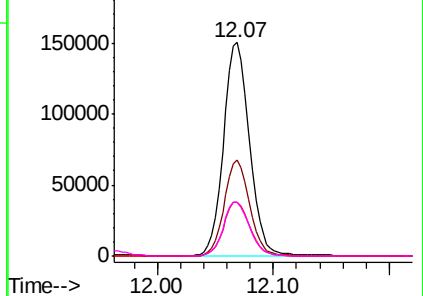


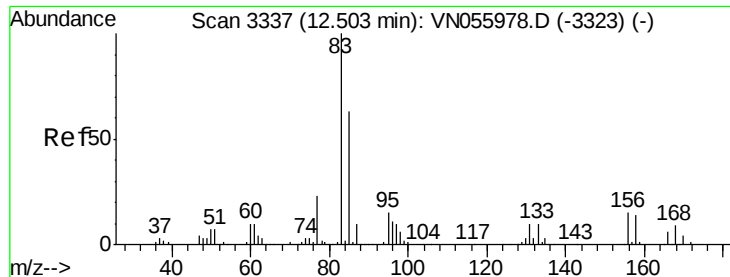
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.439 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

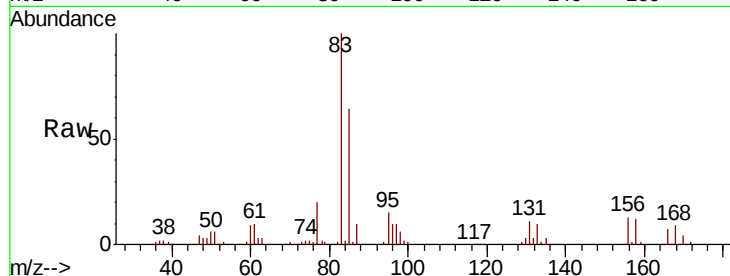
Tot Ion: 83 Resp: 204201

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

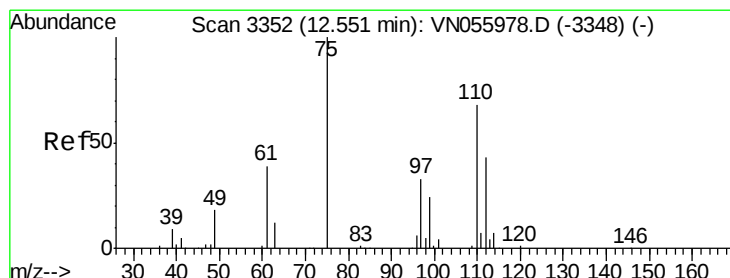
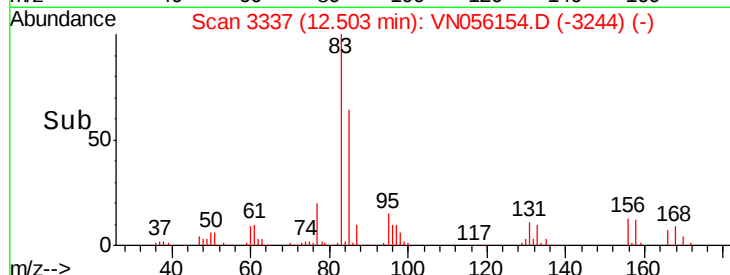
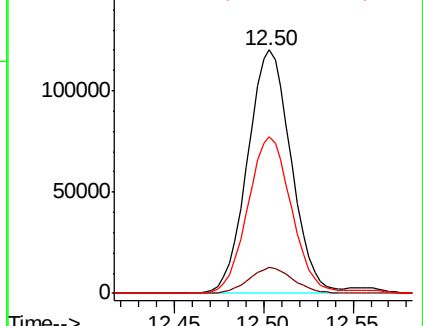
85 64.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 73.085 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056154.D

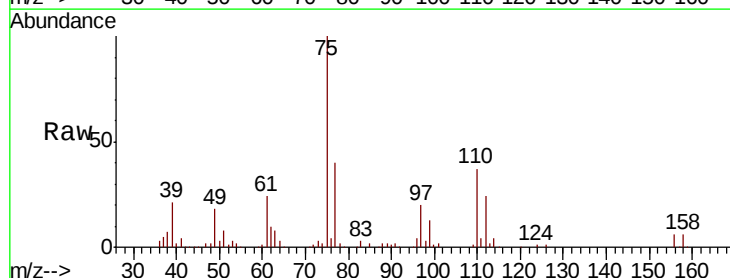
Acq: 8 Jun 2019 15:23

Tgt Ion: 75 Resp: 234526

Ion Ratio Lower Upper

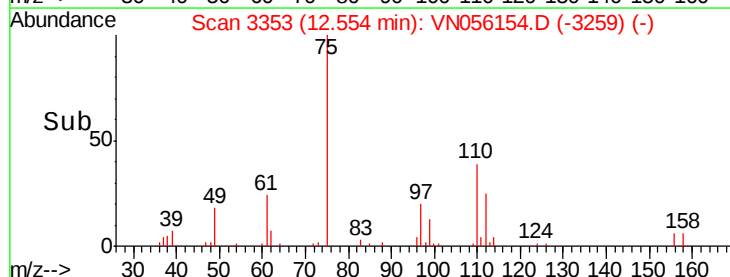
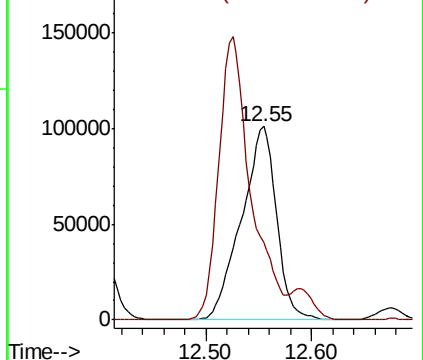
75 100

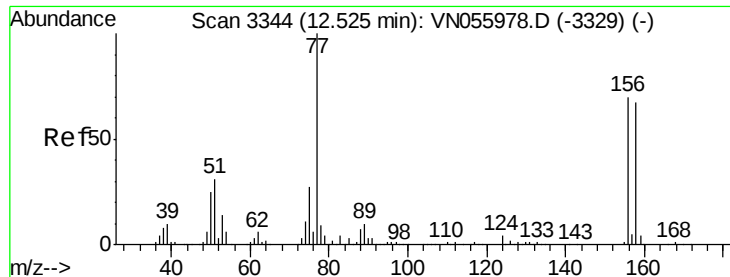
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.020 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

