

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059554.D
 Acq On : 11 Dec 2019 11:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 12 00:49:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	286446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	450156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	417079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205744	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	181009	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
35) Dibromofluoromethane	7.56	113	127987	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	10.08	98	601077	54.81	ug/l	0.00
Spiked Amount			Recovery	=	109.62%	
62) 4-Bromofluorobenzene	12.40	95	187978	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	139366	42.183	ug/l	98
3) Chloromethane	2.04	50	225887	45.166	ug/l	99
4) Vinyl Chloride	2.17	62	220121	44.653	ug/l	100
5) Bromomethane	2.55	94	130593	43.493	ug/l	99
6) Chloroethane	2.68	64	127284	43.240	ug/l	97
7) Trichlorofluoromethane	3.00	101	257585	43.711	ug/l	100
8) Diethyl Ether	3.38	74	89303	44.220	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	139898	45.617	ug/l	94
10) Methyl Iodide	3.92	142	194749	46.897	ug/l	95
11) Tert butyl alcohol	4.74	59	131641	198.759	ug/l	98
12) 1,1-Dichloroethene	3.71	96	137129	45.995	ug/l	85
13) Acrolein	3.58	56	124743	387.037	ug/l	99
14) Allyl chloride	4.29	41	221284	38.584	ug/l #	90
15) Acrylonitrile	4.95	53	419126	239.935	ug/l	97
16) Acetone	3.78	43	372546	199.204	ug/l #	88
17) Carbon Disulfide	4.03	76	434731	45.942	ug/l	100
18) Methyl Acetate	4.29	43	204613	41.672	ug/l	96
19) Methyl tert-butyl Ether	5.01	73	461022	46.519	ug/l	99
20) Methylene Chloride	4.52	84	158684	47.069	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	152263	47.584	ug/l	95
22) Diisopropyl ether	5.92	45	574034	52.577	ug/l	93
23) Vinyl Acetate	5.86	43	2325203	255.306	ug/l	98
24) 1,1-Dichloroethane	5.82	63	310866	50.149	ug/l	100
25) 2-Butanone	6.80	43	677941	269.311	ug/l	99
26) 2,2-Dichloropropane	6.79	77	279188	49.854	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	190537	52.939	ug/l	97
28) Bromochloromethane	7.17	49	120302	50.781	ug/l	100
29) Tetrahydrofuran	7.18	42	361796	206.622	ug/l	99
30) Chloroform	7.35	83	265444	43.388	ug/l	96
31) Cyclohexane	7.63	56	249236	41.316	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	234873	43.275	ug/l	100
36) 1,1-Dichloropropene	7.77	75	204304	44.237	ug/l	100
37) Ethyl Acetate	6.90	43	267825	49.738	ug/l	99
38) Carbon Tetrachloride	7.75	117	204479	44.918	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	242413	46.793	ug/l	98
40) Benzene	8.02	78	588247	44.586	ug/l	100
41) Methacrylonitrile	7.18	41	327708	146.010	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	226714	46.120	ug/l	99
43) Isopropyl Acetate	8.14	43	362213	45.433	ug/l	100
44) Trichloroethene	8.82	130	151344	45.406	ug/l	99
45) 1,2-Dichloropropane	9.10	63	159063	45.510	ug/l	100
46) Dibromomethane	9.19	93	103598	44.851	ug/l	98
47) Bromodichloromethane	9.39	83	211957	46.172	ug/l	99
48) Methyl methacrylate	9.18	41	160836	46.139	ug/l	98
49) 1,4-Dioxane	9.18	88	39445	884.410	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1312854	259.205	ug/l	98
52) Toluene	10.14	92	438438	55.773	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	248254	46.414	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	260561	47.598	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	143364	45.092	ug/l	98
56) Ethyl methacrylate	10.42	69	219277	40.461	ug/l	100
57) 1,3-Dichloropropane	10.70	76	249510	45.951	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	369931	284.026	ug/l	99
59) 2-Hexanone	10.74	43	860787	222.723	ug/l	100
60) Dibromochloromethane	10.89	129	158482	41.939	ug/l	100
61) 1,2-Dibromoethane	11.00	107	149411	45.142	ug/l	99
64) Tetrachloroethene	10.62	164	140722	46.165	ug/l	99
65) Chlorobenzene	11.43	112	383555	43.889	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	143492	44.024	ug/l	99
67) Ethyl Benzene	11.51	91	707059	44.961	ug/l	100
68) m/p-Xylenes	11.62	106	527652	89.443	ug/l	96
69) o-Xylene	11.94	106	249440	45.428	ug/l	96
70) Styrene	11.96	104	409190	44.982	ug/l	98
71) Bromoform	12.12	173	112412	43.832	ug/l #	99
73) Isopropylbenzene	12.25	105	681967	44.189	ug/l	100
74) N-amyl acetate	12.07	43	311363	46.316	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	216243	41.351	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	307225	58.392	ug/l #	100
77) Bromobenzene	12.52	156	160706	41.827	ug/l	95
78) n-propylbenzene	12.59	91	829213	43.724	ug/l	99
79) 2-Chlorotoluene	12.67	91	477292	42.207	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	583178	44.066	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	83353	42.624	ug/l	89
82) 4-Chlorotoluene	12.77	91	504855	43.661	ug/l	98
83) tert-Butylbenzene	12.99	119	488255	44.242	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	591612	45.273	ug/l	98
85) sec-Butylbenzene	13.17	105	680606	44.899	ug/l	99
86) p-Isopropyltoluene	13.29	119	620555	45.803	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	301063	42.542	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	296694	42.817	ug/l	99
89) n-Butylbenzene	13.61	91	590629	46.428	ug/l	98
90) Hexachloroethane	13.87	117	115812	46.546	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	287562	43.300	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49300	41.482	ug/l	93

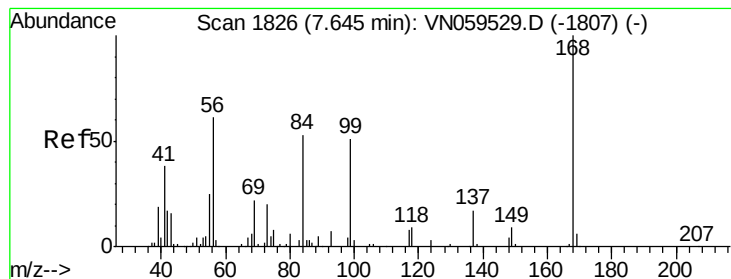
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186347	40.569	ug/l	99
94) Hexachlorobutadiene	15.01	225	100560	42.852	ug/l	99
95) Naphthalene	15.12	128	523653	39.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	177607	40.193	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

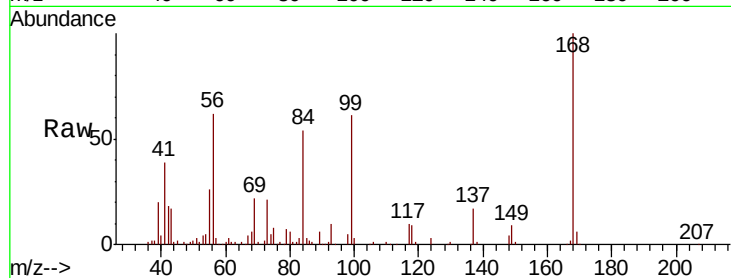
VSTDCCC050

Tot Ion:168 Resp: 286446

Ion Ratio Lower Upper

168 100

99 60.3 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

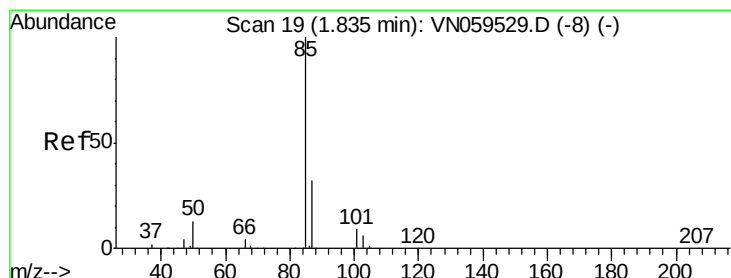
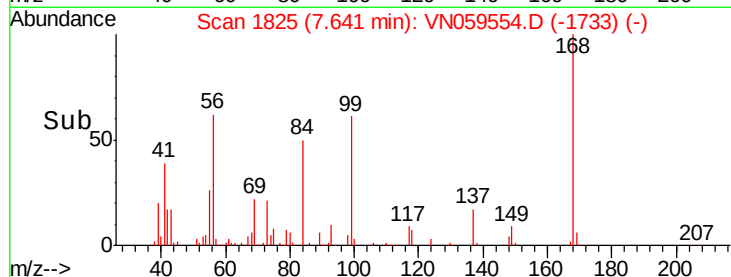
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.183 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059554.D

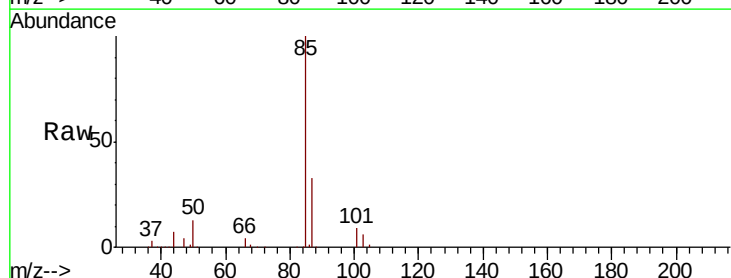
Acq: 11 Dec 2019 11:22

Tgt Ion: 85 Resp: 139366

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

60000

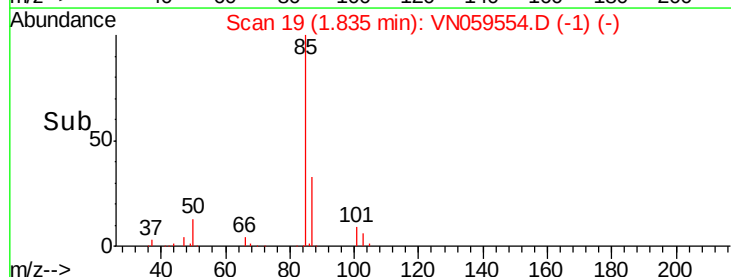
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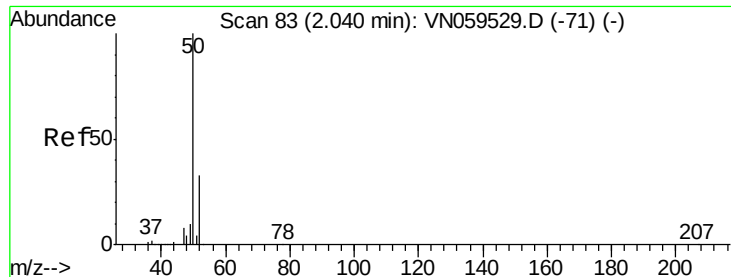
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.166 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

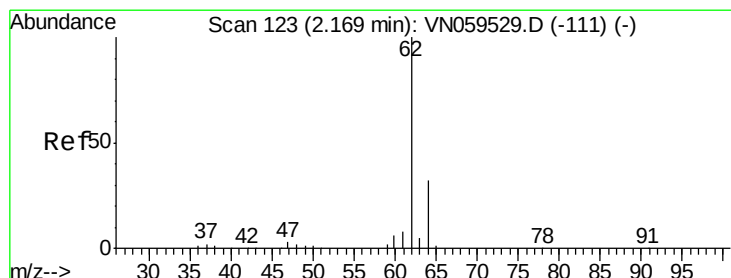
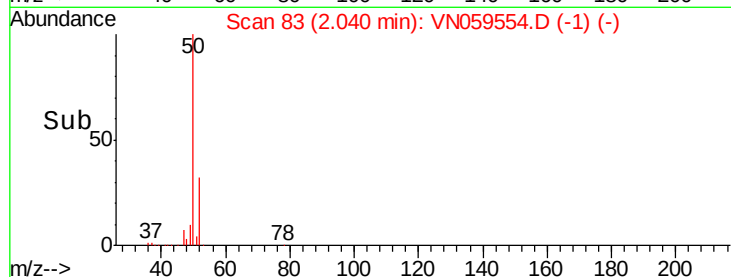
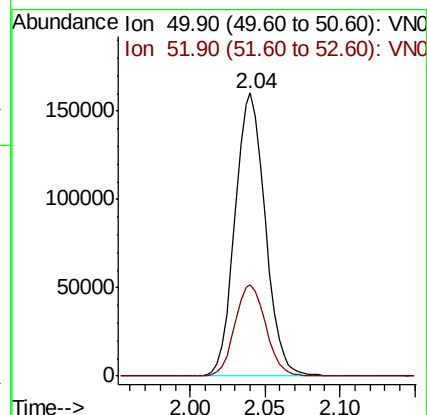
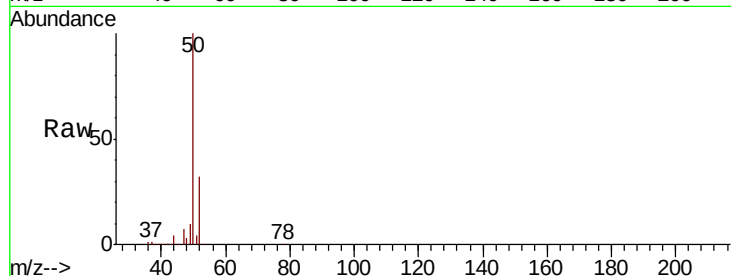
VSTDCCC050

Tot Ion: 50 Resp: 225887

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.4



#4

Vinyl Chloride

Concen: 44.653 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059554.D

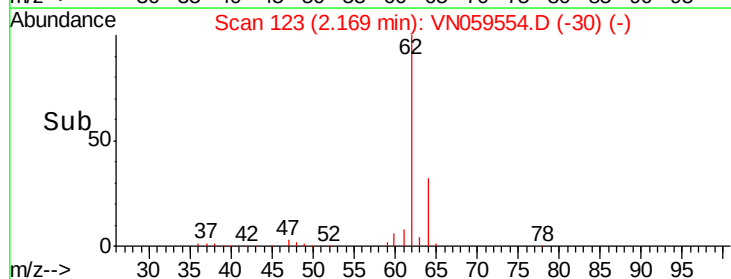
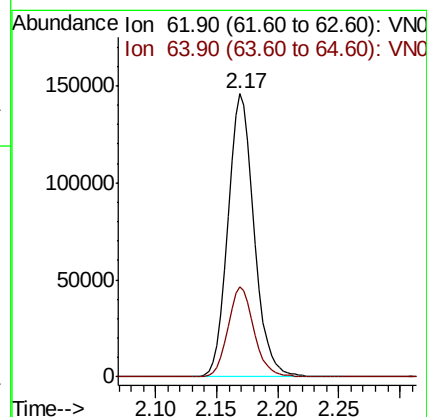
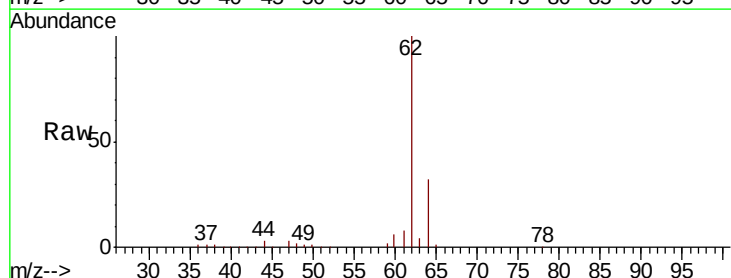
Acq: 11 Dec 2019 11:22

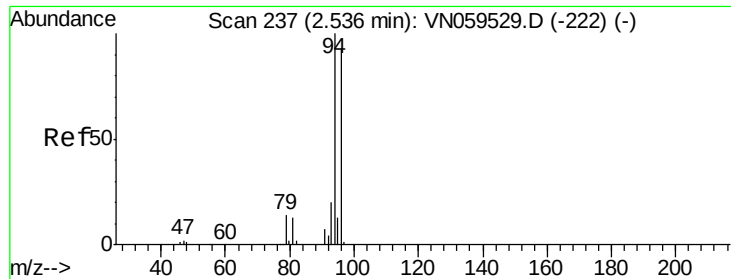
Tgt Ion: 62 Resp: 220121

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 43.493 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

