

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057135.D
 Acq On : 9 Aug 2019 10:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 10 02:08:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1114857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1606990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1440457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	612553	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	518268	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
35) Dibromofluoromethane	6.99	113	483146	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	9.56	98	1820942	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.92	95	613127	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	415022	46.317	ug/l	100
3) Chloromethane	2.00	50	530238	44.537	ug/l	99
4) Vinyl Chloride	2.11	62	521067	47.086	ug/l	99
5) Bromomethane	2.43	94	369316	49.116	ug/l	100
6) Chloroethane	2.55	64	348416	49.085	ug/l	98
7) Trichlorofluoromethane	2.82	101	772167	48.543	ug/l	100
8) Diethyl Ether	3.14	74	303615	49.403	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	476744	49.440	ug/l	99
10) Methyl Iodide	3.62	142	744609	51.099	ug/l	100
11) Tert butyl alcohol	4.23	59	374715	229.662	ug/l	99
12) 1,1-Dichloroethene	3.43	96	472614	49.820	ug/l	99
13) Acrolein	3.31	56	210711	204.143	ug/l	98
14) Allyl chloride	3.91	41	689923	50.045	ug/l	100
15) Acrylonitrile	4.44	53	1113132	252.080	ug/l	98
16) Acetone	3.47	43	954043	275.529	ug/l	98
17) Carbon Disulfide	3.72	76	1239397	49.111	ug/l	99
18) Methyl Acetate	3.89	43	530105	51.402	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1480290	51.688	ug/l	98
20) Methylene Chloride	4.10	84	546396	47.814	ug/l	97
21) trans-1,2-Dichloroethene	4.51	96	514928	49.829	ug/l	97
22) Diisopropyl ether	5.32	45	1495115	49.720	ug/l	96
23) Vinyl Acetate	5.26	43	6013162	261.136	ug/l	99
24) 1,1-Dichloroethane	5.25	63	908563	49.150	ug/l	97
25) 2-Butanone	6.20	43	1415525	267.570	ug/l	99
26) 2,2-Dichloropropane	6.21	77	734017	54.579	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	605824	51.174	ug/l	99
28) Bromochloromethane	6.59	49	406988	47.866	ug/l	97
29) Tetrahydrofuran	6.60	42	907977	254.779	ug/l	100
30) Chloroform	6.76	83	937282	48.989	ug/l	99
31) Cyclohexane	7.07	56	778857	46.832	ug/l	100
32) 1,1,1-Trichloroethane	6.98	97	813968	50.715	ug/l	100
36) 1,1-Dichloropropene	7.20	75	699861	52.895	ug/l	99
37) Ethyl Acetate	6.28	43	574236	52.649	ug/l #	100
38) Carbon Tetrachloride	7.18	117	711044	51.565	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	840428	52.232	ug/l	96
40) Benzene	7.46	78	2149627	51.320	ug/l	99
41) Methacrylonitrile	6.54	41	303716	54.819	ug/l	98
42) 1,2-Dichloroethane	7.54	62	676441	50.637	ug/l	98
43) Isopropyl Acetate	7.56	43	976860	52.482	ug/l	98
44) Trichloroethene	8.27	130	605198	51.573	ug/l	99
45) 1,2-Dichloropropane	8.56	63	564439	52.044	ug/l	97
46) Dibromomethane	8.65	93	362717	52.160	ug/l	99
47) Bromodichloromethane	8.85	83	727921	54.099	ug/l	99
48) Methyl methacrylate	8.64	41	447925	51.035	ug/l	99
49) 1,4-Dioxane	8.64	88	195379	1092.986	ug/l	97
51) 4-Methyl-2-Pentanone	9.44	43	2824695	260.756	ug/l	98
52) Toluene	9.63	92	1367489	52.596	ug/l	100
53) t-1,3-Dichloropropene	9.86	75	784626	55.818	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	890693	55.221	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	526757	51.521	ug/l	99
56) Ethyl methacrylate	9.90	69	771515	53.894	ug/l	100
57) 1,3-Dichloropropane	10.19	76	878330	52.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	1341456	235.793	ug/l	99
59) 2-Hexanone	10.24	43	2021286	275.700	ug/l	100
60) Dibromochloromethane	10.39	129	590774	55.018	ug/l	99
61) 1,2-Dibromoethane	10.50	107	546052	51.757	ug/l	98
64) Tetrachloroethene	10.11	164	611955	51.084	ug/l	97
65) Chlorobenzene	10.93	112	1498472	51.702	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	566782	52.307	ug/l	99
67) Ethyl Benzene	11.01	91	2628491	52.694	ug/l	100
68) m/p-Xylenes	11.12	106	1987915	108.174	ug/l	99
69) o-Xylene	11.46	106	965618	52.796	ug/l	100
70) Styrene	11.47	104	1600414	56.023	ug/l	99
71) Bromoform	11.64	173	441747	55.655	ug/l	99
73) Isopropylbenzene	11.76	105	2609075	52.423	ug/l	99
74) N-amyl acetate	11.58	43	770608	49.644	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.02	83	714088	53.776	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	867200	73.959	ug/l #	100
77) Bromobenzene	12.04	156	679890	46.178	ug/l	99
78) n-propylbenzene	12.11	91	2835562	48.252	ug/l	100
79) 2-Chlorotoluene	12.19	91	1714131	52.447	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	2194355	46.401	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	218416	52.428	ug/l	98
82) 4-Chlorotoluene	12.30	91	1651197	48.527	ug/l	100
83) tert-Butylbenzene	12.52	119	1912024	51.345	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	2087268	45.663	ug/l	99
85) sec-Butylbenzene	12.70	105	2483254	46.530	ug/l	99
86) p-Isopropyltoluene	12.82	119	2221105	47.429	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	1090279	52.014	ug/l	99
88) 1,4-Dichlorobenzene	12.89	146	1023676	51.544	ug/l	99
89) n-Butylbenzene	13.15	91	1629851	50.376	ug/l	99
90) Hexachloroethane	13.41	117	388001	52.164	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	1066847	50.968	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	107833	50.078	ug/l	96

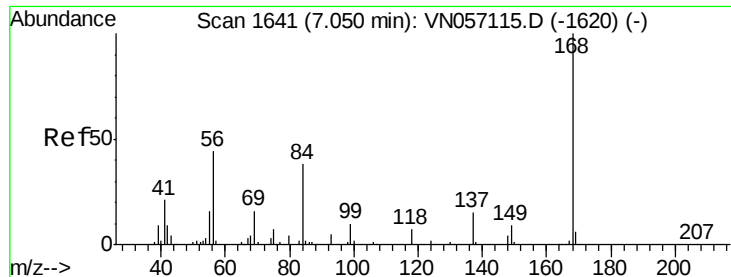
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	440190	49.634	ug/l	100
94) Hexachlorobutadiene	14.55	225	446262	61.994	ug/l	98
95) Naphthalene	14.67	128	867854	49.027	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	427130	46.919	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

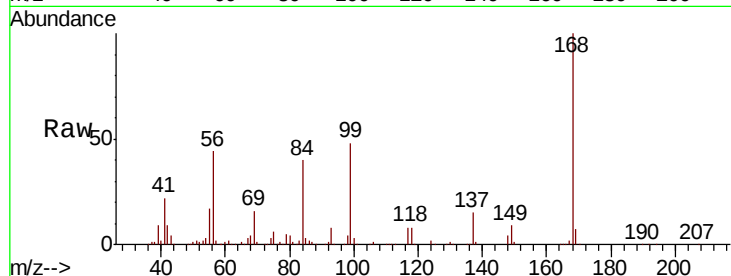
VSTDCCC050

Tgt Ion:168 Resp: 1114857

Ion Ratio Lower Upper

168 100

99 48.1 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057115.D (-1620) (-)

Ion 98.90 (98.60 to 99.60): VN057115.D (-1620) (-)

7.05

400000

300000

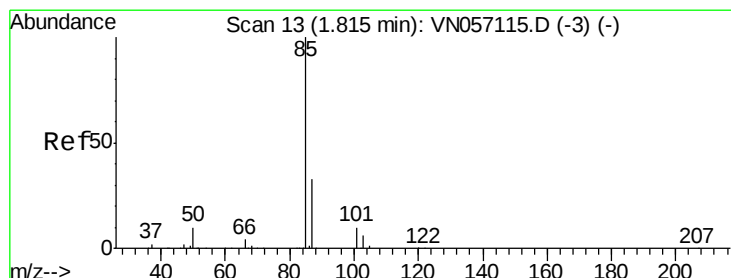
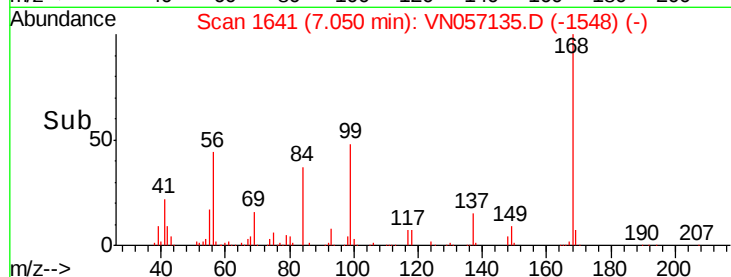
200000

100000

0

7.00 7.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.317 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057135.D

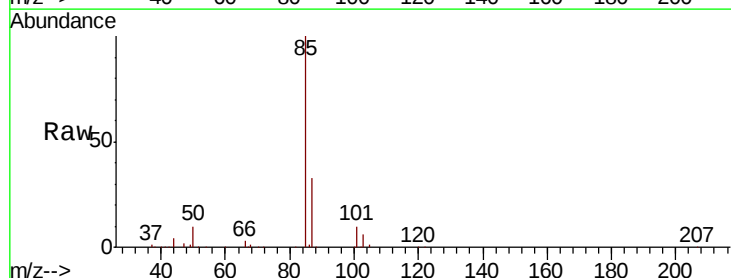
Acq: 9 Aug 2019 10:23

Tgt Ion: 85 Resp: 415022

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN057115.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VN057115.D (-3) (-)

1.82

300000

250000

200000

150000

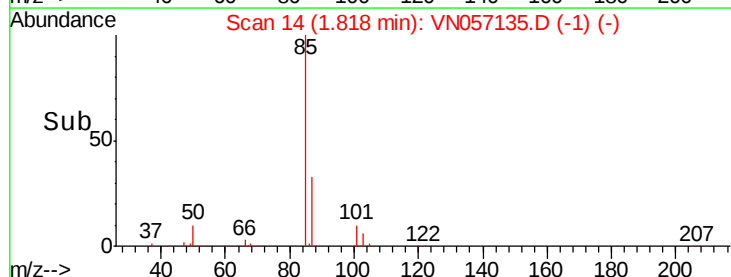
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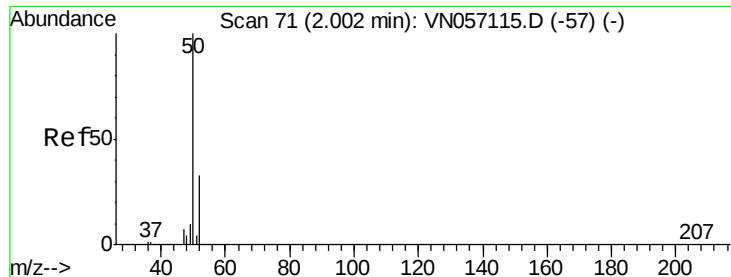
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 44.537 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

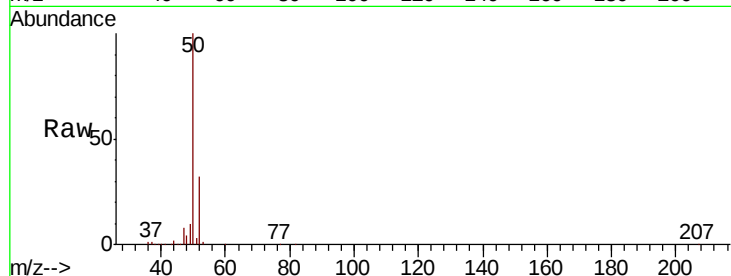
VSTDCCC050

Tgt Ion: 50 Resp: 530238

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN057115.D (-57) (-)

Ion 51.90 (51.60 to 52.60): VN057115.D (-57) (-)

2.00

400000

300000

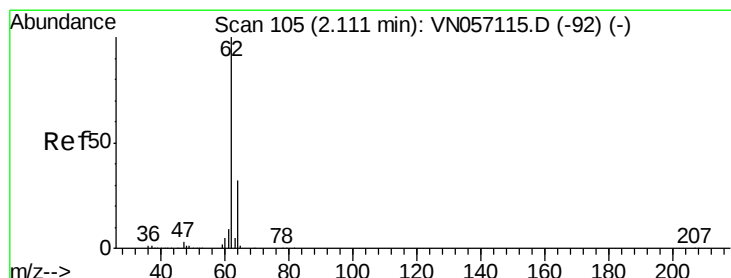
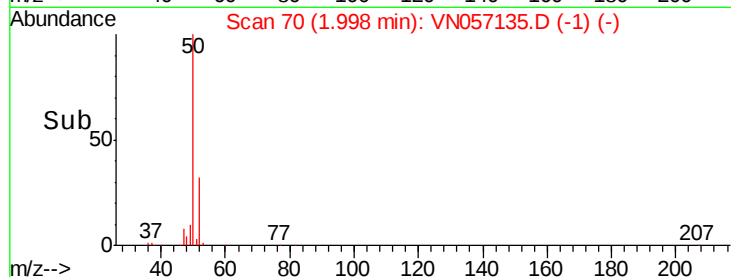
200000

100000

0

1.95 2.00 2.05

Time-->



#4

Vinyl Chloride

Concen: 47.086 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057135.D

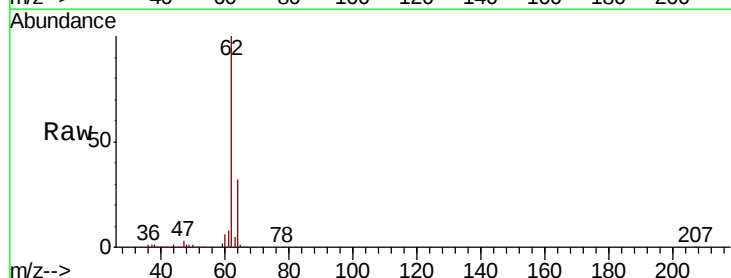
Acq: 9 Aug 2019 10:23

Tgt Ion: 62 Resp: 521067

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN057115.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN057115.D (-92) (-)

2.11

400000

300000

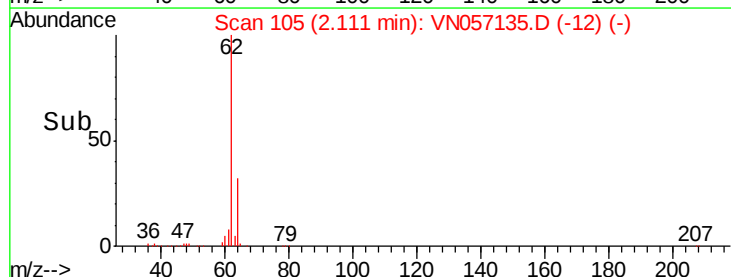
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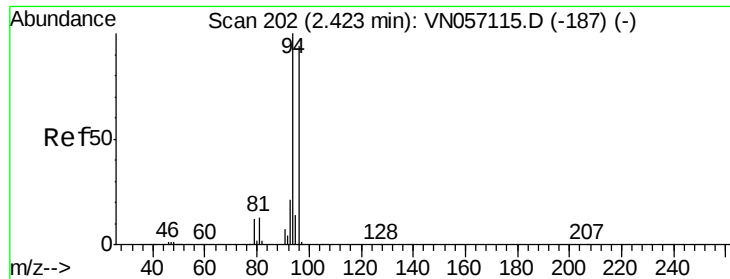
100000

0

2.00 2.10 2.20

Time-->





#5

Bromomethane

Concen: 49.116 ug/l

RT: 2.43 min Scan# 203

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

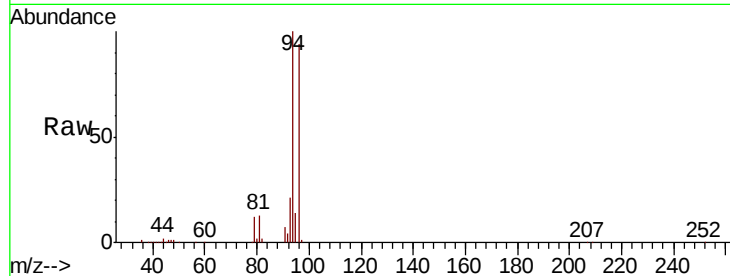
VSTDCCC050

Tgt Ion: 94 Resp: 369316

Ion Ratio Lower Upper

94 100

96 93.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.43

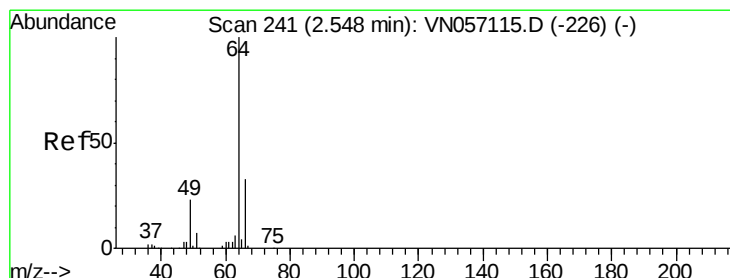
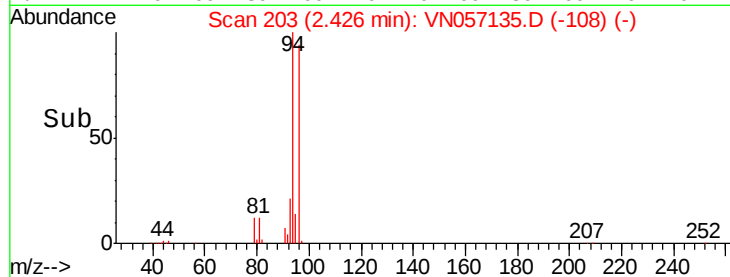
150000

100000

50000

0

Time--> 2.30 2.40 2.50 2.60



#6

Chloroethane

Concen: 49.085 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN057135.D

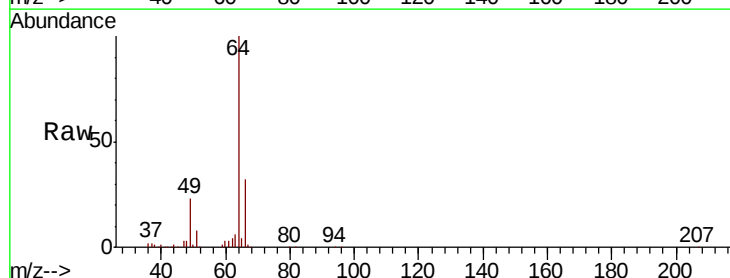
Acq: 9 Aug 2019 10:23

Tgt Ion: 64 Resp: 348416

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.55

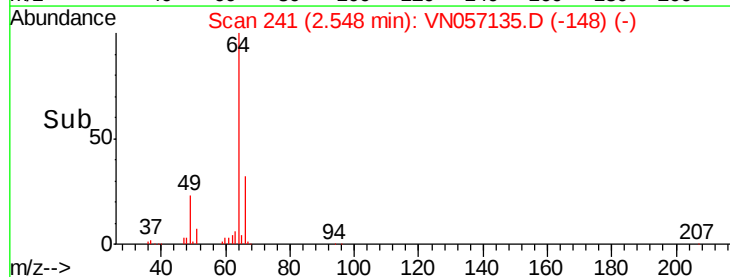
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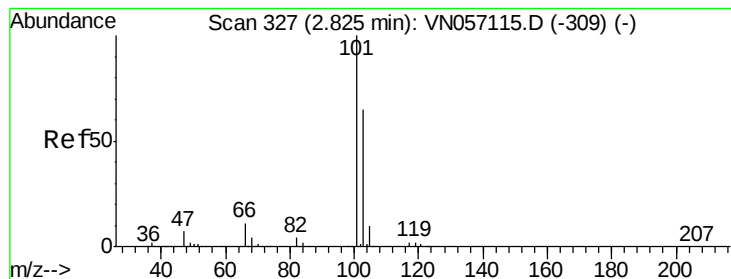
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50000

0

Time--> 2.50 2.60 2.70



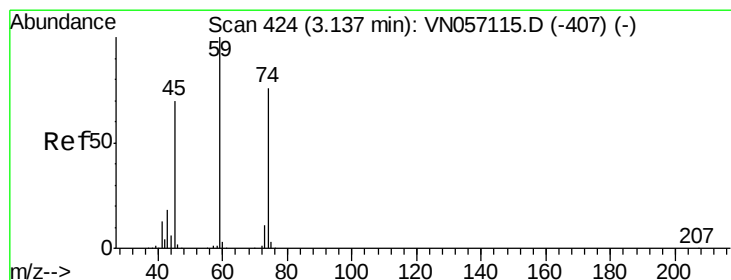
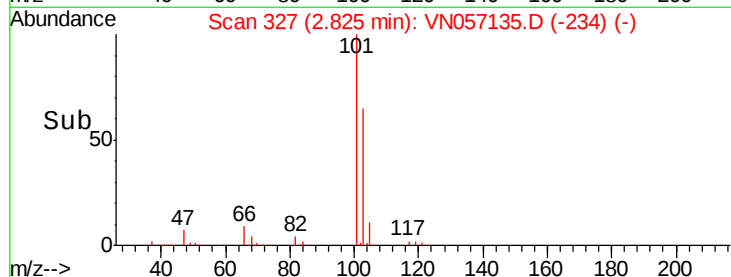
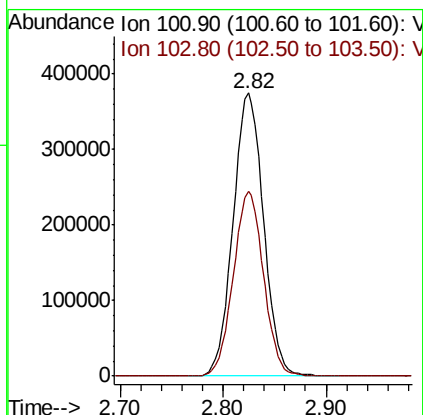
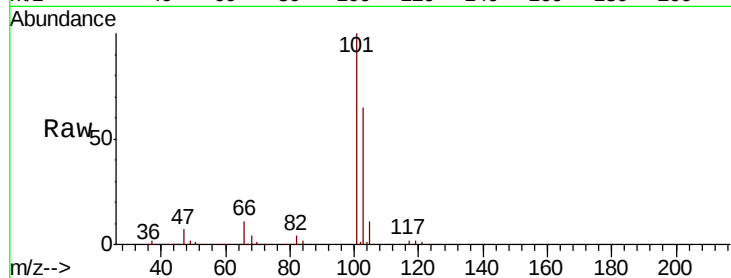


#7

Trichlorofluoromethane
 Concen: 48.543 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
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 ClientSampleId :
 VSTDCCC050

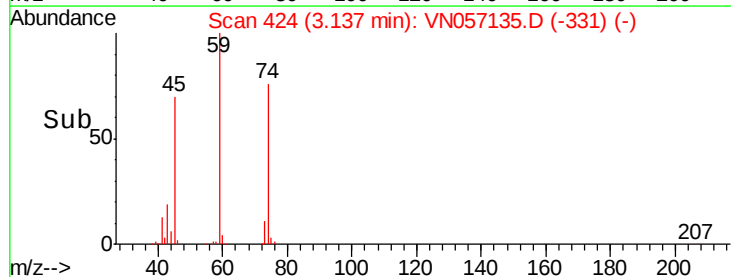
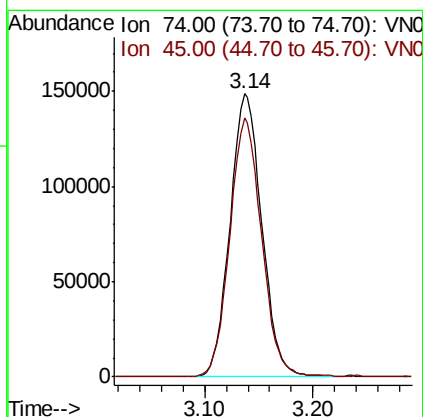
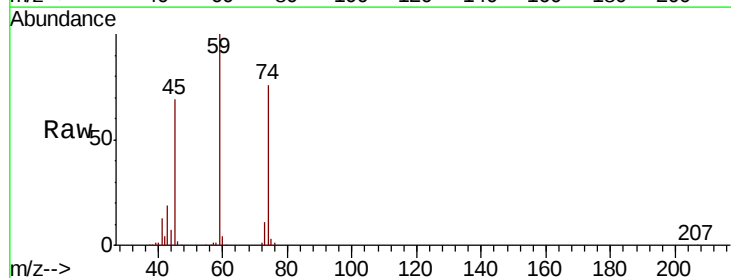
Tgt Ion: 101 Resp: 772167
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.4

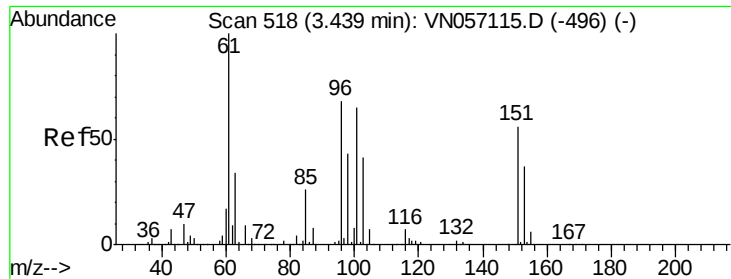


#8

Diethyl Ether
 Concen: 49.403 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion: 74 Resp: 303615
 Ion Ratio Lower Upper
 74 100
 45 91.4 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.440 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

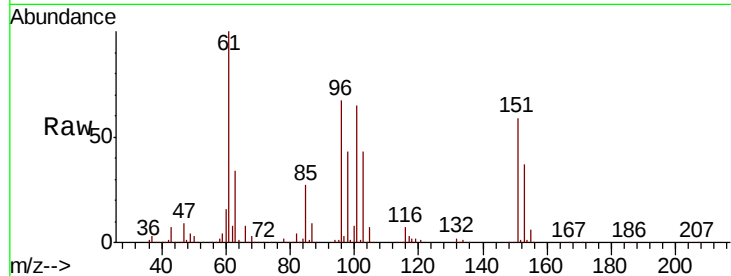
Tgt Ion:101 Resp: 476744

Ion Ratio Lower Upper

101 100

85 40.8 32.3 48.5

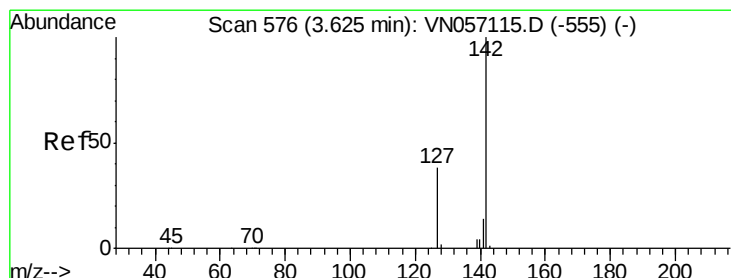
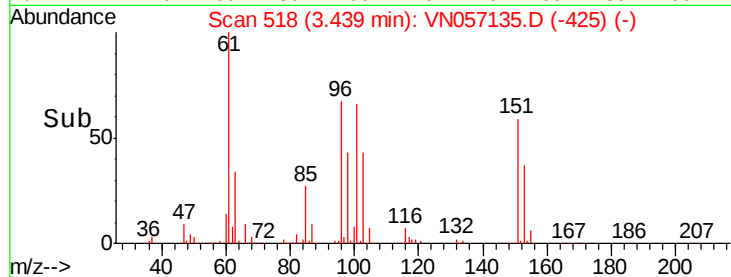
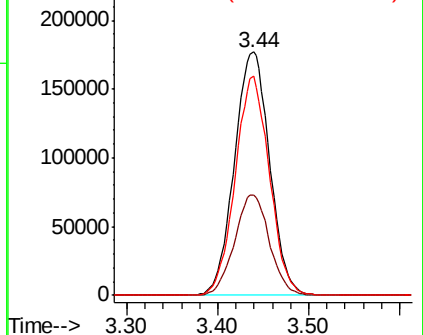
151 87.3 69.4 104.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.099 ug/l

RT: 3.62 min Scan# 575

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

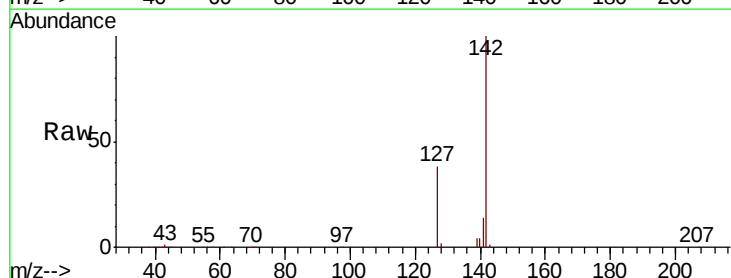
Tgt Ion:142 Resp: 744609

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.6

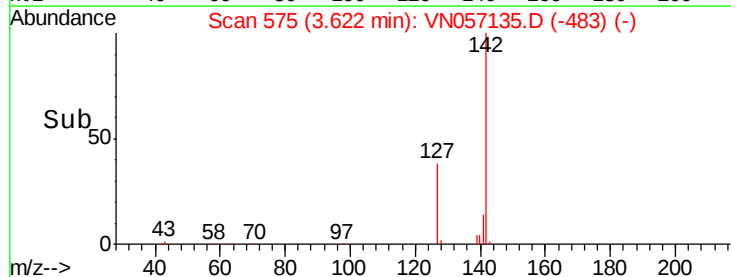
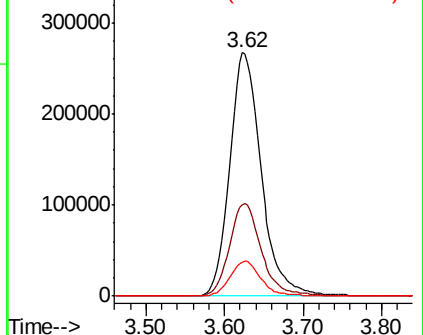
141 14.0 11.2 16.8

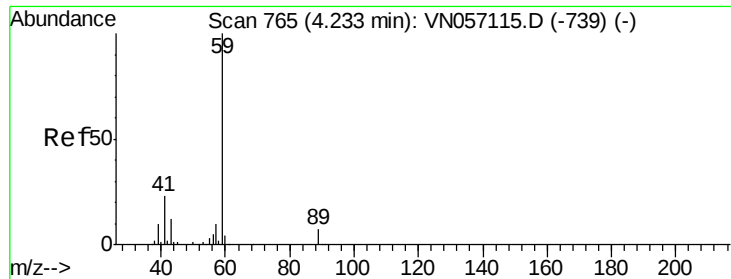


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

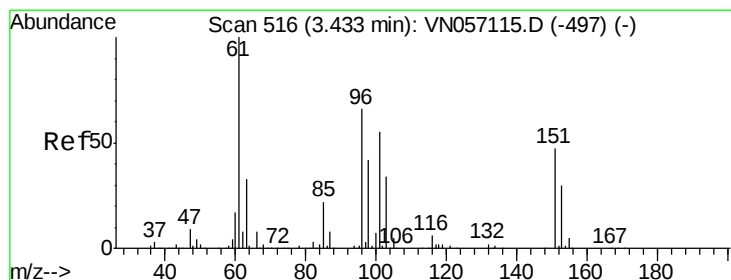
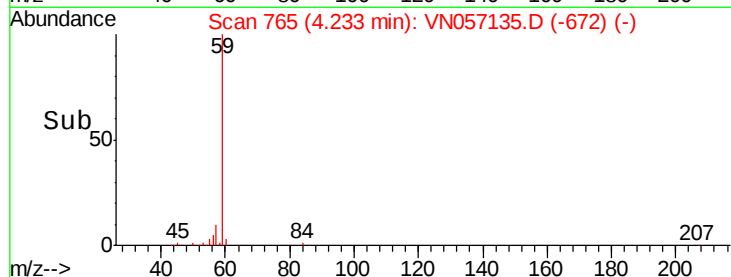
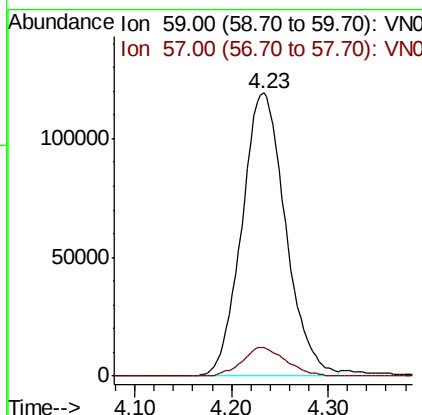
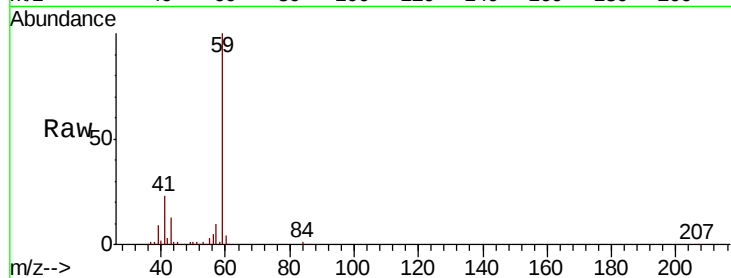