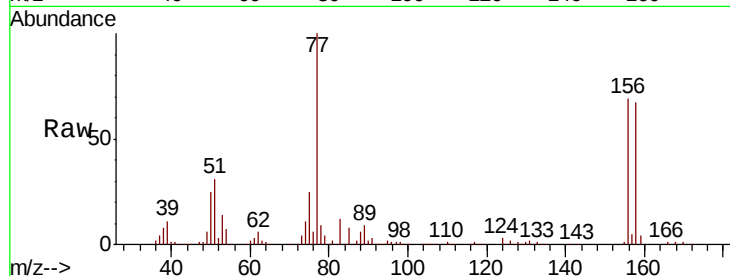
Tot Ion:156 Resp: 179294

Ion Ratio Lower Upper

156 100

77 174.8 90.8 272.5

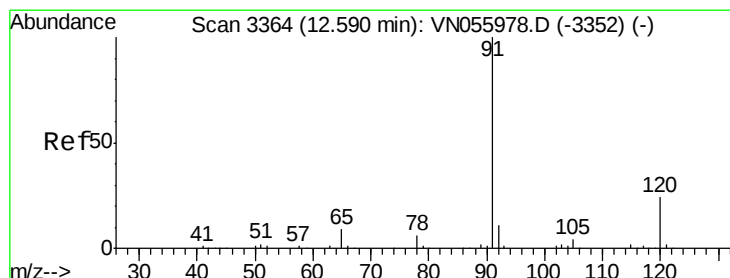
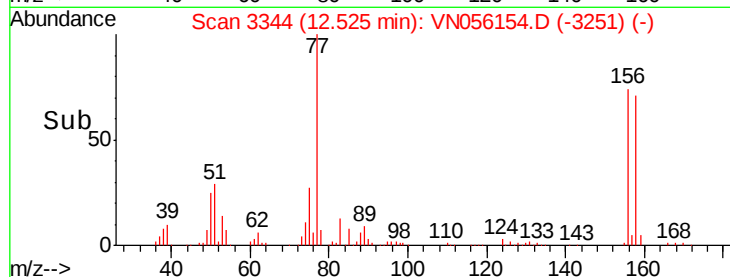
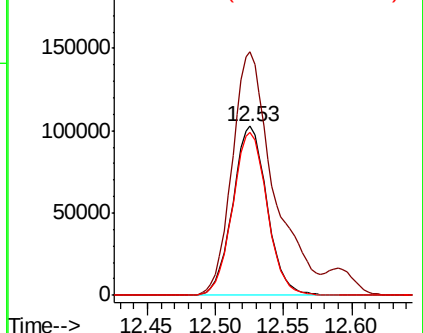
158 97.1 49.3 147.8



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: 47.721 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056154.D

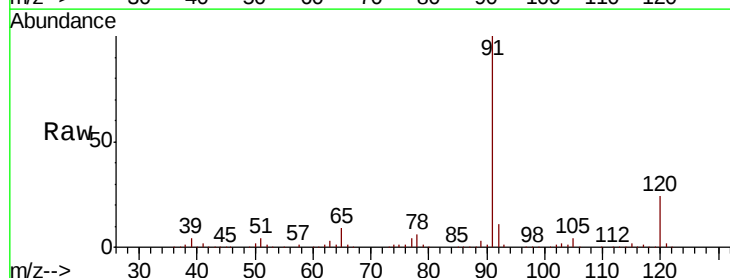
Acq: 8 Jun 2019 15:23

Tgt Ion: 91 Resp: 704057

Ion Ratio Lower Upper

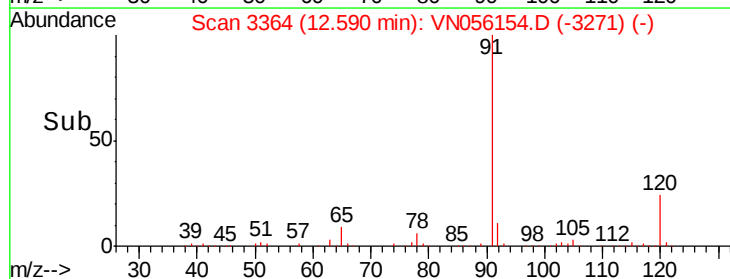
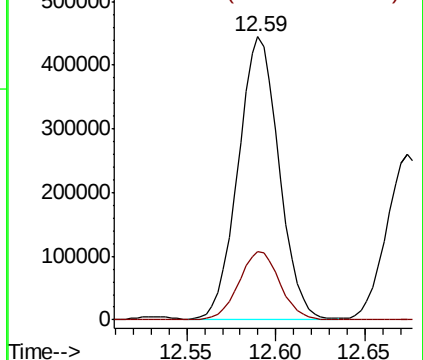
91 100

120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.680 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

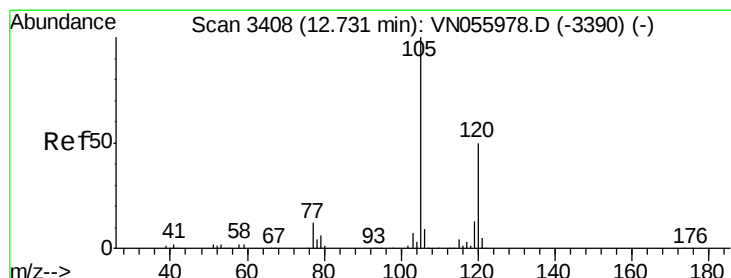
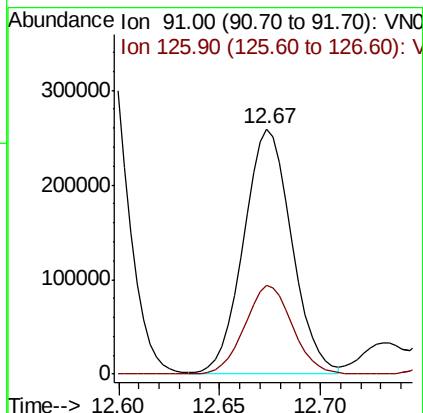
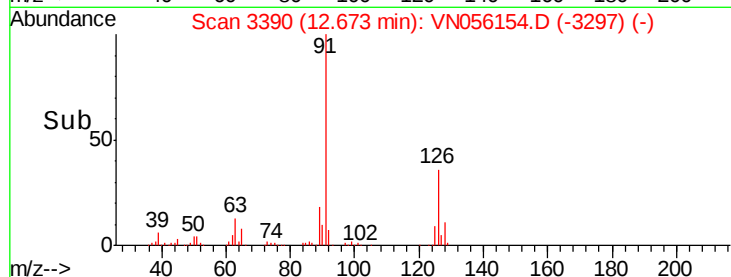
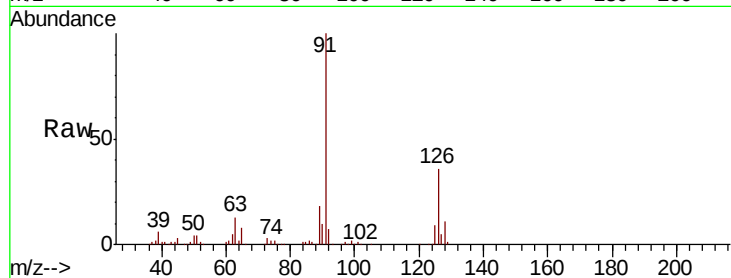
VSTDCCC050EC