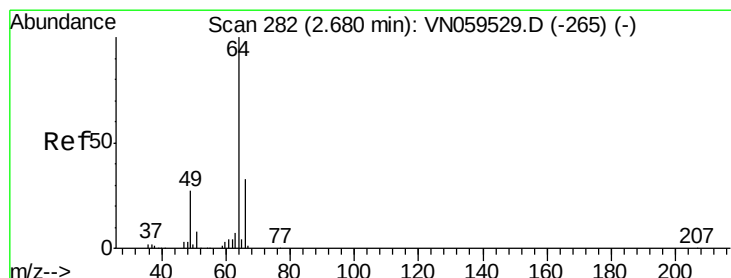
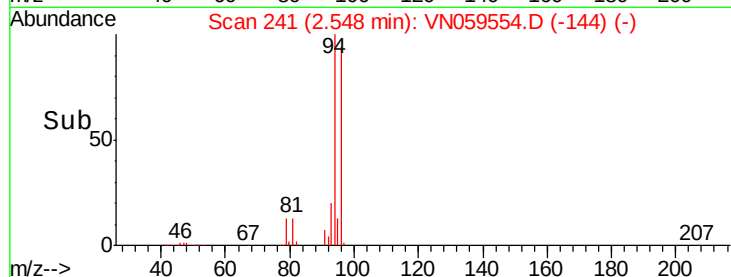
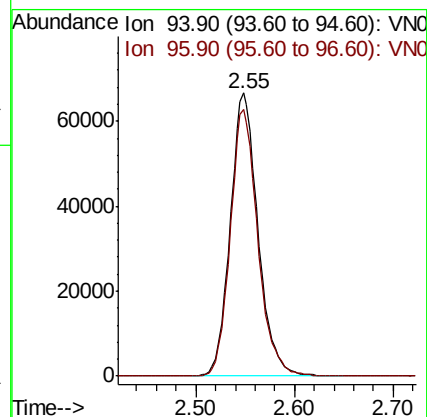
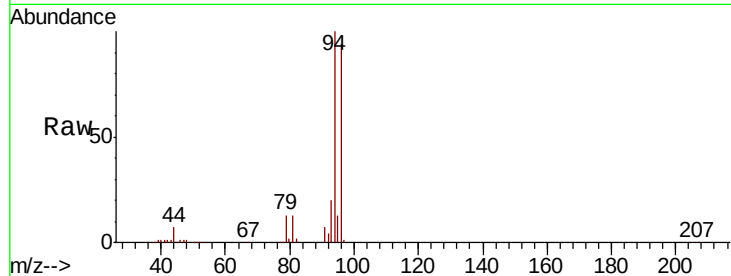
VSTDCCC050

Tot Ion: 94 Resp: 130593

Ion Ratio Lower Upper

94 100

96 94.2 74.6 112.0



#6

Chloroethane

Concen: 43.240 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059554.D

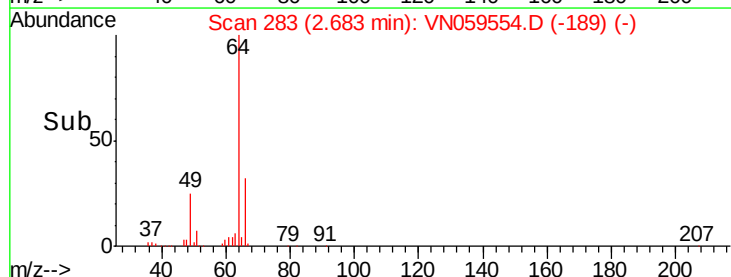
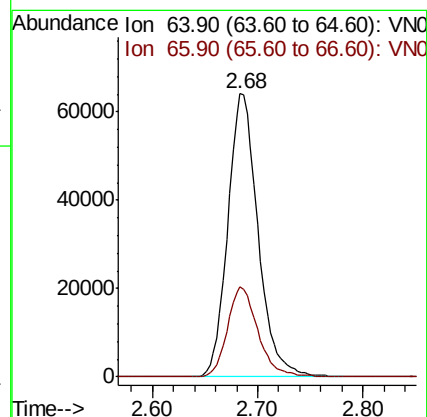
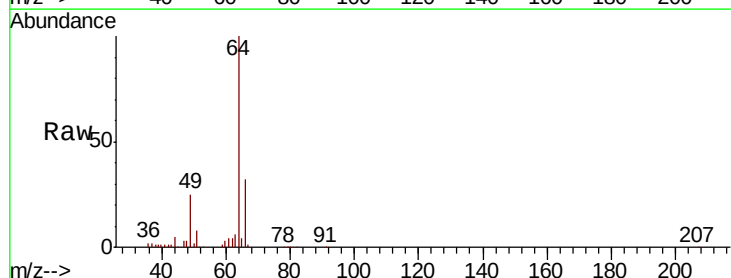
Acq: 11 Dec 2019 11:22

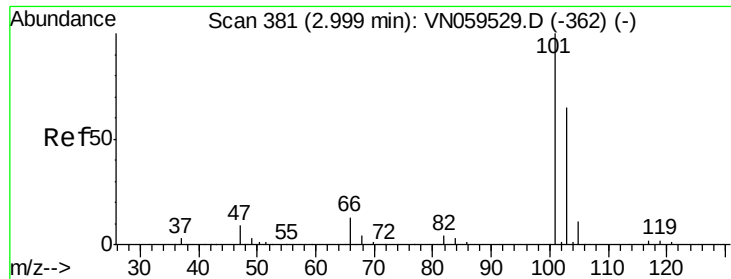
Tgt Ion: 64 Resp: 127284

Ion Ratio Lower Upper

64 100

66 31.7 26.7 40.1



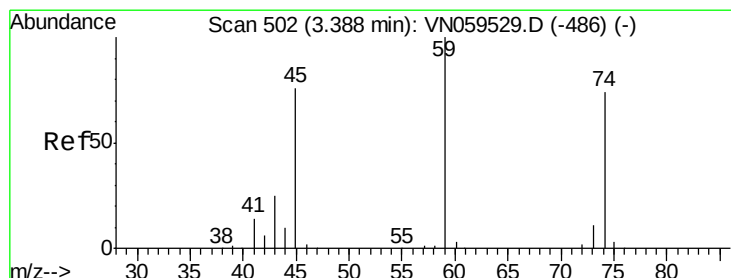
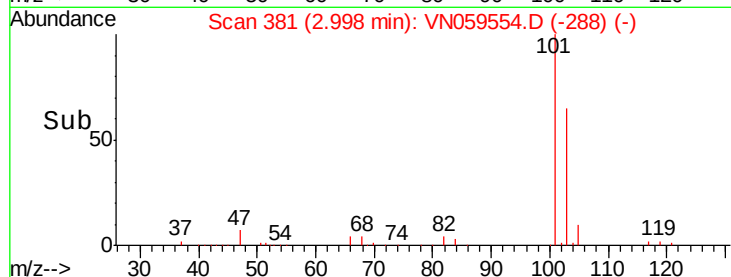
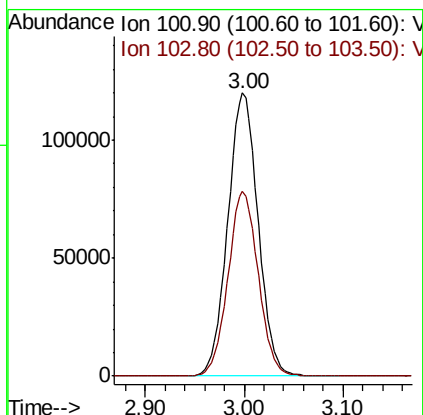
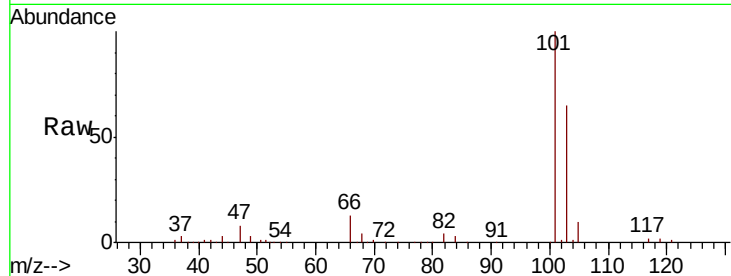


#7

Trichlorofluoromethane
Concen: 43.711 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN059554.D
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Instrument :
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VSTDCCC050

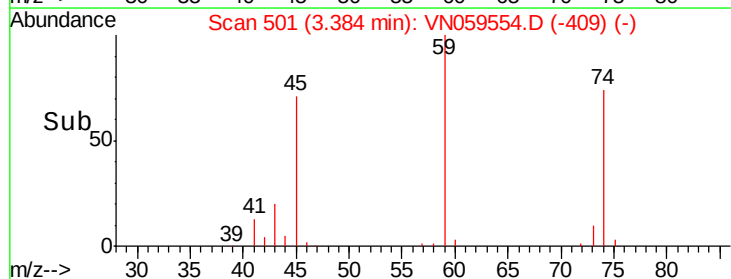
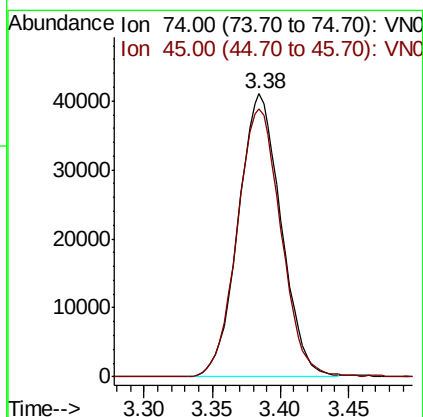
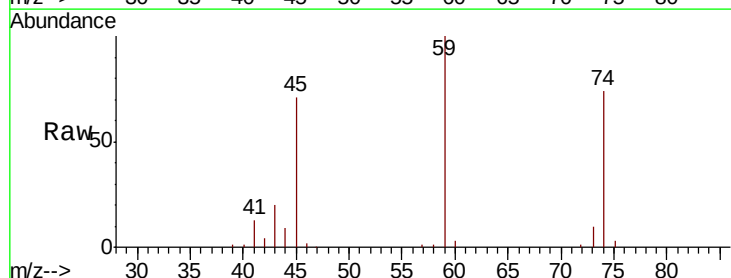
Tot Ion:101 Resp: 257585
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.4

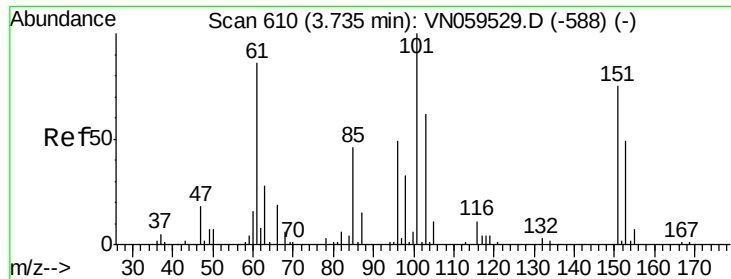


#8

Diethyl Ether
Concen: 44.220 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 74 Resp: 89303
Ion Ratio Lower Upper
74 100
45 96.9 52.6 157.9

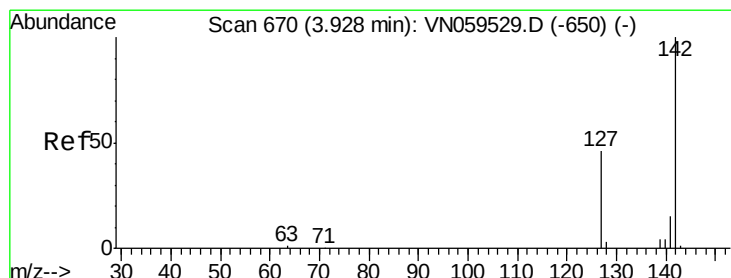
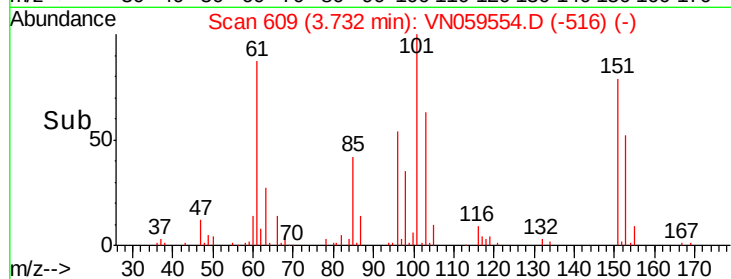
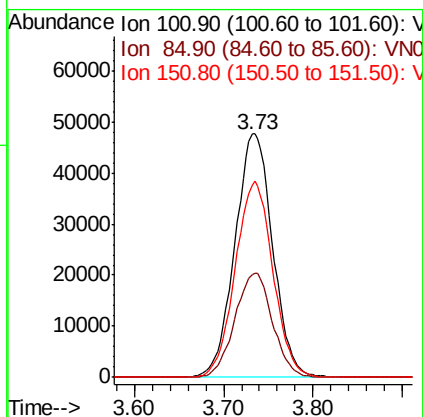
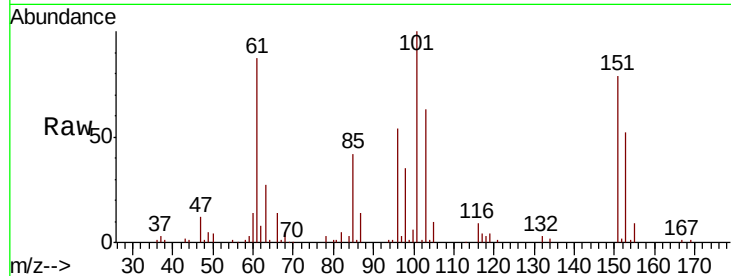




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.617 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

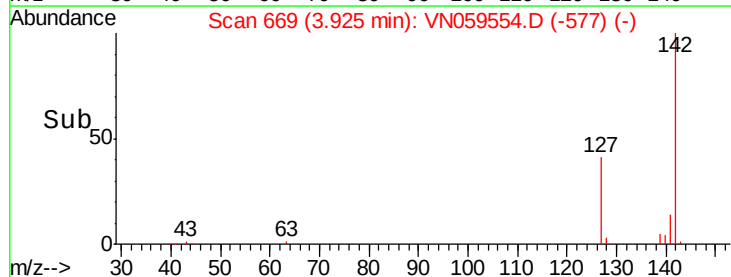
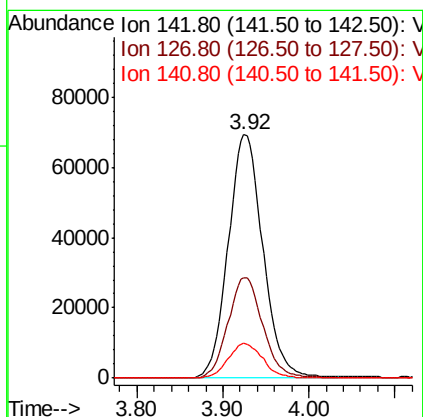
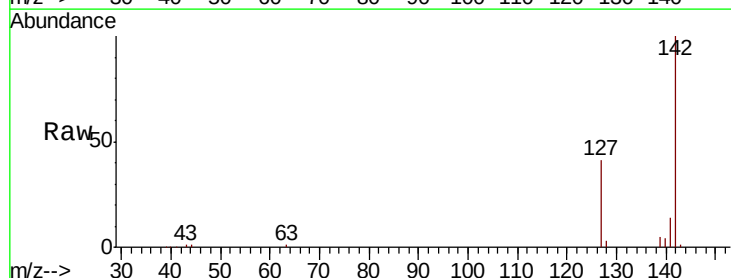
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

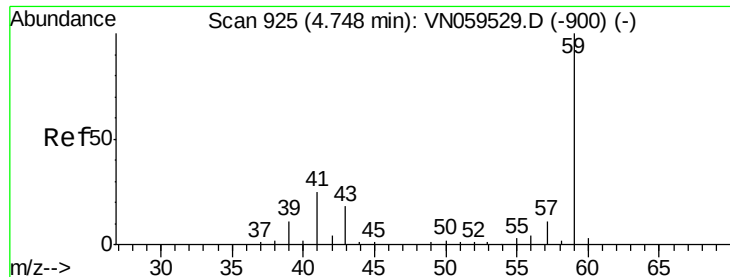
Tot Ion:101 Resp: 139898
 Ion Ratio Lower Upper
 101 100
 85 42.6 36.6 54.8
 151 80.3 59.3 88.9



#10
 Methyl Iodide
 Concen: 46.897 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion:142 Resp: 194749
 Ion Ratio Lower Upper
 142 100
 127 41.3 36.6 54.8
 141 14.1 11.6 17.4