#11
Tert butyl alcohol
Concen: 229.662 ug/l
RT: 4.23 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

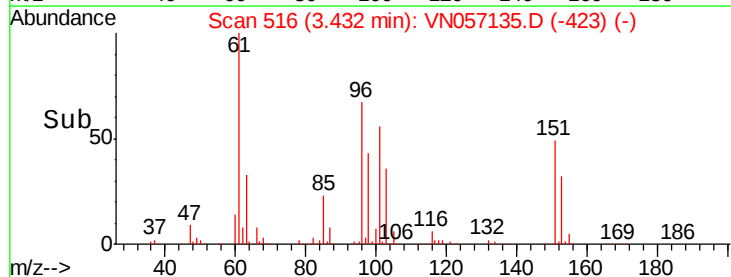
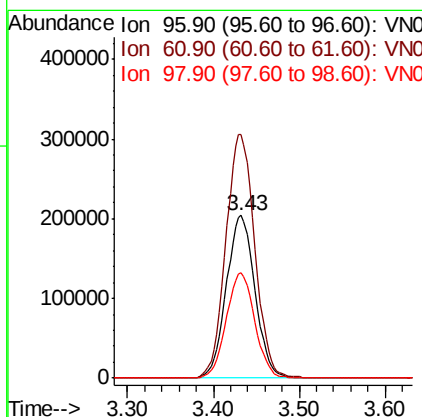
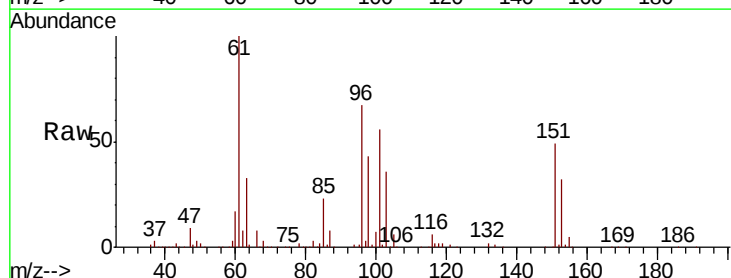
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

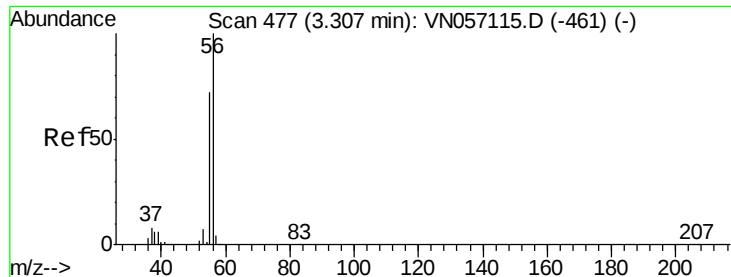
Tgt Ion: 59 Resp: 374715
Ion Ratio Lower Upper
59 100
57 10.1 7.9 11.9



#12
1,1-Dichloroethene
Concen: 49.820 ug/l
RT: 3.43 min Scan# 516
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 96 Resp: 472614
Ion Ratio Lower Upper
96 100
61 149.7 121.0 181.6
98 64.7 50.8 76.2





#13

Acrolein

Concen: 204.143 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

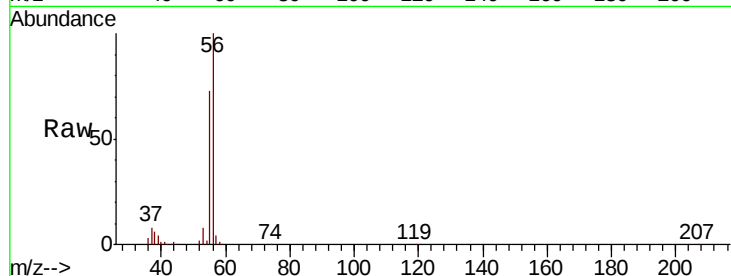
VSTDCCC050

Tgt Ion: 56 Resp: 210711

Ion Ratio Lower Upper

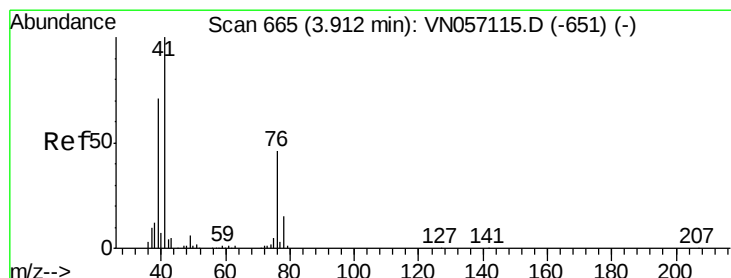
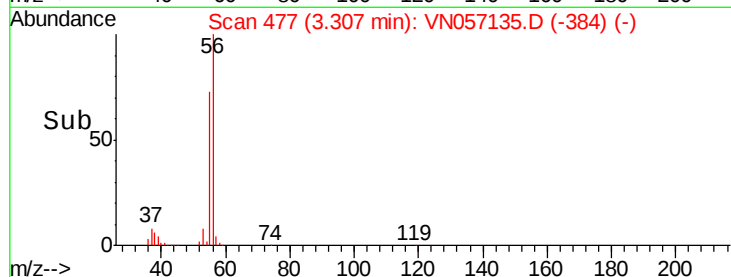
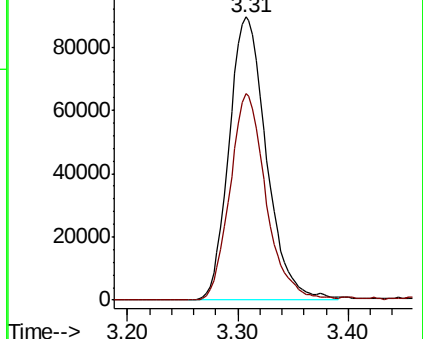
56 100

55 70.2 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.045 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

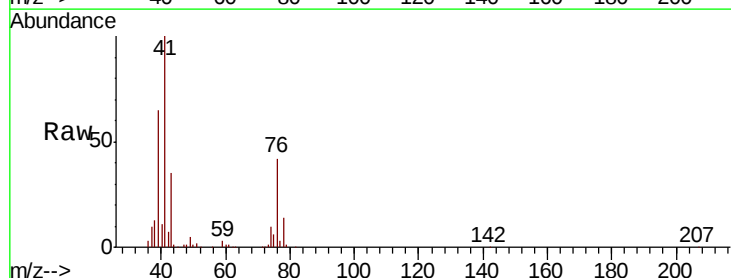
Tgt Ion: 41 Resp: 689923

Ion Ratio Lower Upper

41 100

39 63.5 51.1 76.7

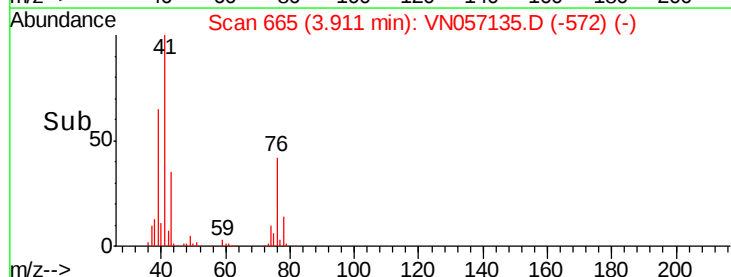
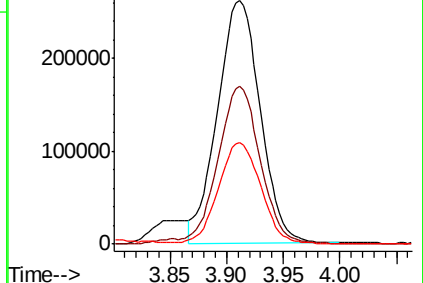
76 41.2 32.8 49.2

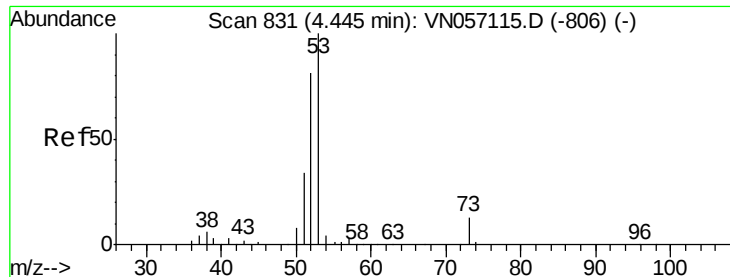


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 252.080 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

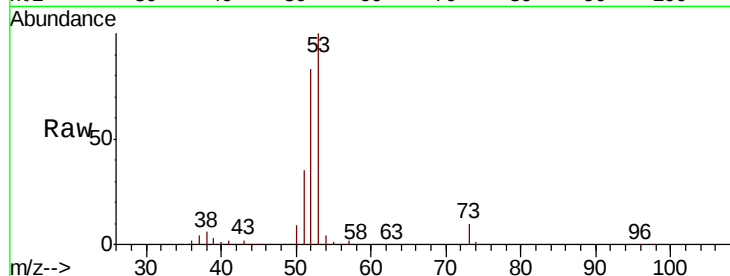
Tgt Ion: 53 Resp: 1113132

Ion Ratio Lower Upper

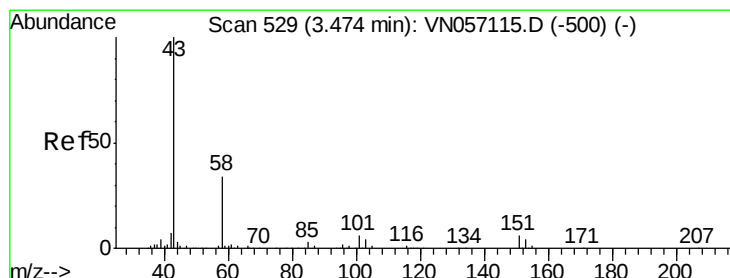
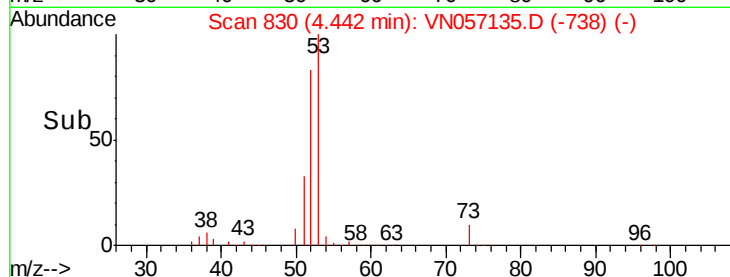
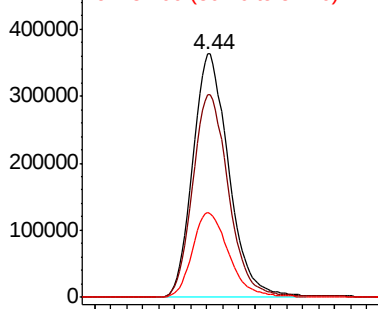
53 100

52 83.2 64.9 97.3

51 35.3 27.8 41.6



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 275.529 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057135.D

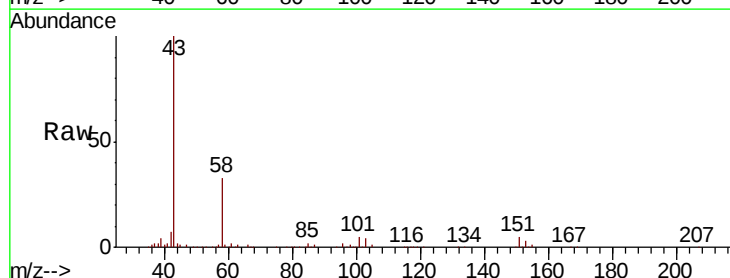
Acq: 9 Aug 2019 10:23

Tgt Ion: 43 Resp: 954043

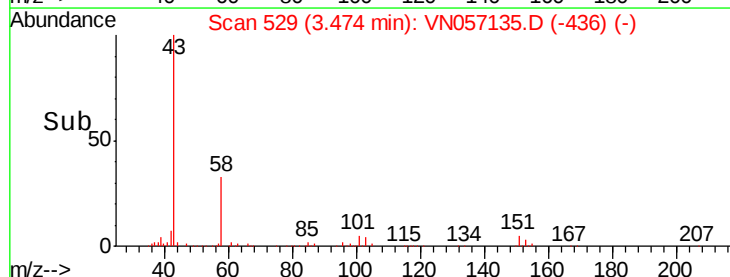
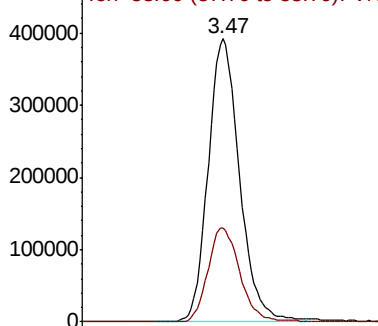
Ion Ratio Lower Upper

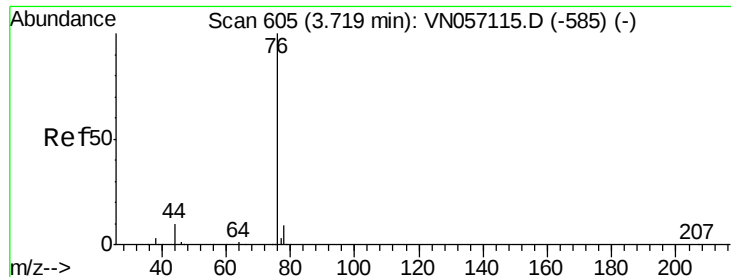
43 100

58 33.3 27.4 41.2



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

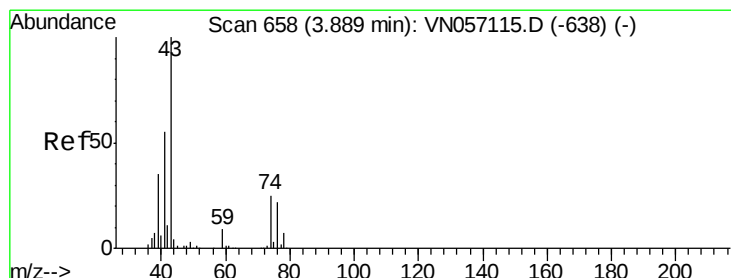
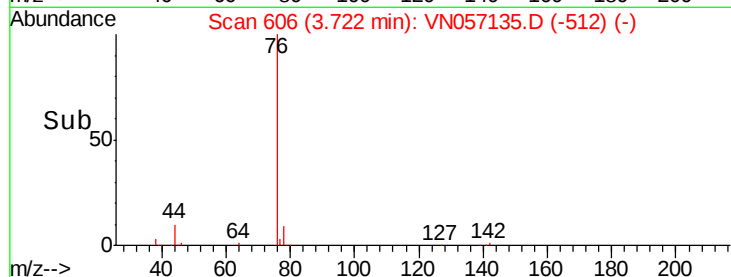
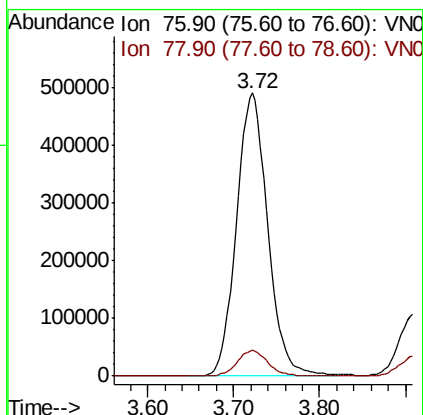
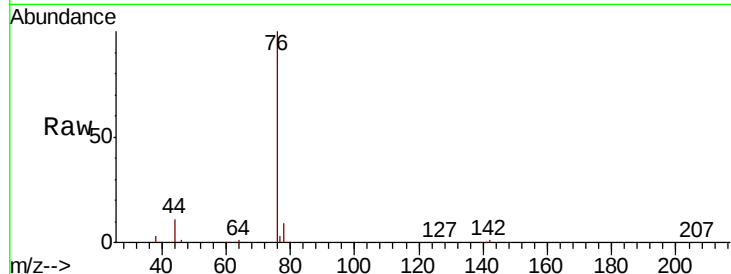




#17
Carbon Disulfide
Concen: 49.111 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

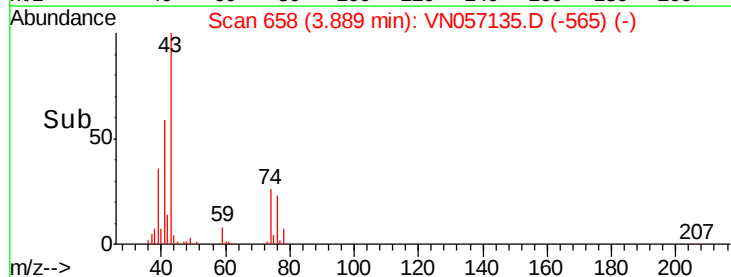
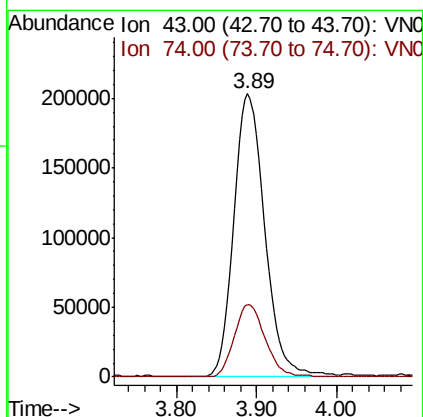
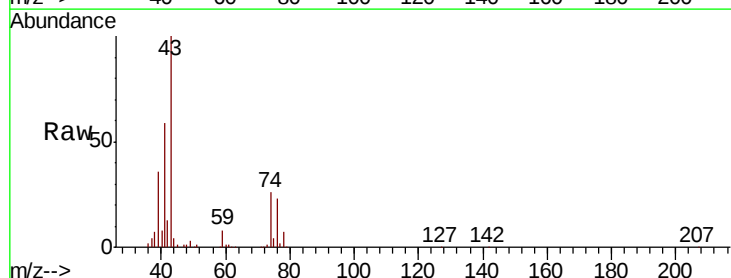
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

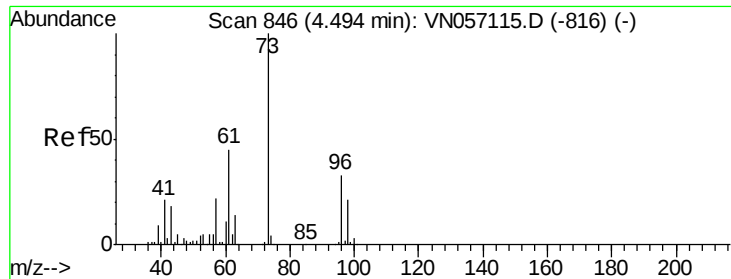
Tgt Ion: 76 Resp: 1239397
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 51.402 ug/l
RT: 3.89 min Scan# 658
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 43 Resp: 530105
Ion Ratio Lower Upper
43 100
74 25.6 20.2 30.4

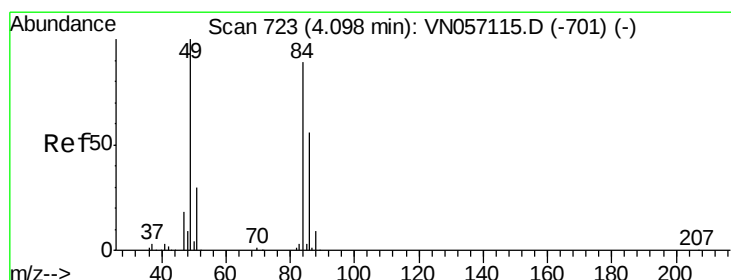
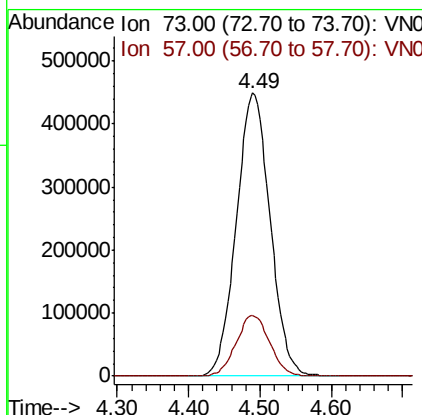
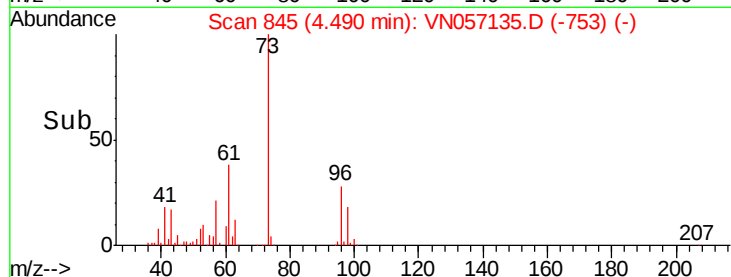
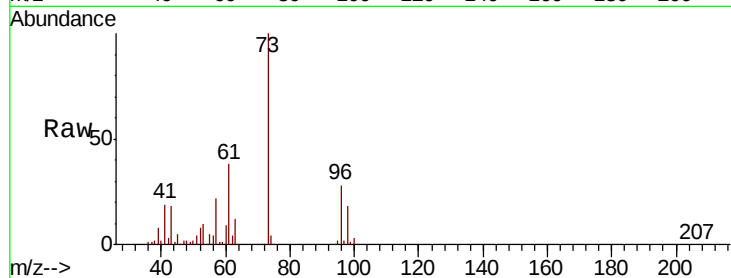




#19
Methyl tert-butyl Ether
Concen: 51.688 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

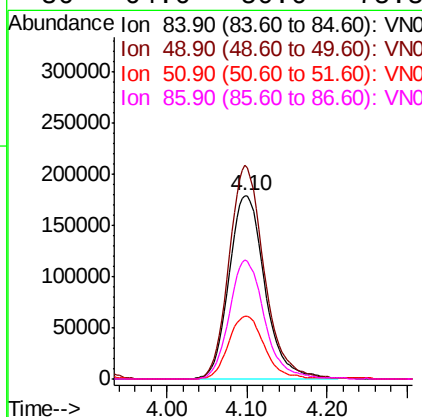
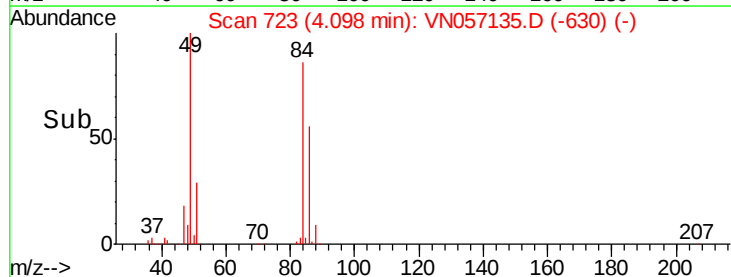
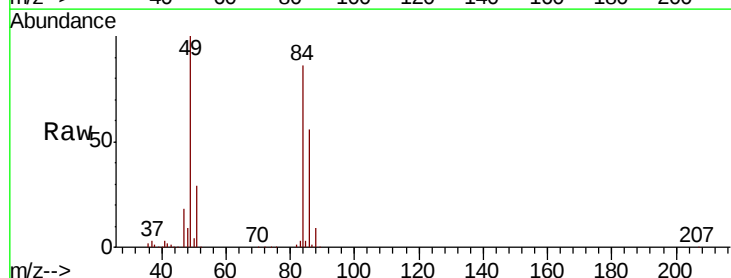
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

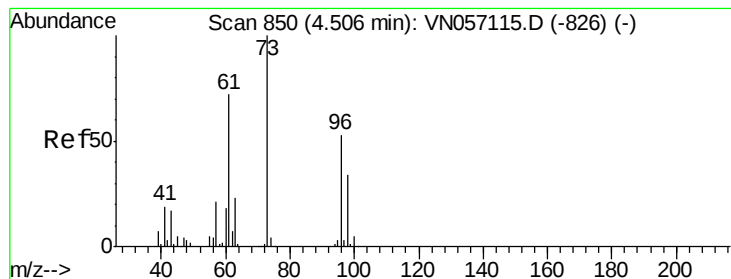
Tgt Ion: 73 Resp: 1480290
Ion Ratio Lower Upper
73 100
57 21.6 18.0 27.0



#20
Methylene Chloride
Concen: 47.814 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 84 Resp: 546396
Ion Ratio Lower Upper
84 100
49 116.2 89.5 134.3
51 34.2 27.2 40.8
86 64.6 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 49.829 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

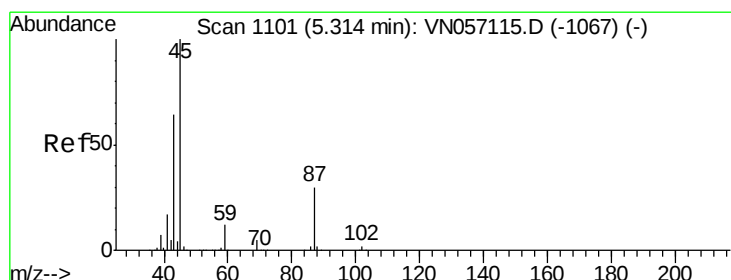
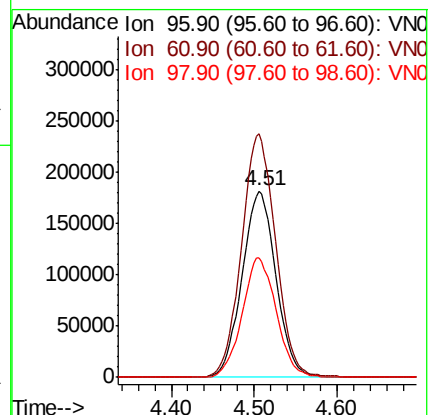
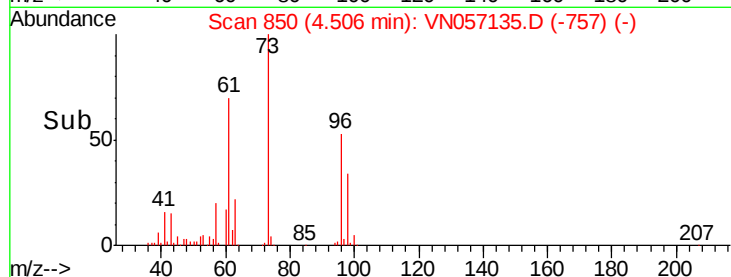
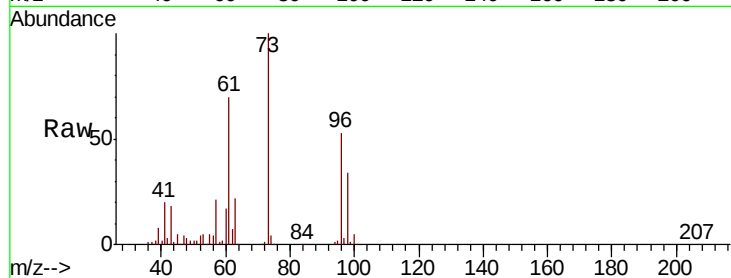
Tgt Ion: 96 Resp: 514928

Ion Ratio Lower Upper

96 100

61 130.9 108.1 162.1

98 64.3 50.5 75.7



#22

Diisopropyl ether

Concen: 49.720 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt Ion: 45 Resp: 1495115

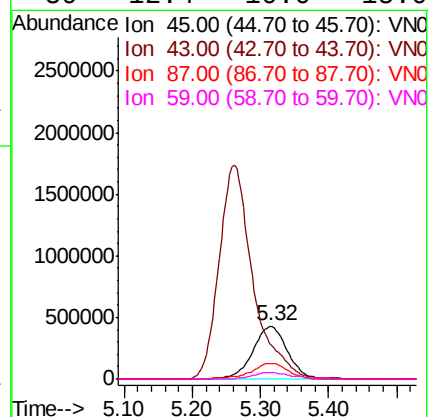
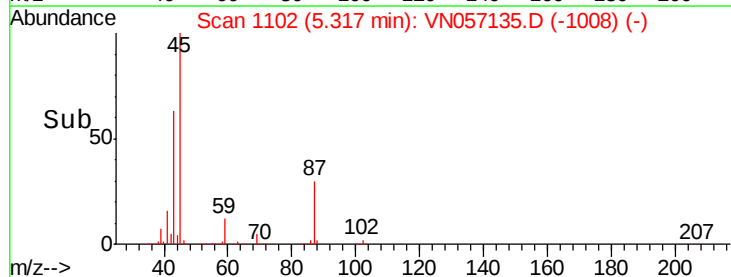
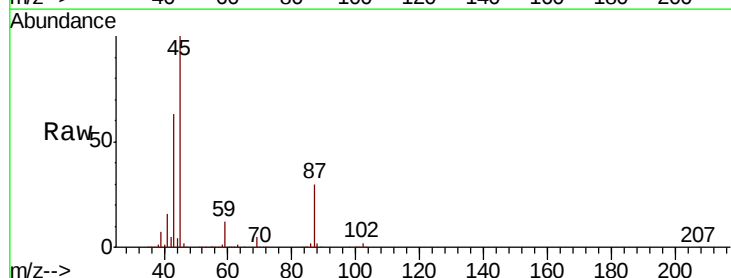
Ion Ratio Lower Upper

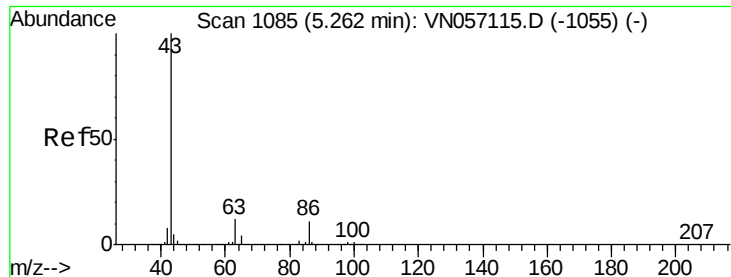
45 100

43 62.2 54.1 81.1

87 30.0 24.0 36.0

59 12.4 10.0 15.0

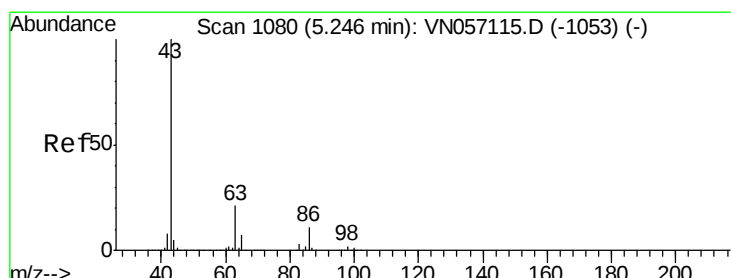
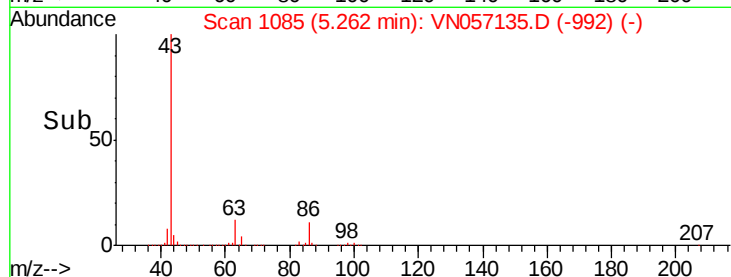
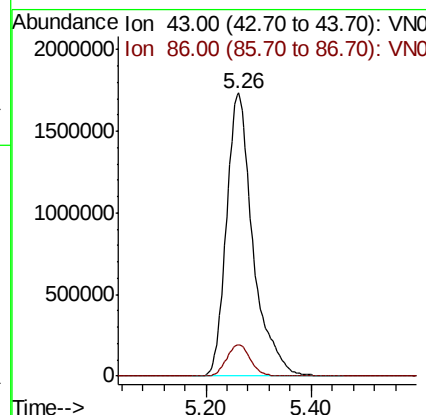
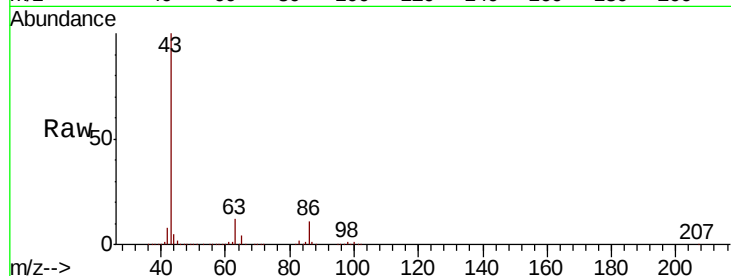