Tot Ion: 91 Resp: 430078

Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 46.099 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056154.D

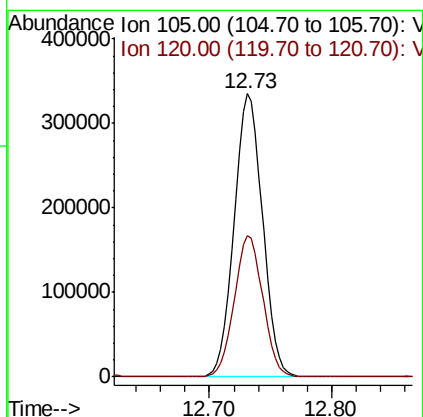
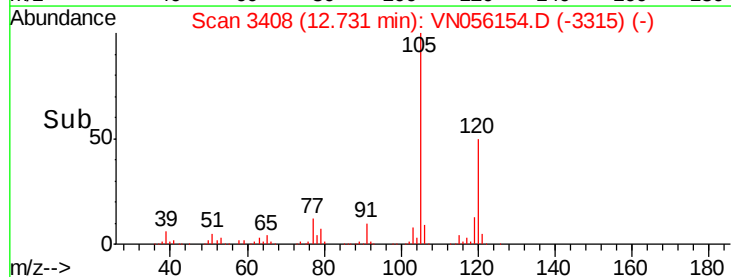
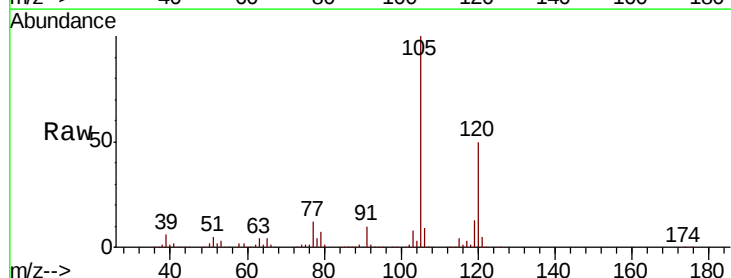
Acq: 8 Jun 2019 15:23

Tgt Ion: 105 Resp: 540534

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1

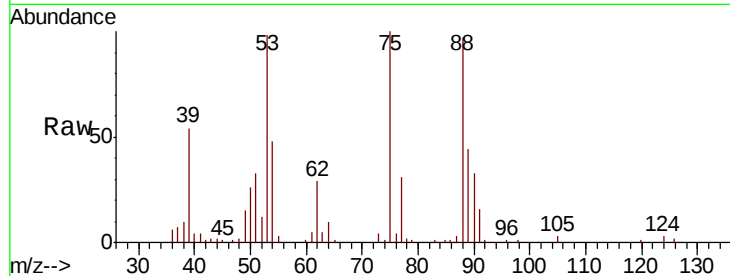




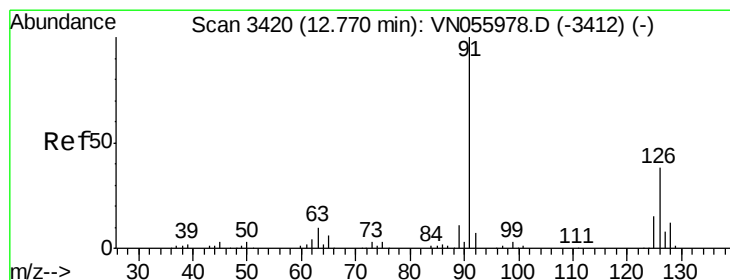
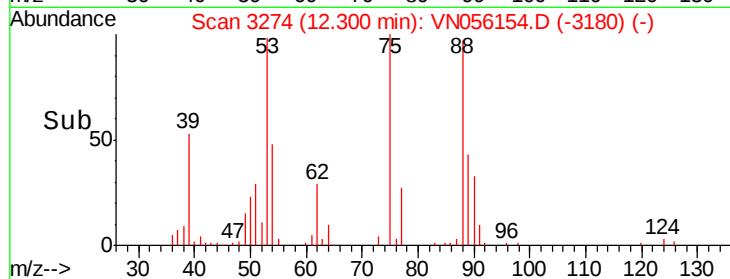
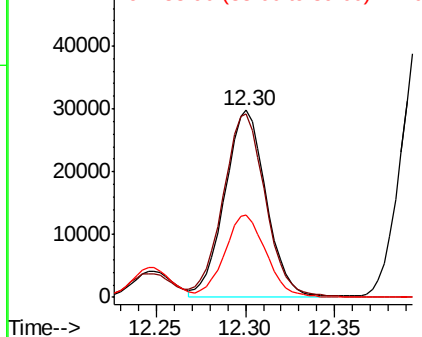
#81
trans-1,4-Dichloro-2-butene
Concen: 50.257 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 48427
Ion Ratio Lower Upper
75 100
53 100.0 68.1 102.1
89 43.8 36.9 55.3

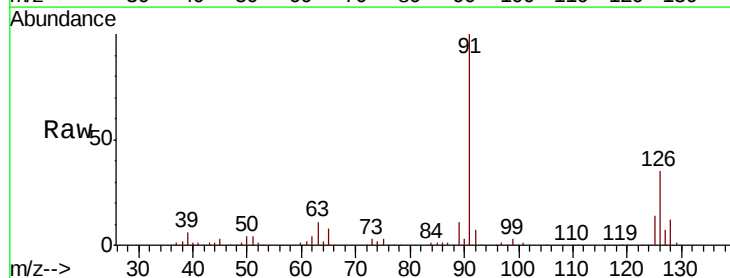


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

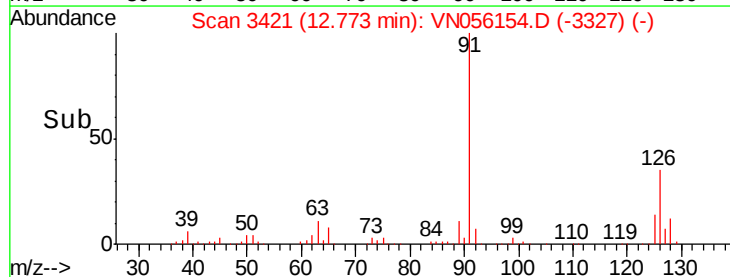
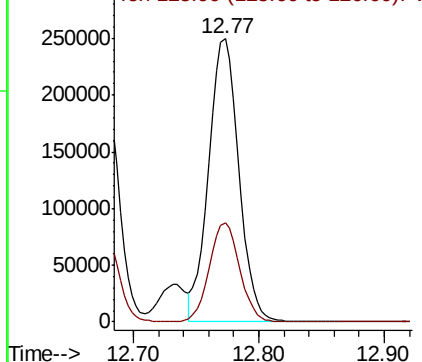