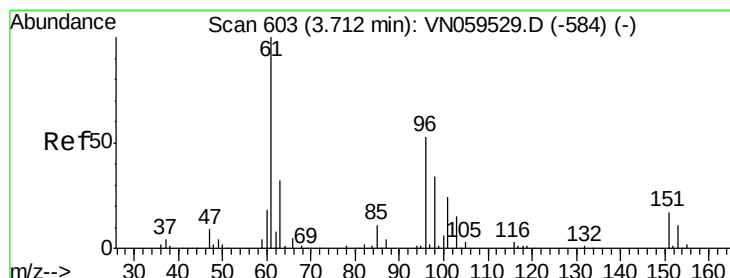
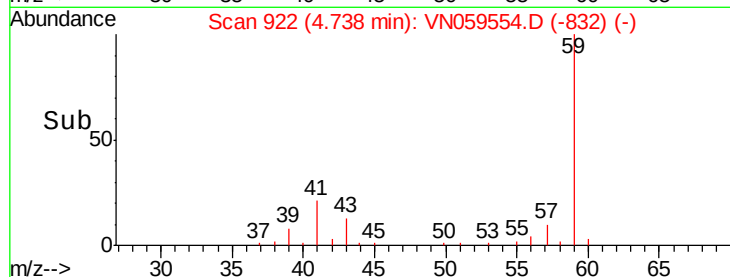
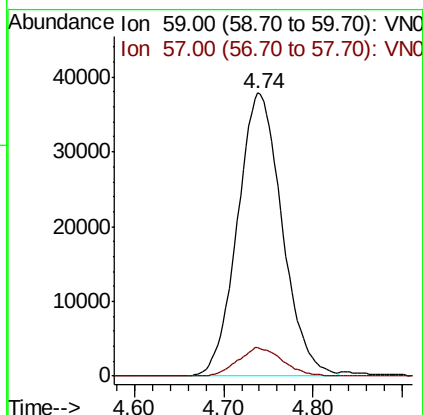
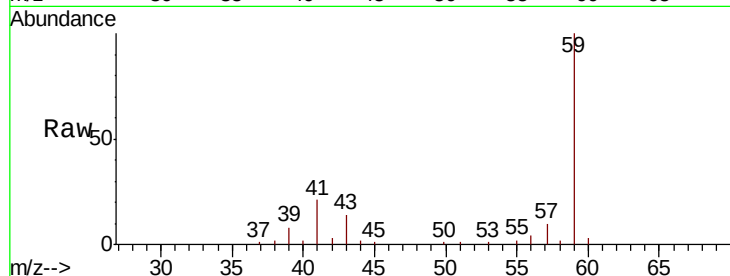




#11
Tert butyl alcohol
Concen: 198.759 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

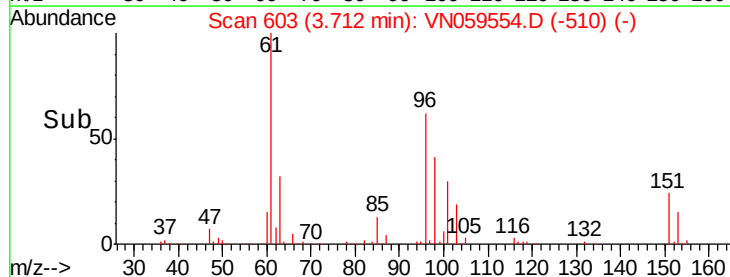
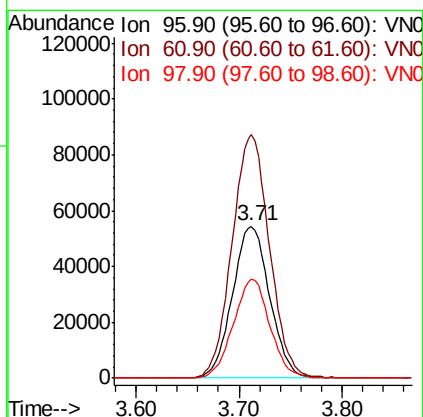
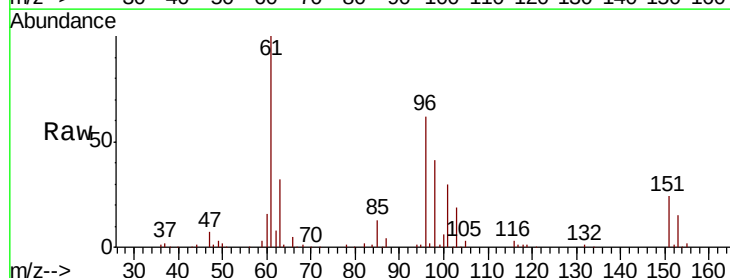
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

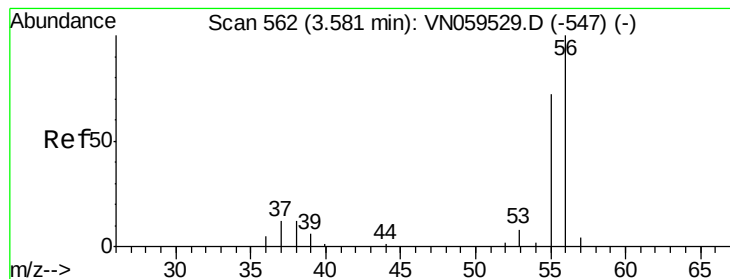
Tot Ion: 59 Resp: 131641
Ion Ratio Lower Upper
59 100
57 10.0 8.6 13.0



#12
1,1-Dichloroethene
Concen: 45.995 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 96 Resp: 137129
Ion Ratio Lower Upper
96 100
61 160.1 149.8 224.6
98 65.4 50.6 75.8





#13

Acrolein

Concen: 387.037 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

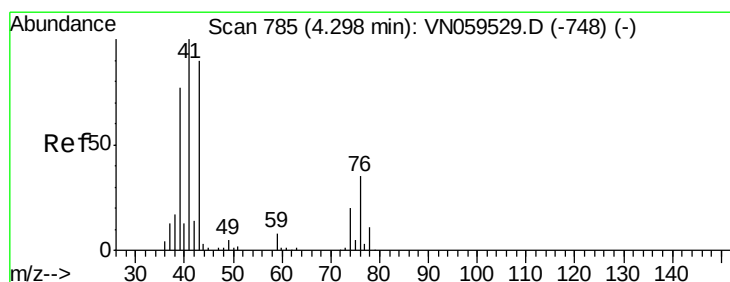
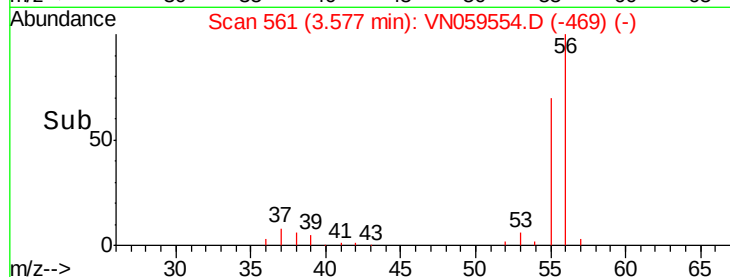
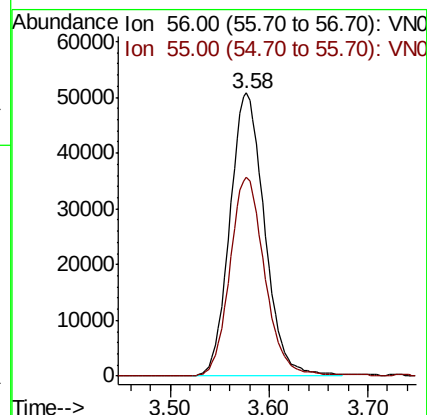
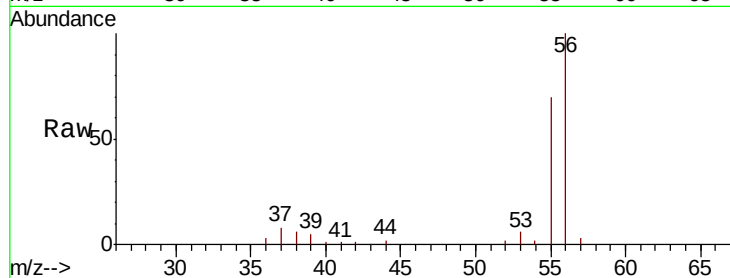
VSTDCCC050

Tot Ion: 56 Resp: 124743

Ion Ratio Lower Upper

56 100

55 70.4 56.9 85.3



#14

Allyl chloride

Concen: 38.584 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

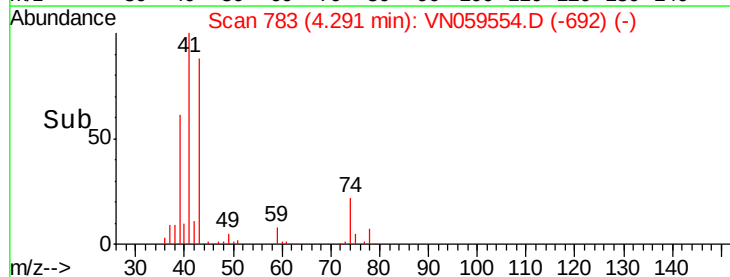
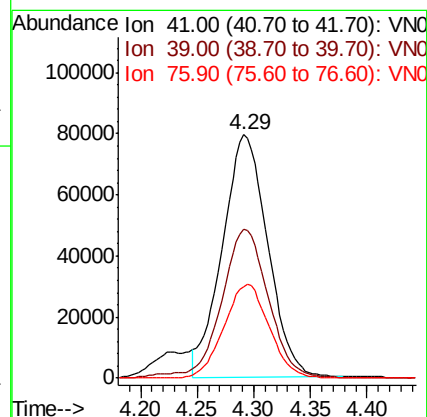
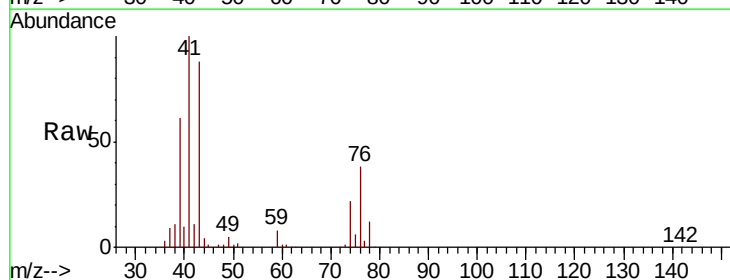
Tgt Ion: 41 Resp: 221284

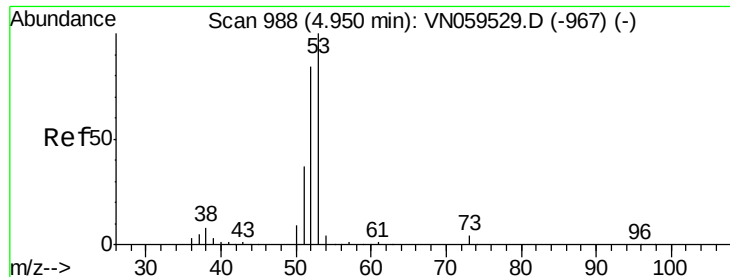
Ion Ratio Lower Upper

41 100

39 64.0 56.7 85.1

76 38.7 25.5 38.3#

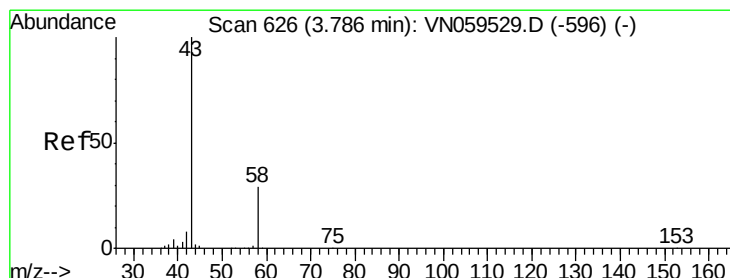
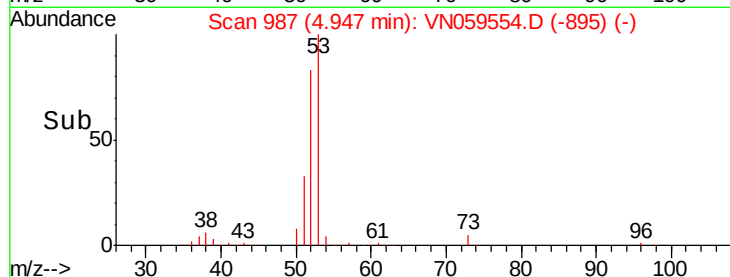
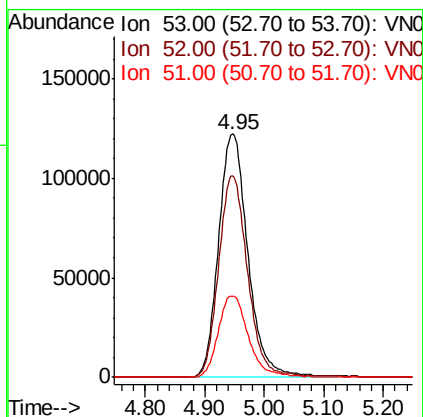
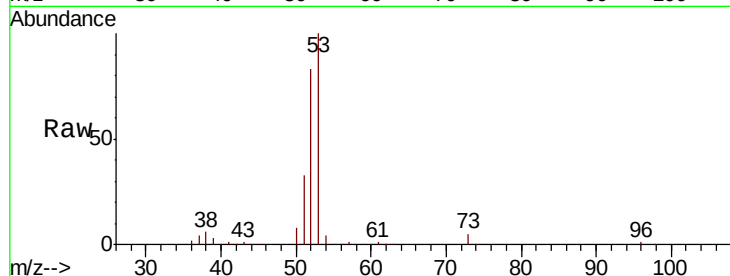




#15
 Acrylonitrile
 Concen: 239.935 ug/l
 RT: 4.95 min Scan# 987
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

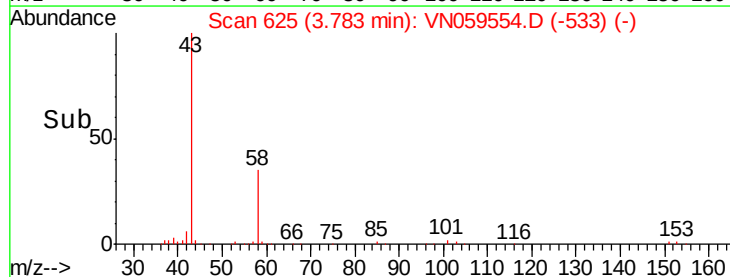
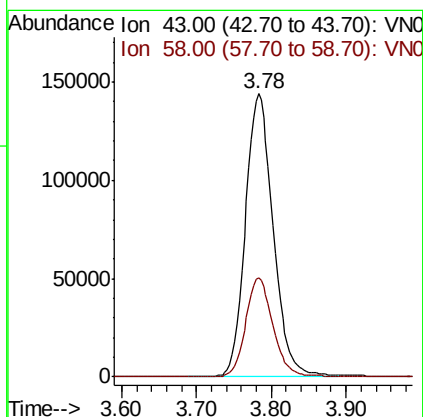
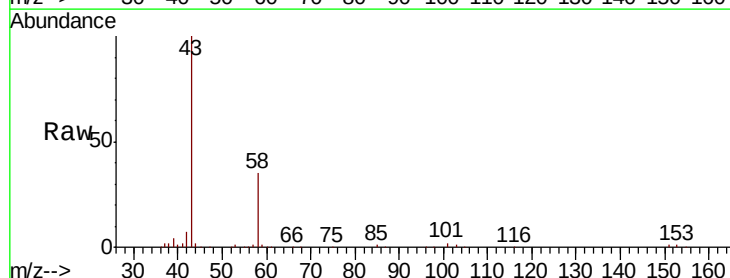
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

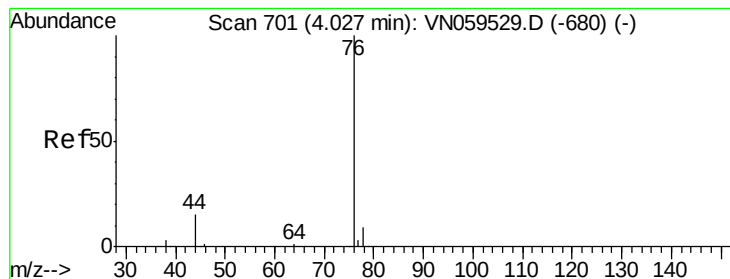
Tot Ion: 53 Resp: 419126
 Ion Ratio Lower Upper
 53 100
 52 81.3 66.6 99.8
 51 34.5 29.8 44.8



#16
 Acetone
 Concen: 199.204 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion: 43 Resp: 372546
 Ion Ratio Lower Upper
 43 100
 58 34.9 23.0 34.4#