#23
 Vinyl Acetate
 Concen: 261.136 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

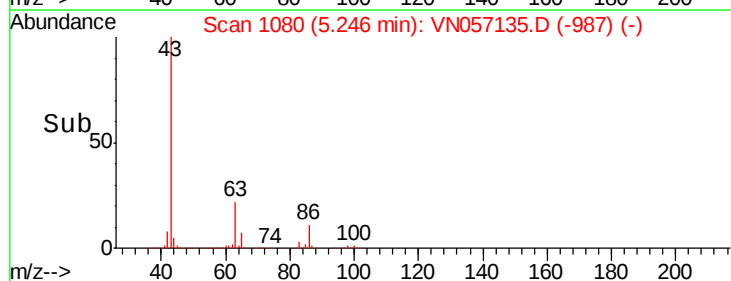
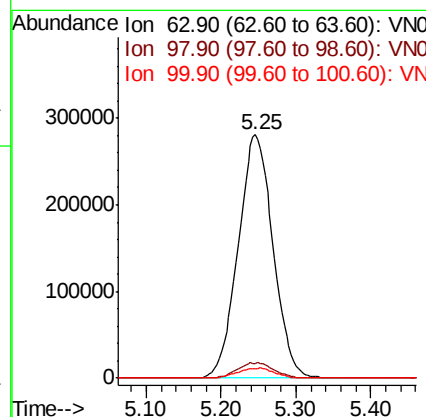
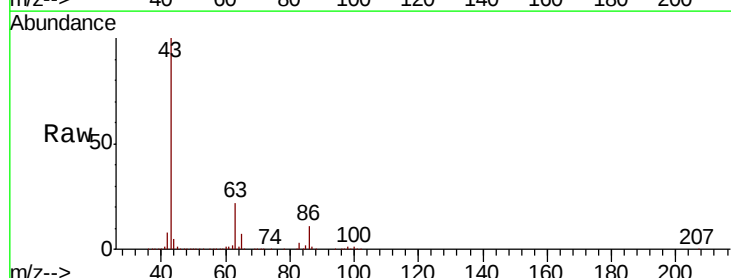
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

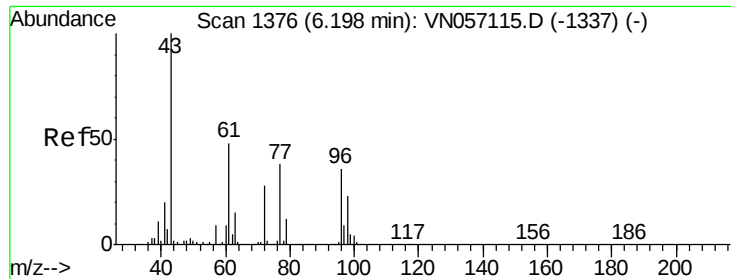
Tgt Ion: 43 Resp: 6013162
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 49.150 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion: 63 Resp: 908563
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.8 11.2
 100 4.0 2.1 6.3

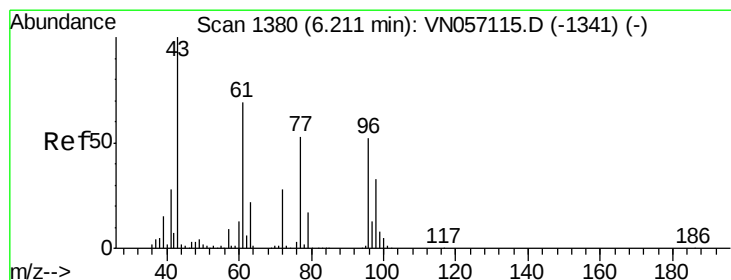
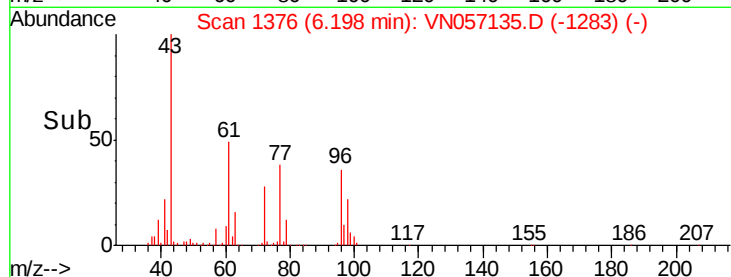
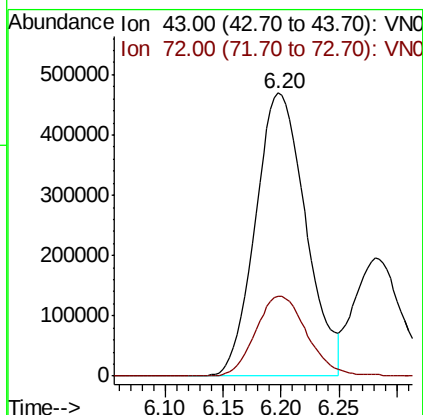
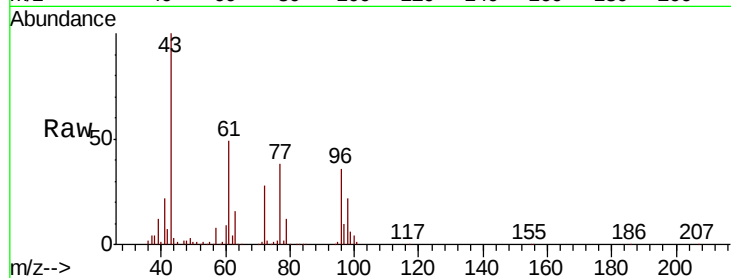




#25
 2-Butanone
 Concen: 267.570 ug/l
 RT: 6.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

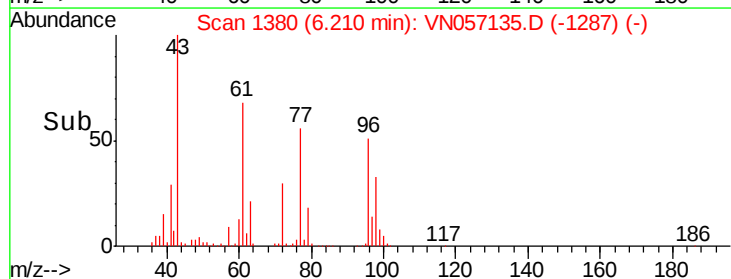
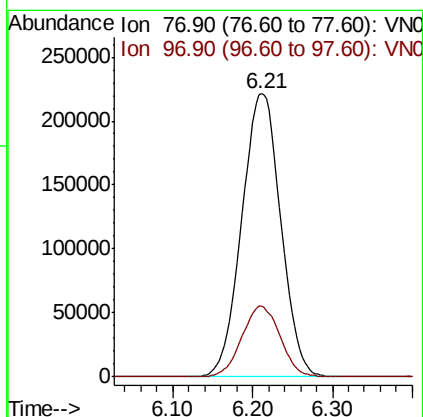
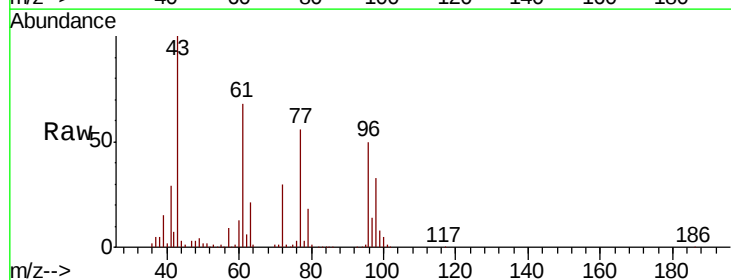
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

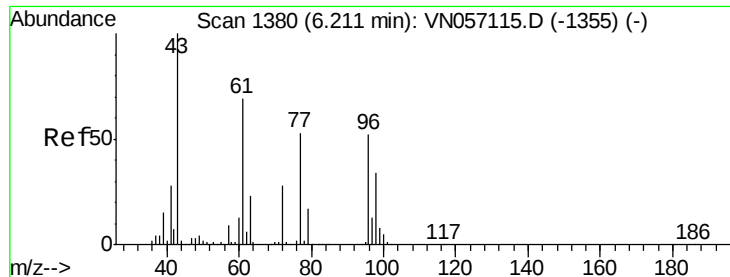
Tgt Ion: 43 Resp: 1415525
 Ion Ratio Lower Upper
 43 100
 72 28.4 22.2 33.4



#26
 2,2-Dichloropropane
 Concen: 54.579 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion: 77 Resp: 734017
 Ion Ratio Lower Upper
 77 100
 97 24.6 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 51.174 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

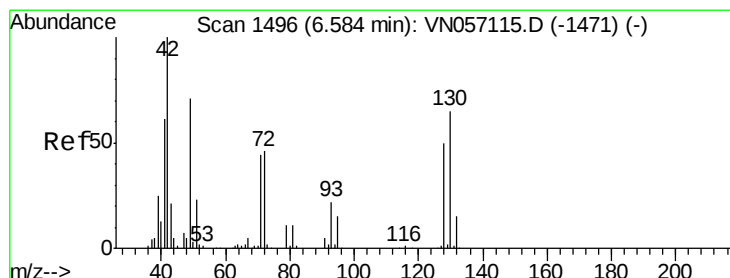
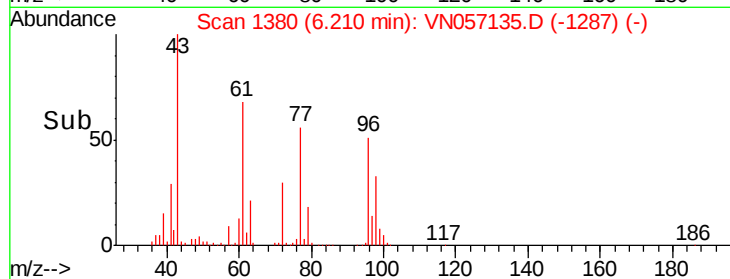
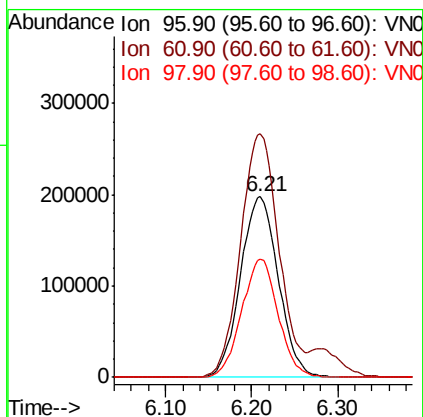
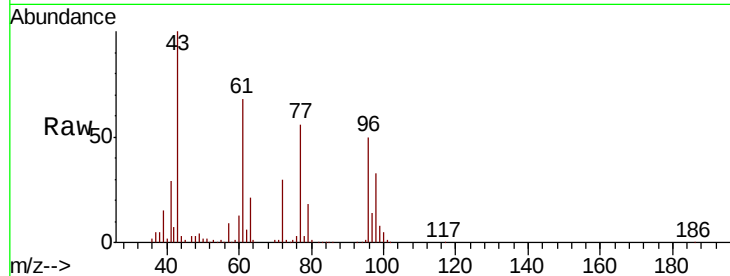
Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 605824

Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	273.4
98	63.5	0.0	130.4



#28

Bromochloromethane

Concen: 47.866 ug/l

RT: 6.59 min Scan# 1497

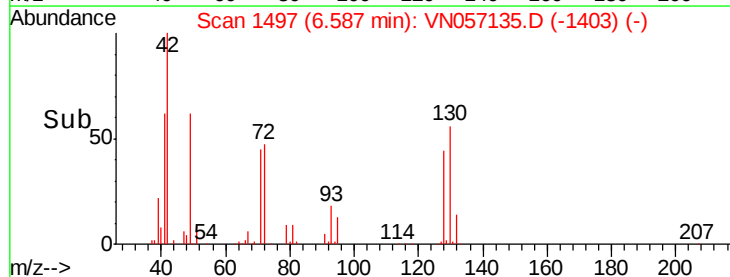
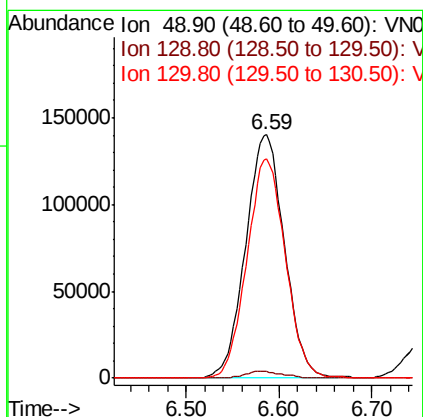
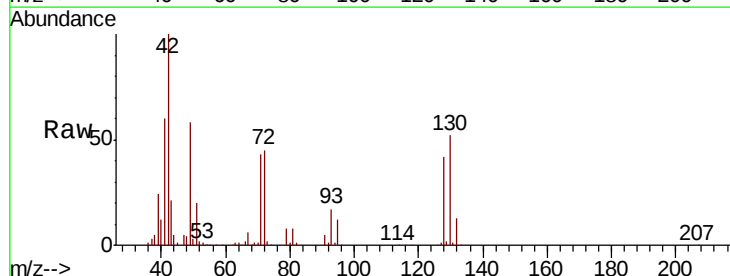
Delta R.T. 0.00 min

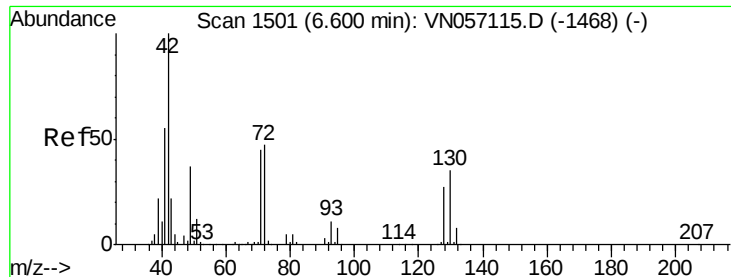
Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt Ion: 49 Resp: 406988

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	89.6	73.8	110.8





#29

Tetrahydrofuran

Concen: 254.779 ug/l

RT: 6.60 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

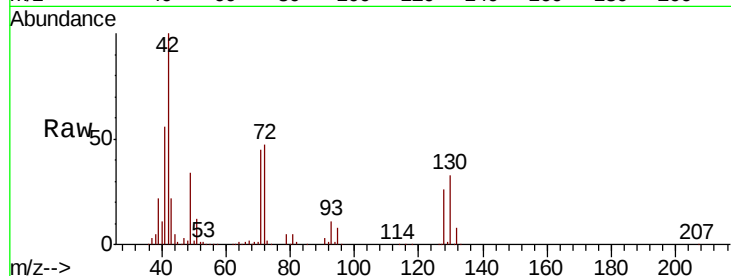
Tgt Ion: 42 Resp: 907977

Ion Ratio Lower Upper

42 100

72 46.0 37.1 55.7

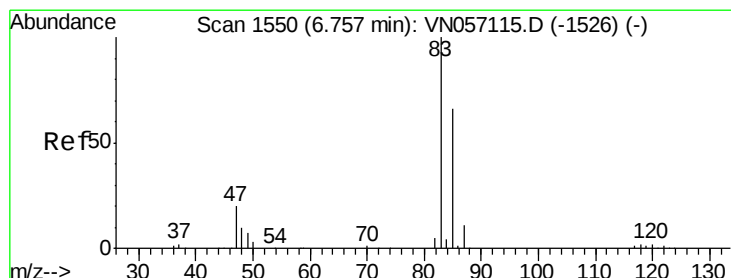
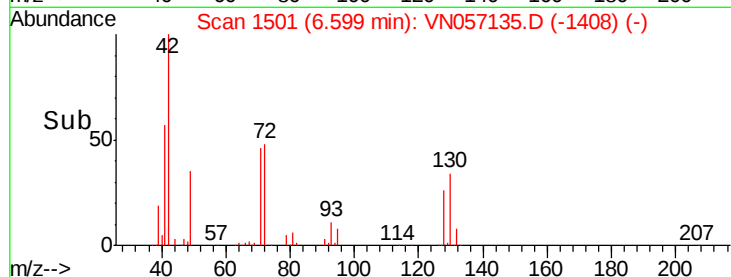
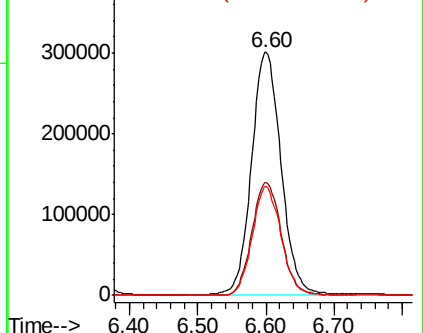
71 43.5 34.8 52.2



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: 48.989 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VN057135.D

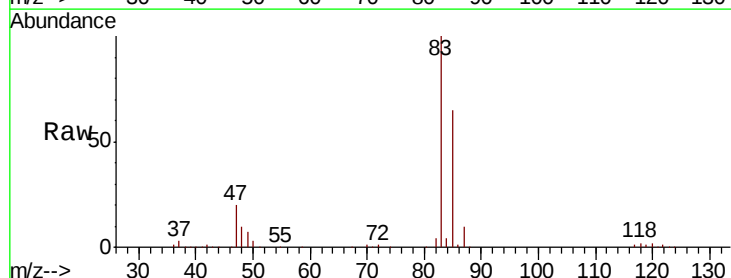
Acq: 9 Aug 2019 10:23

Tgt Ion: 83 Resp: 937282

Ion Ratio Lower Upper

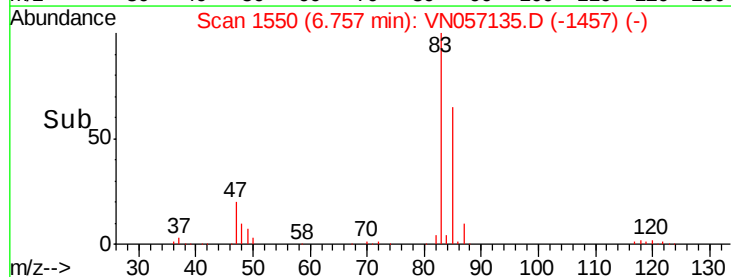
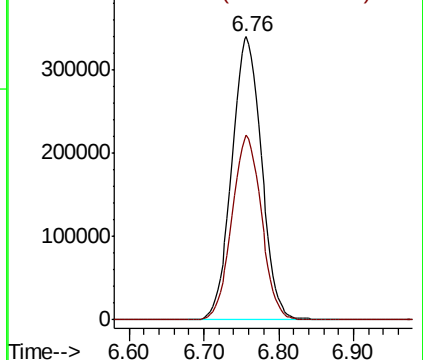
83 100

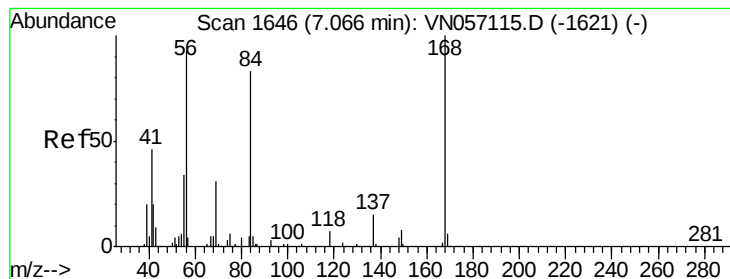
85 65.1 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.832 ug/l

RT: 7.07 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

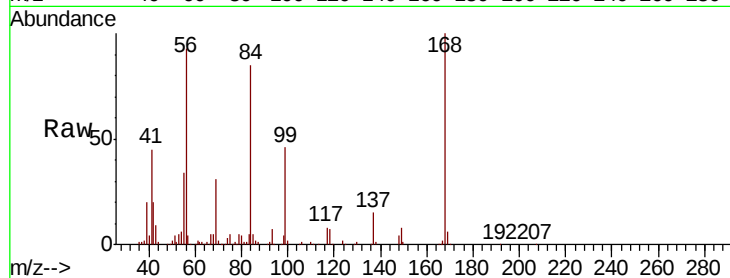
Tgt Ion: 56 Resp: 778857

Ion Ratio Lower Upper

56 100

69 33.6 26.9 40.3

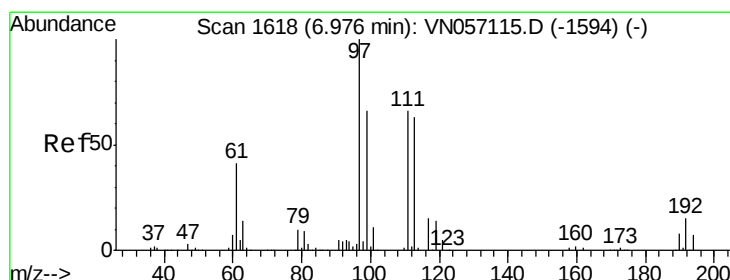
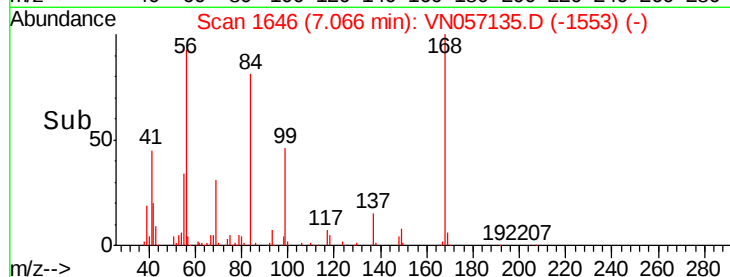
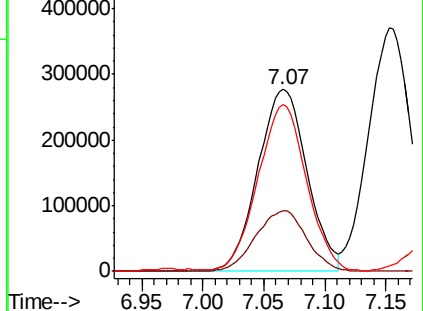
84 90.2 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 50.715 ug/l

RT: 6.98 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

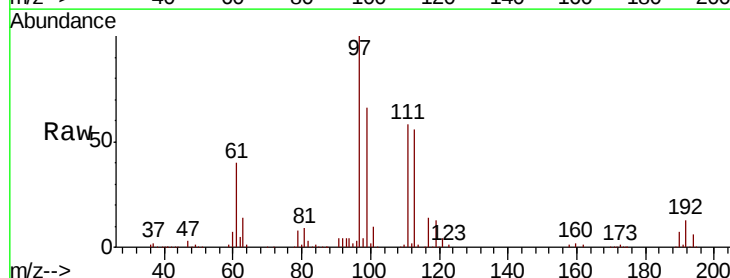
Tgt Ion: 97 Resp: 813968

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

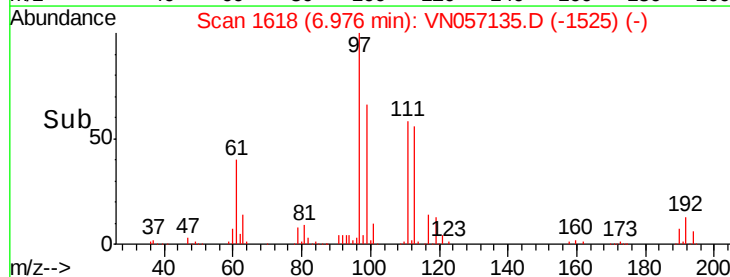
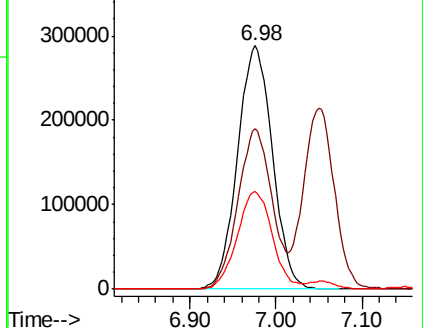
61 40.4 32.7 49.1

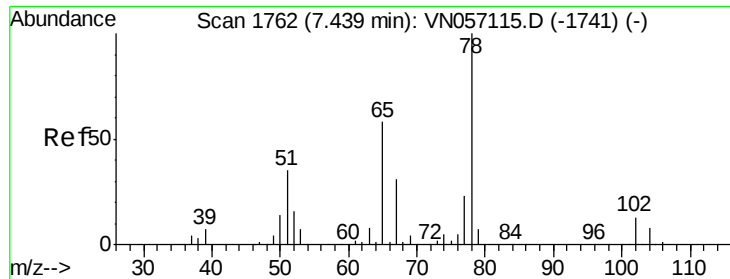


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

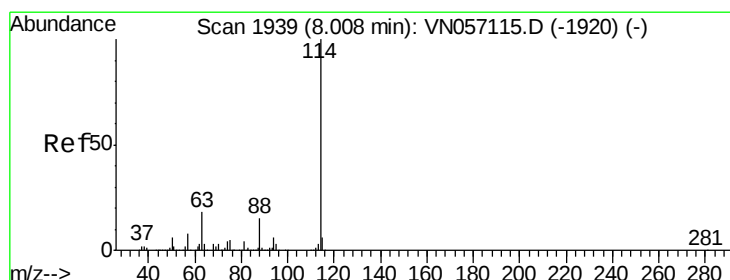
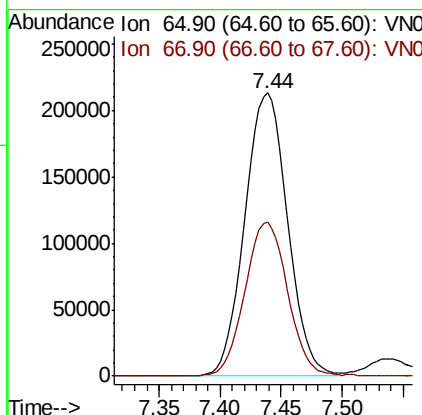
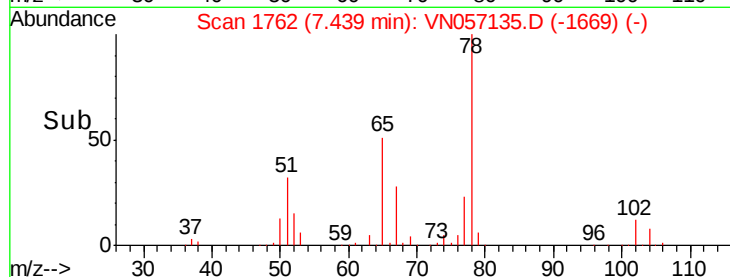
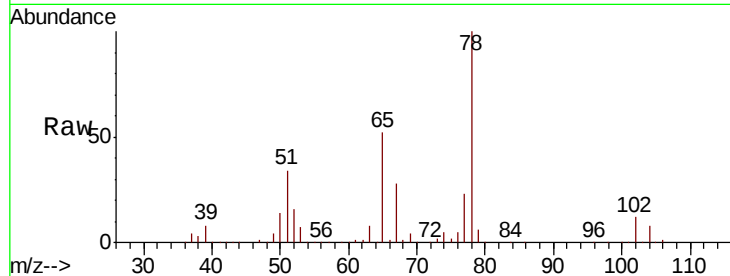




#33
 1,2-Dichloroethane-d4
 Concen: 45.202 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

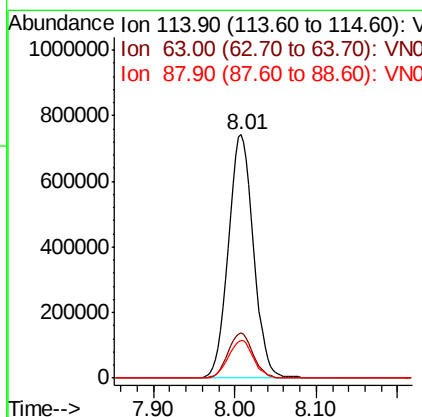
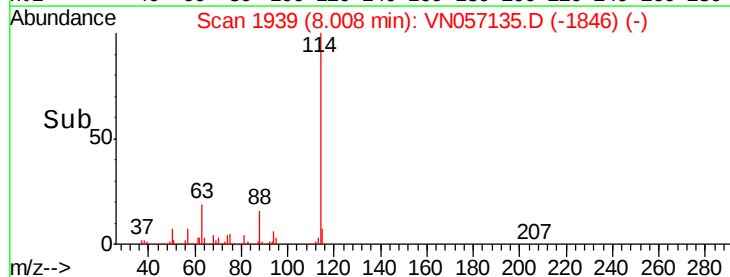
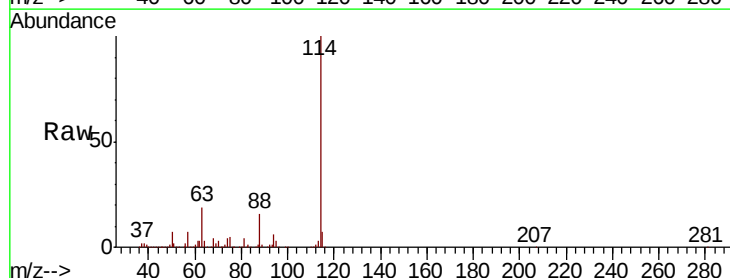
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

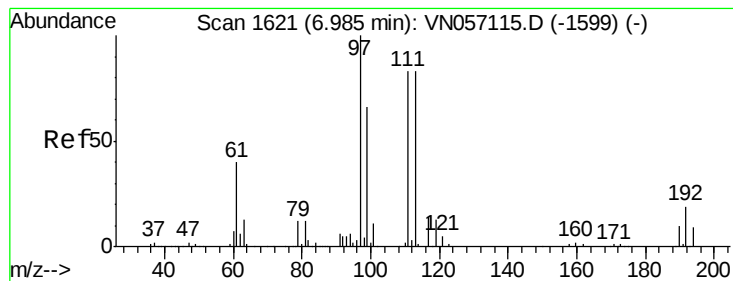
Tgt Ion: 65 Resp: 518268
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion: 114 Resp: 1606990
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.2
 88 15.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.912 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

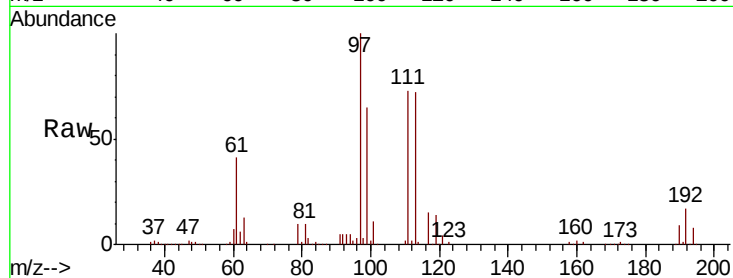
Tgt Ion: 113 Resp: 483146

Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

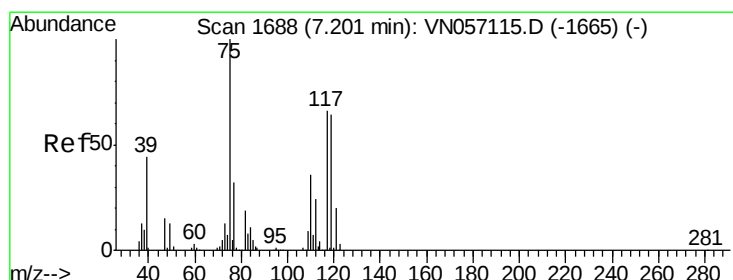
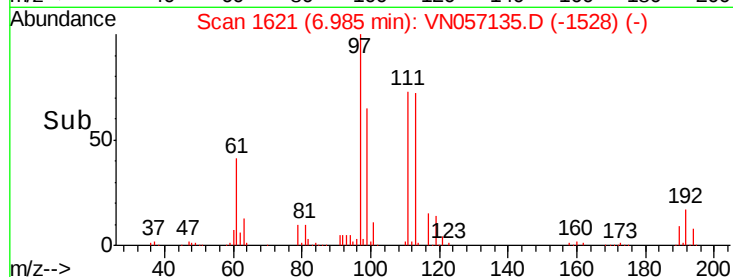
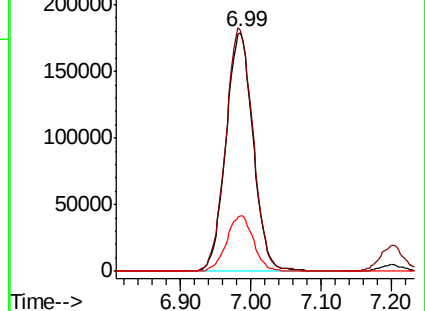
192 23.0 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.895 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