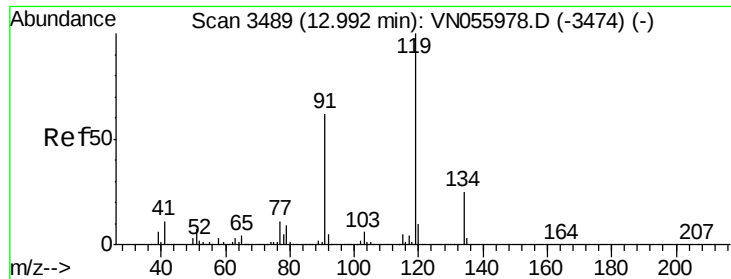
#82
4-Chlorotoluene
Concen: 48.356 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056154.D
Acq: 8 Jun 2019 15:23

Tgt Ion: 91 Resp: 417388
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

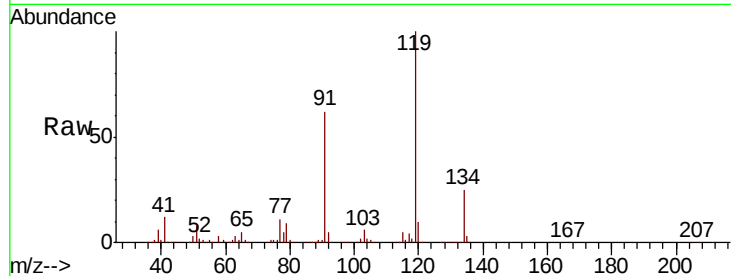




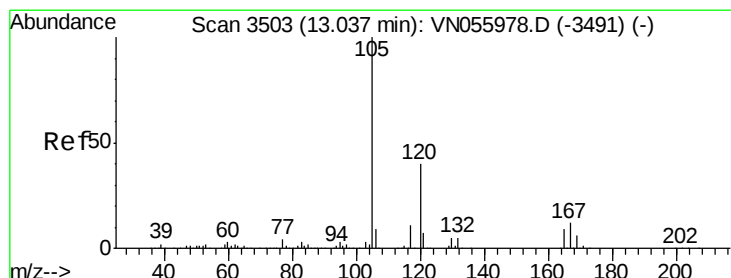
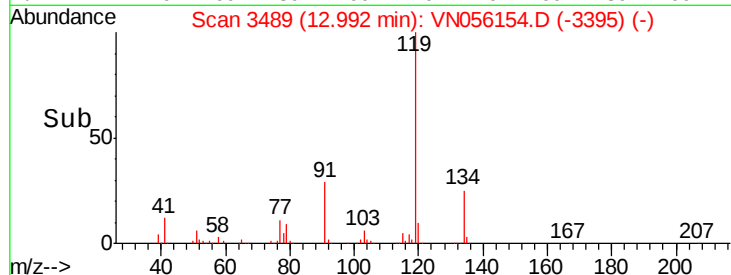
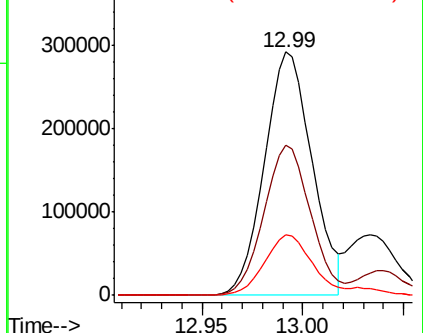
#83
 tert-Butylbenzene
 Concen: 52.782 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 478816
 Ion Ratio Lower Upper
 119 100
 91 60.8 30.9 92.8
 134 27.0 13.3 39.8

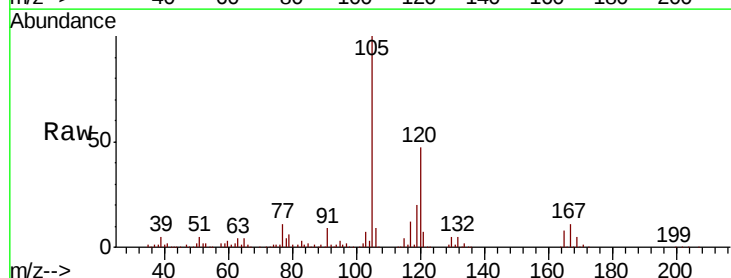


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

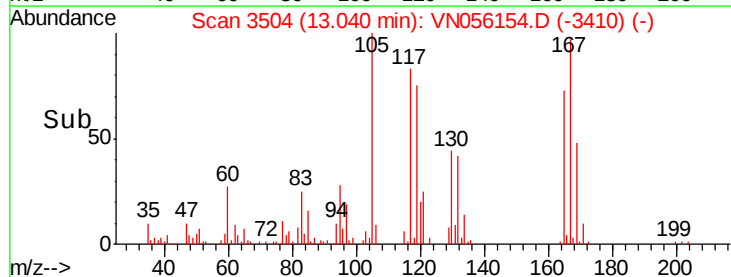
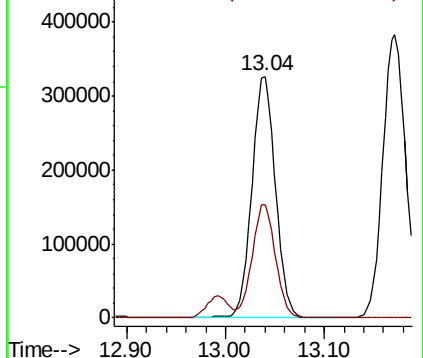


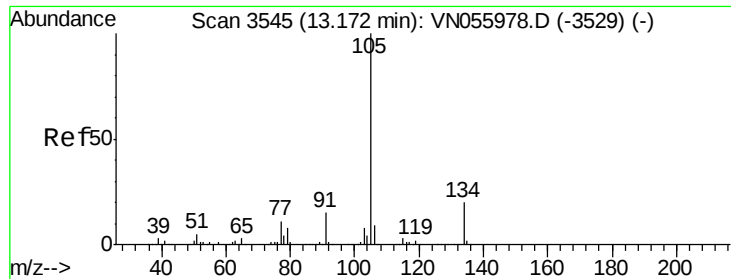
#84
 1,2,4-Trimethylbenzene
 Concen: 48.178 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion:105 Resp: 535705
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 47.073 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