#17

Carbon Disulfide

Concen: 45.942 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

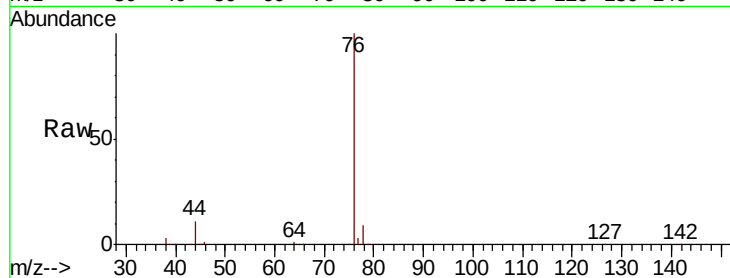
VSTDCCC050

Tot Ion: 76 Resp: 434731

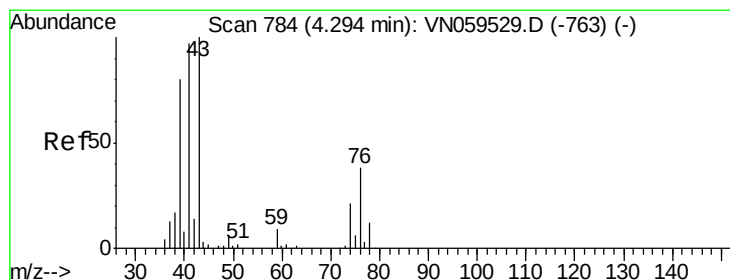
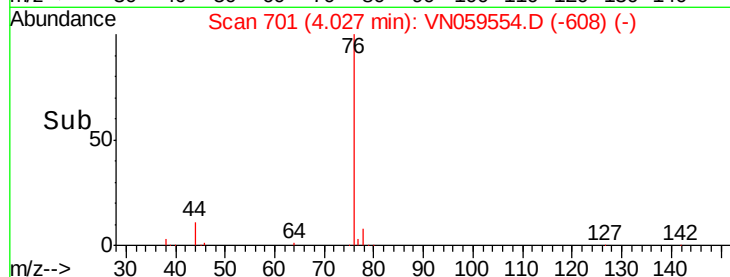
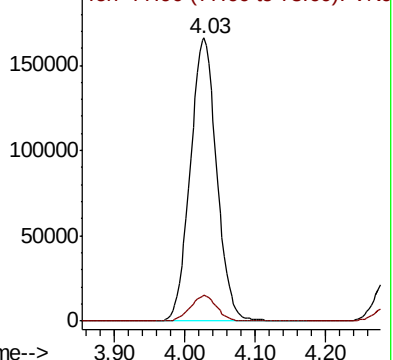
Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 41.672 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.01 min

Lab File: VN059554.D

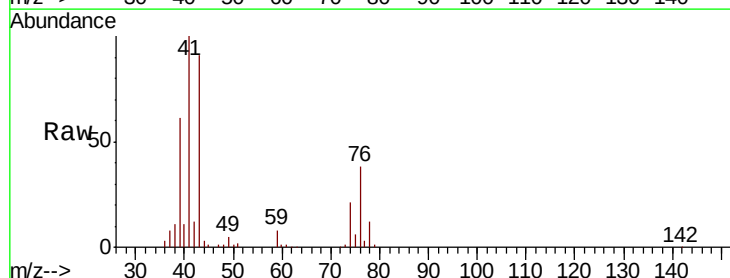
Acq: 11 Dec 2019 11:22

Tgt Ion: 43 Resp: 204613

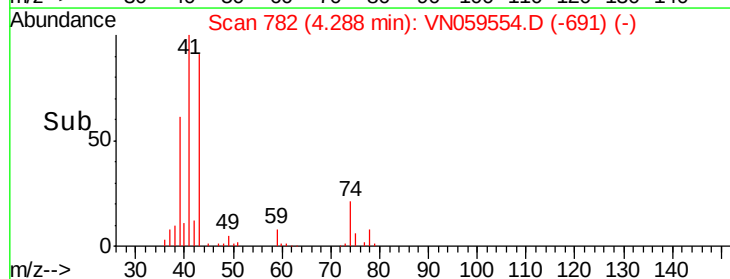
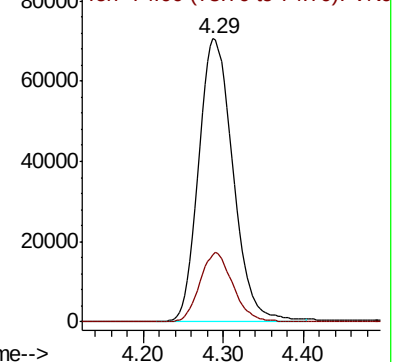
Ion Ratio Lower Upper

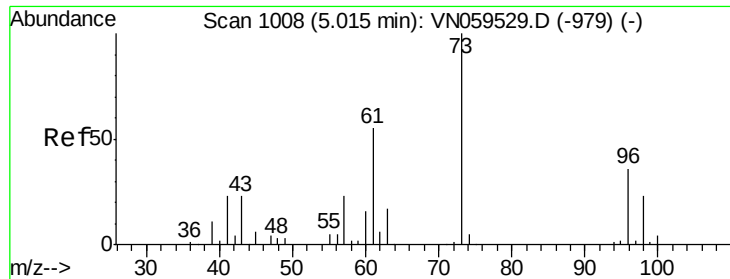
43 100

74 23.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

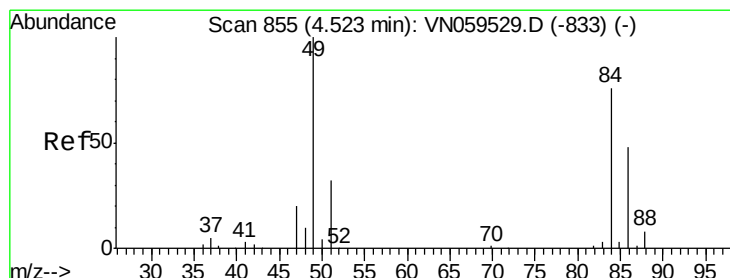
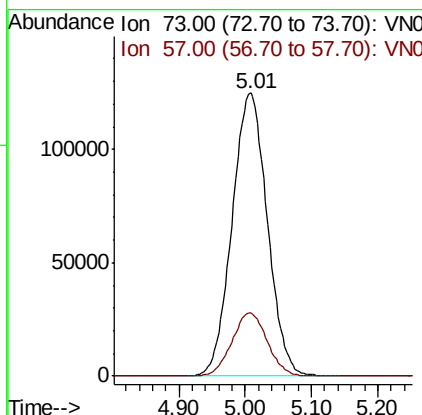
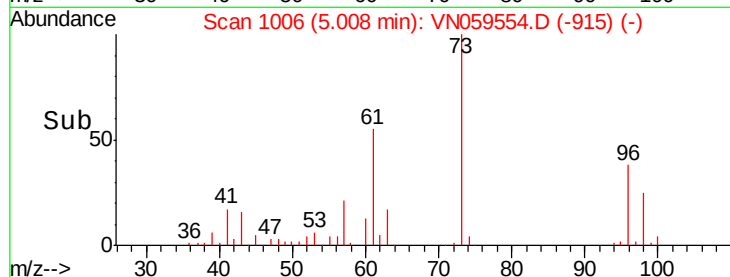
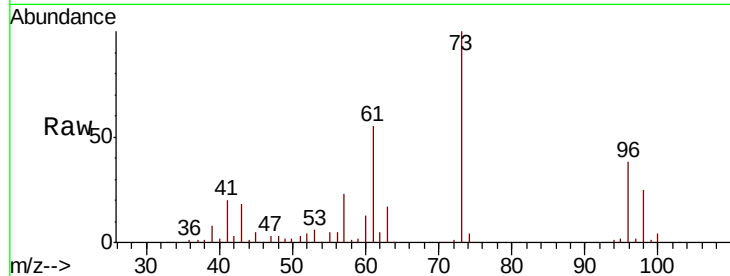




#19
Methyl tert-butyl Ether
Concen: 46.519 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

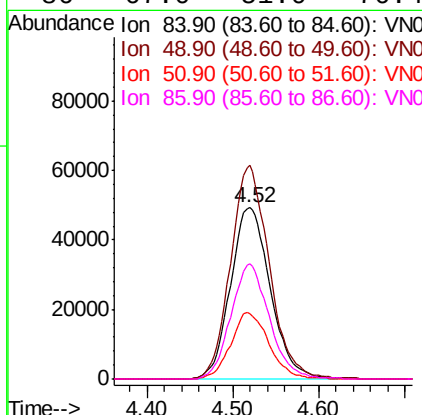
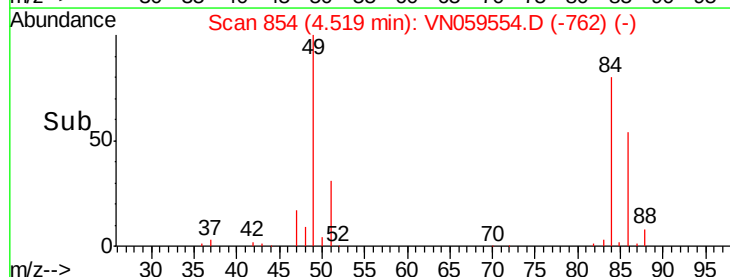
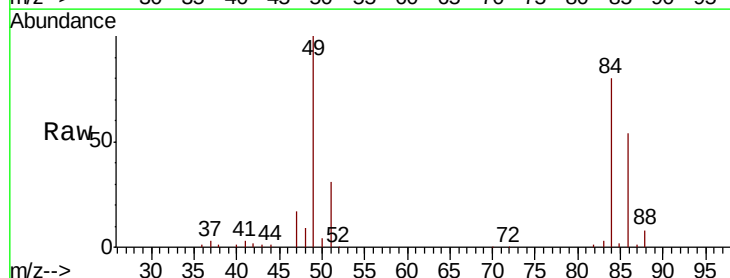
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

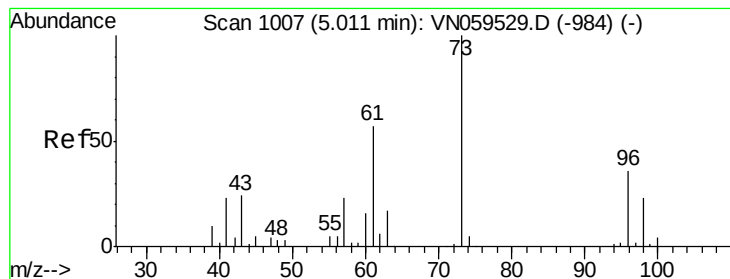
Tot Ion: 73 Resp: 461022
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 47.069 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 84 Resp: 158684
Ion Ratio Lower Upper
84 100
49 124.8 105.8 158.8
51 38.5 33.7 50.5
86 67.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 47.584 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

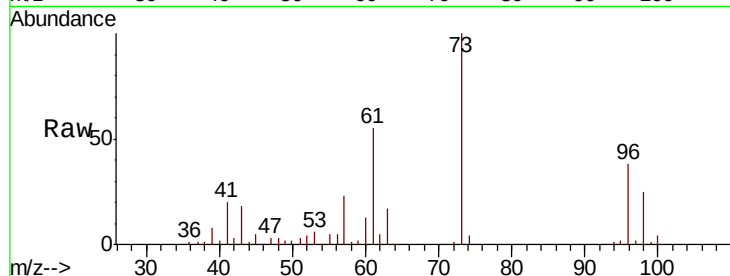
Tot Ion: 96 Resp: 152263

Ion Ratio Lower Upper

96 100

61 147.0 124.8 187.2

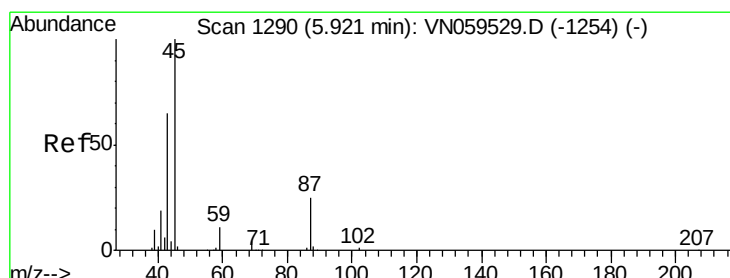
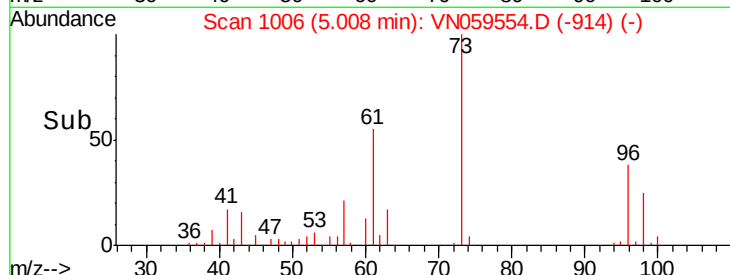
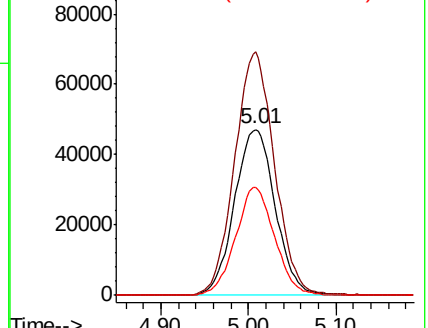
98 65.0 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN059554.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059554.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059554.D (-914) (-)



#22

Diisopropyl ether

Concen: 52.577 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Tgt Ion: 45 Resp: 574034

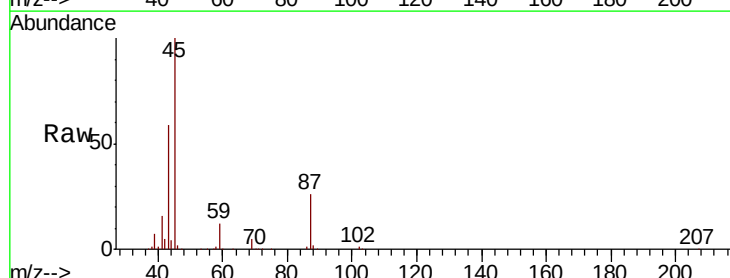
Ion Ratio Lower Upper

45 100

43 57.9 52.8 79.2

87 26.2 20.2 30.4

59 11.7 9.1 13.7

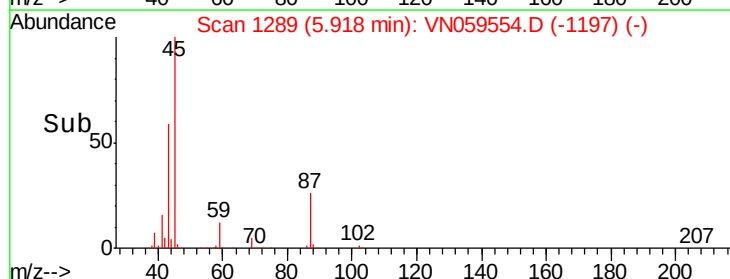
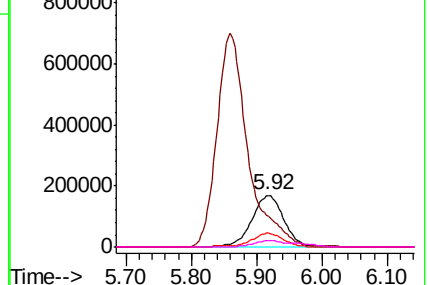


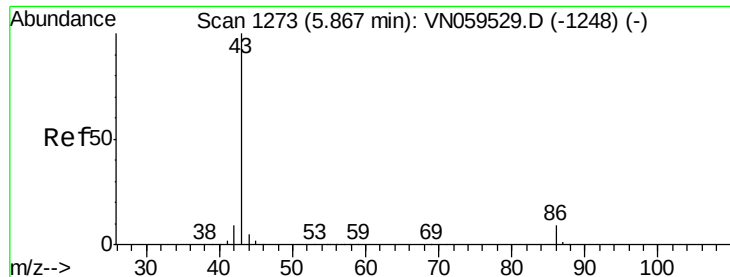
Abundance Ion 45.00 (44.70 to 45.70): VN059554.D (-1197) (-)

Ion 43.00 (42.70 to 43.70): VN059554.D (-1197) (-)

Ion 87.00 (86.70 to 87.70): VN059554.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059554.D (-1197) (-)