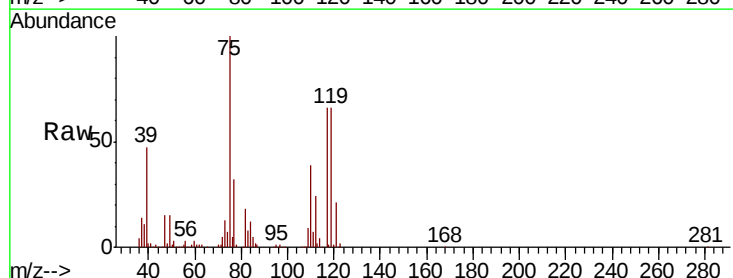
Tgt Ion: 75 Resp: 699861

Ion Ratio Lower Upper

75 100

110 38.1 18.7 56.1

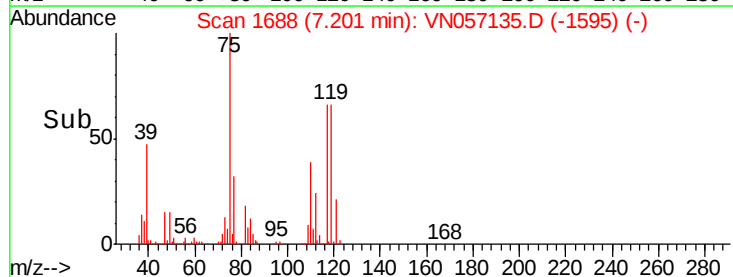
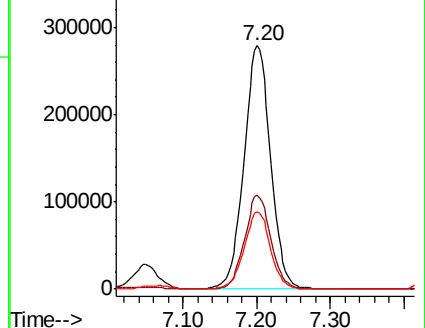
77 31.5 25.0 37.4

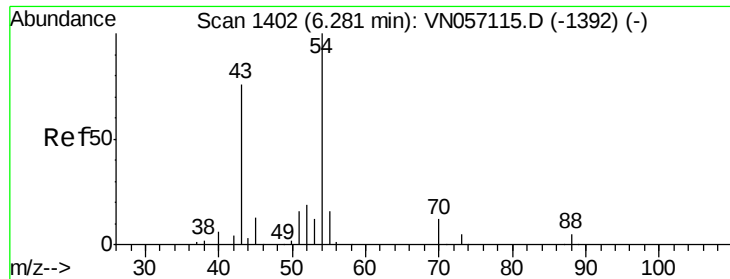


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

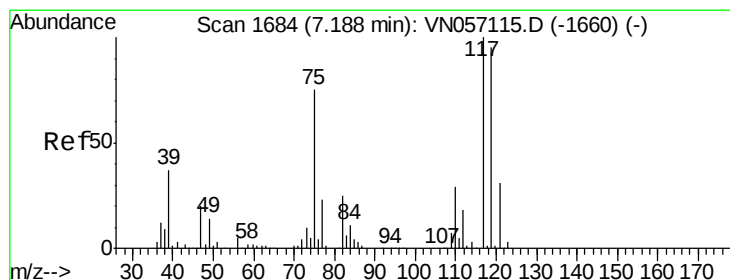
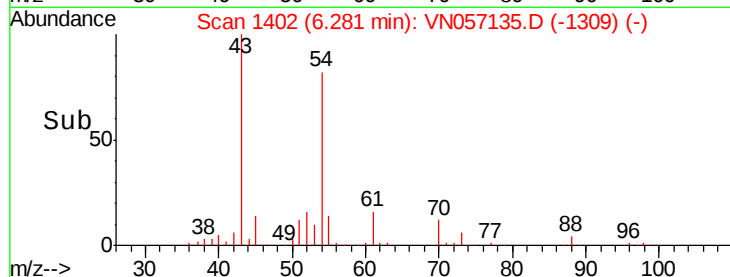
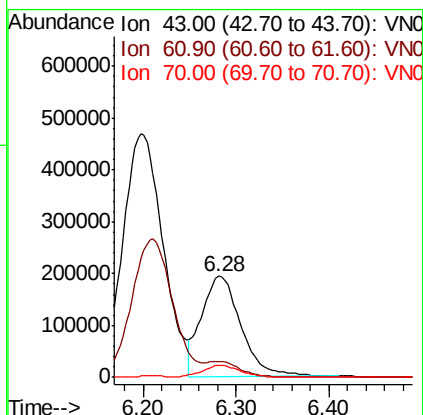
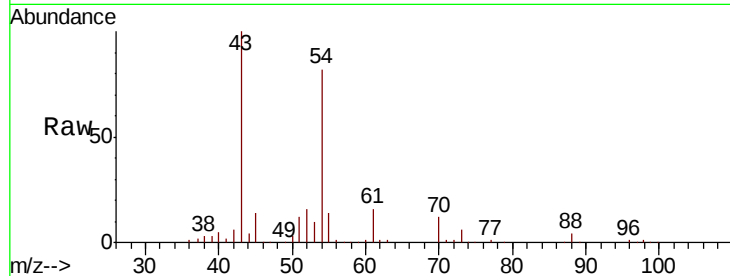




#37
Ethyl Acetate
Concen: 52.649 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

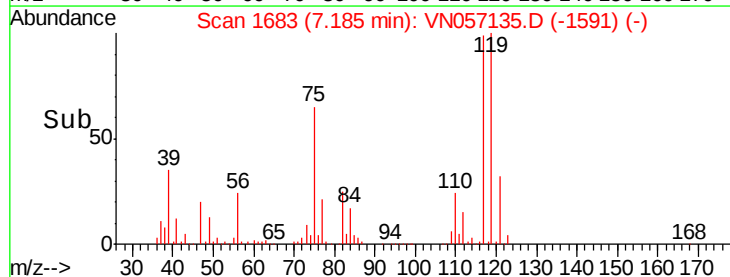
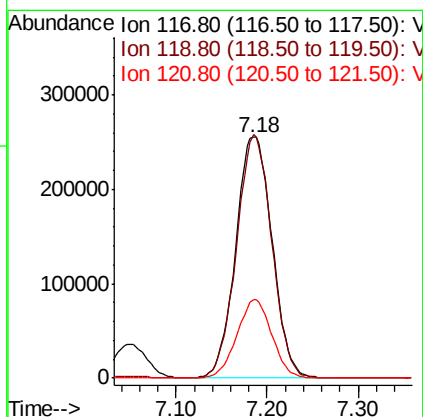
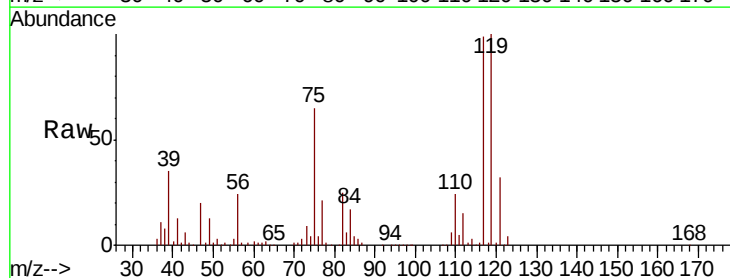
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

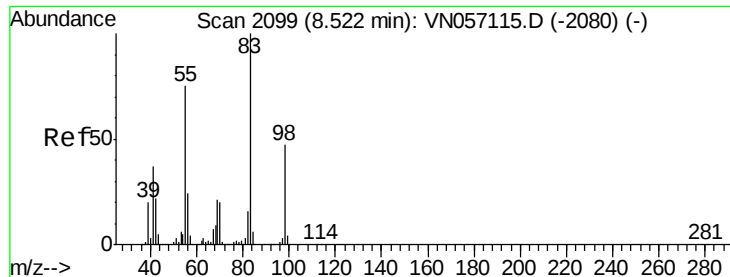
Tgt Ion: 43 Resp: 574236
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 11.5 9.1 13.7



#38
Carbon Tetrachloride
Concen: 51.565 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 117 Resp: 711044
Ion Ratio Lower Upper
117 100
119 101.2 75.8 113.6
121 32.6 24.4 36.6

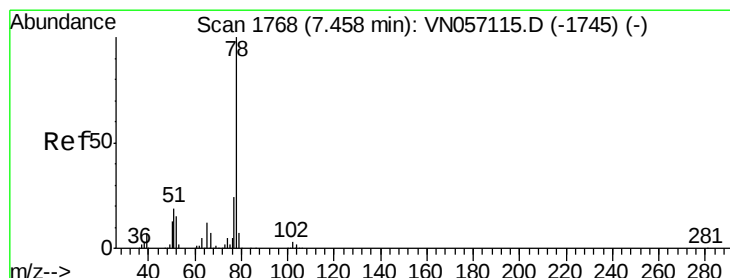
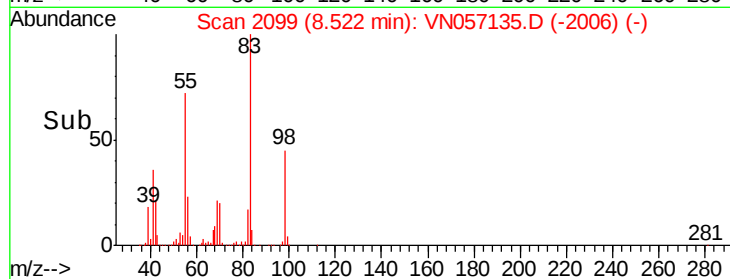
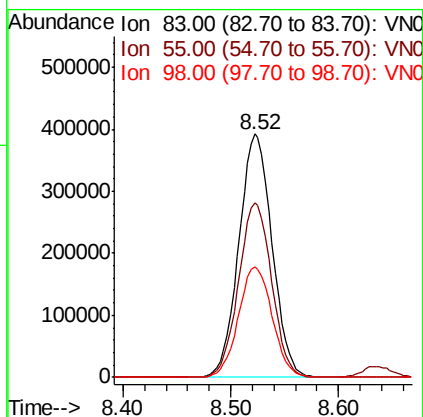
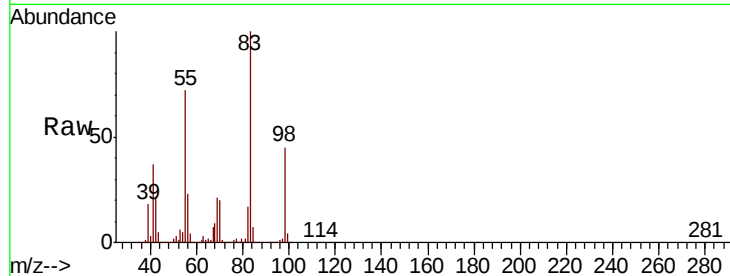




#39
Methylcyclohexane
Concen: 52.232 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

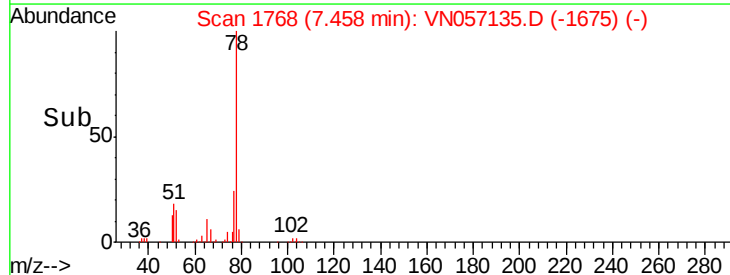
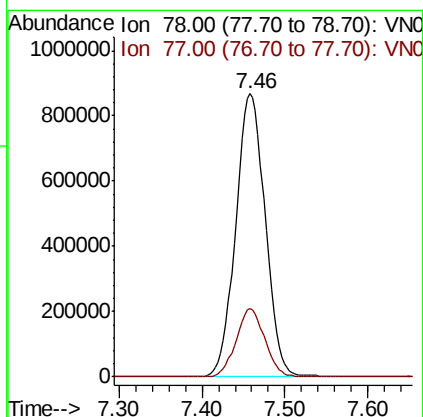
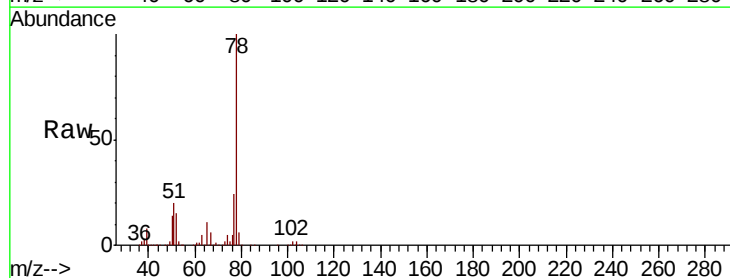
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

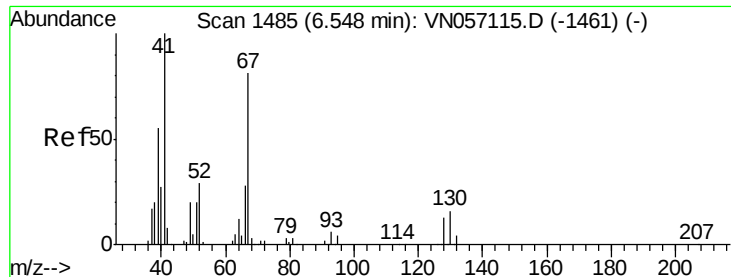
Tgt Ion: 83 Resp: 840428
Ion Ratio Lower Upper
83 100
55 71.6 60.3 90.5
98 45.4 37.9 56.9



#40
Benzene
Concen: 51.320 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 78 Resp: 2149627
Ion Ratio Lower Upper
78 100
77 24.3 19.2 28.8

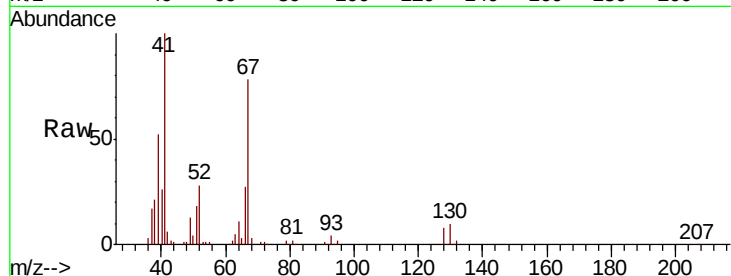




#41
Methacrylonitrile
Concen: 54.819 ug/l
RT: 6.54 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	303716
Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.9	67.3
67	84.2	69.1	103.7
52	31.1	25.8	38.6



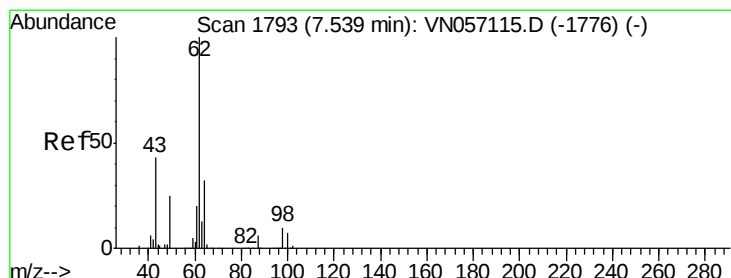
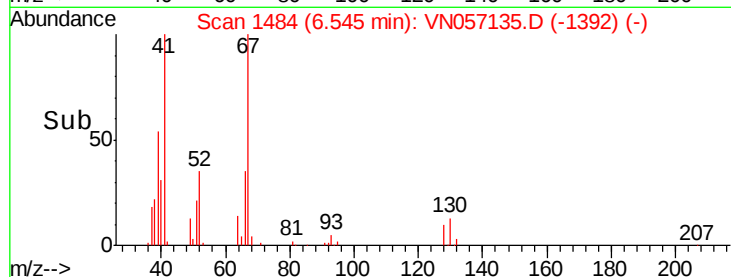
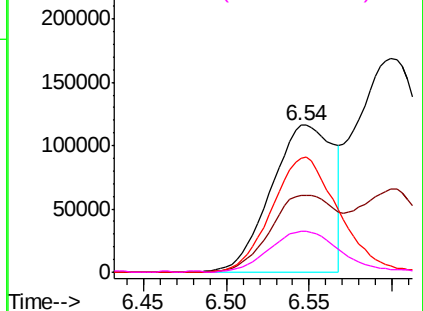
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

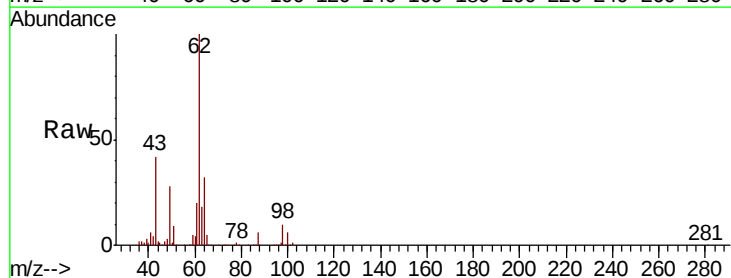
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 50.637 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

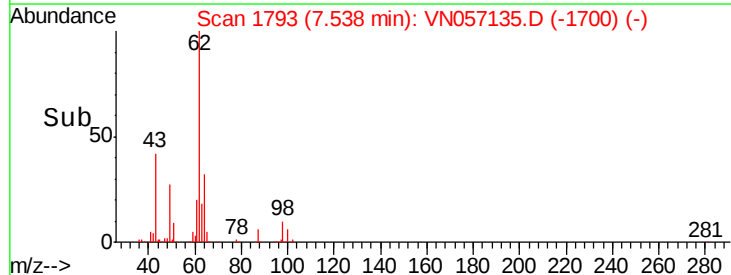
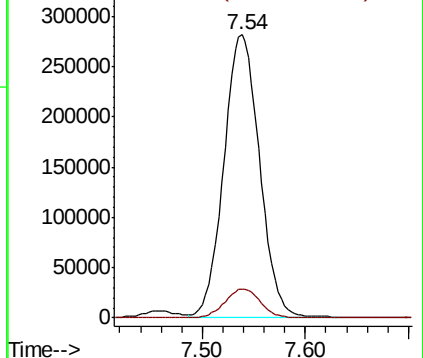
Tgt Ion:	62	Resp:	676441
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.4

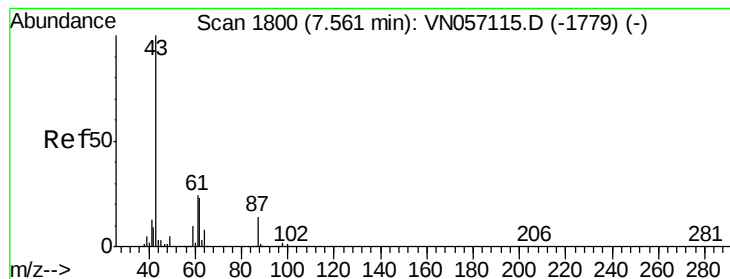


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 52.482 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

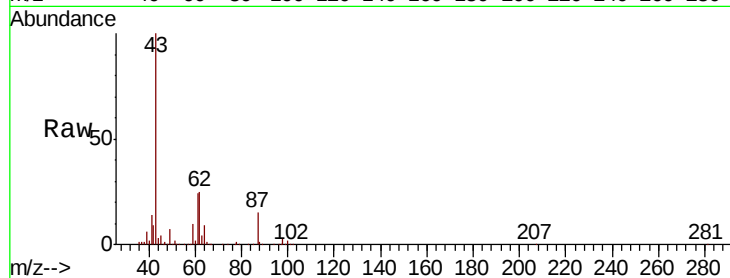
Tgt Ion: 43 Resp: 976860

Ion Ratio Lower Upper

43 100

61 28.7 24.2 36.2

87 14.6 11.8 17.8

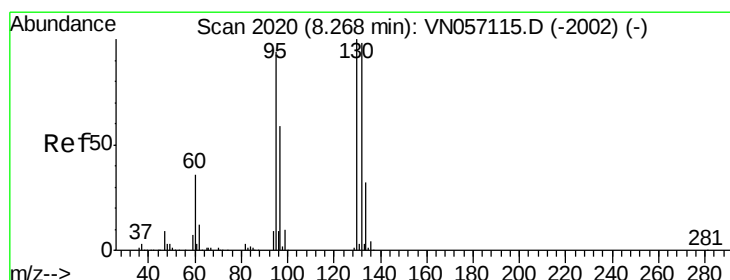
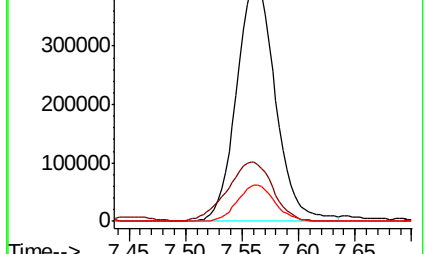
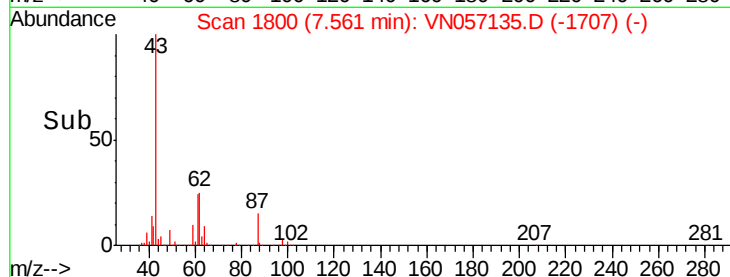


Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-1779) (-)

Ion 61.00 (60.70 to 61.70): VN057115.D (-1779) (-)

Ion 87.00 (86.70 to 87.70): VN057115.D (-1779) (-)

Time-->



#44

Trichloroethene

Concen: 51.573 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057135.D

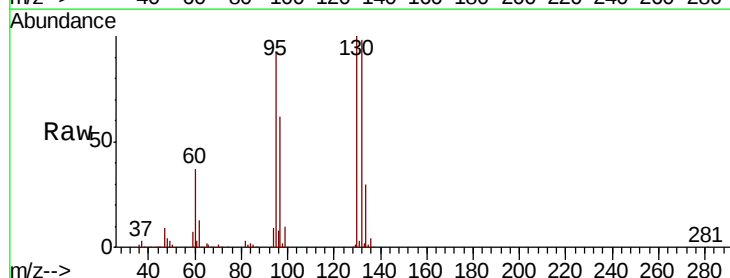
Acq: 9 Aug 2019 10:23

Tgt Ion: 130 Resp: 605198

Ion Ratio Lower Upper

130 100

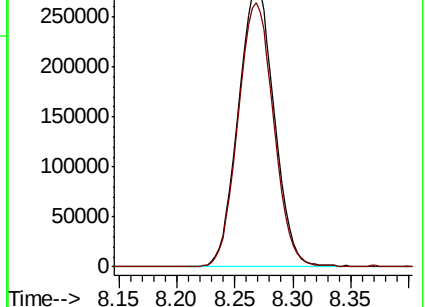
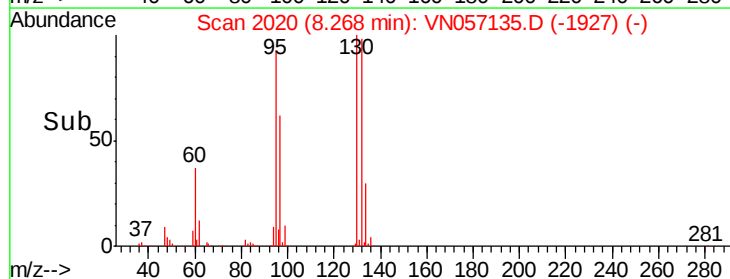
95 93.1 0.0 187.4

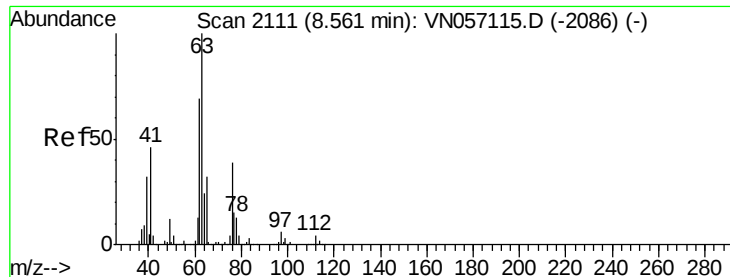


Abundance Ion 129.80 (129.50 to 130.50): VN057115.D (-2002) (-)

Ion 94.90 (94.60 to 95.60): VN057115.D (-2002) (-)

Time-->

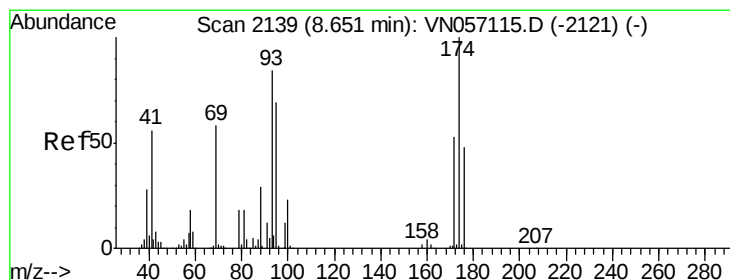
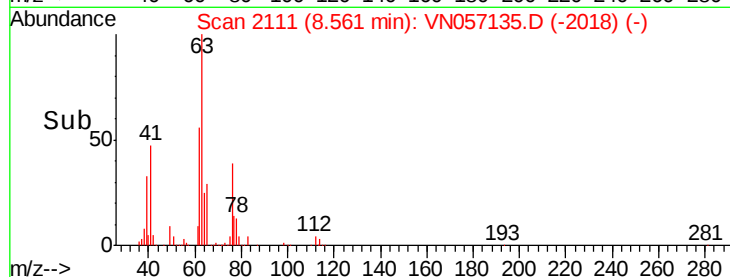
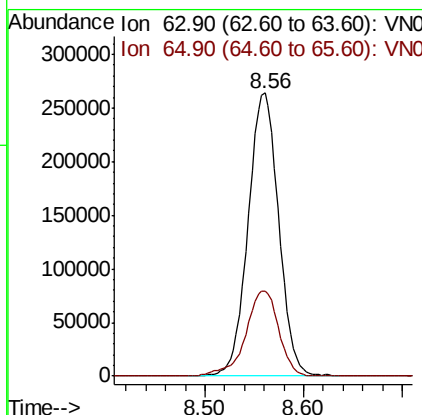
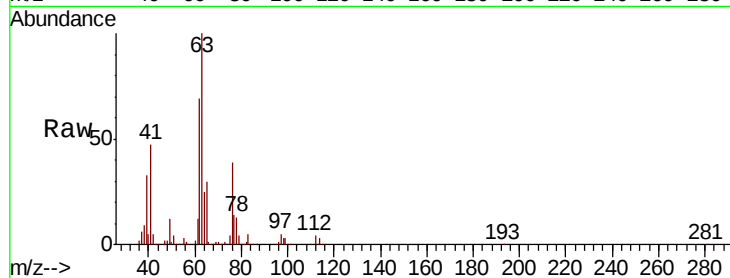




#45
 1,2-Dichloropropane
 Concen: 52.044 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

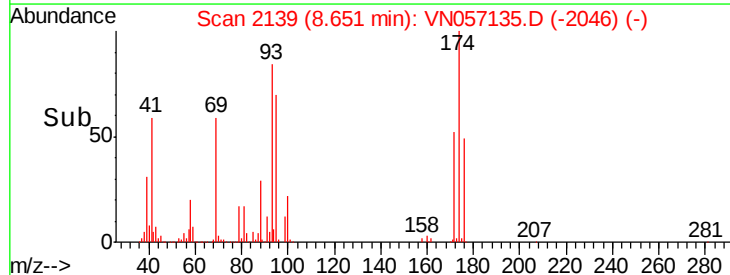
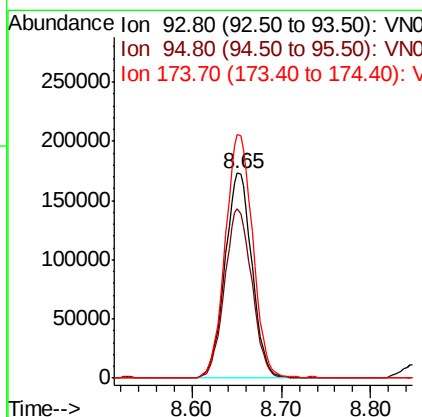
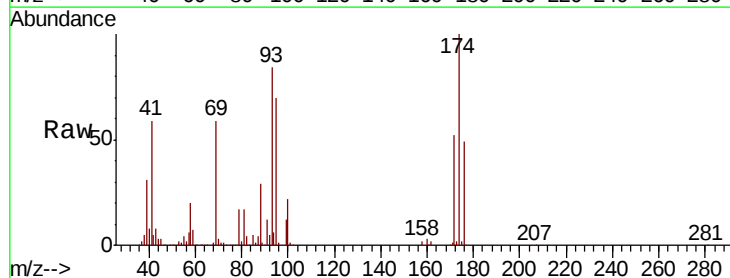
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

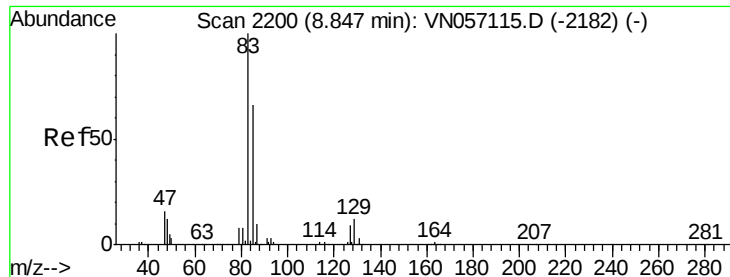
Tgt Ion: 63 Resp: 564439
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.2 37.8



#46
 Dibromomethane
 Concen: 52.160 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion: 93 Resp: 362717
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.0 99.0
 174 120.9 96.0 144.0





#47

Bromodichloromethane

Concen: 54.099 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

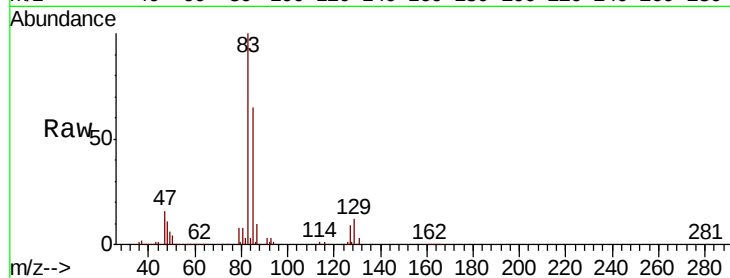
Tgt Ion: 83 Resp: 727921

Ion Ratio Lower Upper

83 100

85 64.9 52.6 78.8

127 9.2 7.5 11.3

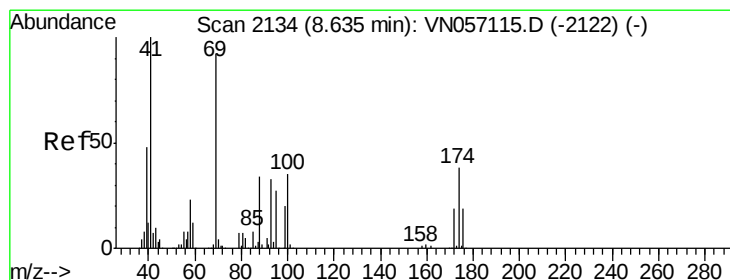
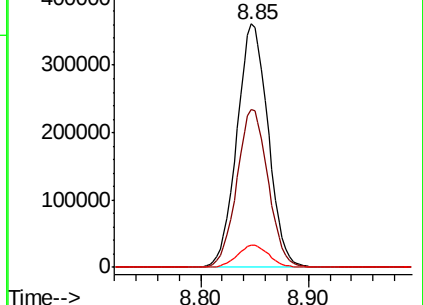
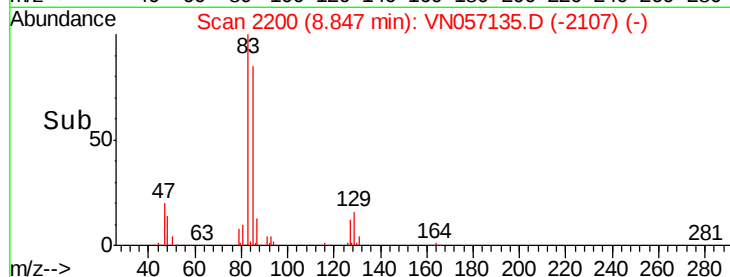