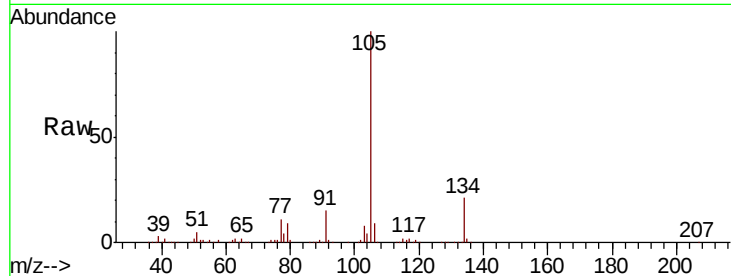
VSTDCCC050EC

Tot Ion:105 Resp: 615045

Ion Ratio Lower Upper

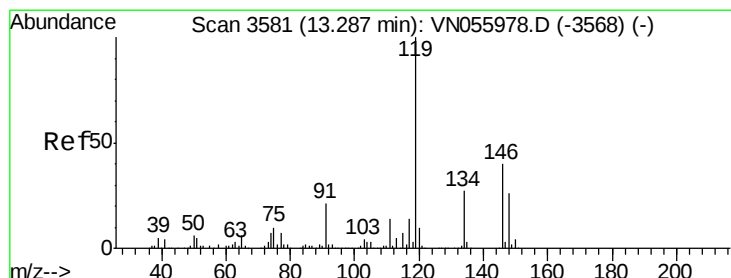
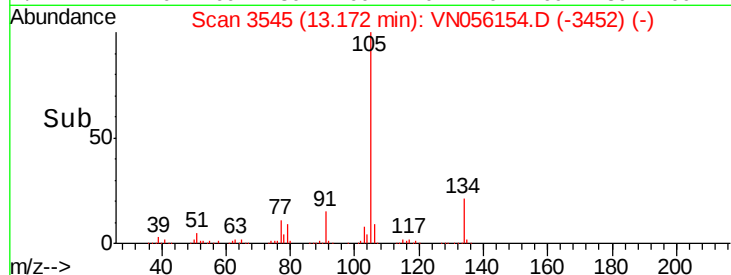
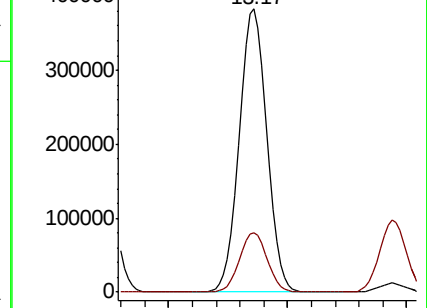
105 100

134 21.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.950 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

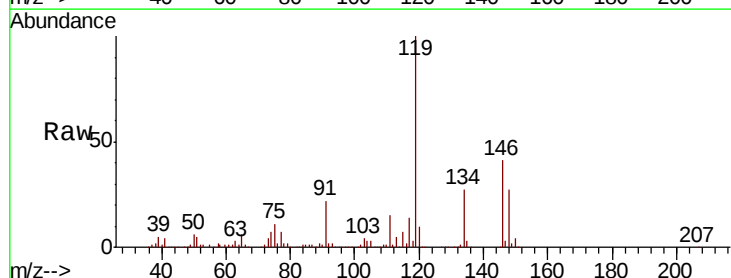
Tgt Ion:119 Resp: 560699

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

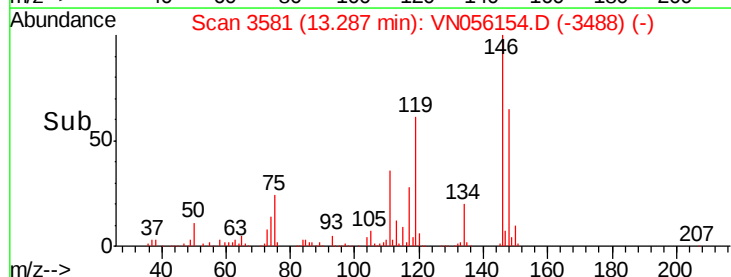
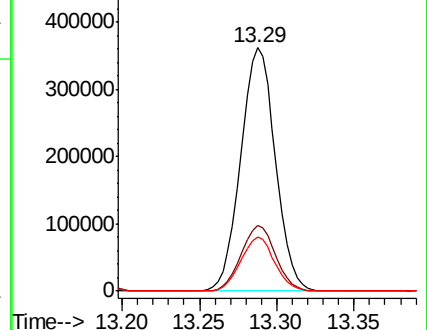
91 21.7 10.9 32.9

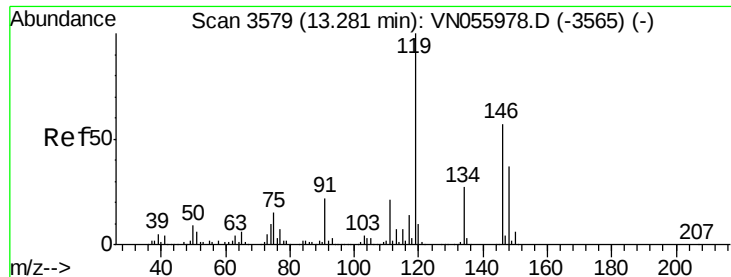


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

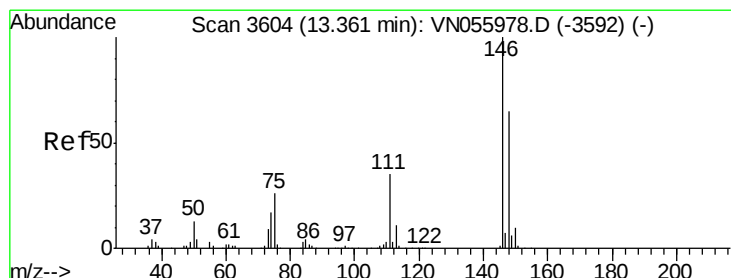
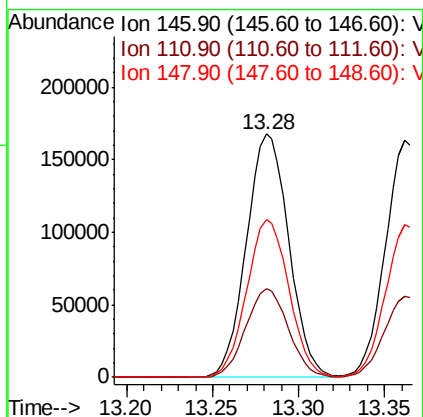
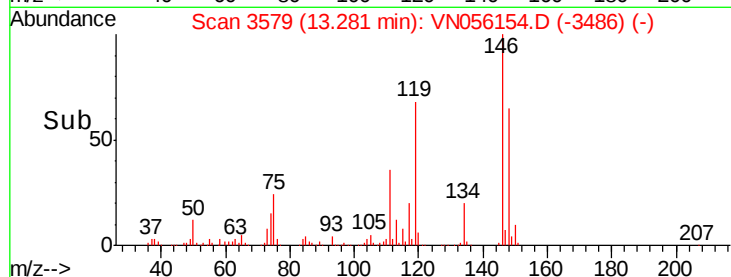
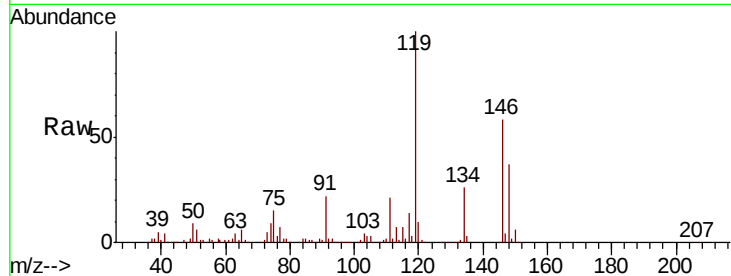