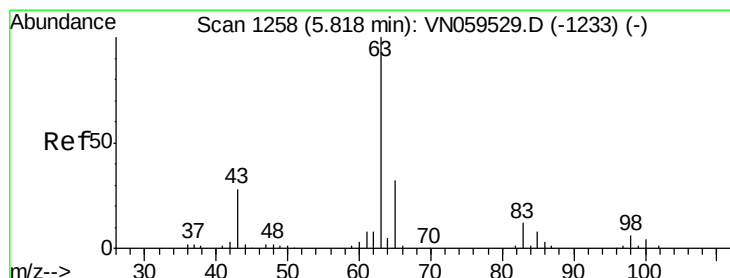
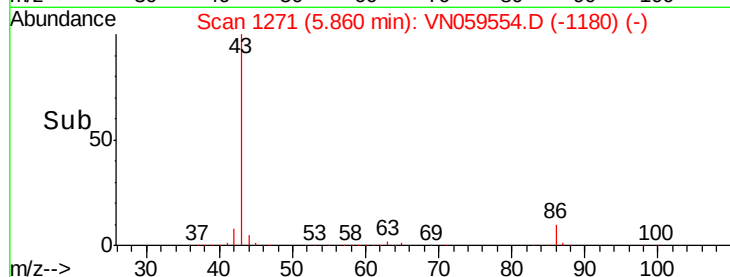
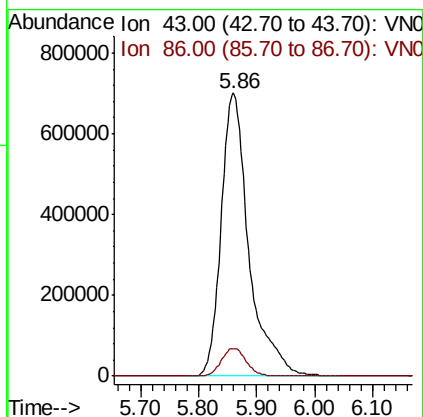
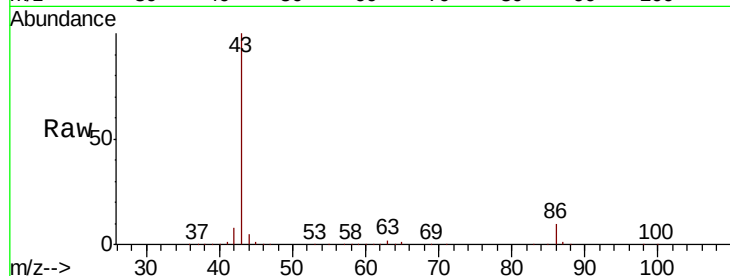




#23
 Vinyl Acetate
 Concen: 255.306 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

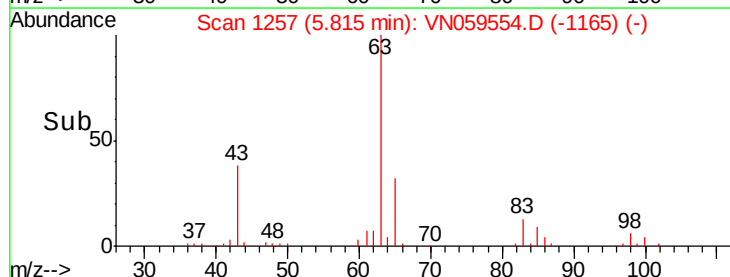
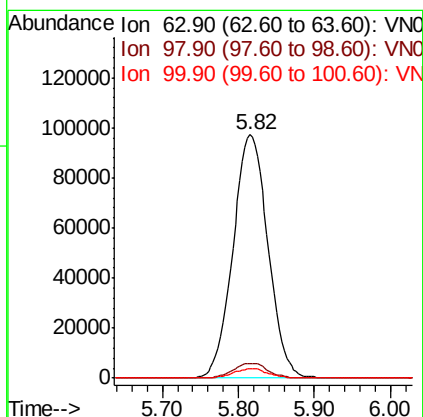
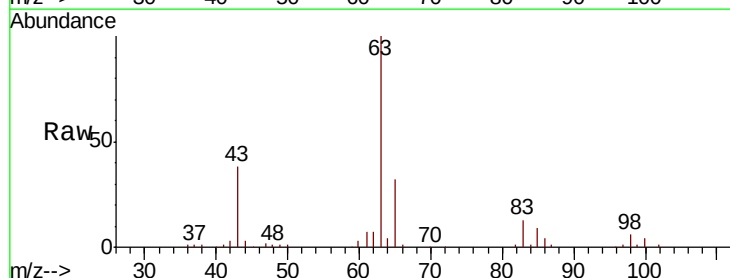
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

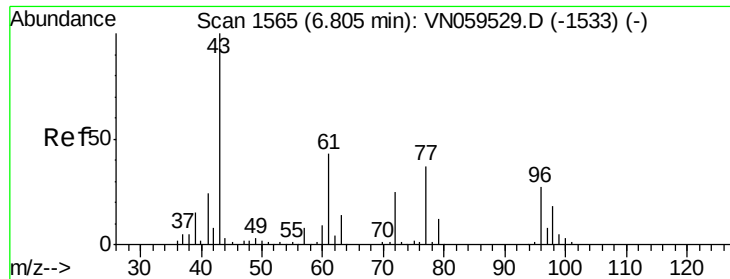
Tot Ion: 43 Resp: 2325203
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 50.149 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion: 63 Resp: 310866
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 269.311 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

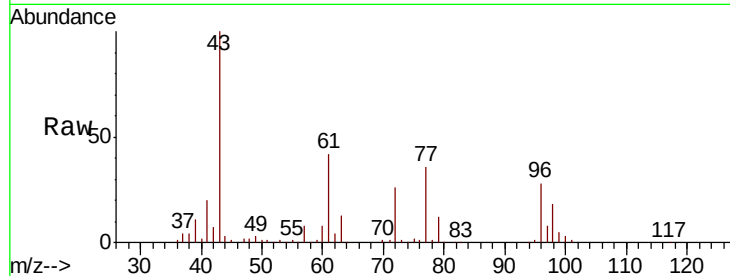
VSTDCCC050

Tot Ion: 43 Resp: 677941

Ion Ratio Lower Upper

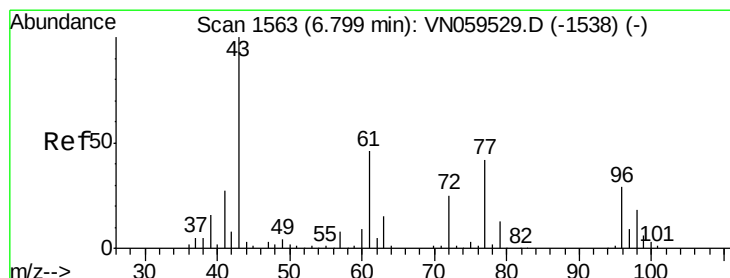
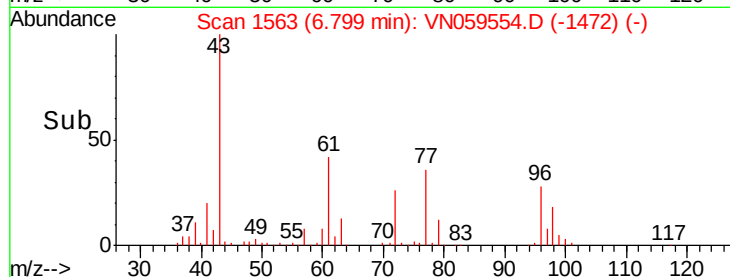
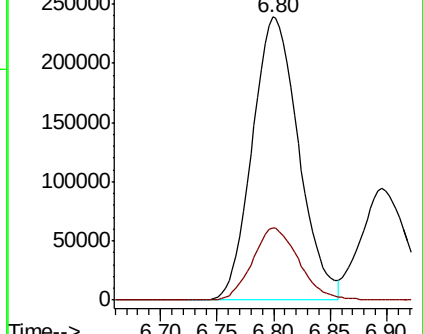
43 100

72 25.6 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.854 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059554.D

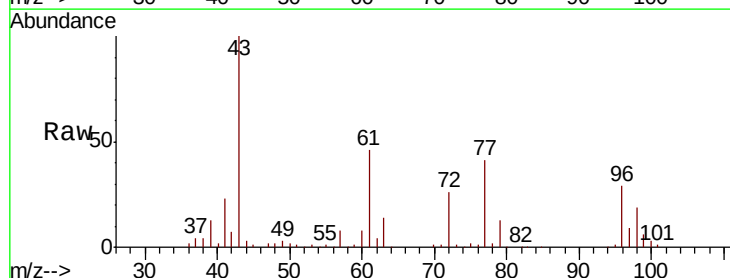
Acq: 11 Dec 2019 11:22

Tgt Ion: 77 Resp: 279188

Ion Ratio Lower Upper

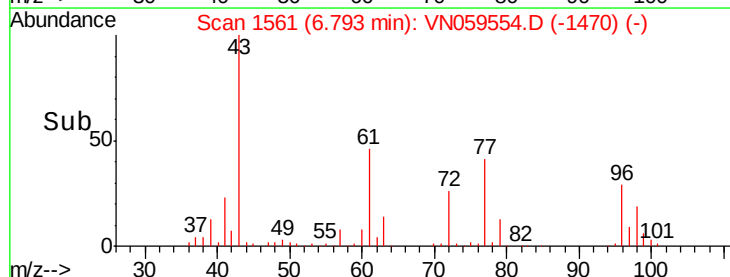
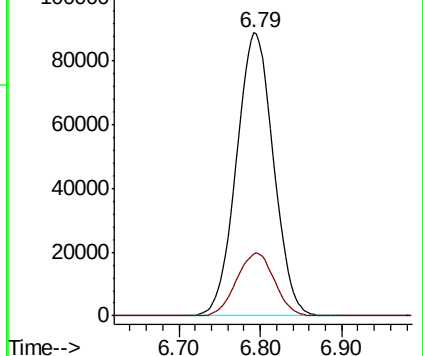
77 100

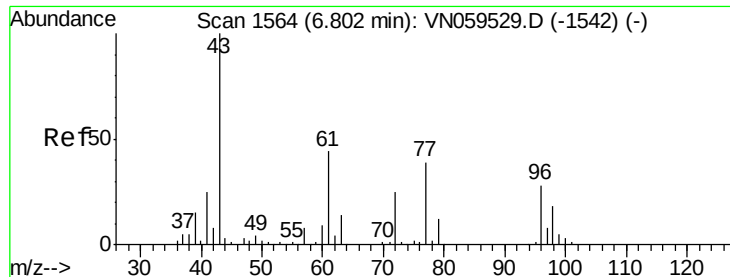
97 22.8 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 52.939 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

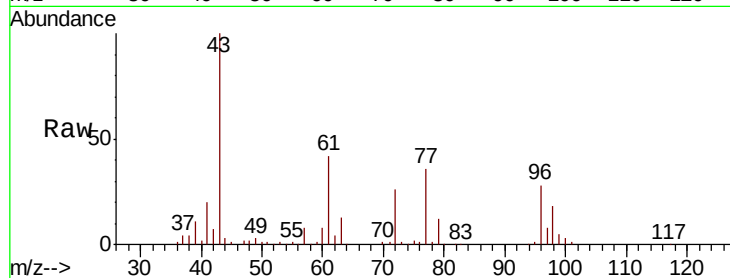
Tot Ion: 96 Resp: 190537

Ion Ratio Lower Upper

96 100

61 154.7 0.0 320.0

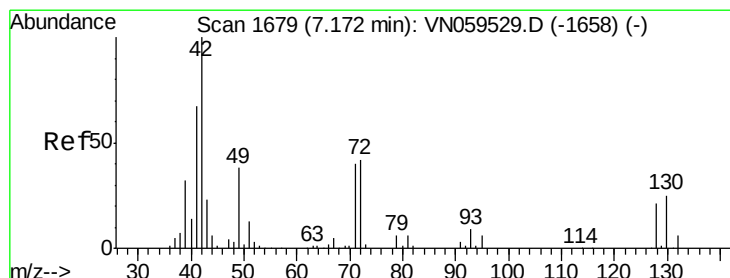
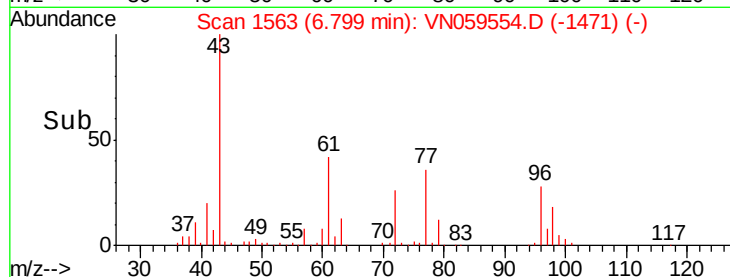
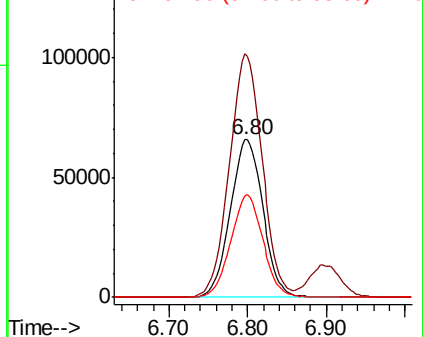
98 64.1 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.781 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

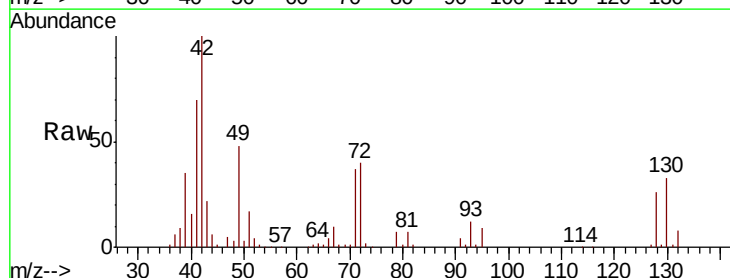
Tgt Ion: 49 Resp: 120302

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.0

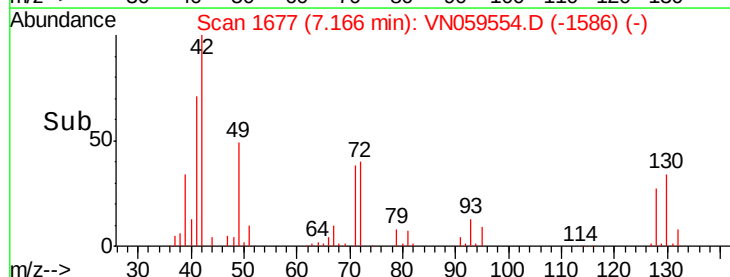
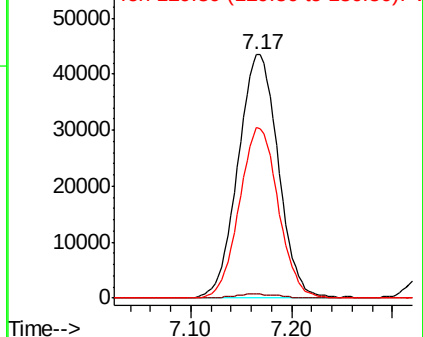
130 67.7 54.2 81.2

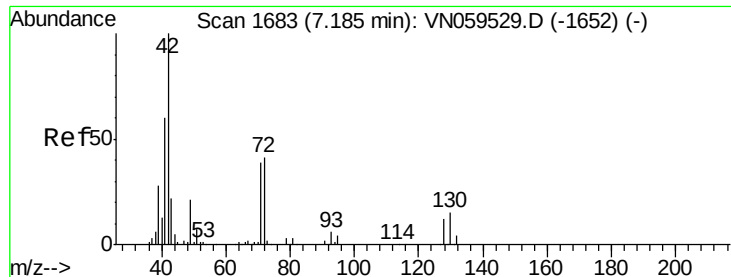


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

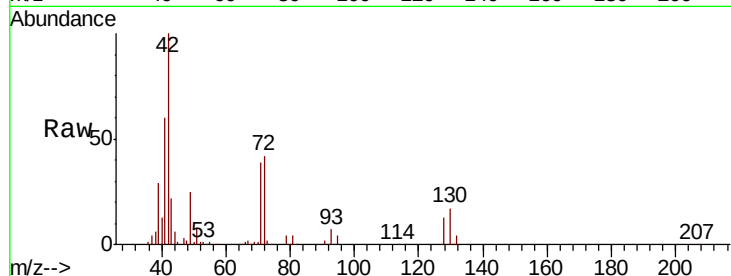




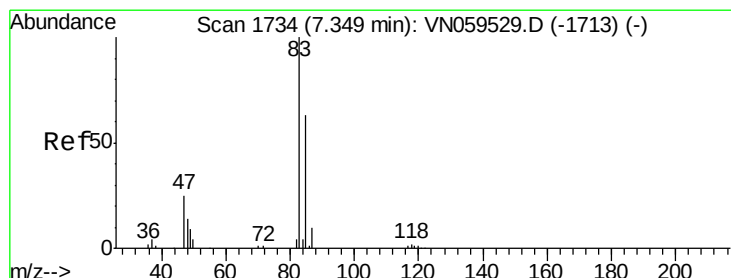
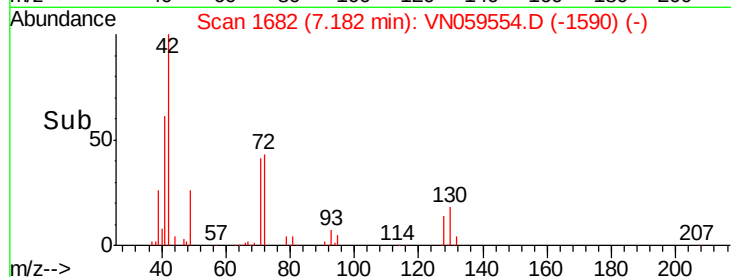
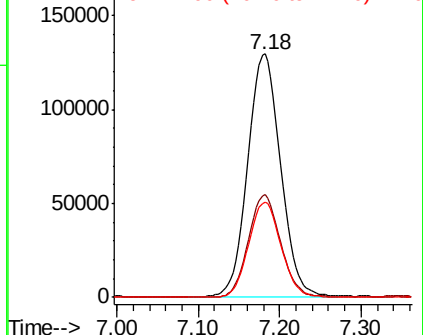
#29
Tetrahydrofuran
Concen: 206.622 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 361796
Ion Ratio Lower Upper
42 100
72 41.1 32.7 49.1
71 38.5 31.4 47.2