Abundance Ion 82.90 (82.60 to 83.60): VN057115.D (-2182) (-)

Ion 84.90 (84.60 to 85.60): VN057115.D (-2182) (-)

Ion 126.80 (126.50 to 127.50): VN057115.D (-2182) (-)

Time-->



#48

Methyl methacrylate

Concen: 51.035 ug/l

RT: 8.64 min Scan# 2135

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

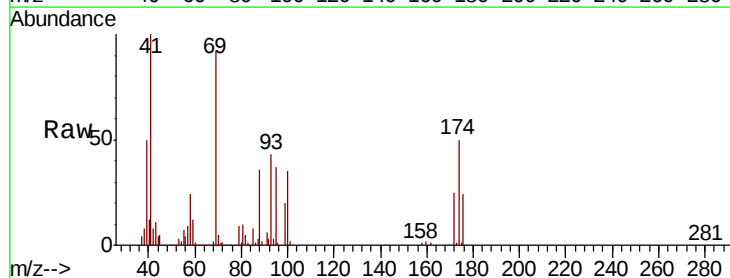
Tgt Ion: 41 Resp: 447925

Ion Ratio Lower Upper

41 100

69 98.1 77.5 116.3

39 51.0 39.8 59.6

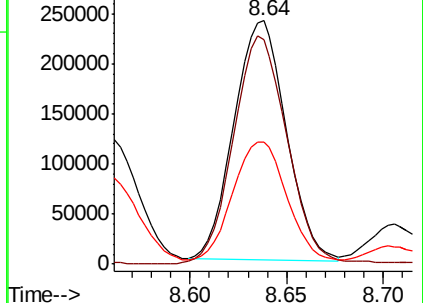
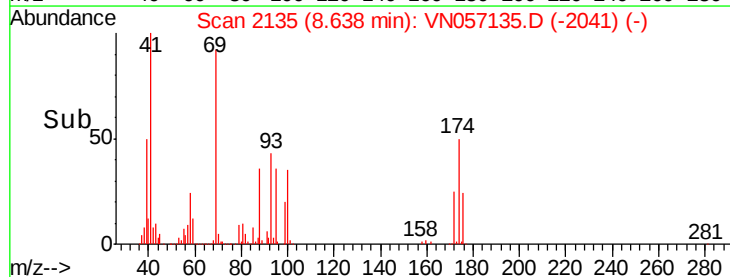


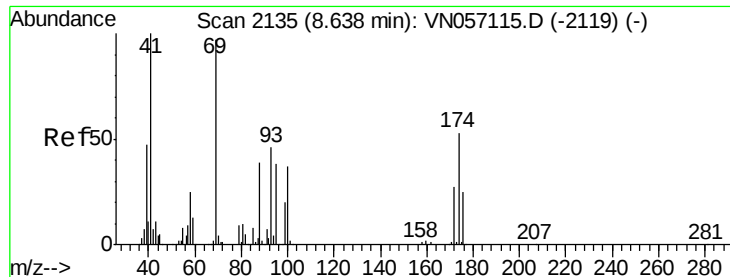
Abundance Ion 41.00 (40.70 to 41.70): VN057115.D (-2122) (-)

Ion 69.00 (68.70 to 69.70): VN057115.D (-2122) (-)

Ion 39.00 (38.70 to 39.70): VN057115.D (-2122) (-)

Time-->

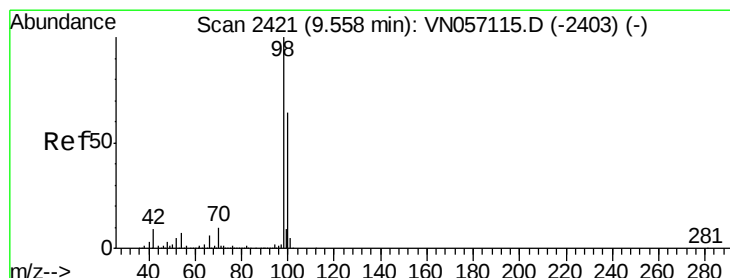
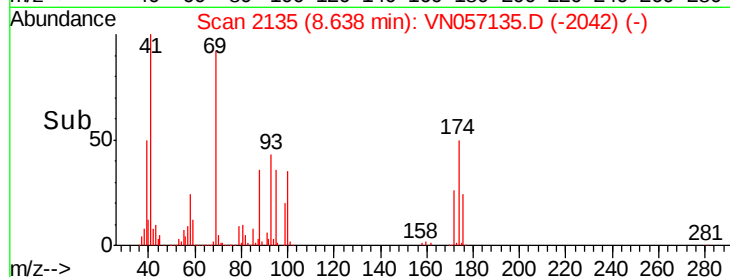
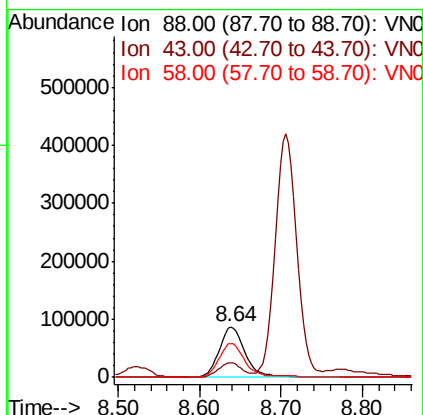
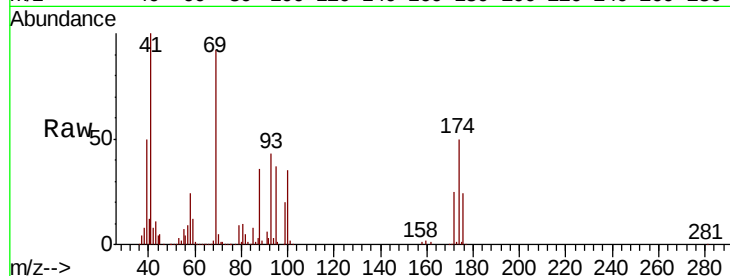




#49
 1,4-Dioxane
 Concen: 1092.986 ug/l
 RT: 8.64 min Scan# 2135
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

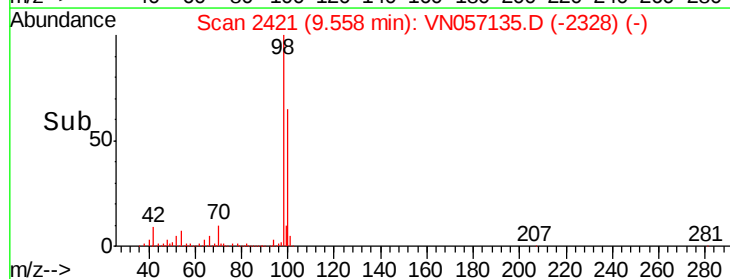
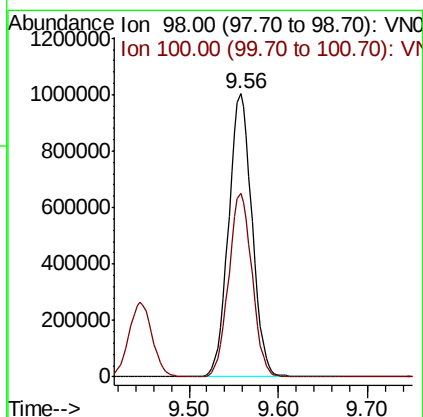
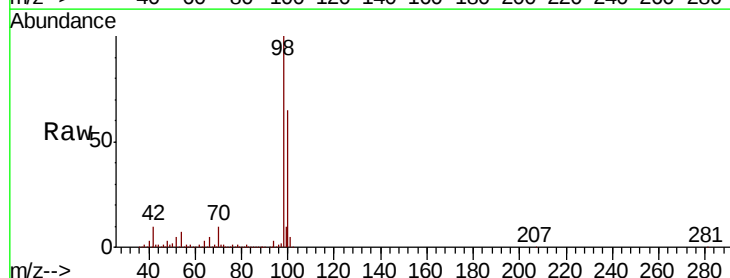
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

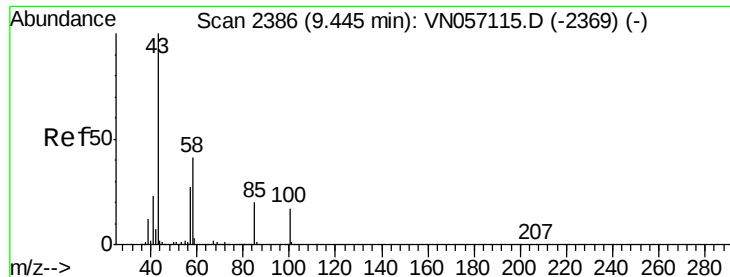
Tgt Ion: 88 Resp: 195379
 Ion Ratio Lower Upper
 88 100
 43 26.3 21.7 32.5
 58 66.4 51.1 76.7



#50
 Toluene-d8
 Concen: 47.199 ug/l
 RT: 9.56 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion: 98 Resp: 1820942
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.2 76.8

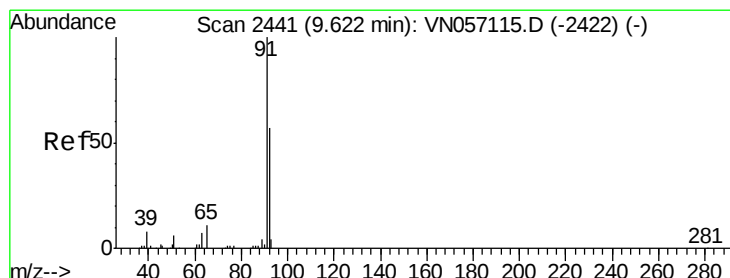
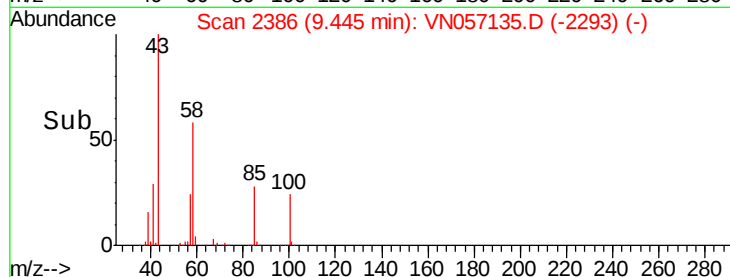
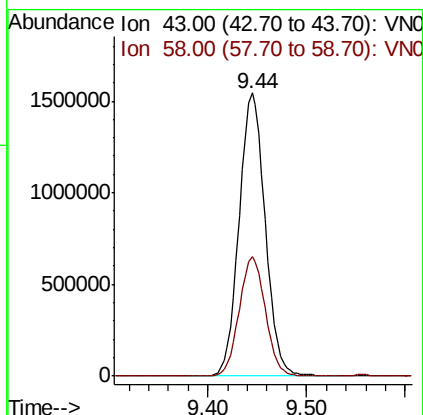
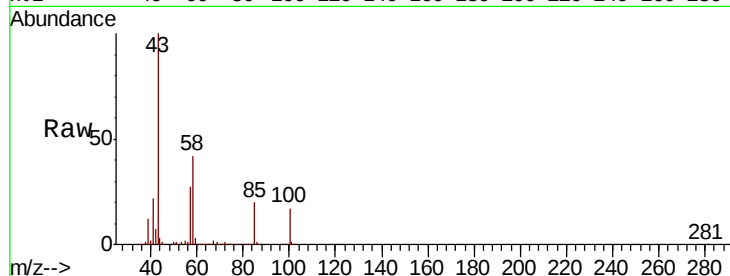




#51
 4-Methyl-2-Pentanone
 Concen: 260.756 ug/l
 RT: 9.44 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

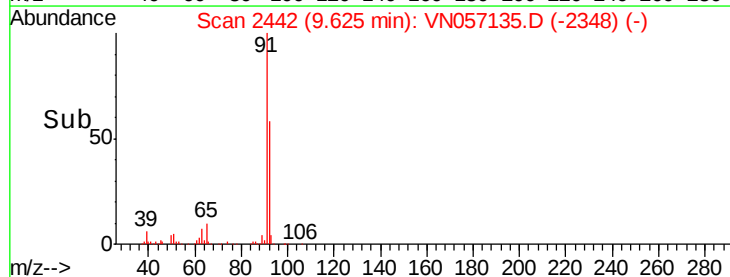
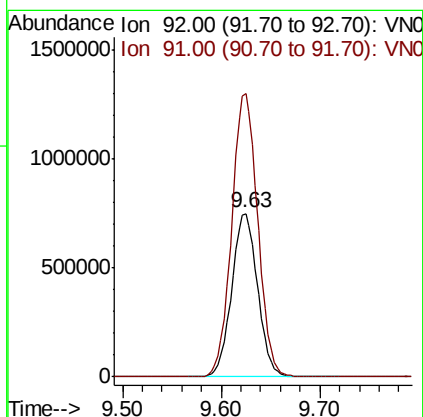
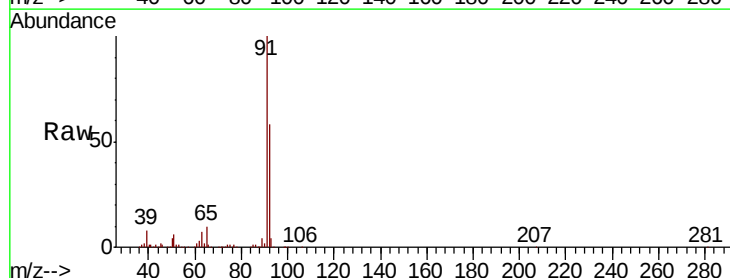
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

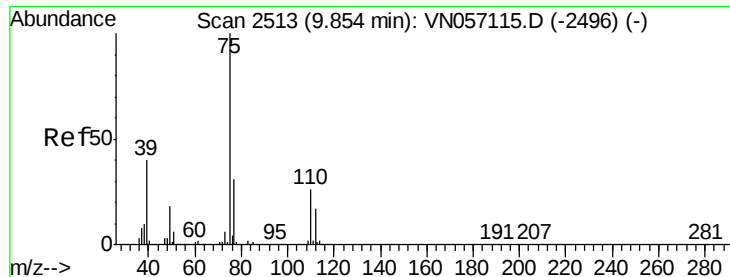
Tgt Ion: 43 Resp: 2824695
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.2 49.8



#52
 Toluene
 Concen: 52.596 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion: 92 Resp: 1367489
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.8 209.8

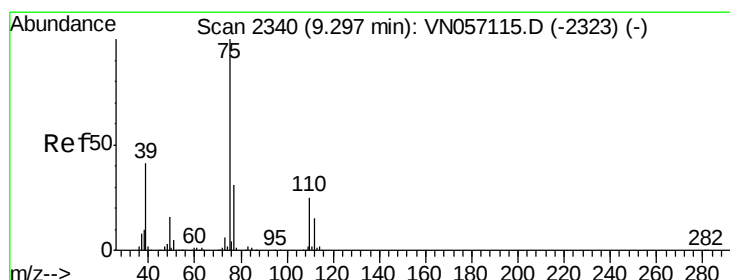
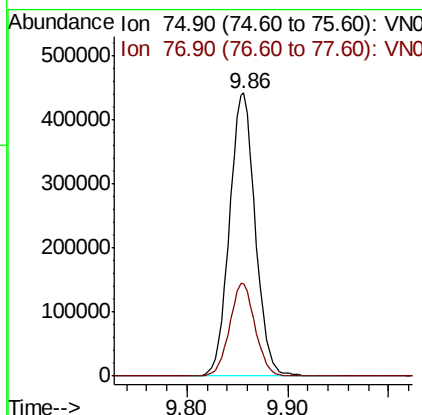
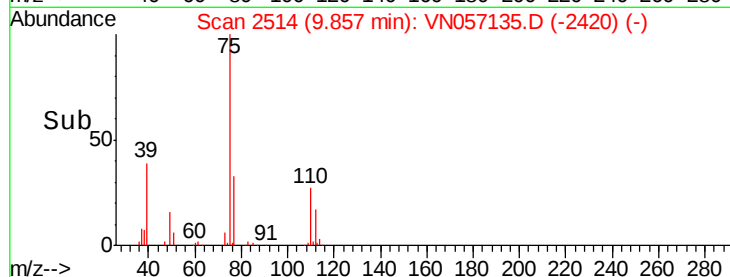
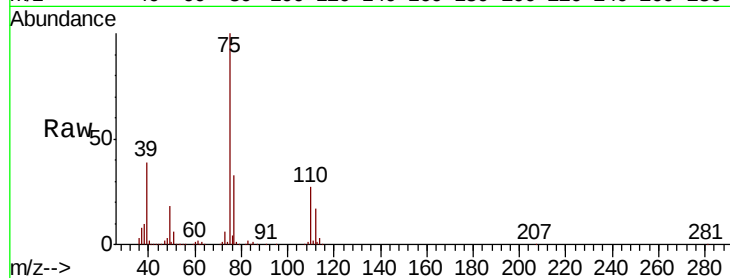




#53
 t-1,3-Dichloropropene
 Concen: 55.818 ug/l
 RT: 9.86 min Scan# 2514
 Delta R.T. 0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

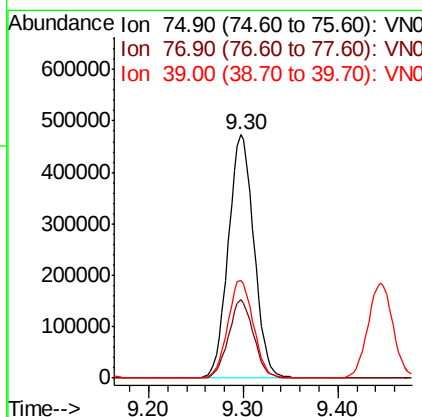
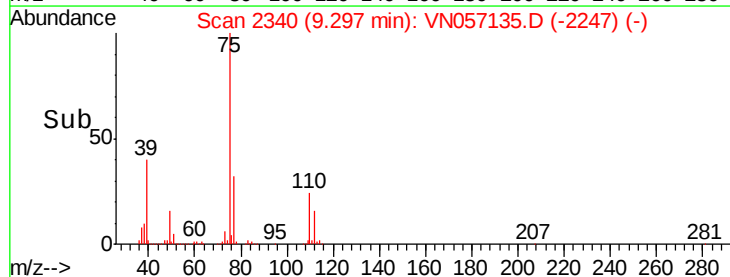
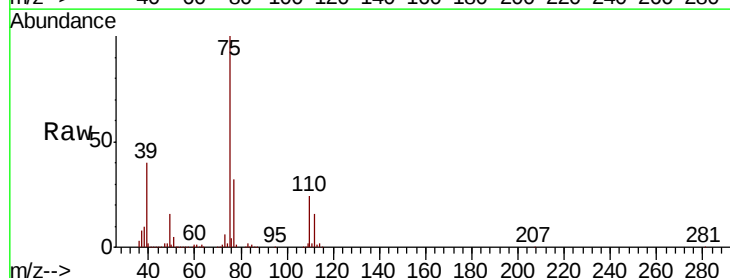
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

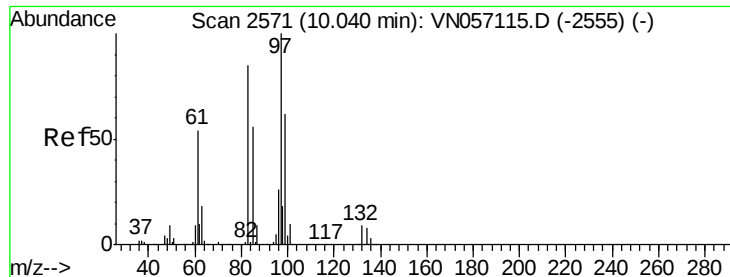
Tgt Ion: 75 Resp: 784626
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 55.221 ug/l
 RT: 9.30 min Scan# 2340
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion: 75 Resp: 890693
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7
 39 40.3 32.5 48.7





#55

1,1,2-Trichloroethane

Concen: 51.521 ug/l

RT: 10.04 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 526757

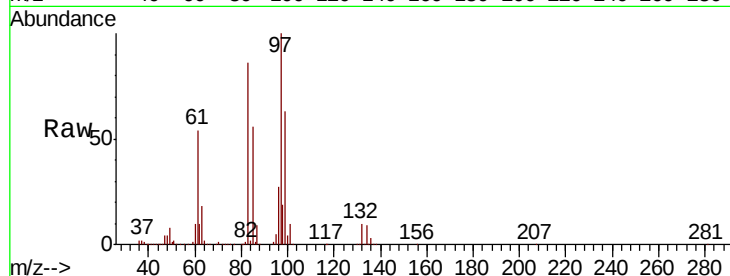
Ion Ratio Lower Upper

97 100

83 86.1 67.8 101.8

85 56.0 44.4 66.6

99 62.5 49.8 74.6

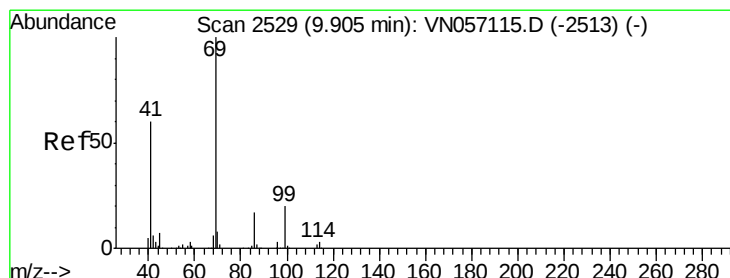
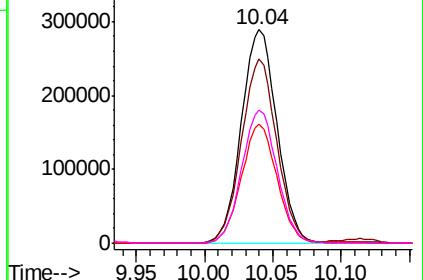
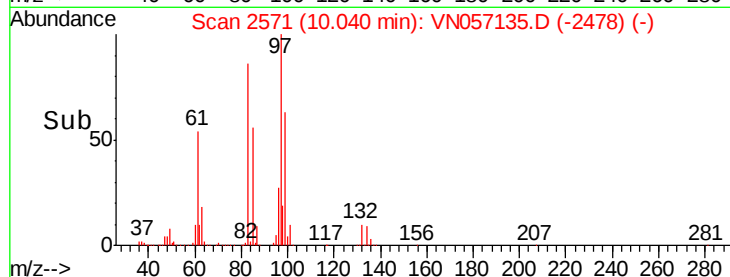


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.894 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

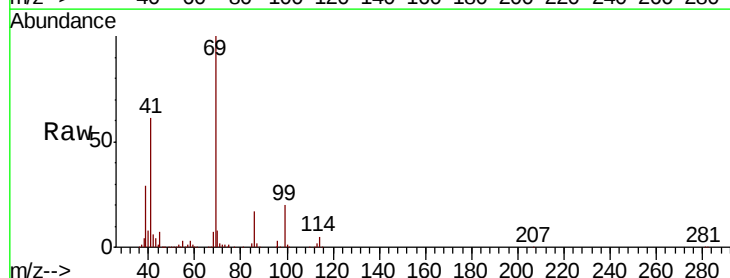
Tgt Ion: 69 Resp: 771515

Ion Ratio Lower Upper

69 100

41 60.1 48.1 72.1

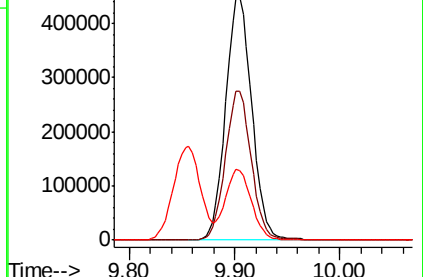
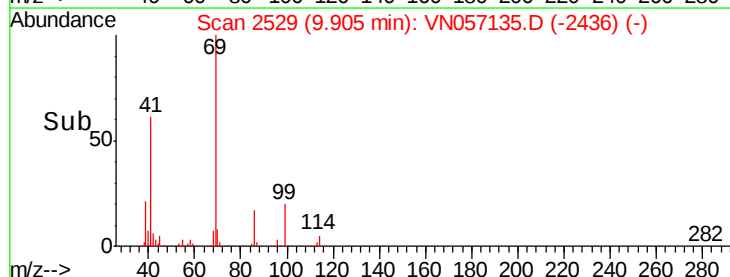
39 29.3 23.6 35.4

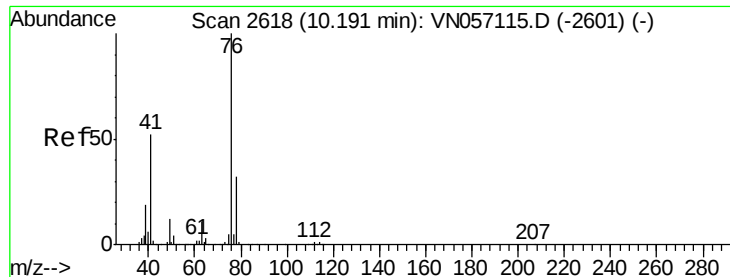


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

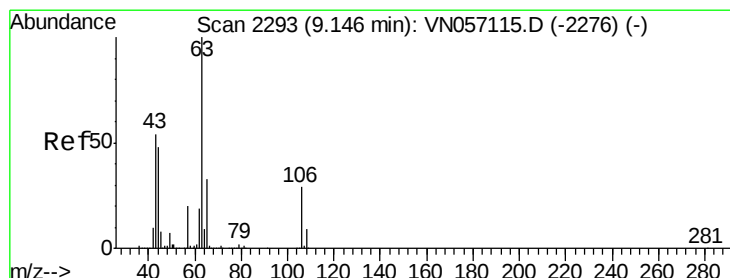
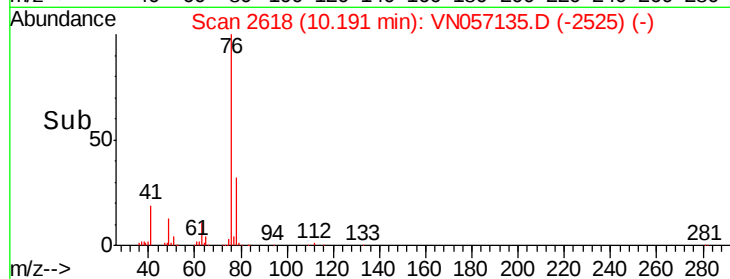
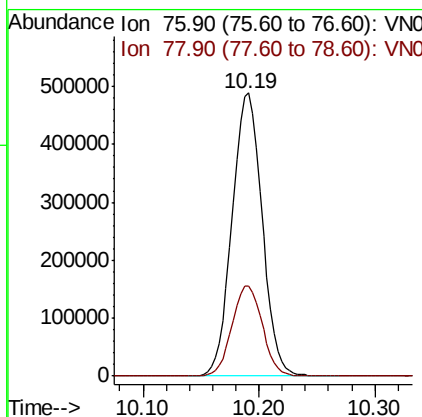
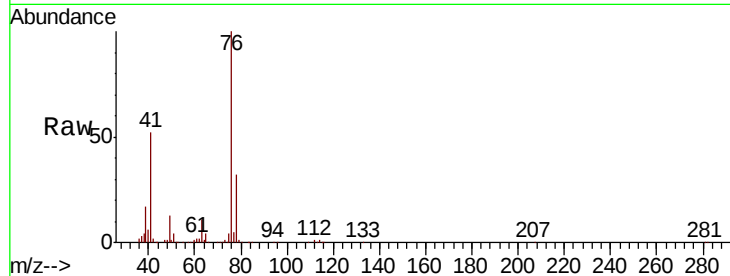




#57
 1,3-Dichloropropane
 Concen: 52.094 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

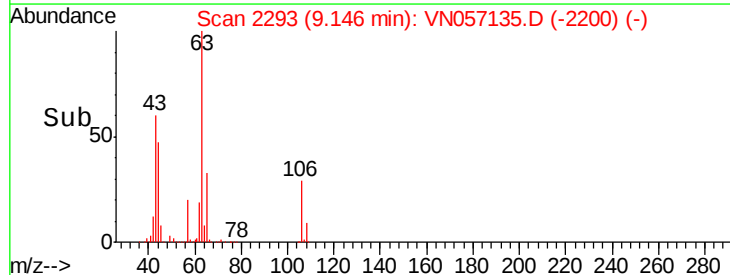
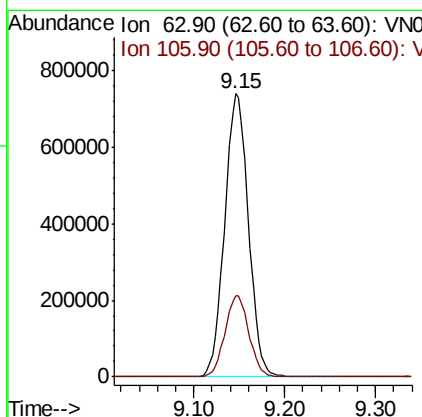
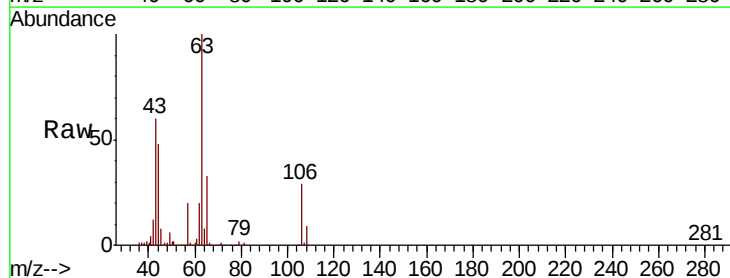
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

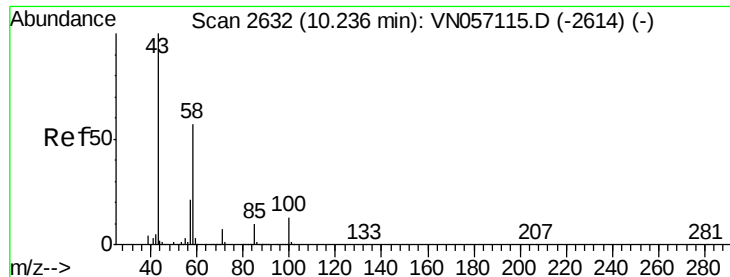
Tgt Ion: 76 Resp: 878330
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.793 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion: 63 Resp: 1341456
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.6 33.8

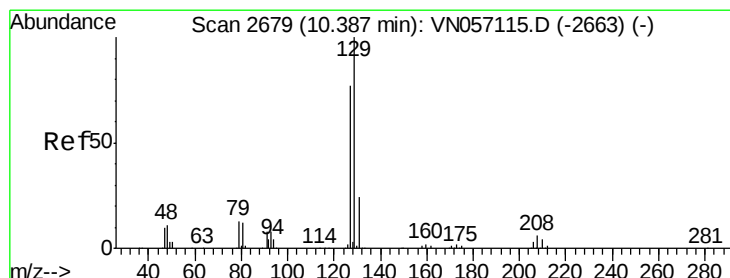
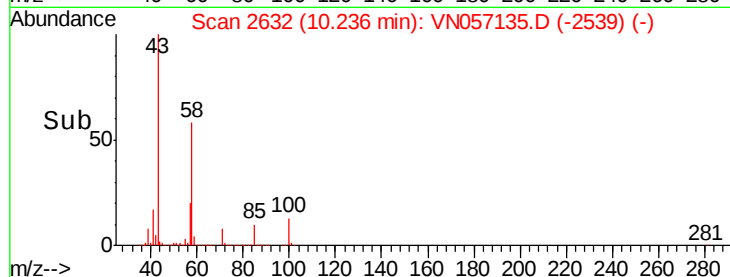
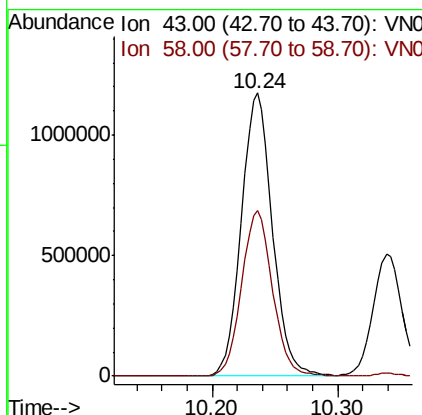
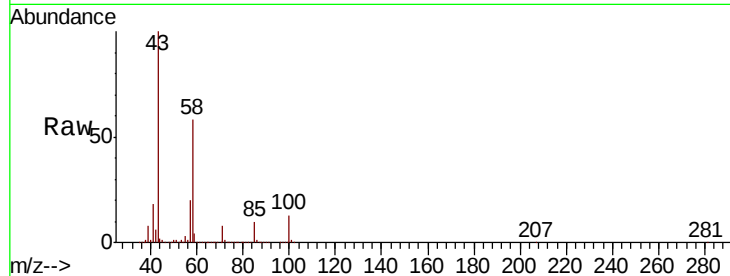