#87
 1,3-Dichlorobenzene
 Concen: 49.605 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

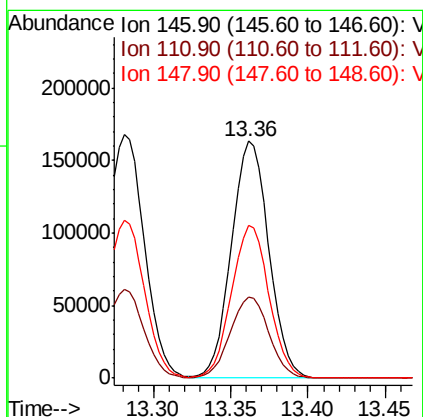
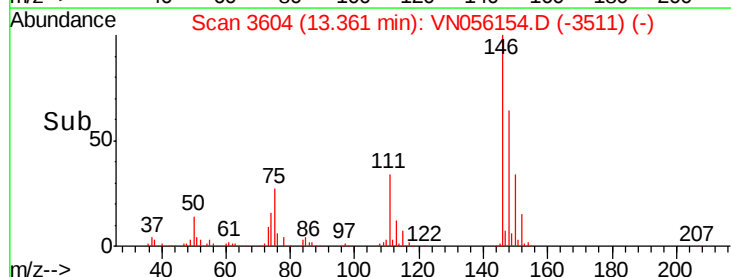
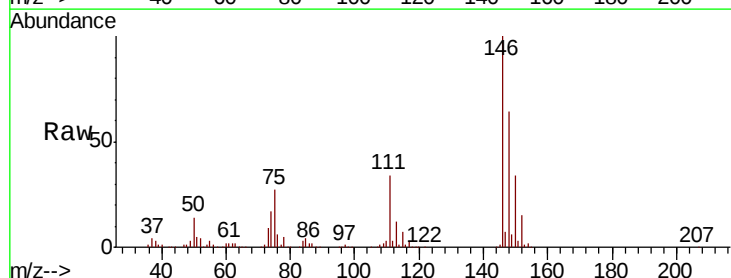
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

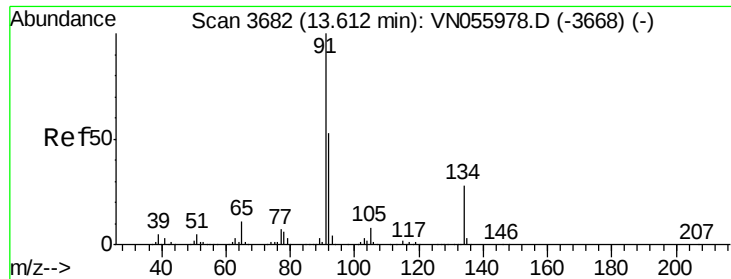
Tot Ion:146 Resp: 286656
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.5 55.5
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.276 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion:146 Resp: 273923
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.1 54.4
 148 64.7 32.1 96.5





#89

n-Butylbenzene

Concen: 48.872 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

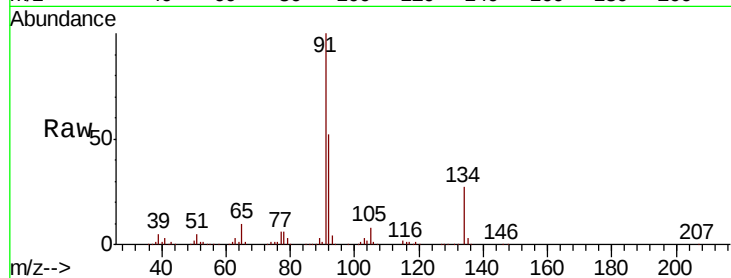
Tot Ion: 91 Resp: 423343

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.0

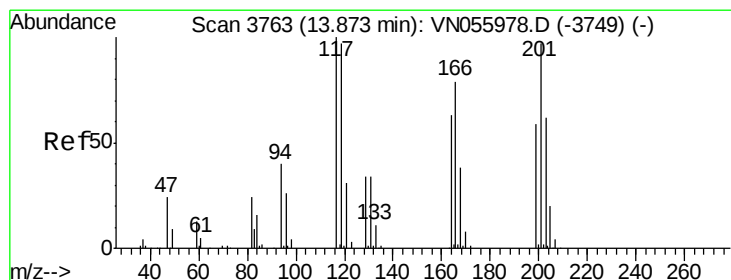
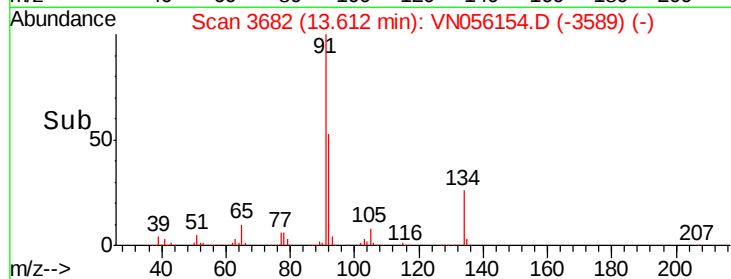
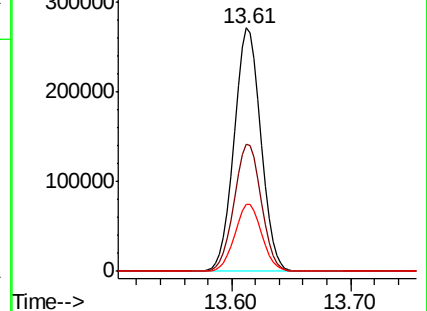
134 27.8 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)



#90

Hexachloroethane

Concen: 47.910 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056154.D

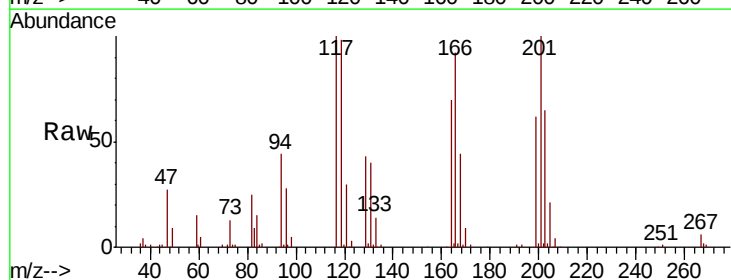
Acq: 8 Jun 2019 15:23

Tgt Ion: 117 Resp: 84488

Ion Ratio Lower Upper

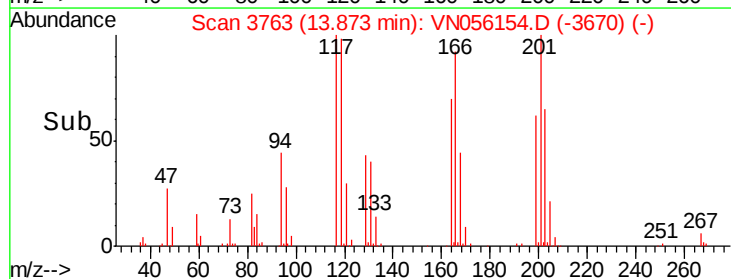
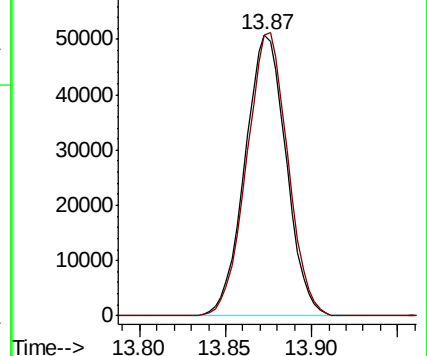
117 100