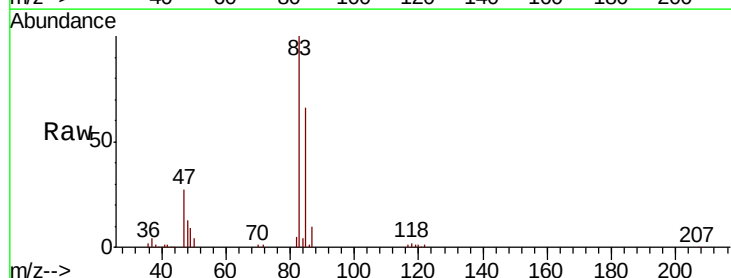


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

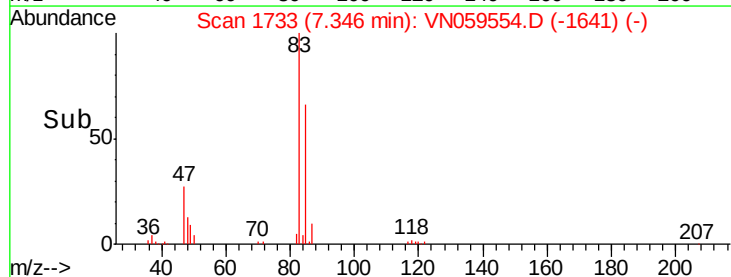
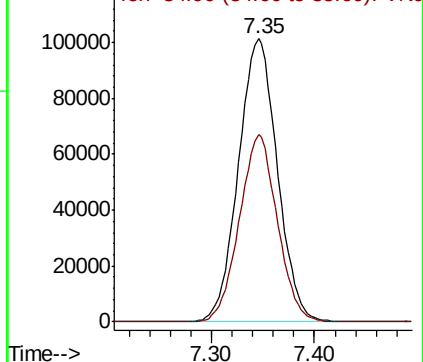


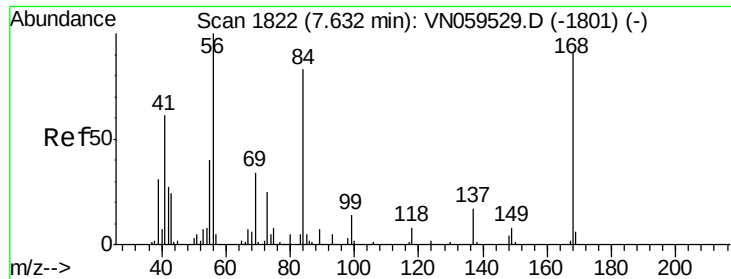
#30
Chloroform
Concen: 43.388 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 83 Resp: 265444
Ion Ratio Lower Upper
83 100
85 66.0 50.6 75.8



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

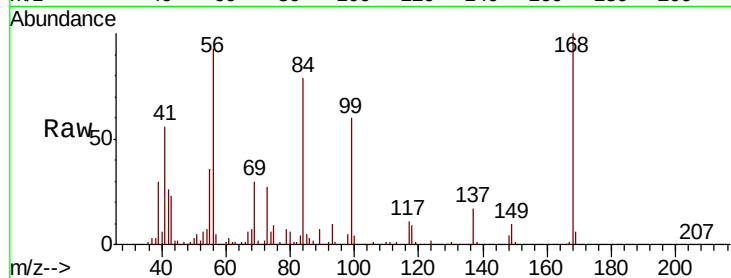




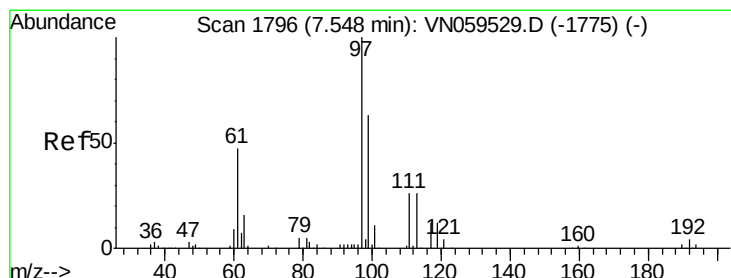
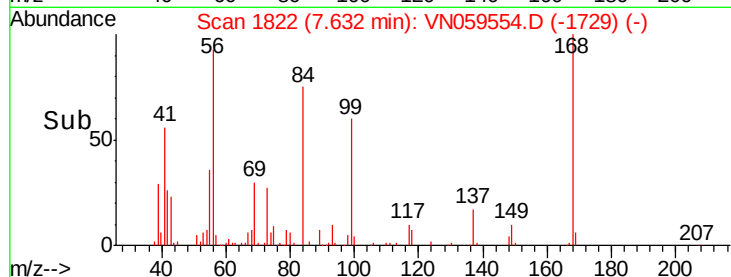
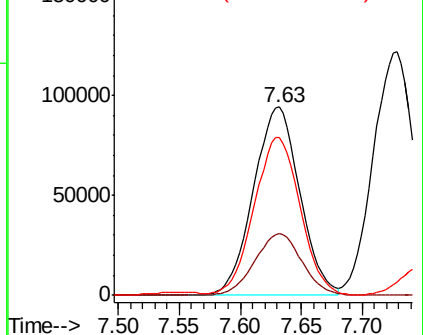
#31
Cyclohexane
Concen: 41.316 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 249236
Ion Ratio Lower Upper
56 100
69 32.6 26.9 40.3
84 82.4 66.5 99.7

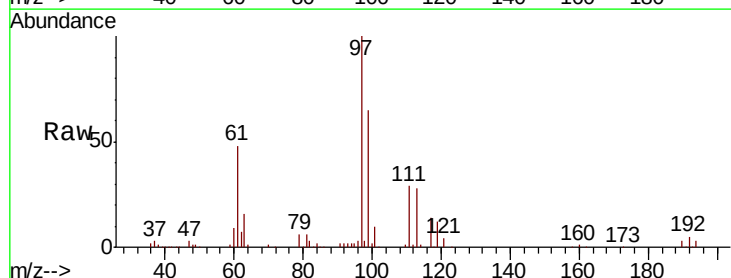


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

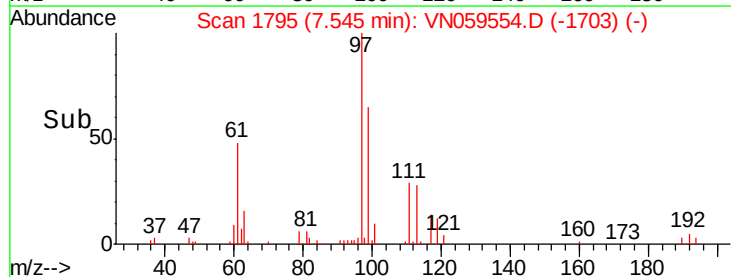
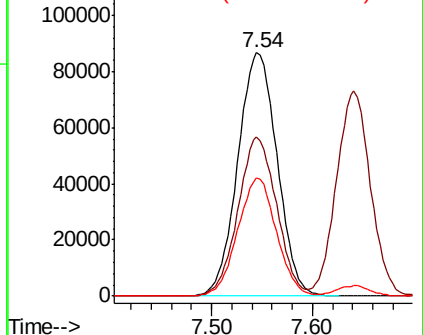


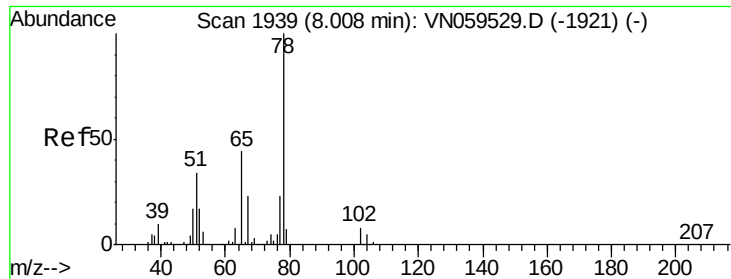
#32
1,1,1-Trichloroethane
Concen: 43.275 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 97 Resp: 234873
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.2
61 47.7 38.5 57.7



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

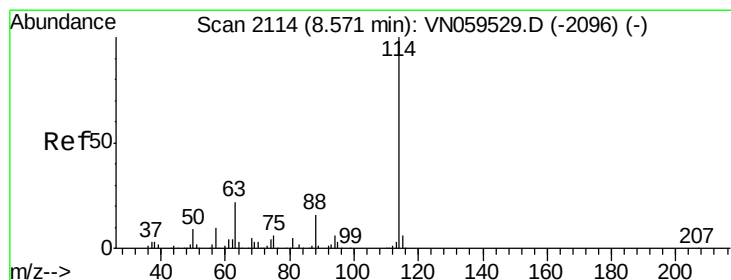
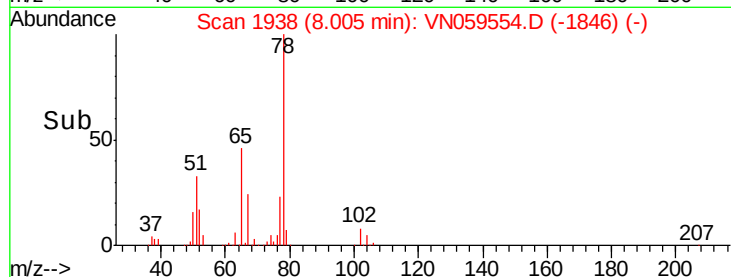
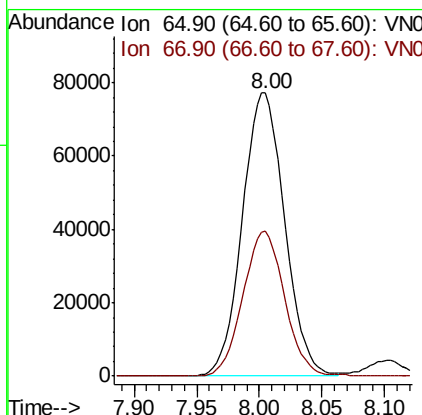
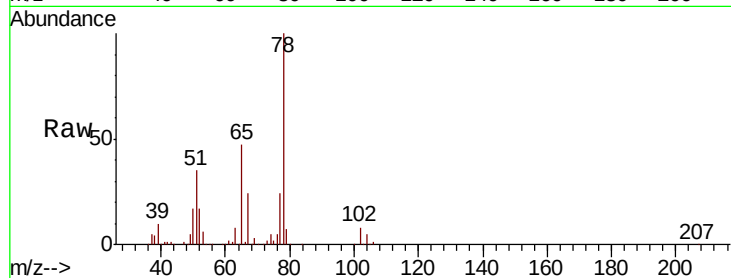




#33
 1,2-Dichloroethane-d4
 Concen: 45.214 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

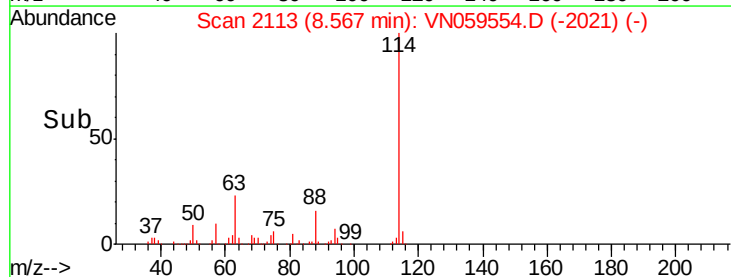
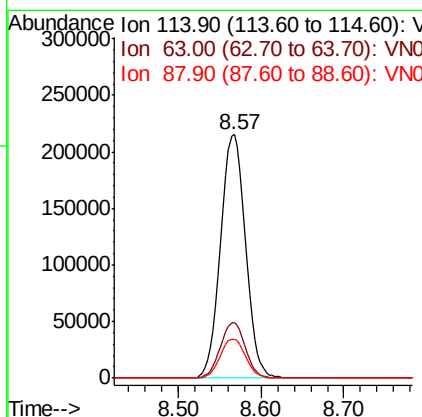
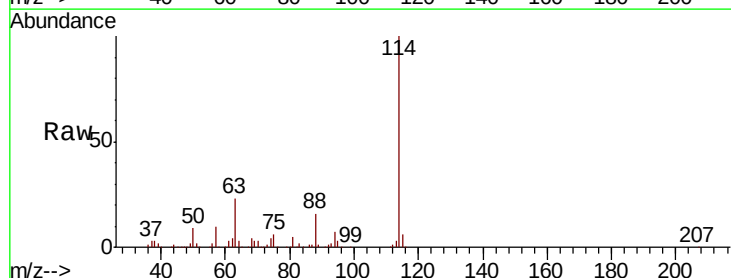
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

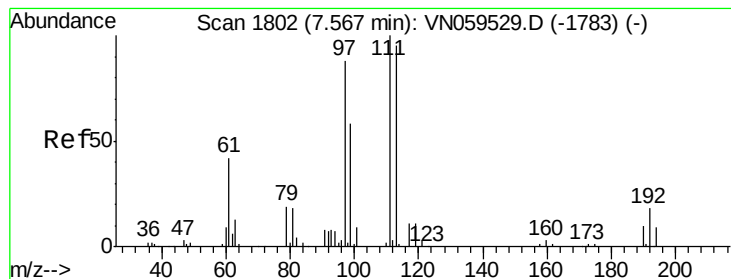
Tot Ion: 65 Resp: 181009
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion: 114 Resp: 450156
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.0
 88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.645 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

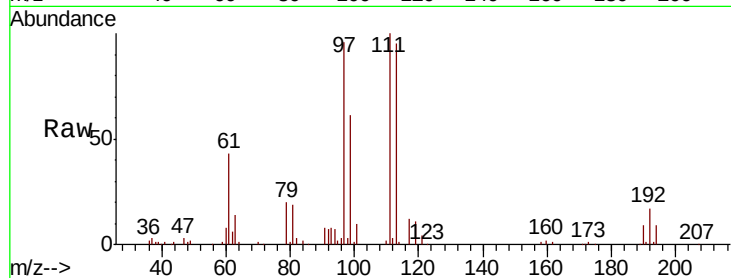
Tot Ion:113 Resp: 127987

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

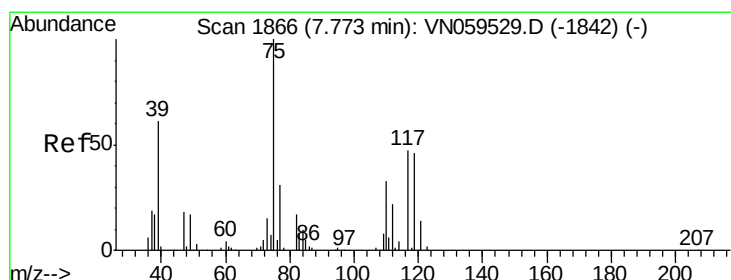
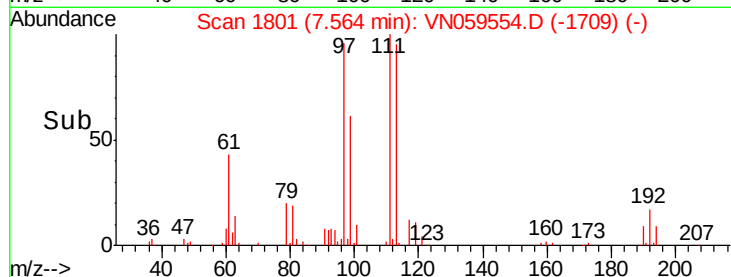
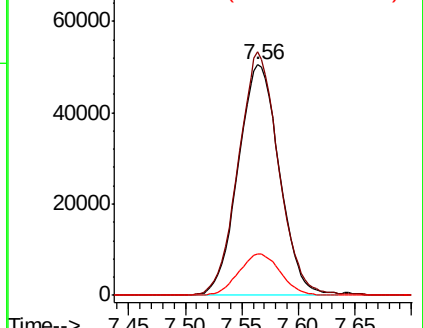
192 18.1 14.8 22.2



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: 44.237 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