#59
2-Hexanone
Concen: 275.700 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

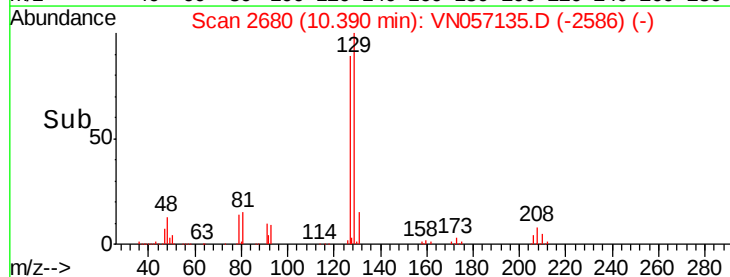
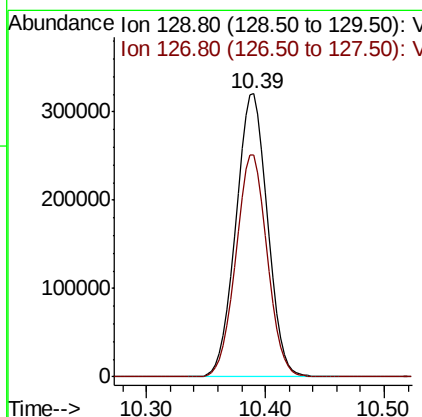
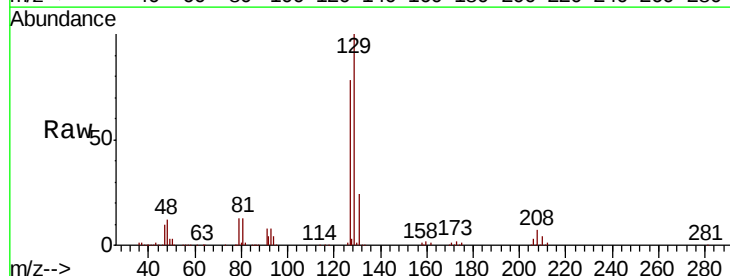
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

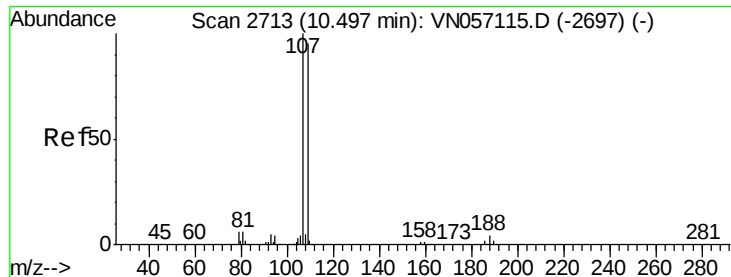
Tgt Ion: 43 Resp: 2021286
Ion Ratio Lower Upper
43 100
58 58.3 29.2 87.6



#60
Dibromochloromethane
Concen: 55.018 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion: 129 Resp: 590774
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.757 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

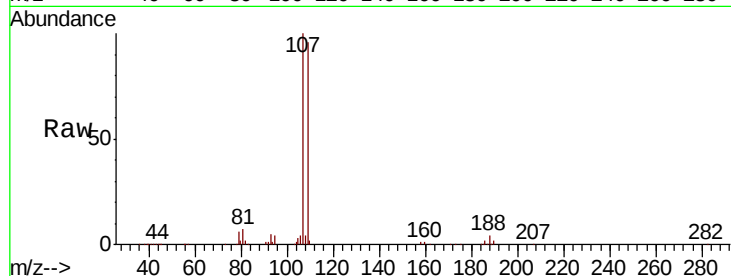
VSTDCCC050

Tgt Ion: 107 Resp: 546052

Ion Ratio Lower Upper

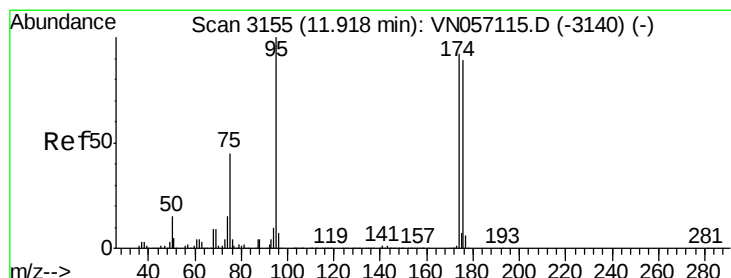
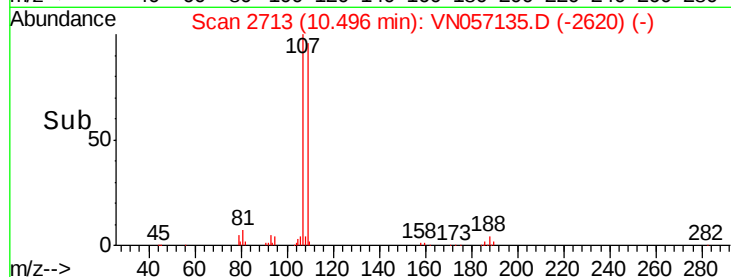
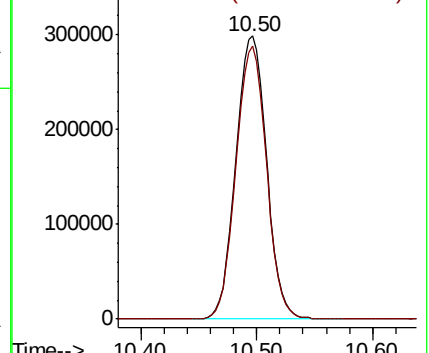
107 100

109 96.0 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.323 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

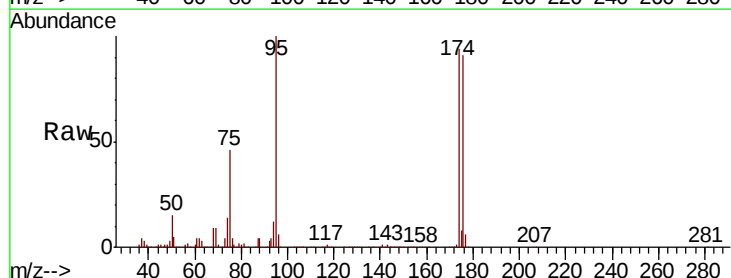
Tgt Ion: 95 Resp: 613127

Ion Ratio Lower Upper

95 100

174 95.2 0.0 185.0

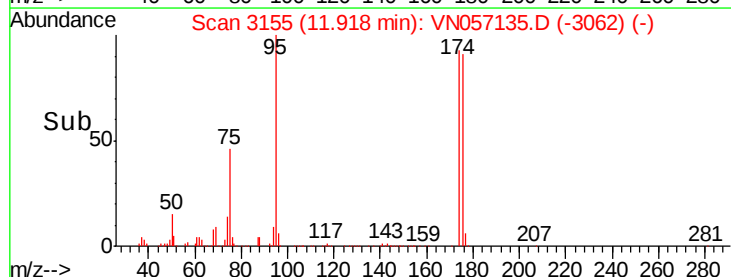
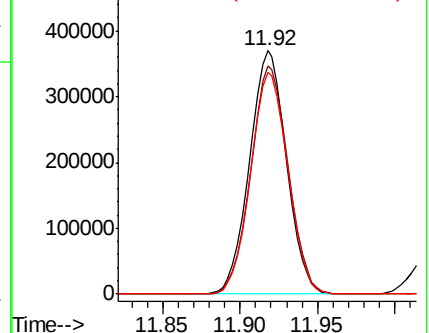
176 92.6 0.0 181.2

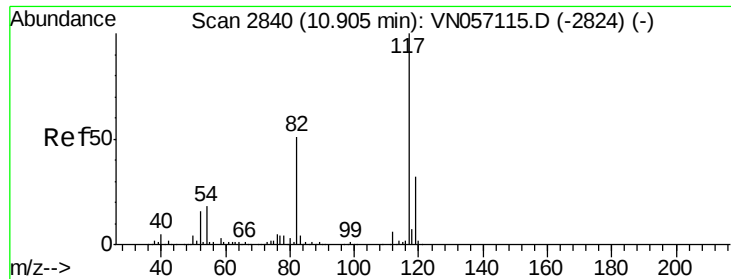


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

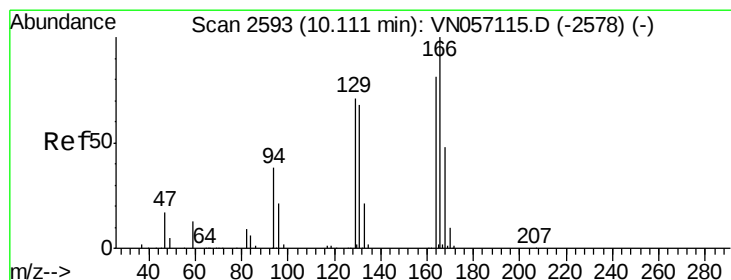
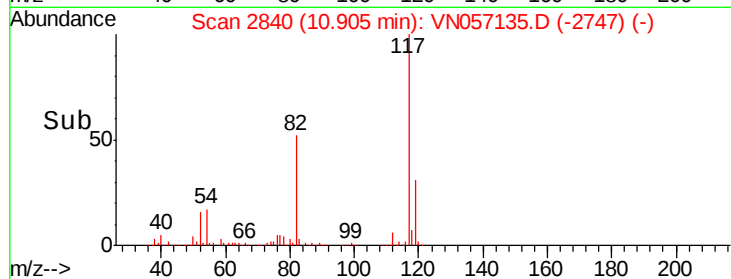
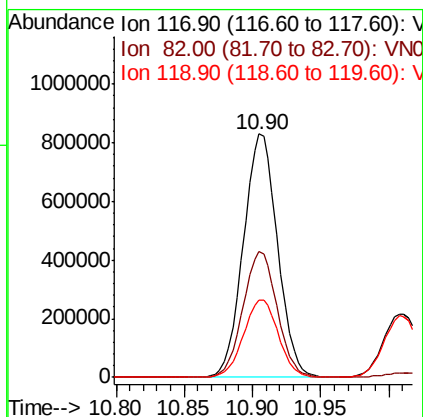
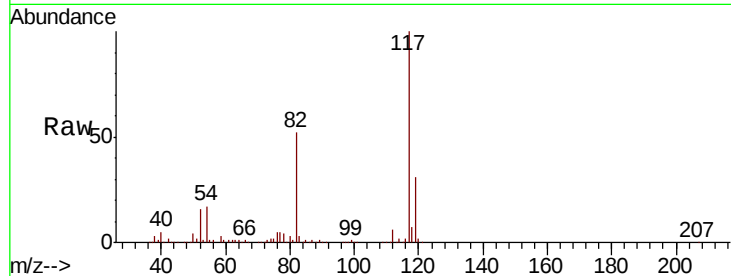




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

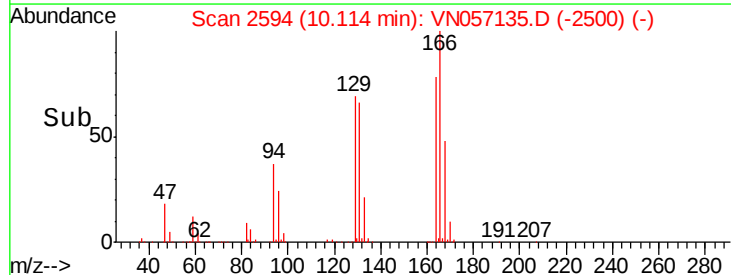
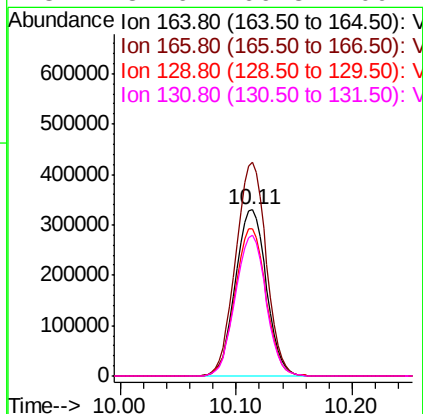
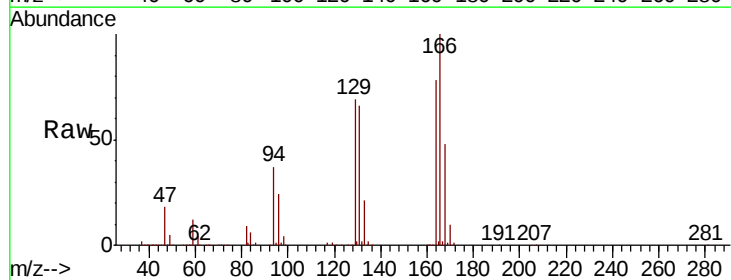
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

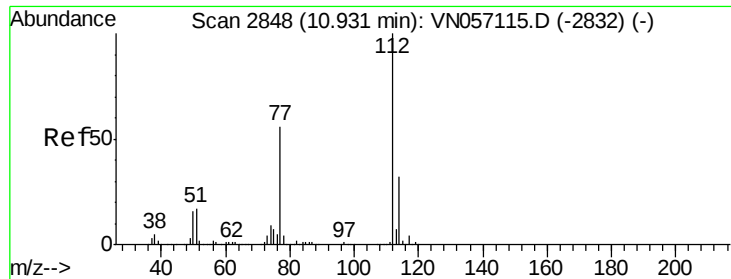
Tgt Ion:117 Resp: 1440457
Ion Ratio Lower Upper
117 100
82 51.6 40.8 61.2
119 31.5 25.7 38.5



#64
Tetrachloroethene
Concen: 51.084 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion:164 Resp: 611955
Ion Ratio Lower Upper
164 100
166 128.4 98.3 147.5
129 88.7 69.8 104.6
131 84.6 66.8 100.2

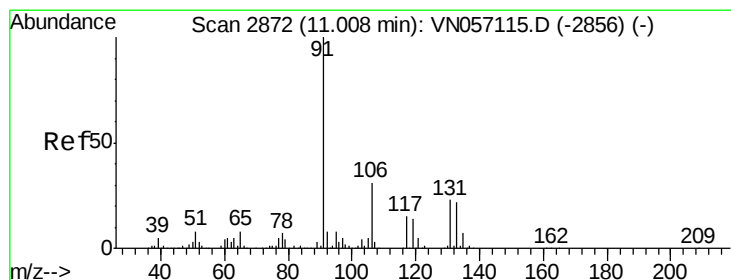
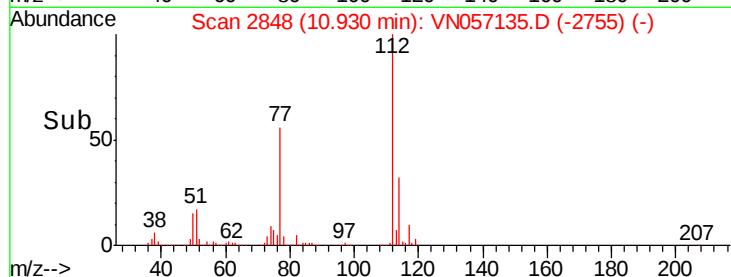
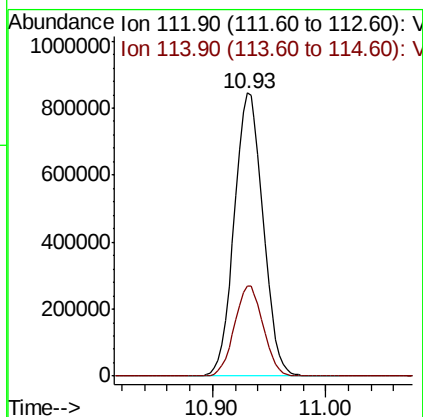
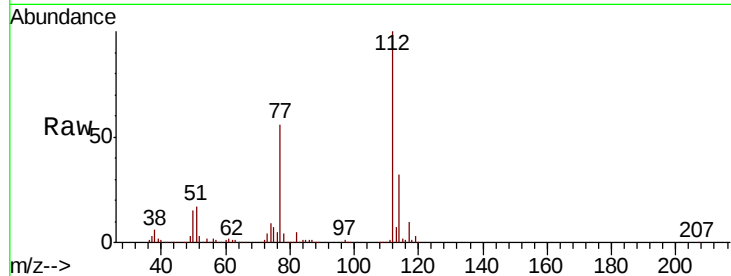




#65
Chlorobenzene
Concen: 51.702 ug/l
RT: 10.93 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

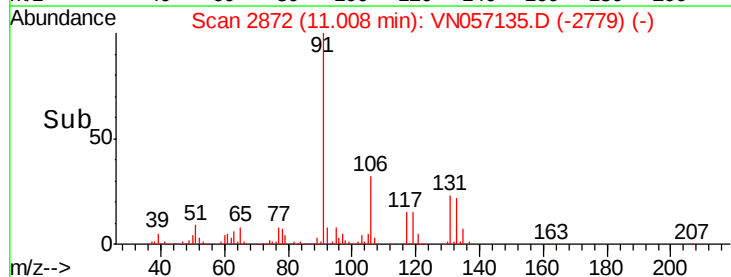
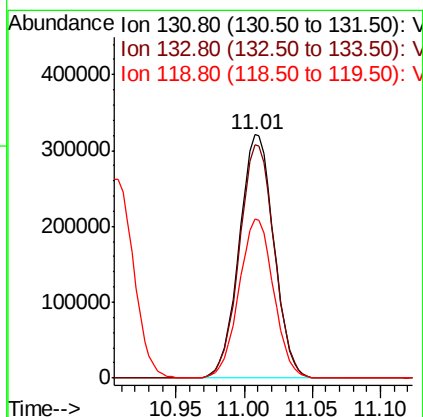
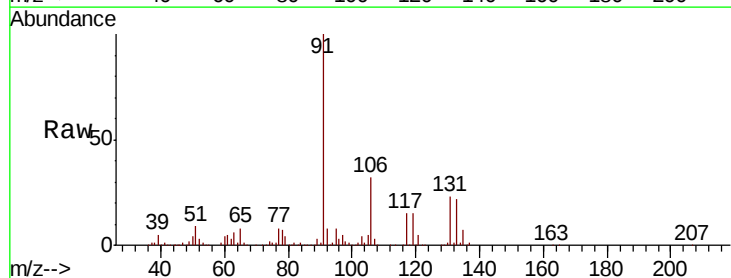
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

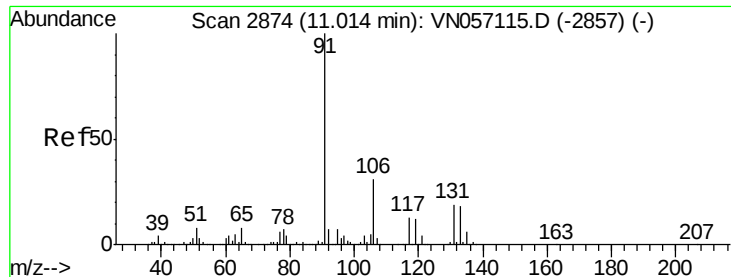
Tgt Ion:112 Resp: 1498472
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.307 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion:131 Resp: 566782
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.8
119 65.2 32.6 97.7





#67

Ethyl Benzene

Concen: 52.694 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

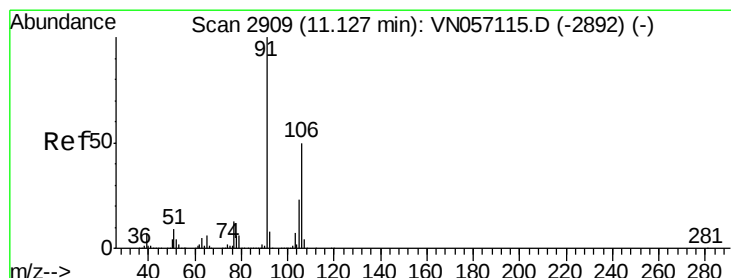
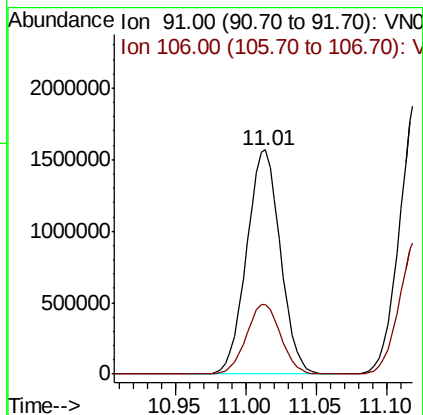
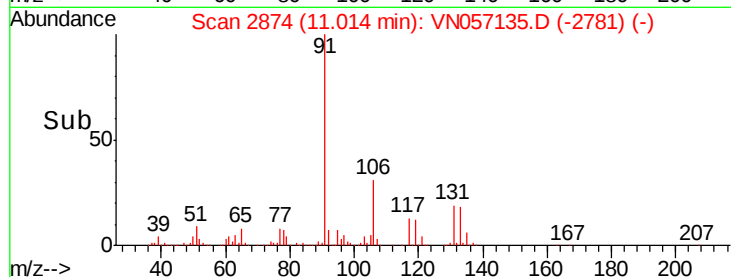
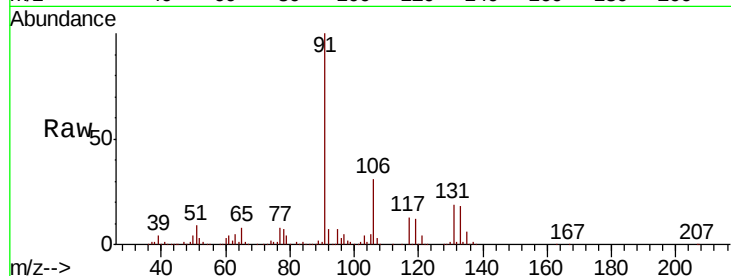
VSTDCCC050

Tgt Ion: 91 Resp: 2628491

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.4



#68

m/p-Xylenes

Concen: 108.174 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057135.D

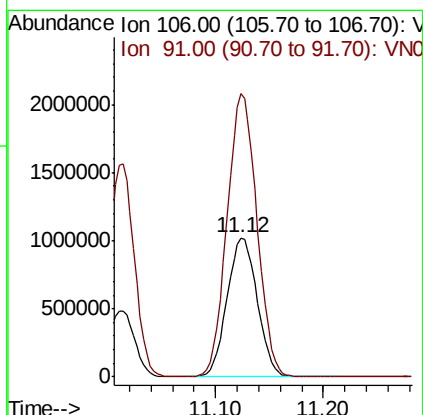
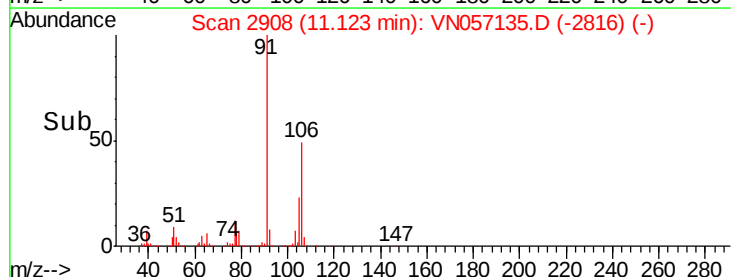
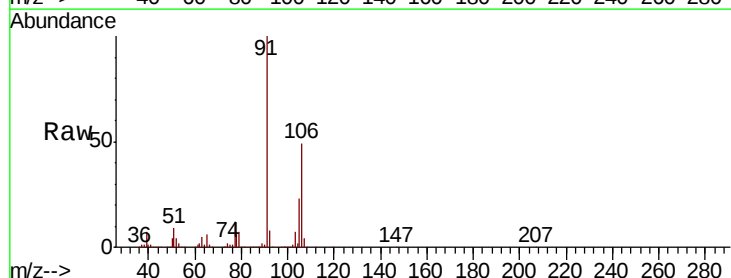
Acq: 9 Aug 2019 10:23

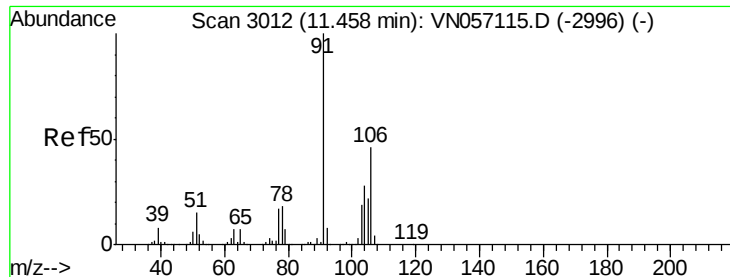
Tgt Ion: 106 Resp: 1987915

Ion Ratio Lower Upper

106 100

91 201.6 159.8 239.8

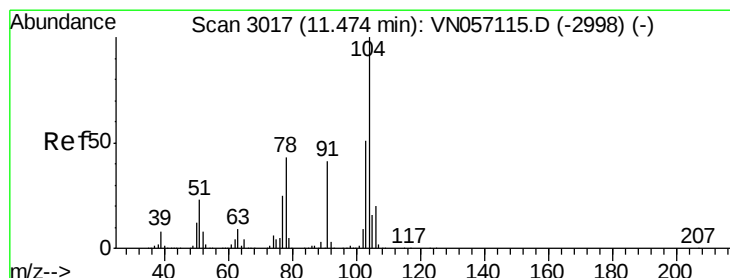
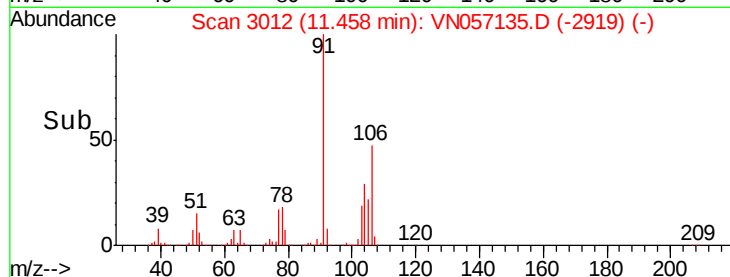
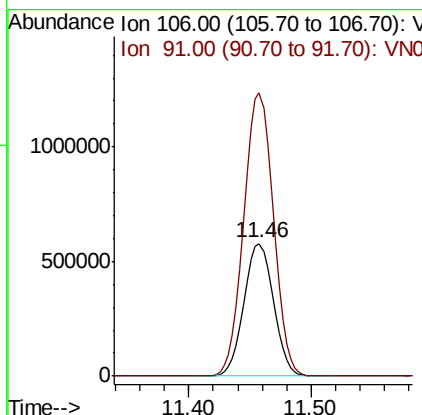
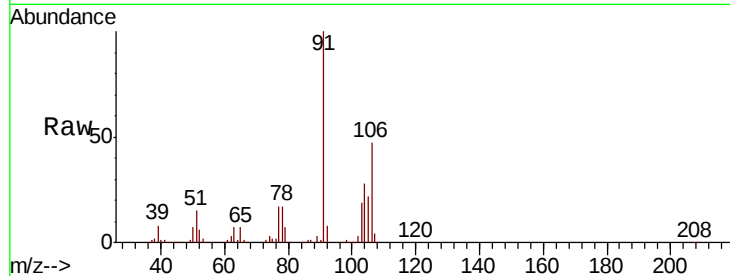




#69
o-Xylene
Concen: 52.796 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

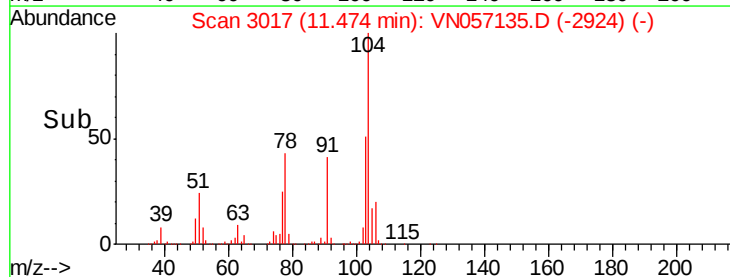
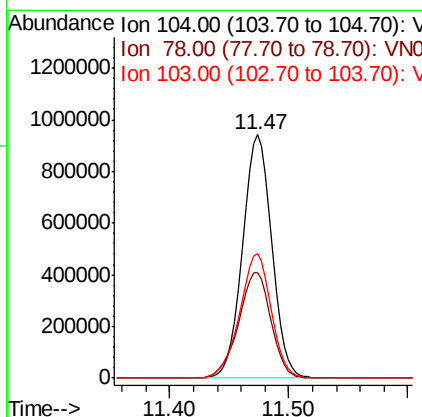
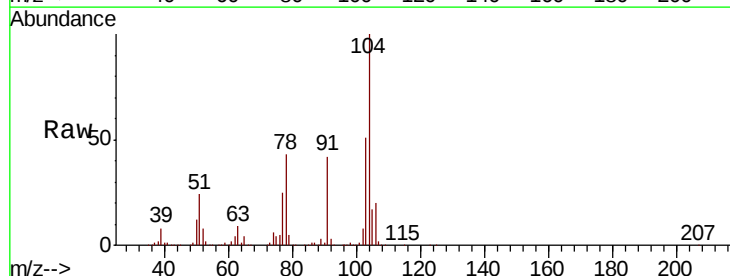
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

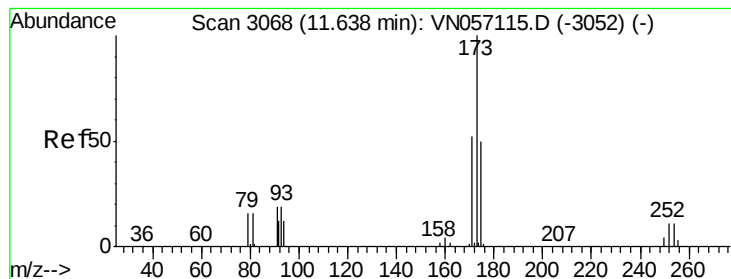
Tgt Ion:106 Resp: 965618
Ion Ratio Lower Upper
106 100
91 213.7 106.8 320.5



#70
Styrene
Concen: 56.023 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057135.D
Acq: 9 Aug 2019 10:23

Tgt Ion:104 Resp: 1600414
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 55.1 44.6 66.8





#71

Bromoform

Concen: 55.655 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

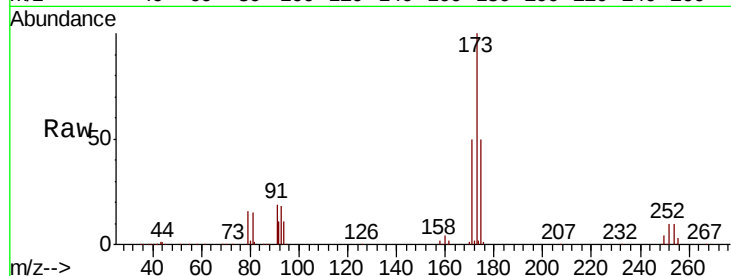
Tgt Ion:173 Resp: 441747

Ion Ratio Lower Upper

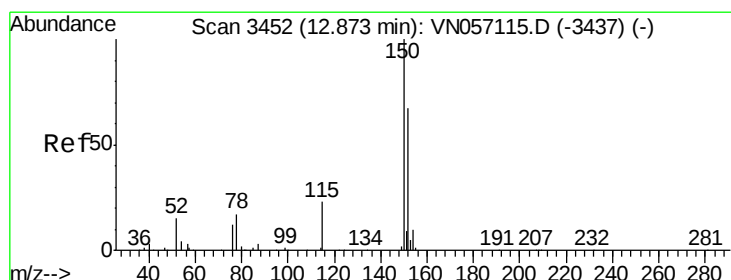
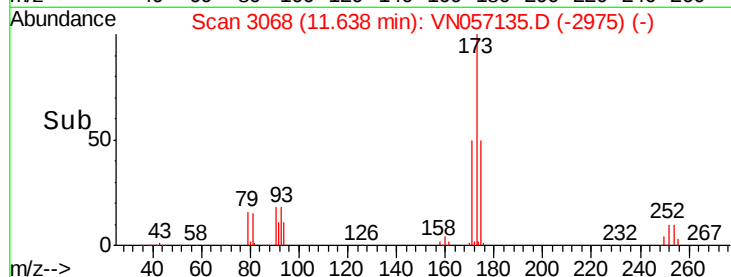
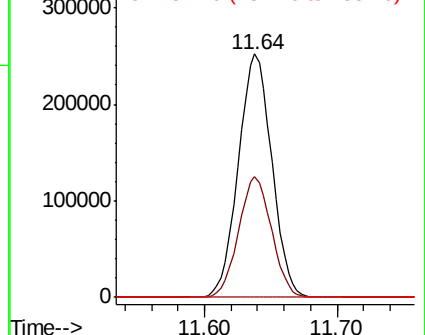
173 100