201 100.7 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 48.700 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

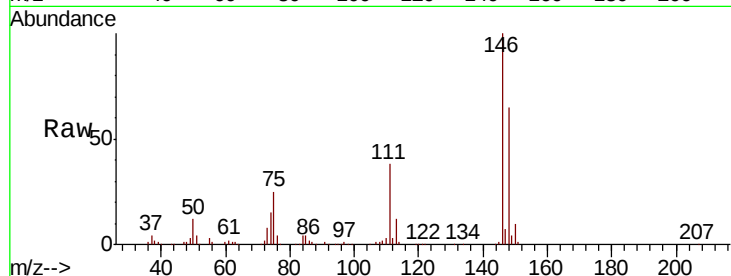
Tot Ion:146 Resp: 284128

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.5

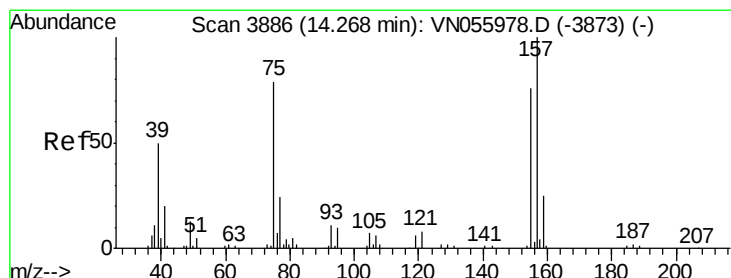
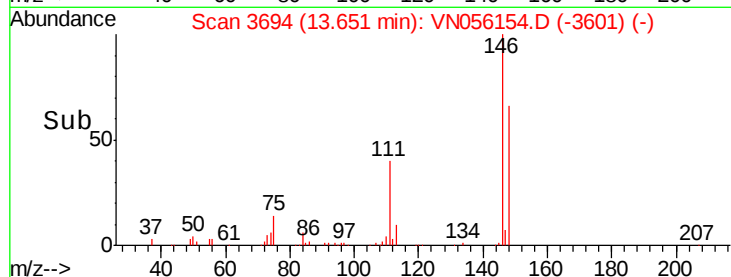
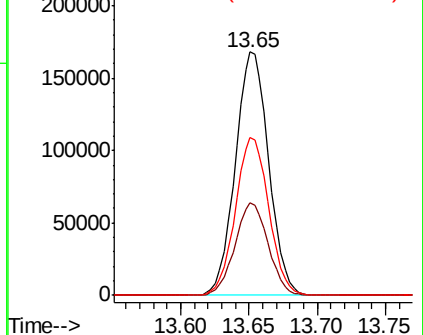
148 65.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.429 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

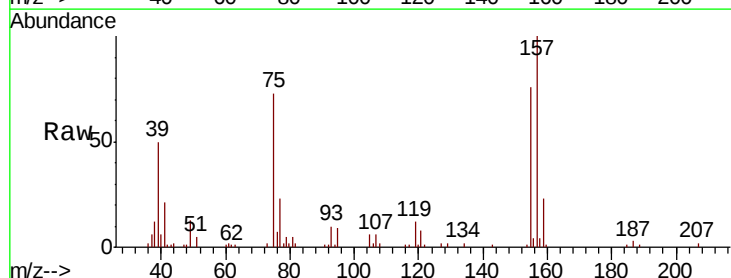
Tgt Ion: 75 Resp: 30359

Ion Ratio Lower Upper

75 100

155 105.4 50.0 150.1

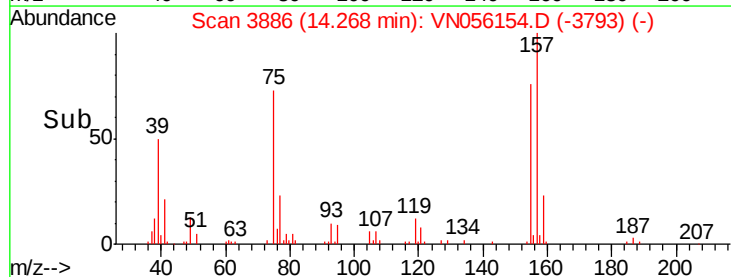
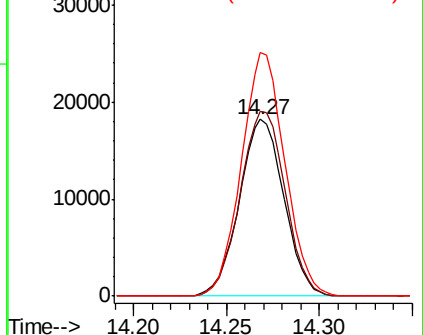
157 134.5 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

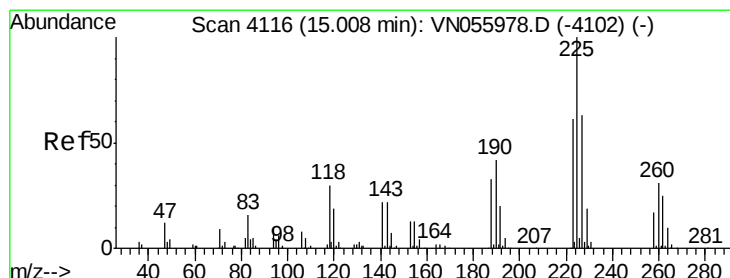
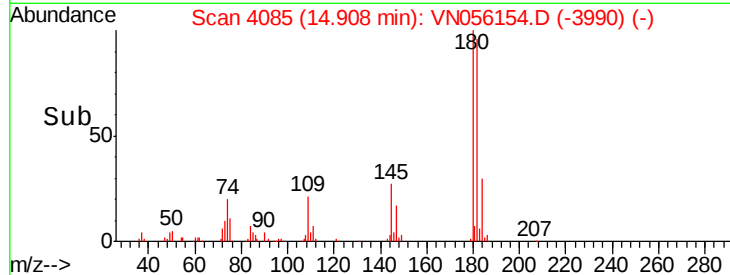
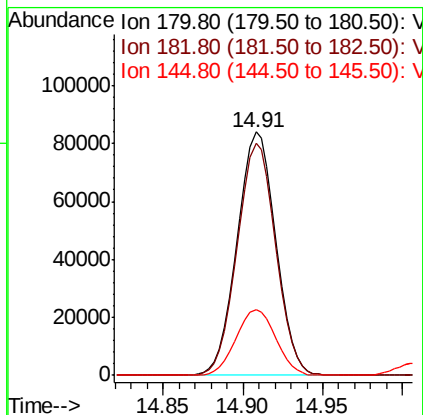
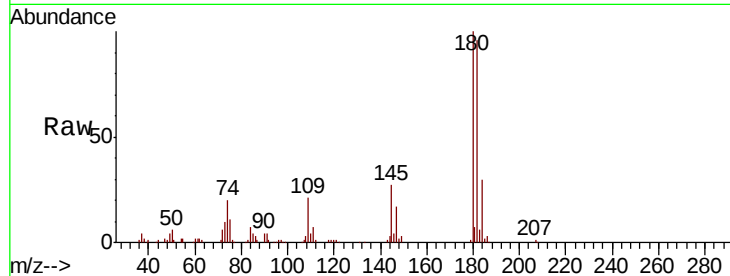