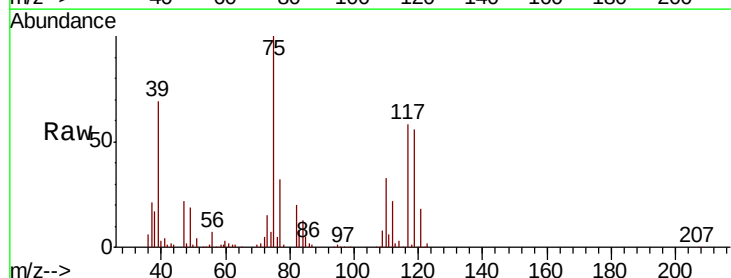
Tgt Ion: 75 Resp: 204304

Ion Ratio Lower Upper

75 100

110 33.2 16.7 50.0

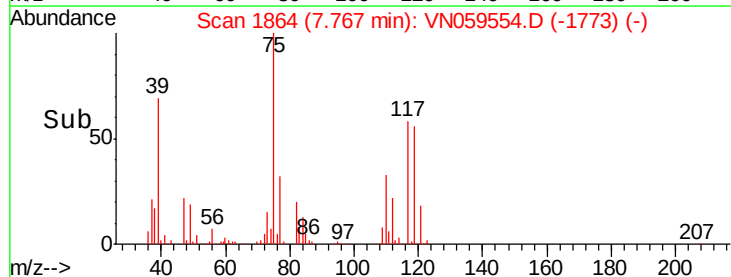
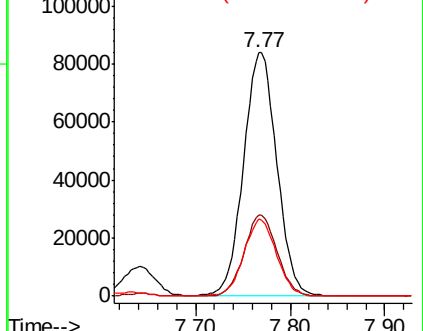
77 31.1 24.6 37.0

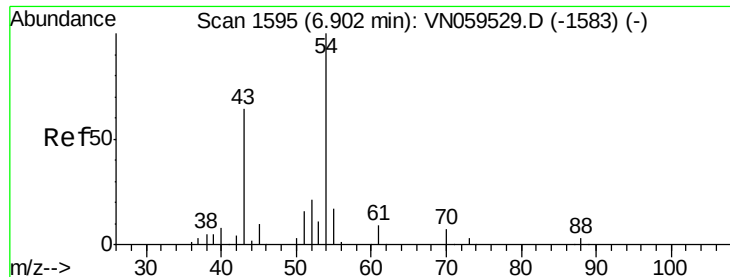


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

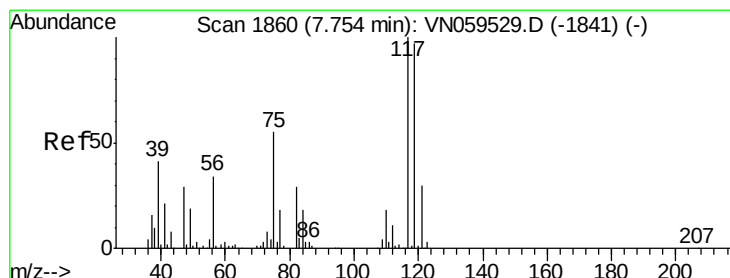
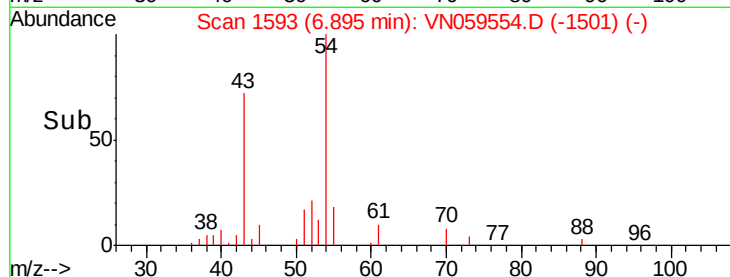
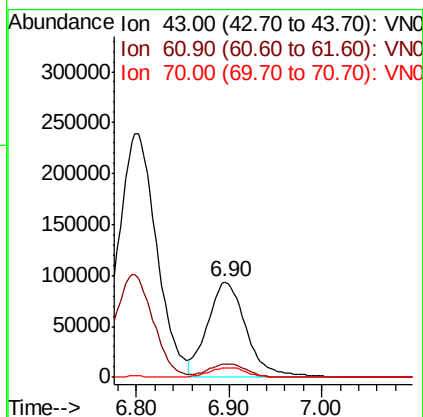
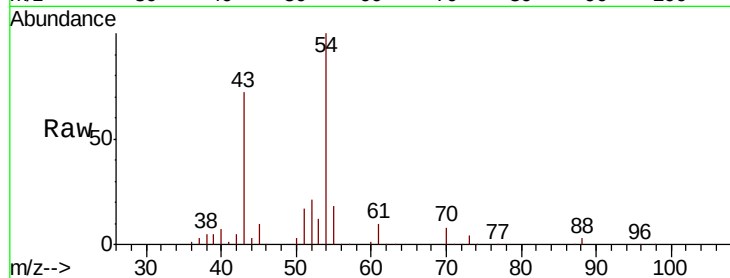




#37
Ethyl Acetate
Concen: 49.738 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

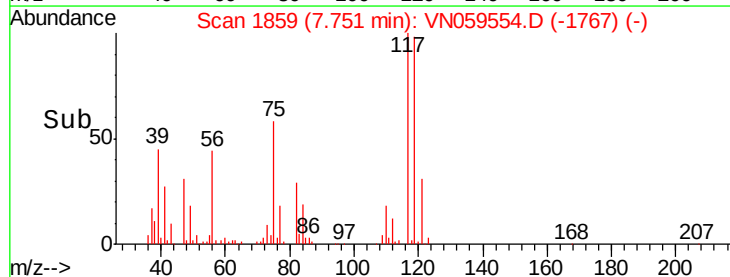
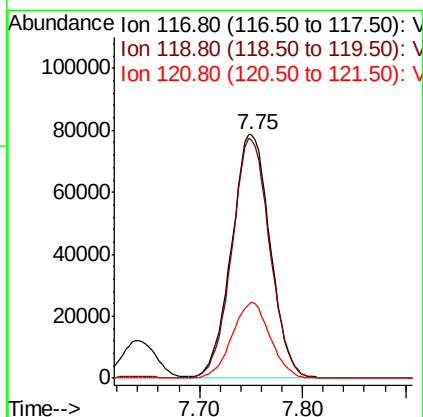
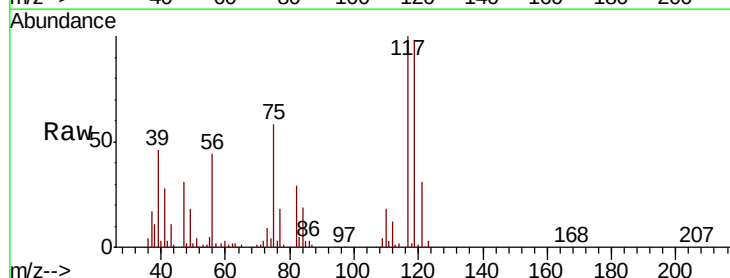
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

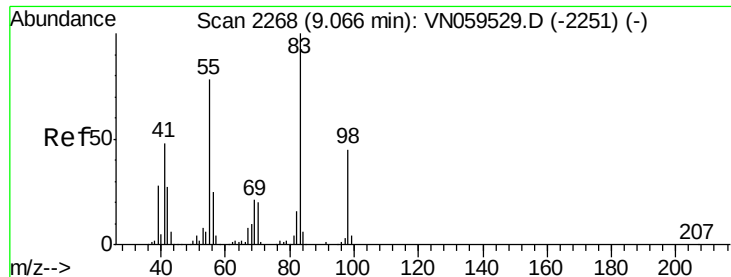
Tot Ion: 43 Resp: 267825
Ion Ratio Lower Upper
43 100
61 14.3 11.0 16.6
70 10.1 7.7 11.5



#38
Carbon Tetrachloride
Concen: 44.918 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 117 Resp: 204479
Ion Ratio Lower Upper
117 100
119 98.1 77.0 115.4
121 31.2 24.1 36.1

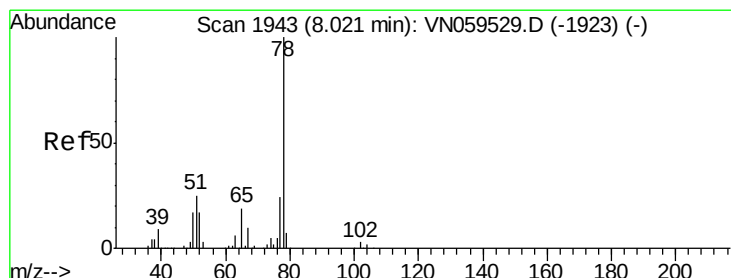
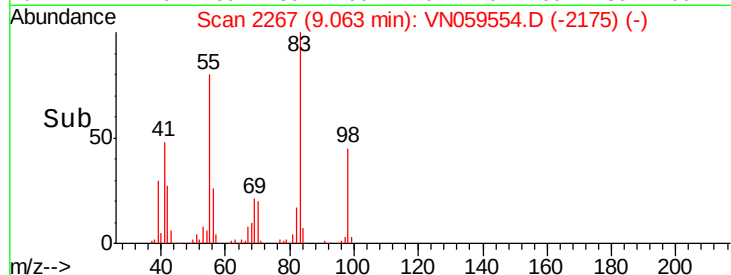
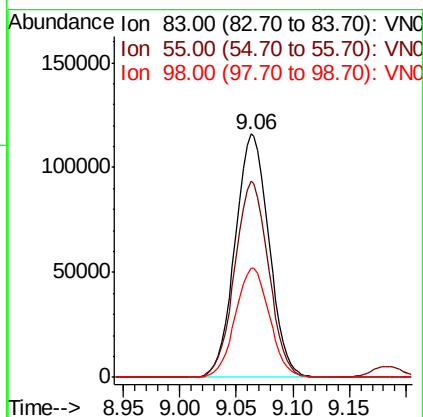
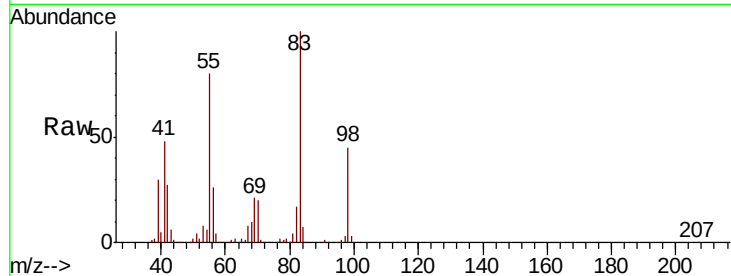




#39
Methylvlcyclohexane
Concen: 46.793 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

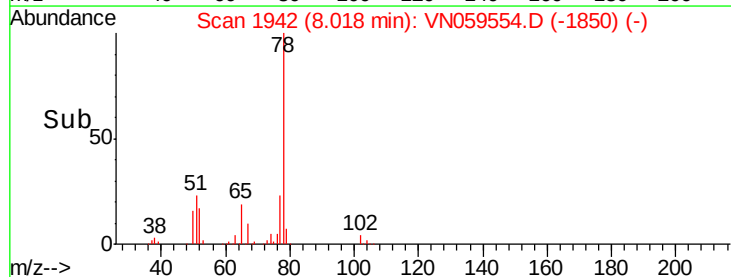
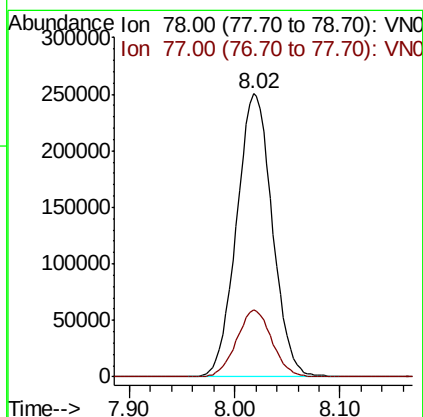
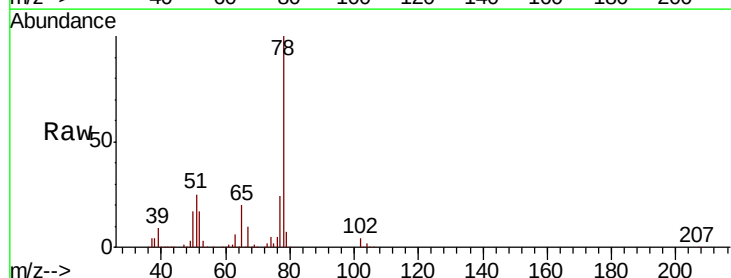
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

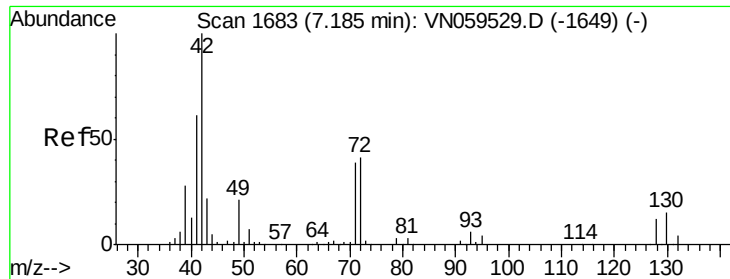
Tot Ion: 83 Resp: 242413
Ion Ratio Lower Upper
83 100
55 80.4 62.7 94.1
98 44.7 35.7 53.5



#40
Benzene
Concen: 44.586 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 78 Resp: 588247
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

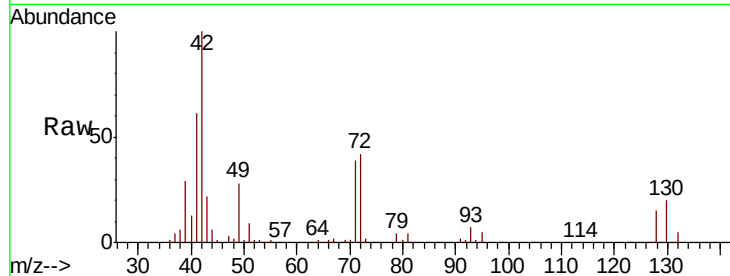




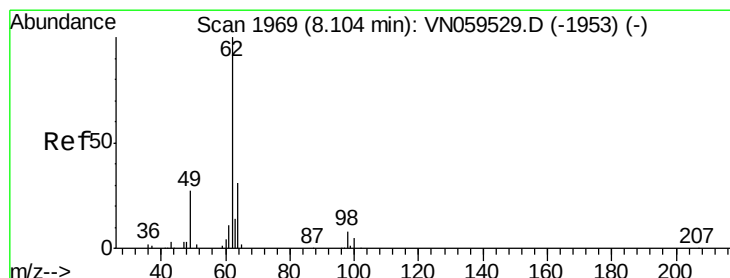
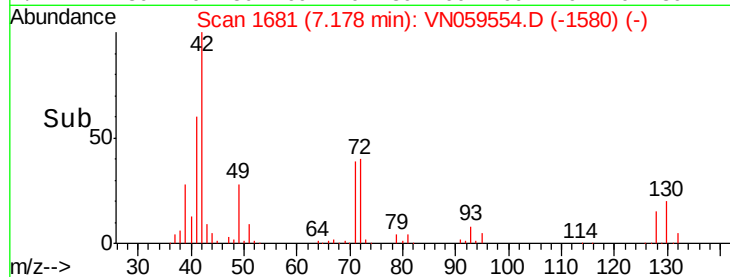
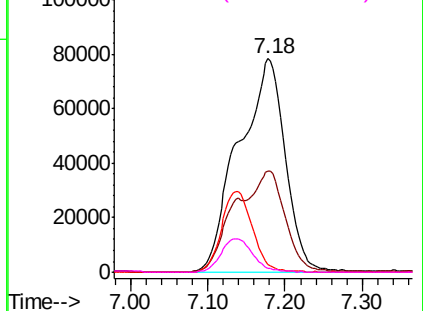
#41
Methacrylonitrile
Concen: 146.010 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.02 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	327708
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