175 48.8 24.6 73.8

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

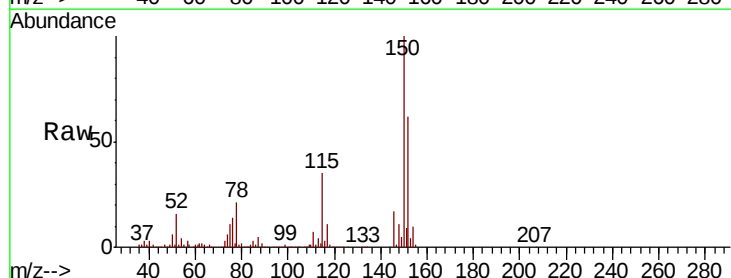
Tgt Ion:152 Resp: 612553

Ion Ratio Lower Upper

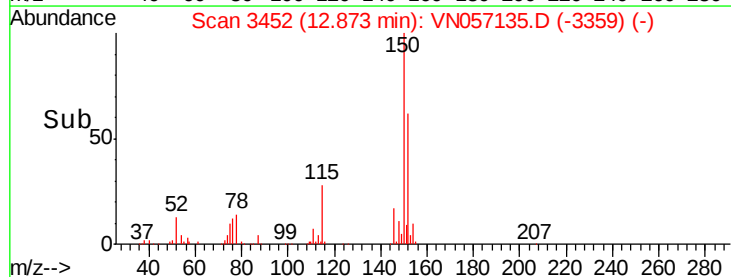
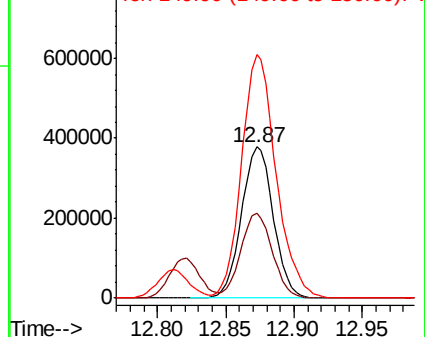
152 100

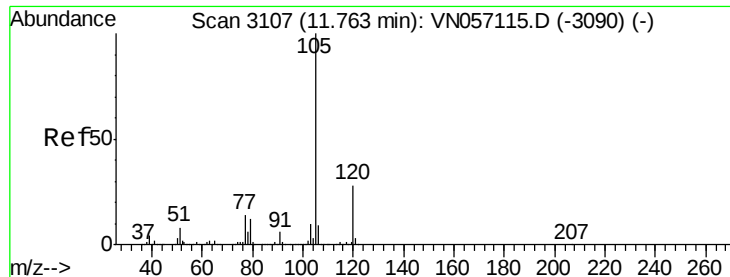
115 55.8 27.5 82.5

150 174.4 0.0 341.6



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: 52.423 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

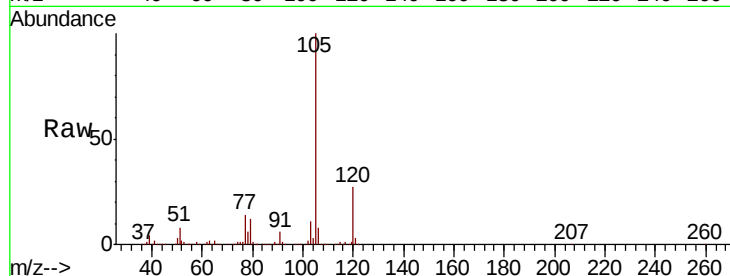
VSTDCCC050

Tgt Ion:105 Resp: 2609075

Ion Ratio Lower Upper

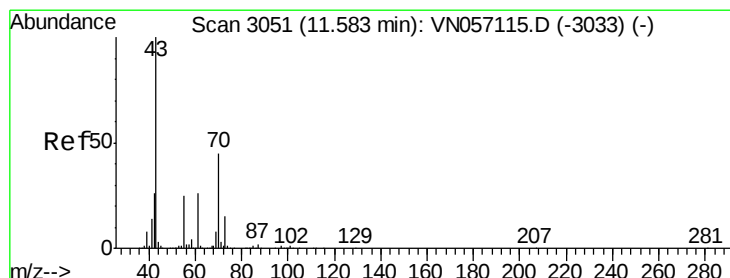
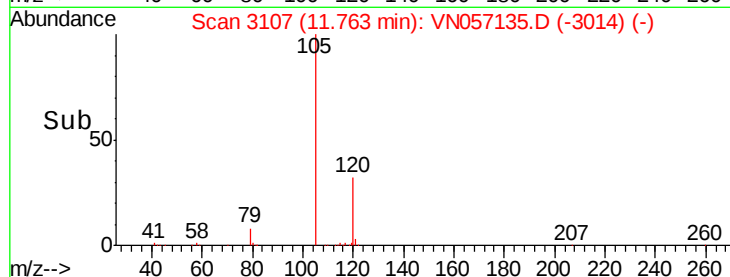
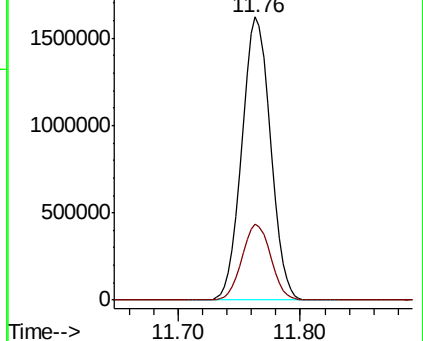
105 100

120 26.9 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.644 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Tgt Ion: 43 Resp: 770608

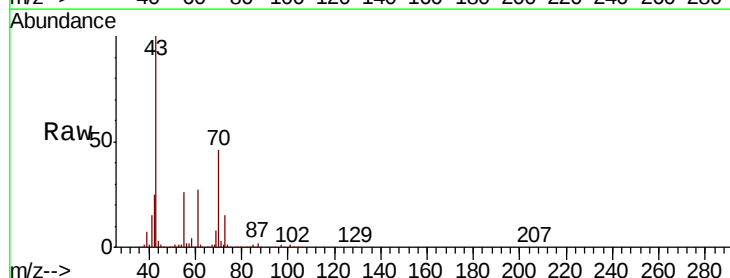
Ion Ratio Lower Upper

43 100

70 46.0 36.8 55.2

55 25.9 20.6 31.0

61 26.5 21.0 31.4

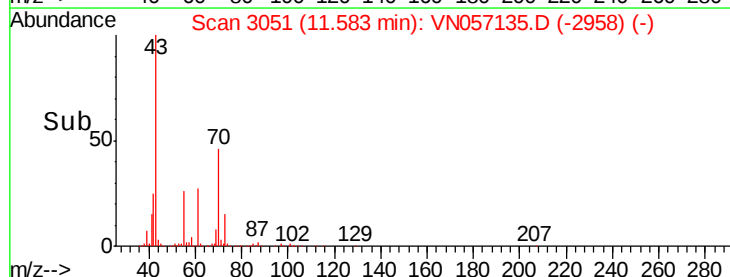
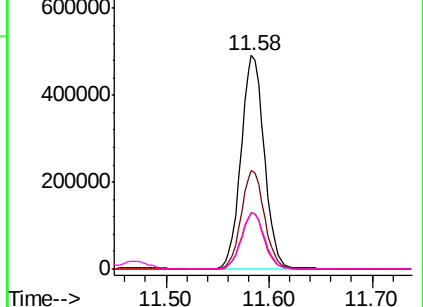


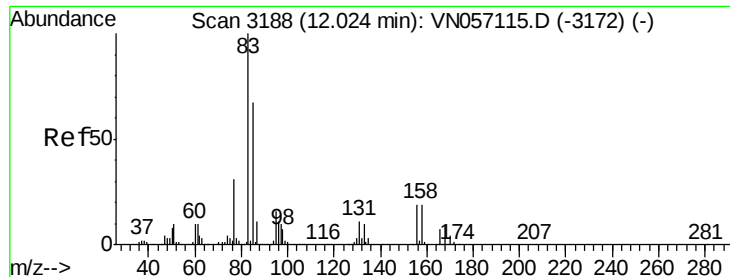
Abundance Ion 43.00 (42.70 to 43.70): V

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: 53.776 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

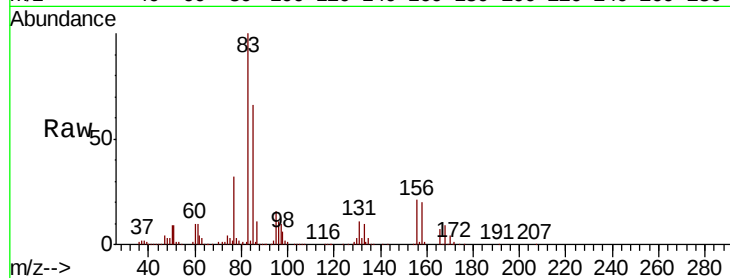
Tgt Ion: 83 Resp: 714088

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

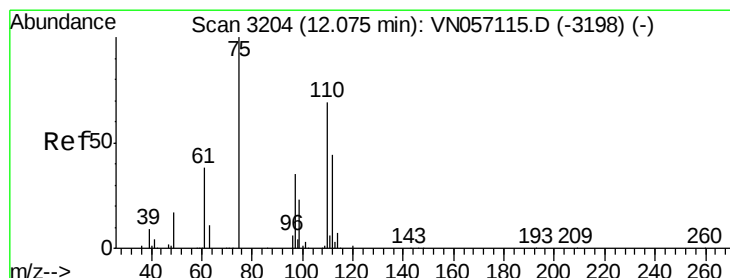
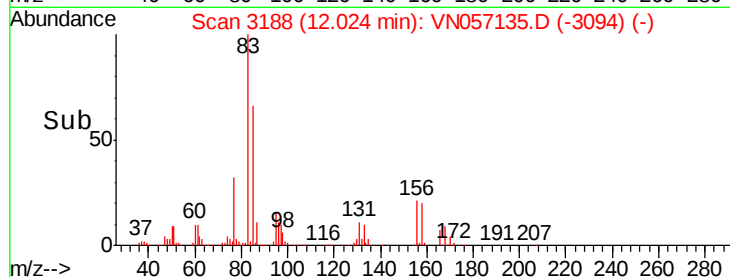
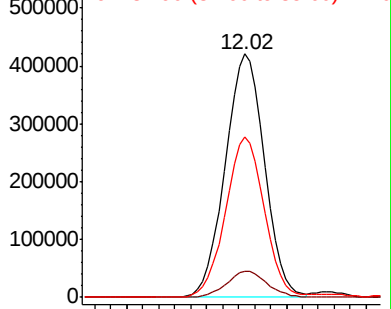
85 64.8 32.4 97.0



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: 73.959 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057135.D

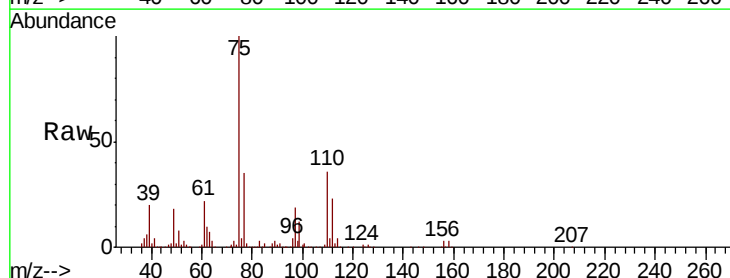
Acq: 9 Aug 2019 10:23

Tgt Ion: 75 Resp: 867200

Ion Ratio Lower Upper

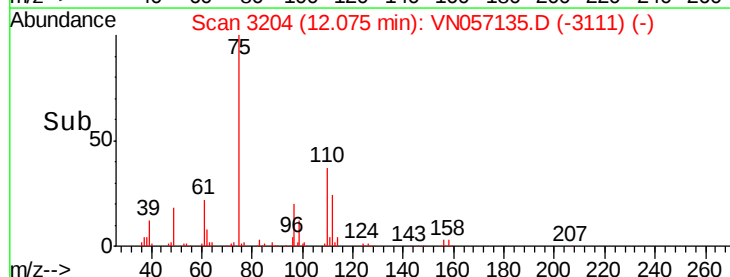
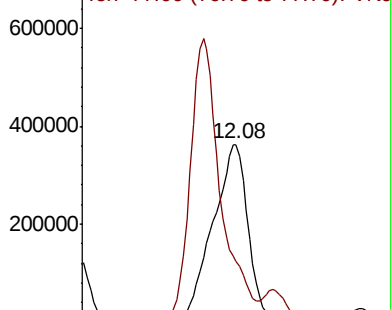
75 100

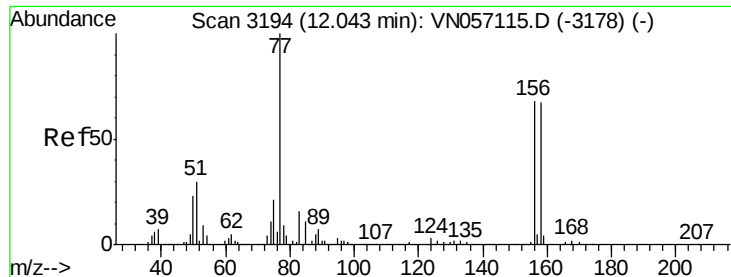
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.178 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

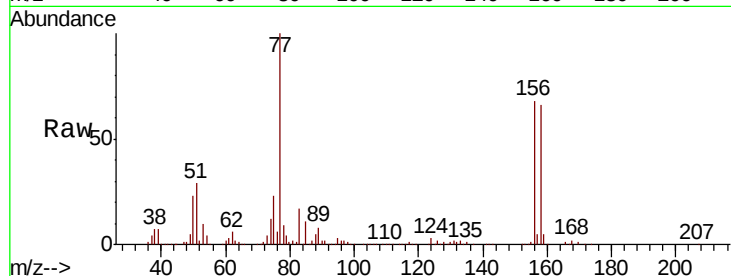
Tgt Ion:156 Resp: 679890

Ion Ratio Lower Upper

156 100

77 175.4 88.7 266.1

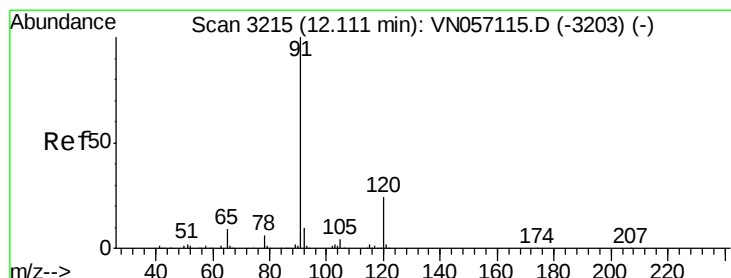
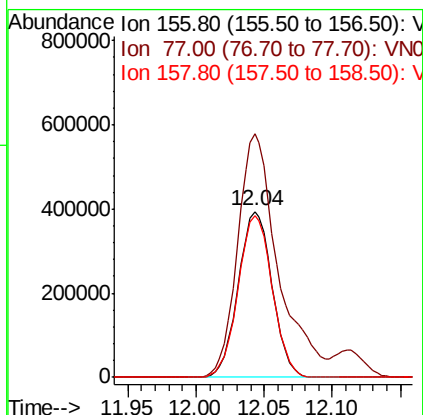
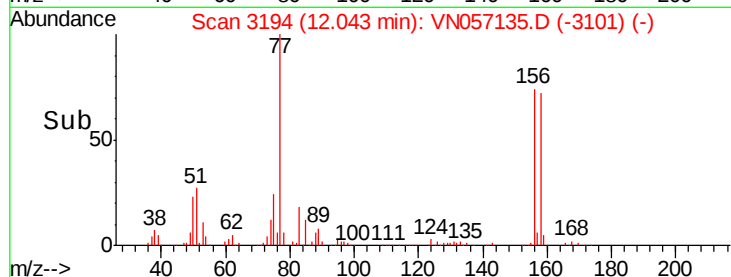
158 98.3 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.252 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. -0.00 min

Lab File: VN057135.D

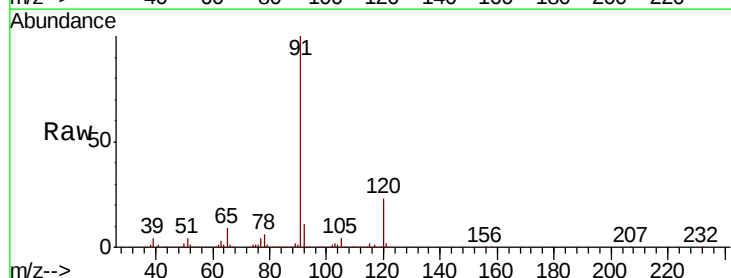
Acq: 9 Aug 2019 10:23

Tgt Ion: 91 Resp: 2835562

Ion Ratio Lower Upper

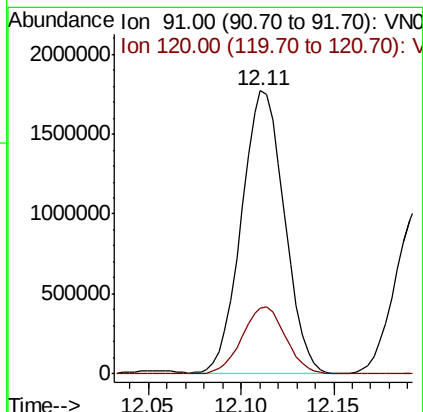
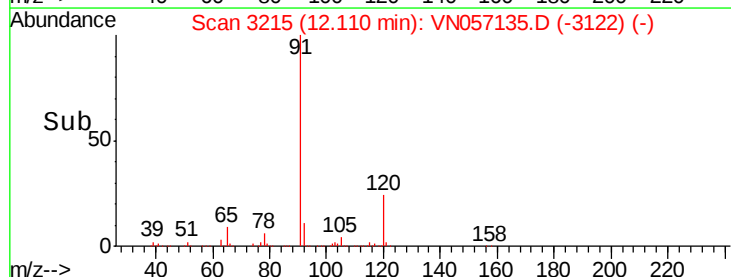
91 100

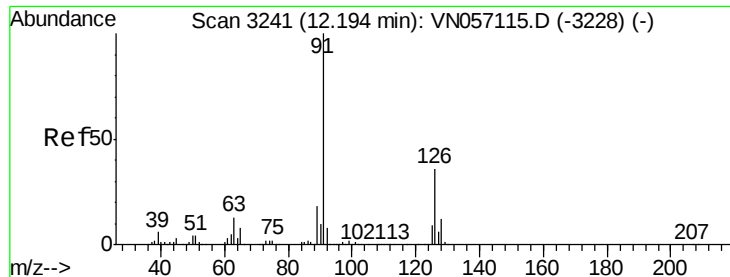
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

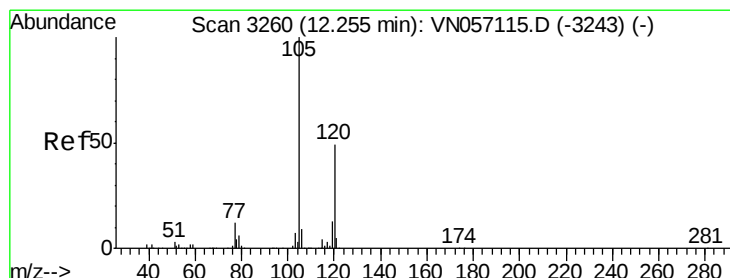
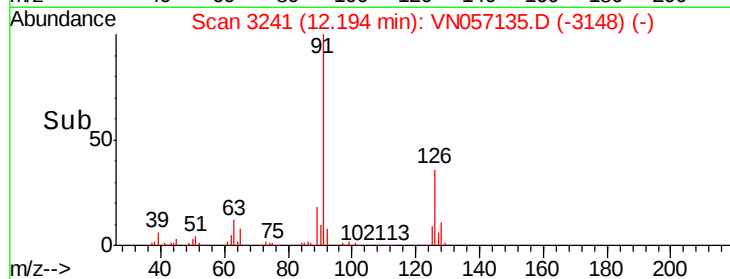
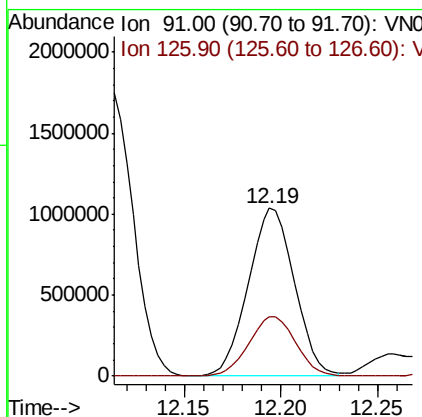
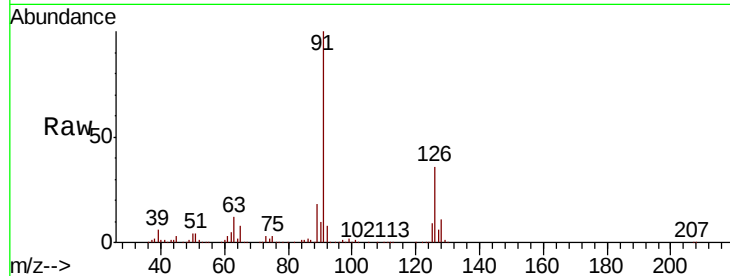




#79
 2-Chlorotoluene
 Concen: 52.447 ug/l
 RT: 12.19 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

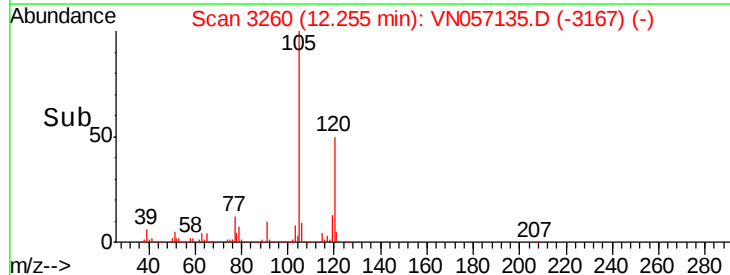
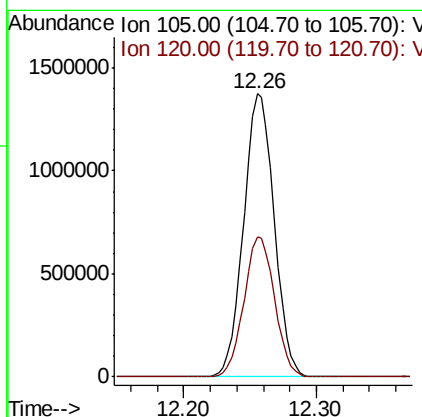
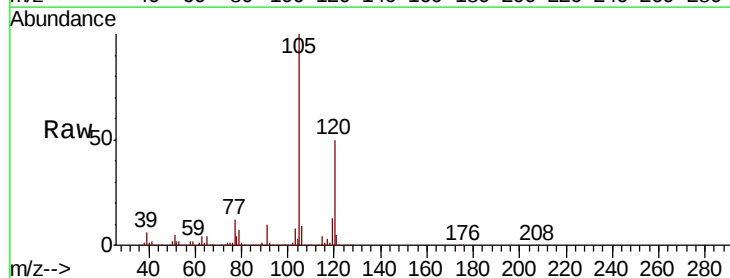
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

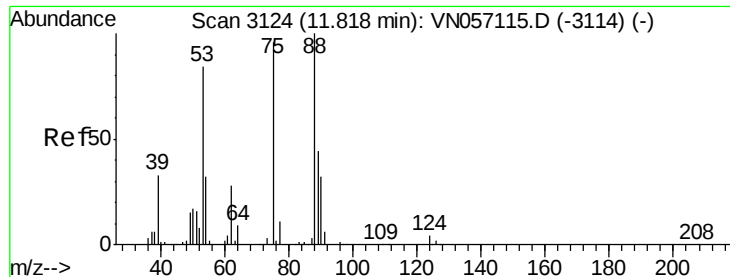
Tgt Ion: 91 Resp: 1714131
 Ion Ratio Lower Upper
 91 100
 126 36.4 18.1 54.3



#80
 1,3,5-Trimethylbenzene
 Concen: 46.401 ug/l
 RT: 12.26 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion: 105 Resp: 2194355
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 52.428 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

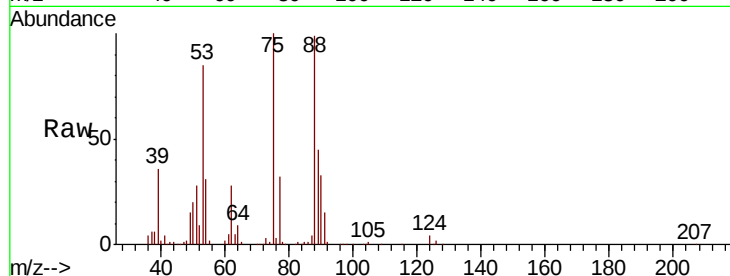
Tgt Ion: 75 Resp: 218416

Ion Ratio Lower Upper

75 100

53 86.2 70.6 106.0

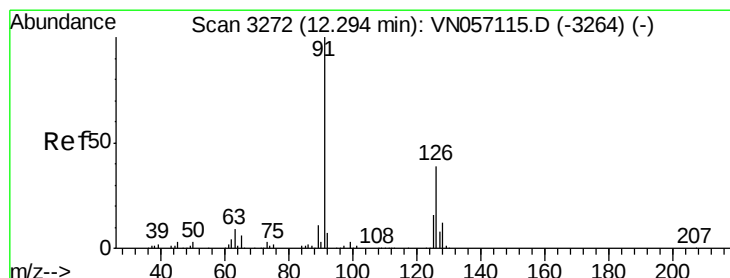
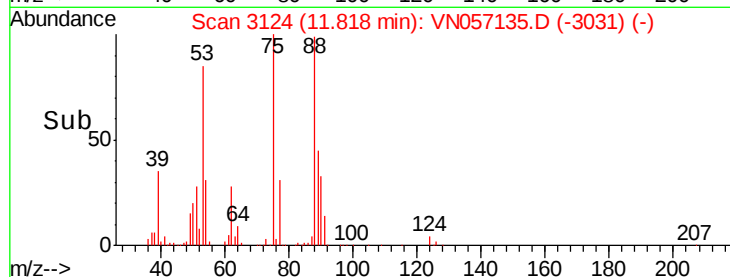
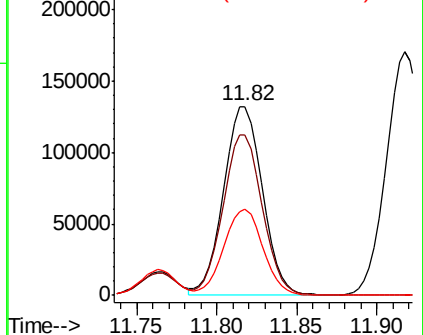
89 46.0 36.4 54.6



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: 48.527 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057135.D

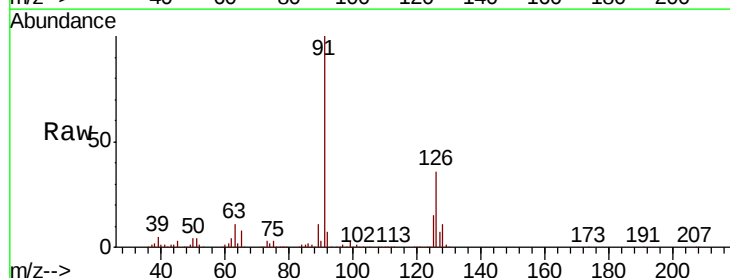
Acq: 9 Aug 2019 10:23

Tgt Ion: 91 Resp: 1651197

Ion Ratio Lower Upper

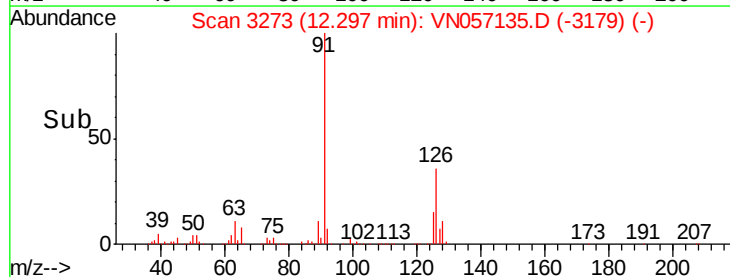
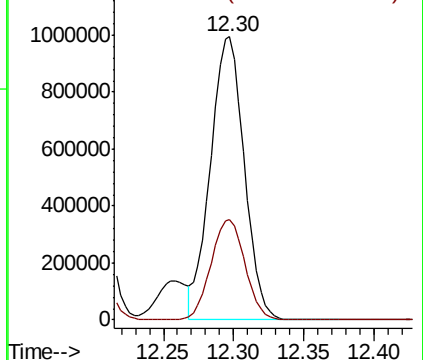
91 100

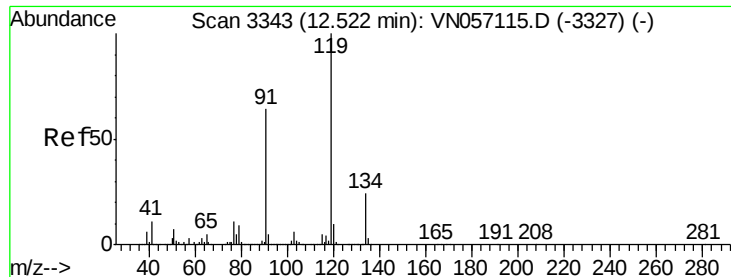
126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

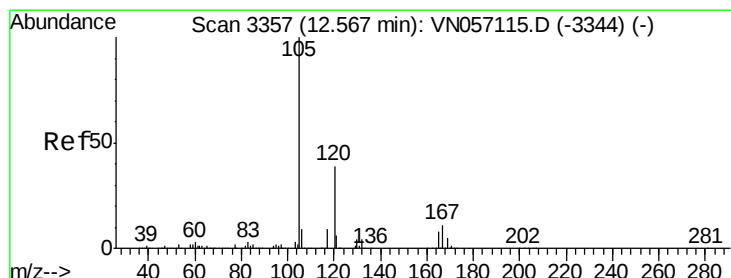
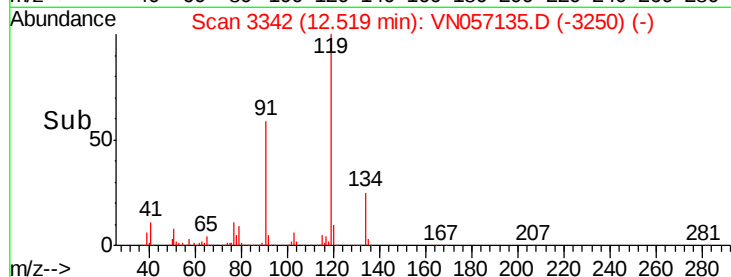
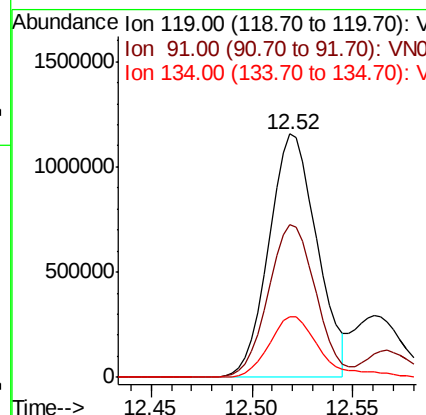
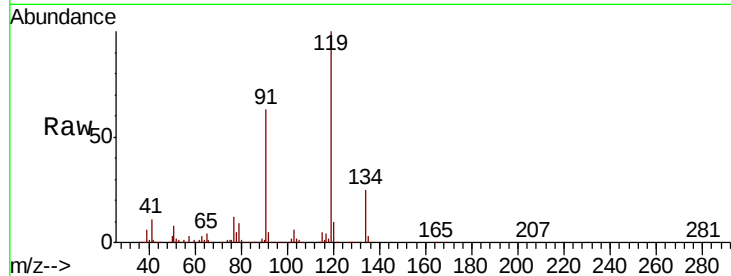