#93
 1,2,4-Trichlorobenzene
 Concen: 43.533 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

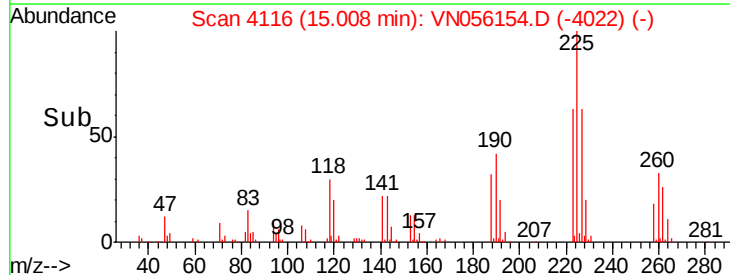
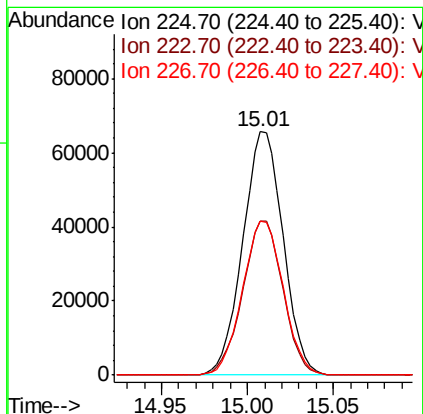
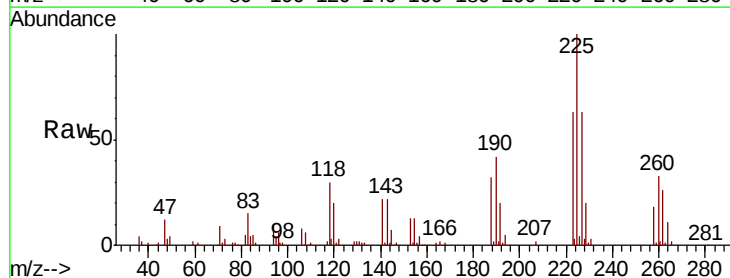
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 138020
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.3 144.9
 145 27.8 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 53.534 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056154.D
 Acq: 8 Jun 2019 15:23

Tgt Ion:225 Resp: 106828
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.7
 227 63.6 31.6 94.7





#95

Naphthalene

Concen: 44.265 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

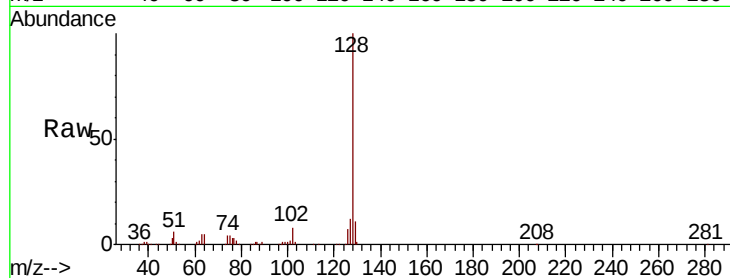
Tot Ion:128 Resp: 365239

Ion Ratio Lower Upper

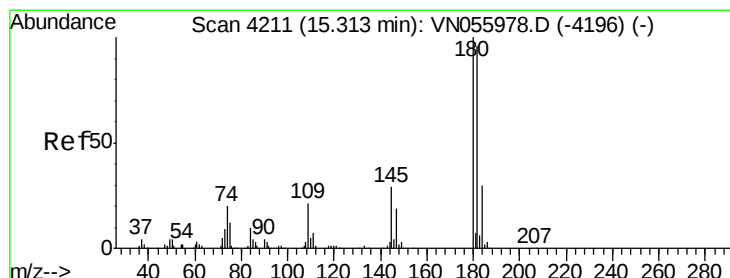
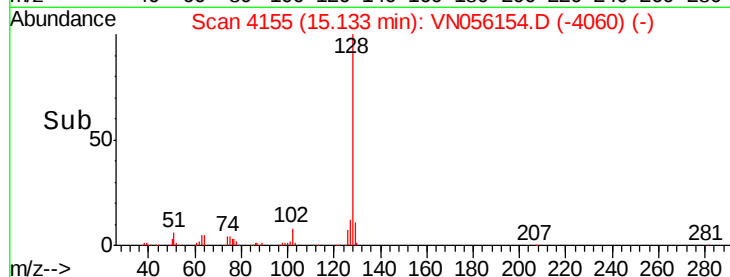
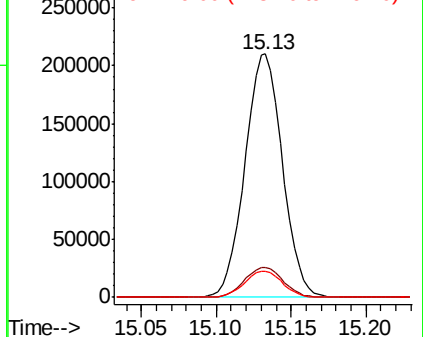
128 100

127 12.7 10.3 15.5

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.396 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056154.D

Acq: 8 Jun 2019 15:23

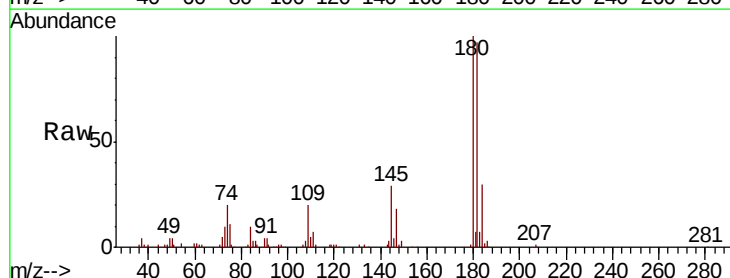
Tgt Ion:180 Resp: 151256

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.7

145 29.8 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