#83
 tert-Butylbenzene
 Concen: 51.345 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

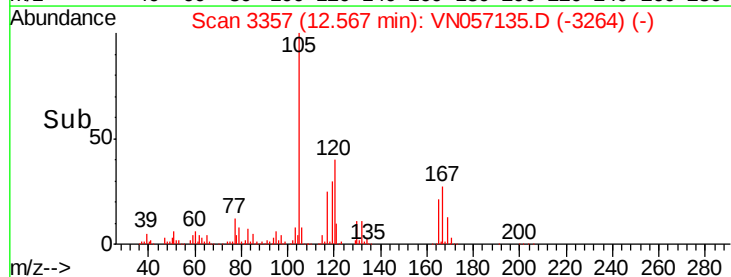
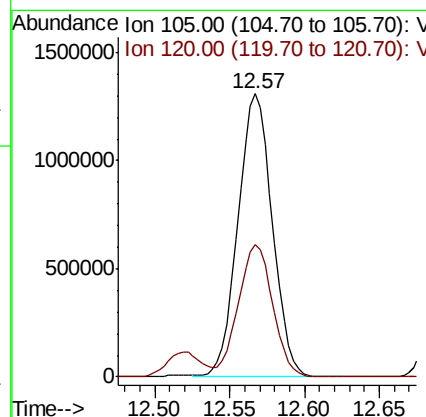
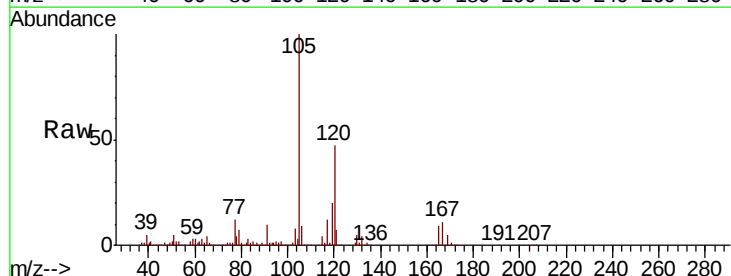
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

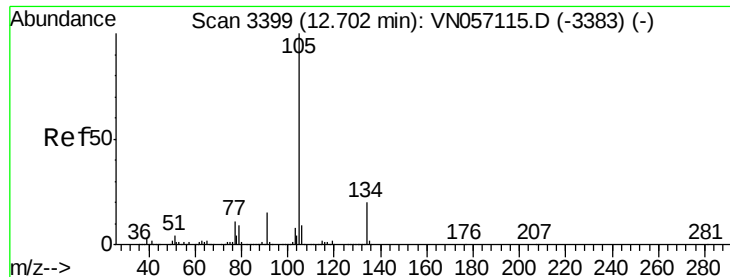
Tgt Ion:119 Resp: 1912024
 Ion Ratio Lower Upper
 119 100
 91 62.0 31.4 94.2
 134 26.6 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 45.663 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion:105 Resp: 2087268
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 46.530 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

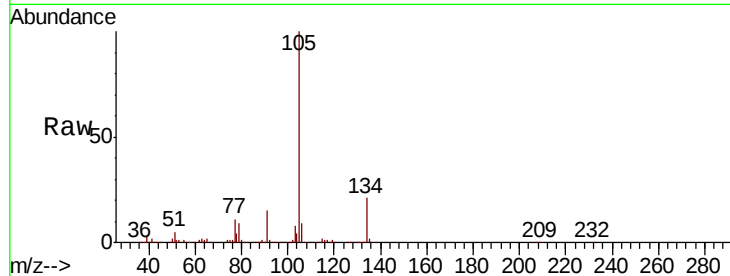
VSTDCCC050

Tgt Ion:105 Resp: 2483254

Ion Ratio Lower Upper

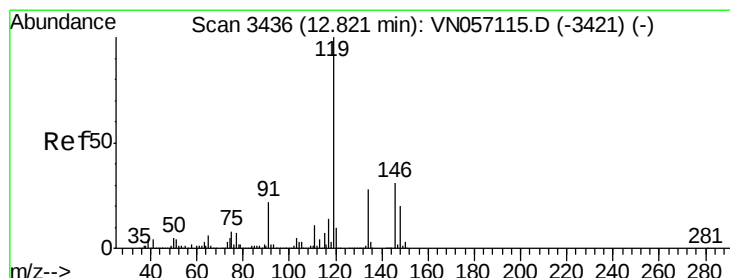
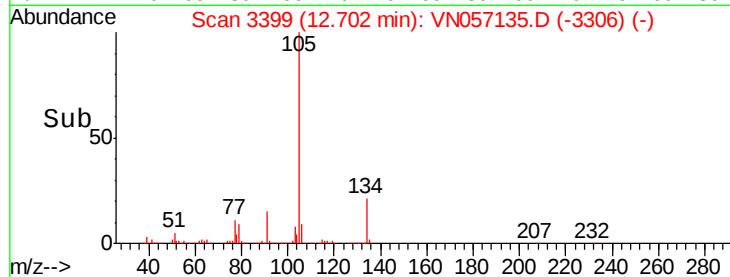
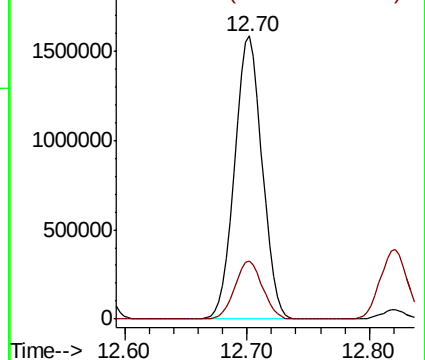
105 100

134 20.8 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.429 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

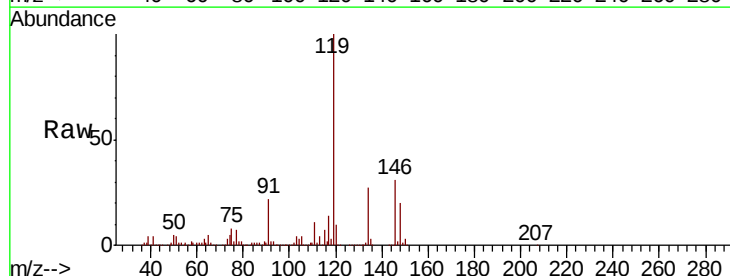
Tgt Ion:119 Resp: 2221105

Ion Ratio Lower Upper

119 100

134 27.1 13.8 41.3

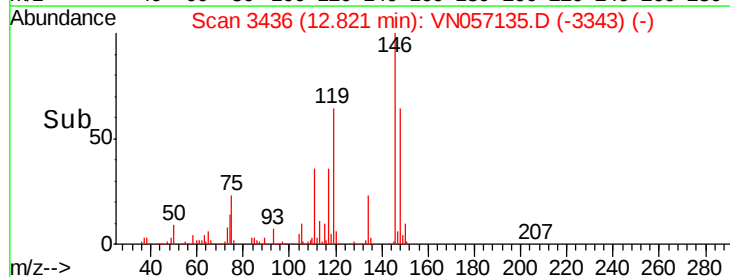
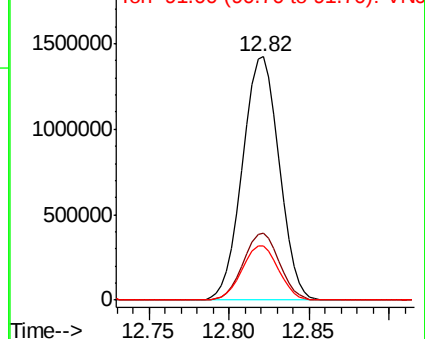
91 22.2 11.0 33.0

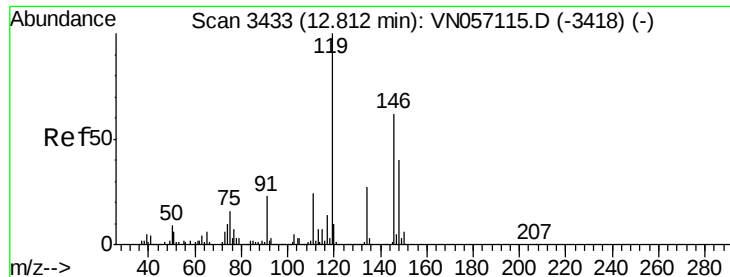


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.014 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

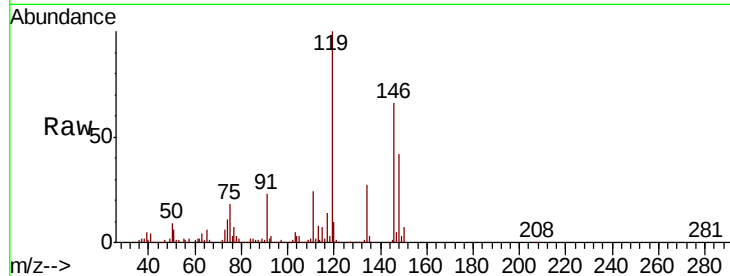
Tgt Ion:146 Resp: 1090279

Ion Ratio Lower Upper

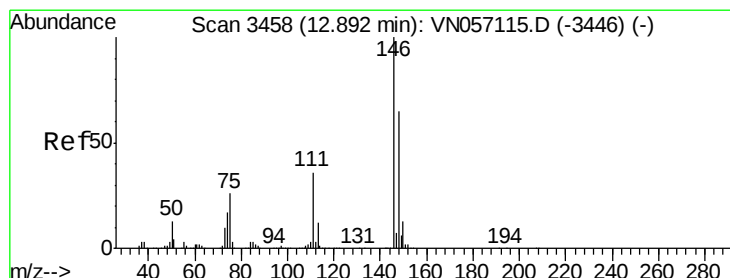
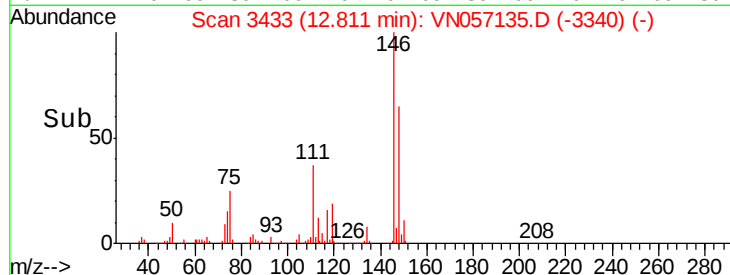
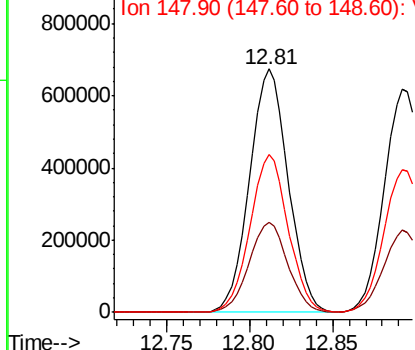
146 100

111 37.0 18.8 56.4

148 63.9 32.4 97.0



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



#88

1,4-Dichlorobenzene

Concen: 51.544 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

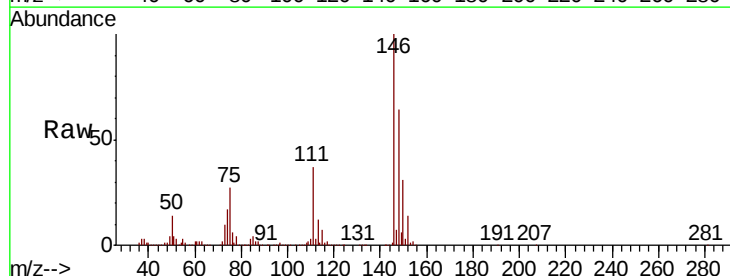
Tgt Ion:146 Resp: 1023676

Ion Ratio Lower Upper

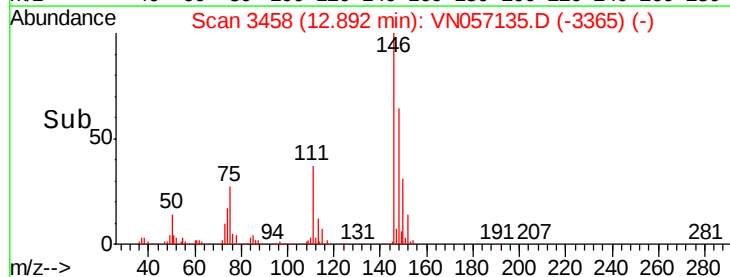
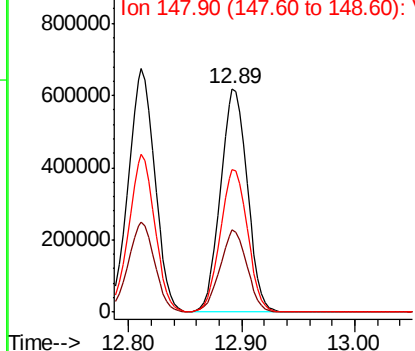
146 100

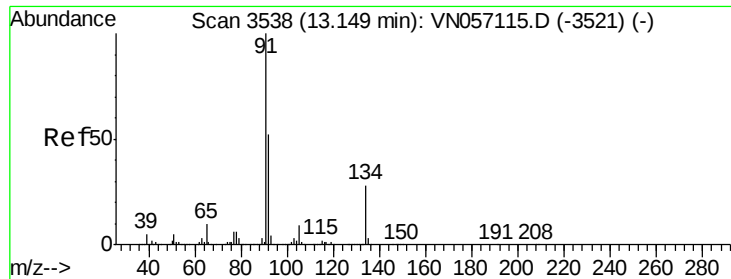
111 36.9 18.2 54.6

148 64.9 32.0 96.2



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





#89

n-Butylbenzene

Concen: 50.376 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

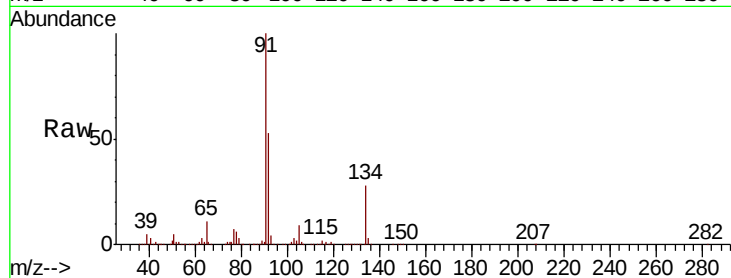
Tgt Ion: 91 Resp: 1629851

Ion Ratio Lower Upper

91 100

92 52.5 26.5 79.4

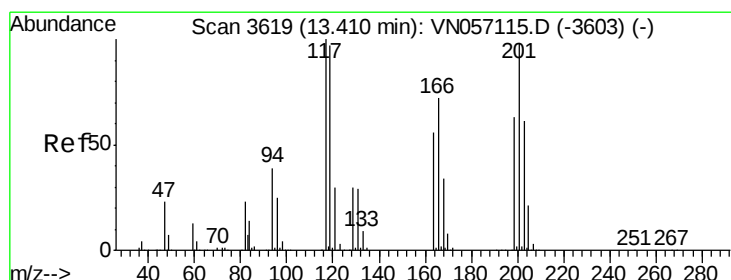
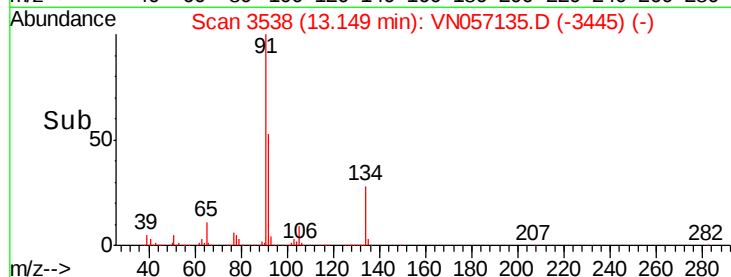
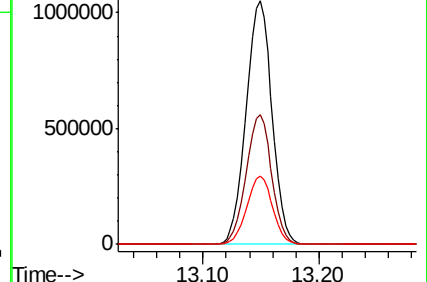
134 27.8 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3521) (-)

Ion 92.00 (91.70 to 92.70): VN057115.D (-3521) (-)

Ion 134.00 (133.70 to 134.70): VN057115.D (-3521) (-)



#90

Hexachloroethane

Concen: 52.164 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057135.D

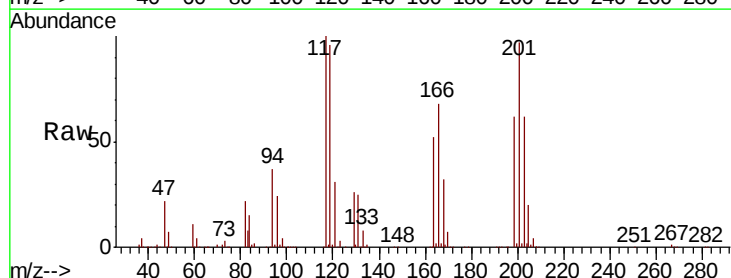
Acq: 9 Aug 2019 10:23

Tgt Ion: 117 Resp: 388001

Ion Ratio Lower Upper

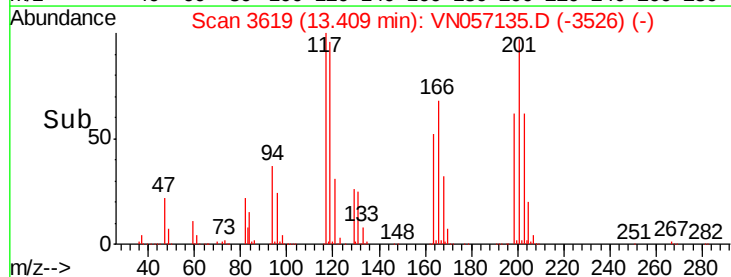
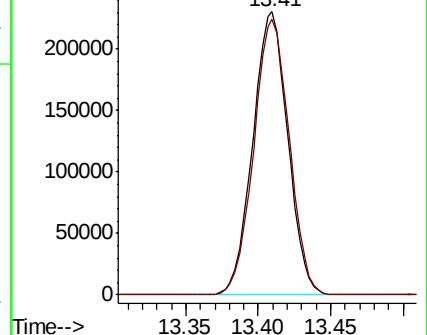
117 100

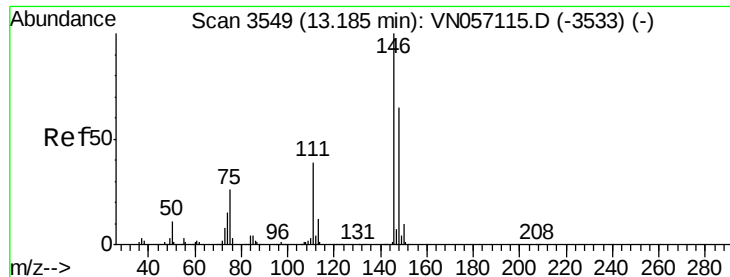
201 98.7 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057115.D (-3603) (-)

Ion 200.70 (200.40 to 201.40): VN057115.D (-3603) (-)





#91

1,2-Dichlorobenzene

Concen: 50.968 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

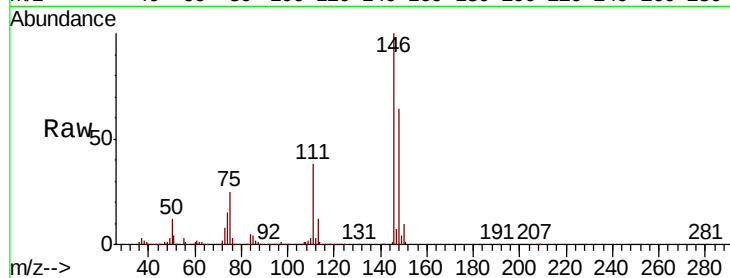
Tgt Ion:146 Resp: 1066847

Ion Ratio Lower Upper

146 100

111 38.5 19.2 57.6

148 64.1 32.4 97.0



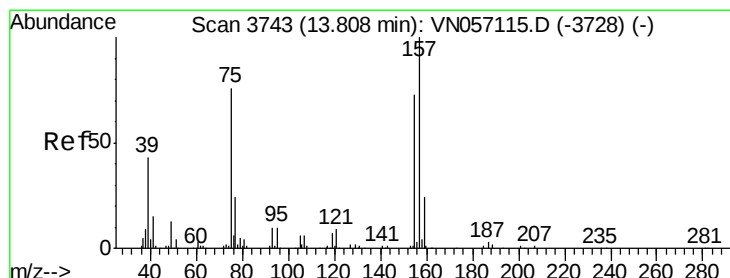
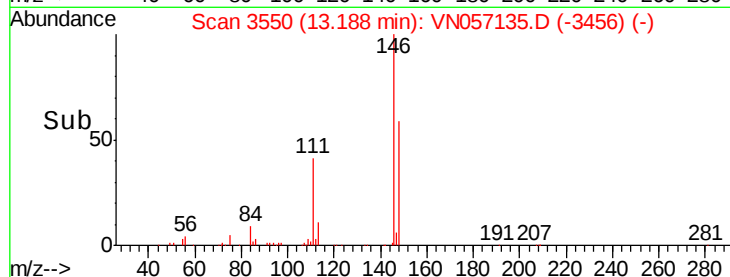
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.19

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.078 ug/l

RT: 13.81 min Scan# 3743

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

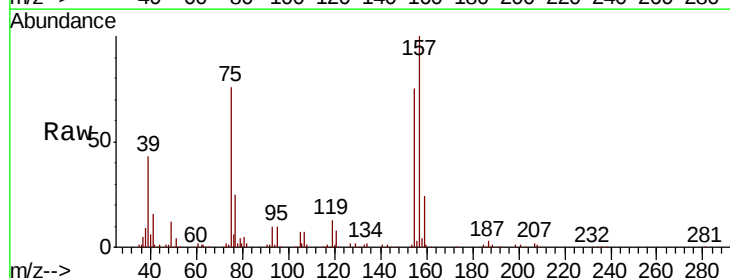
Tgt Ion: 75 Resp: 107833

Ion Ratio Lower Upper

75 100

155 96.7 49.3 147.9

157 124.7 65.3 195.8



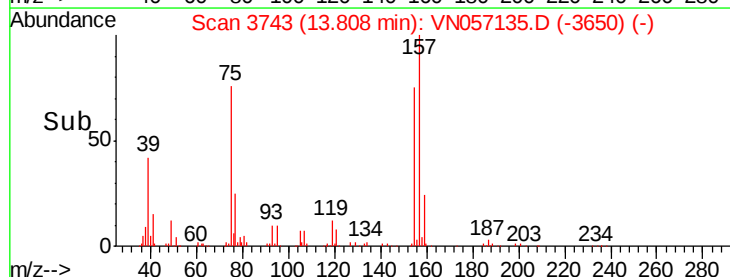
Abundance Ion 74.90 (74.60 to 75.60): V

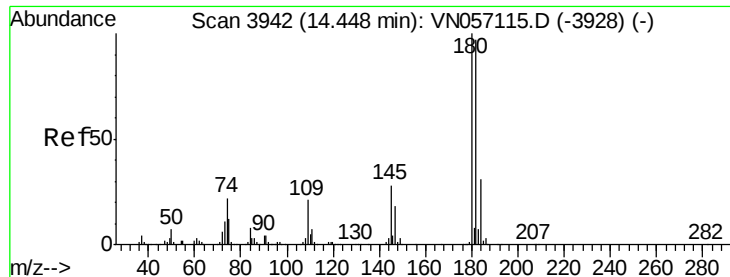
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

13.81

Time-->

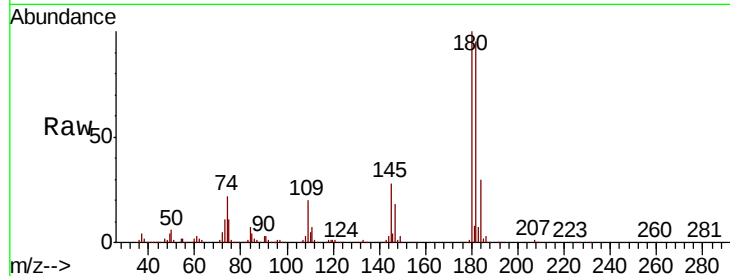




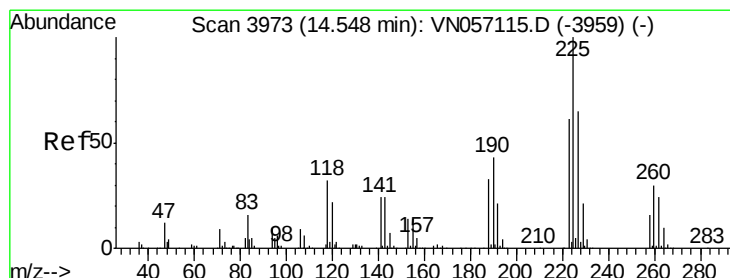
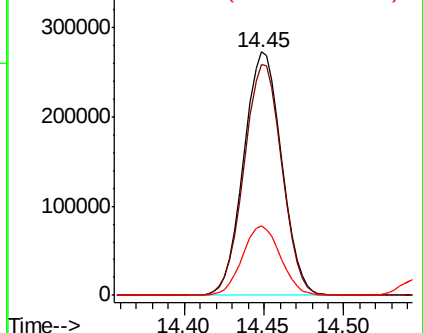
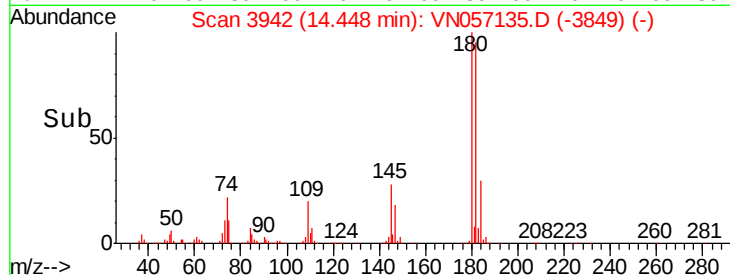
#93
 1,2,4-Trichlorobenzene
 Concen: 49.634 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	28.6	14.1	42.2

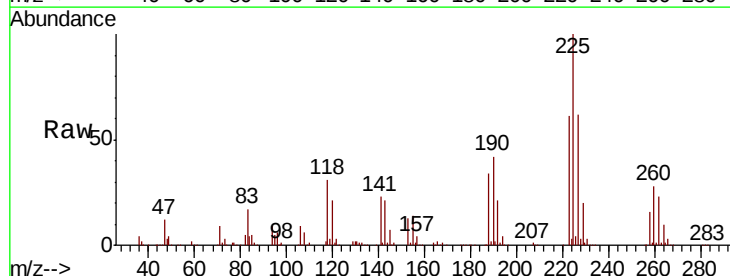


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

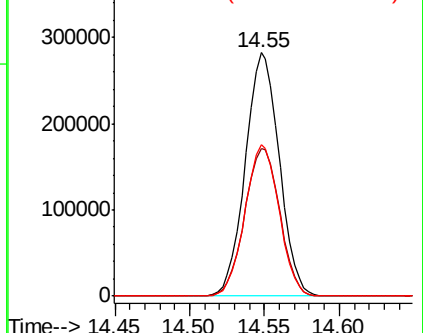
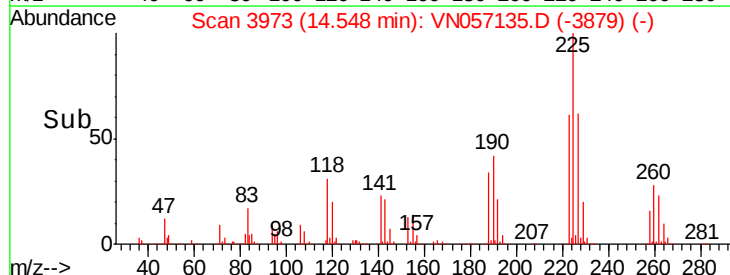


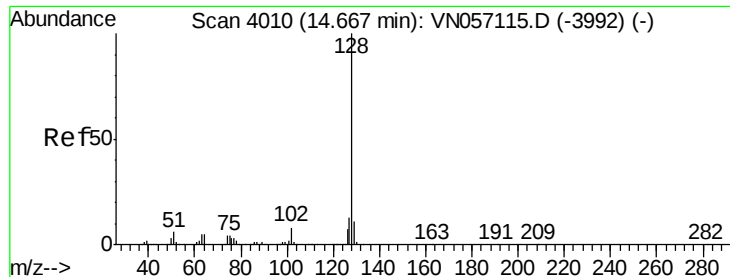
#94
 Hexachlorobutadiene
 Concen: 61.994 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057135.D
 Acq: 9 Aug 2019 10:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.9	92.8
227	62.2	32.4	97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.027 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

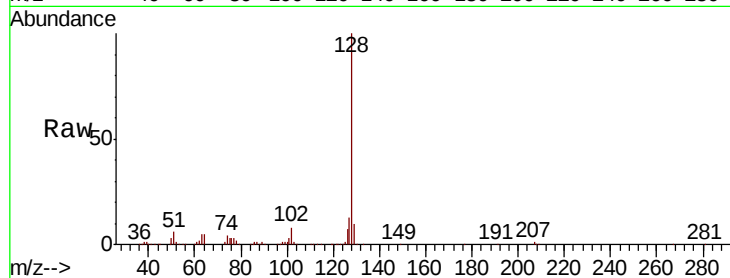
Tgt Ion:128 Resp: 867854

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

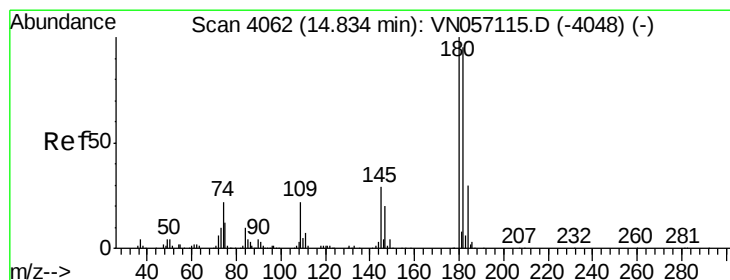
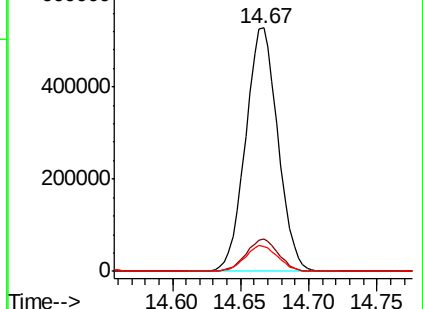
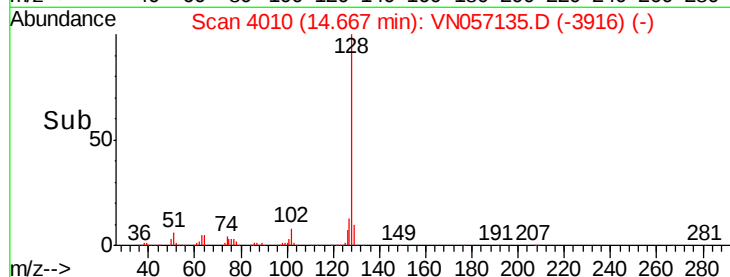
129 10.8 8.8 13.2



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: 46.919 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057135.D

Acq: 9 Aug 2019 10:23

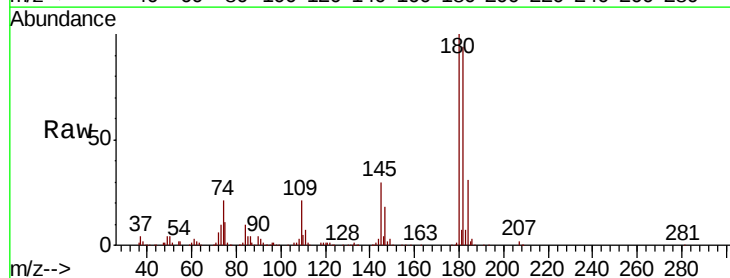
Tgt Ion:180 Resp: 427130

Ion Ratio Lower Upper

180 100

182 94.6 48.3 144.8

145 29.7 14.9 44.5



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