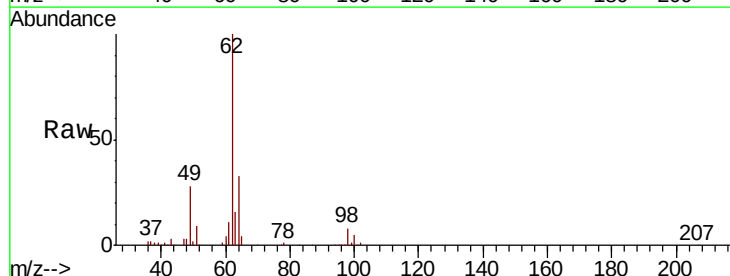


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

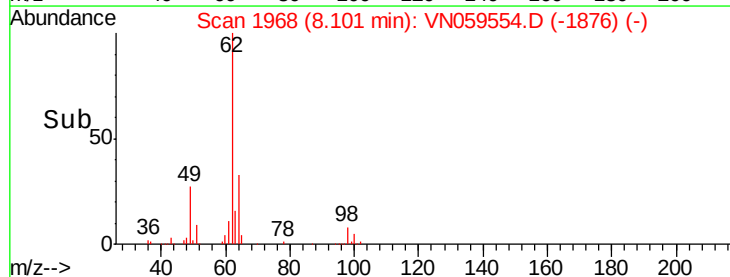
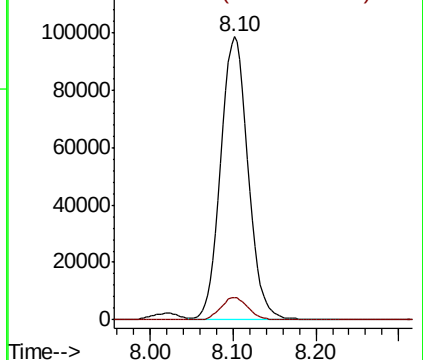


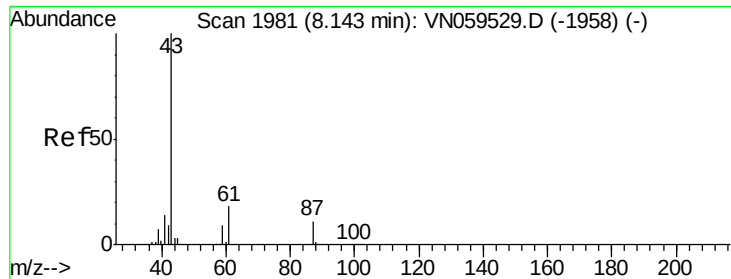
#42
1,2-Dichloroethane
Concen: 46.120 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion:	62	Resp:	226714
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 45.433 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

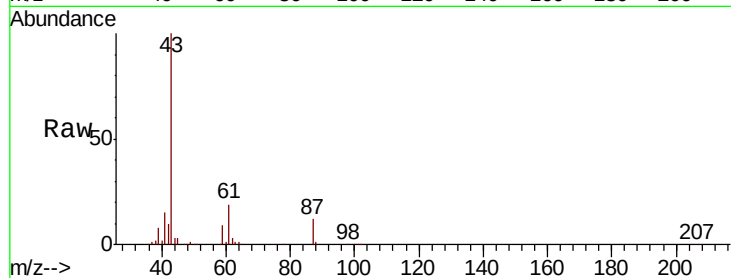
Tot Ion: 43 Resp: 362213

Ion Ratio Lower Upper

43 100

61 24.7 19.8 29.6

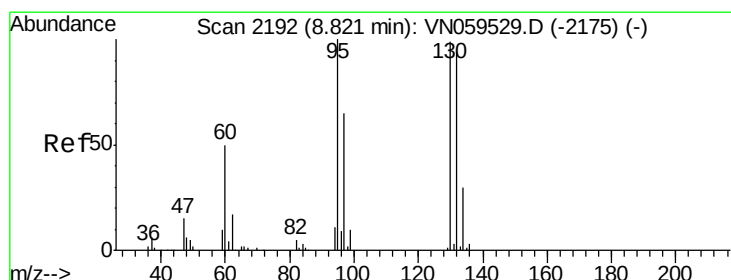
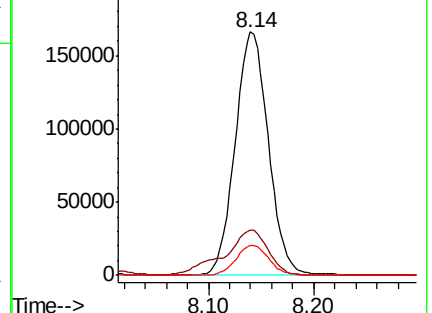
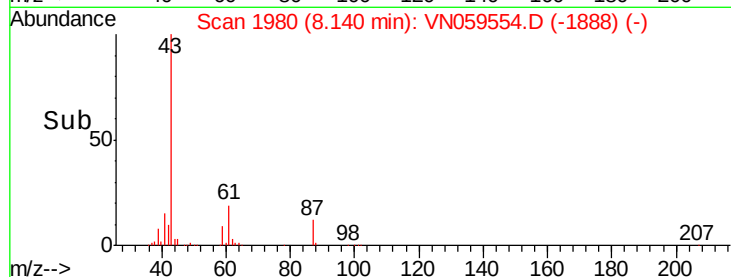
87 12.2 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN059529.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN059529.D (-1958) (-)



#44

Trichloroethene

Concen: 45.406 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059554.D

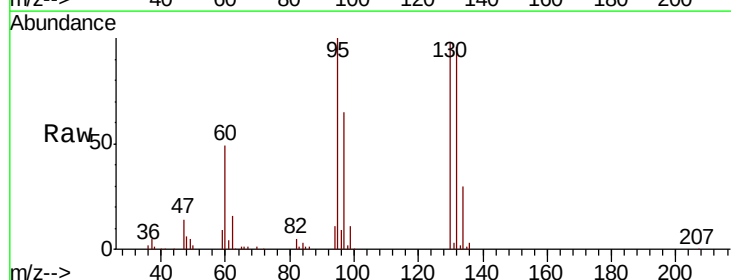
Acq: 11 Dec 2019 11:22

Tgt Ion:130 Resp: 151344

Ion Ratio Lower Upper

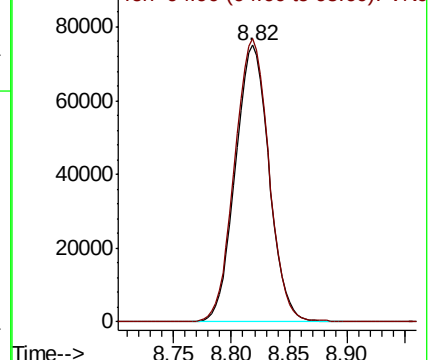
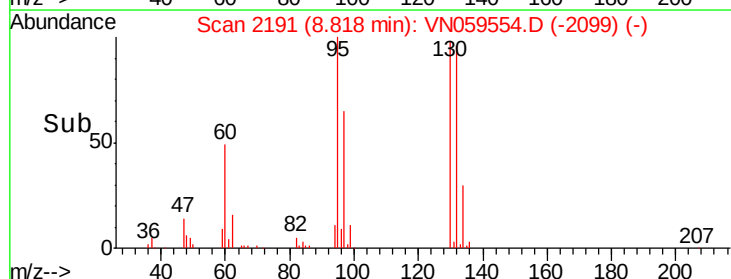
130 100

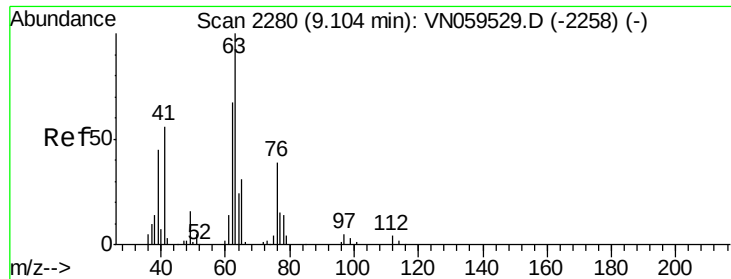
95 102.2 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VN059529.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059529.D (-2175) (-)

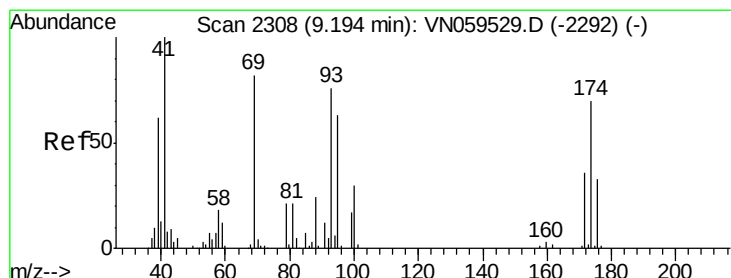
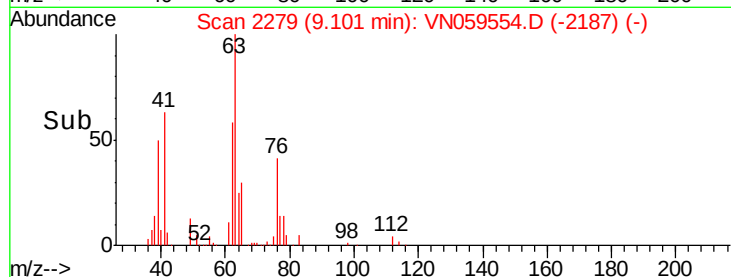
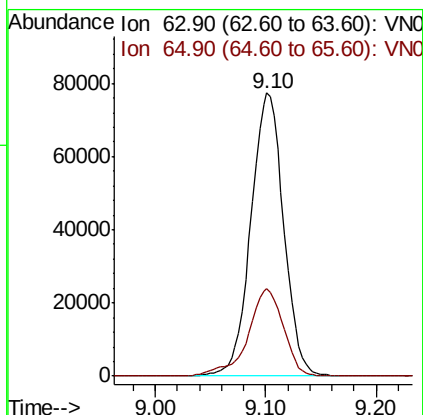
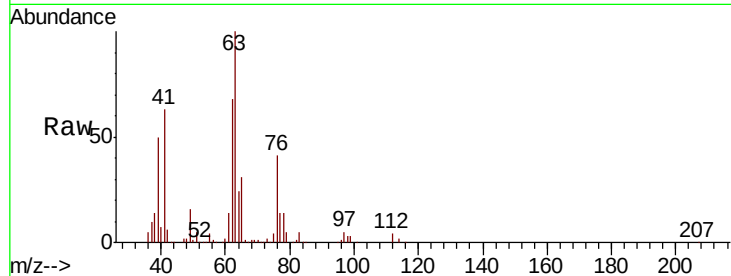




#45
 1,2-Dichloropropane
 Concen: 45.510 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

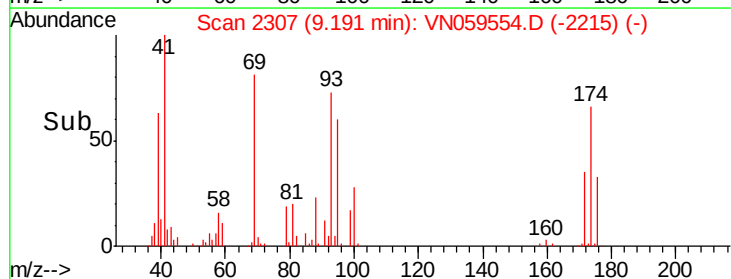
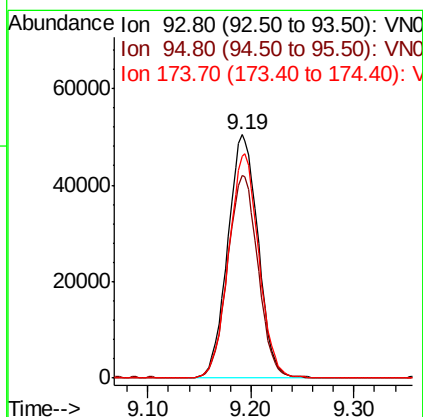
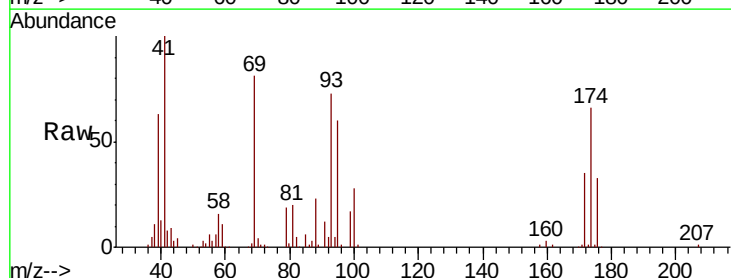
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

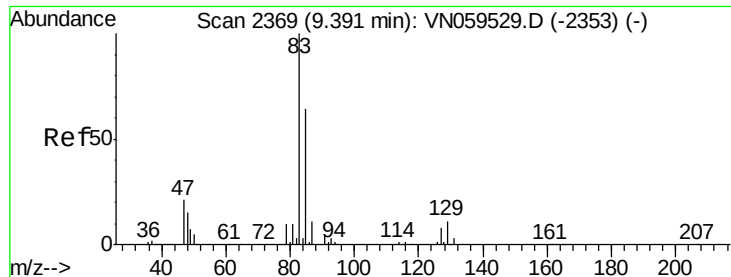
Tot Ion: 63 Resp: 159063
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2



#46
 Dibromomethane
 Concen: 44.851 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion: 93 Resp: 103598
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.0 100.6
 174 91.5 75.6 113.4

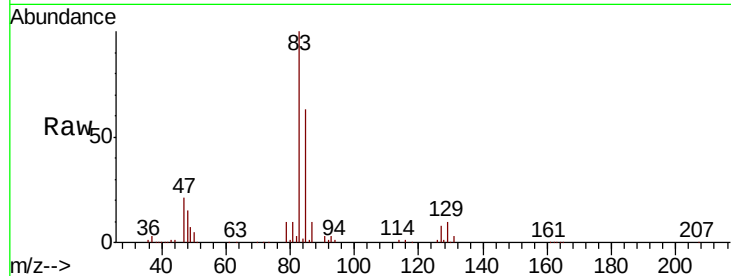




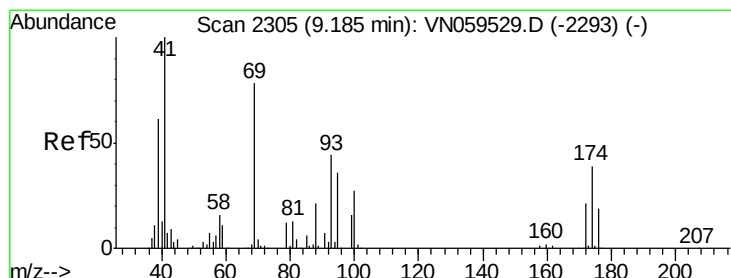
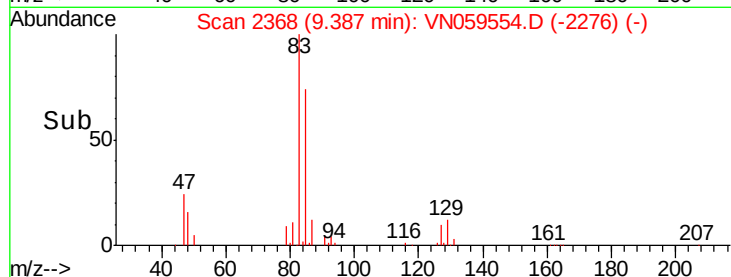
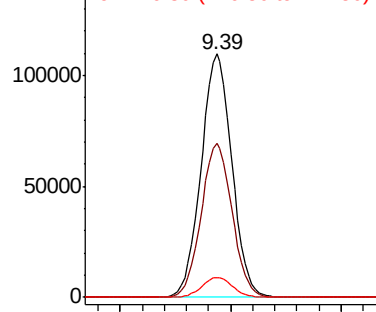
#47
Bromodichloromethane
Concen: 46.172 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	211957
Ion Ratio	100		
85	63.1	51.4	77.0
127	8.3	6.7	10.1

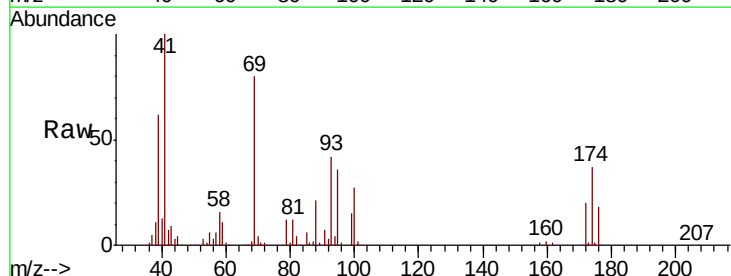


Abundance Ion 82.90 (82.60 to 83.60): VN059529.D (-2353) (-)

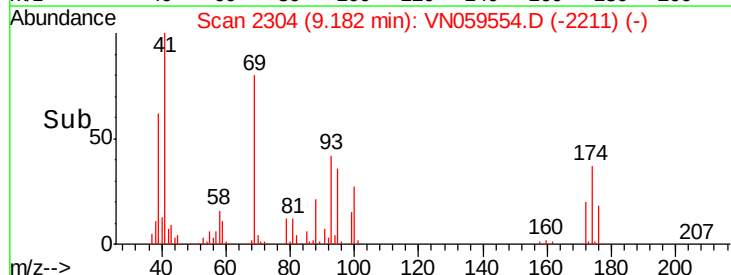
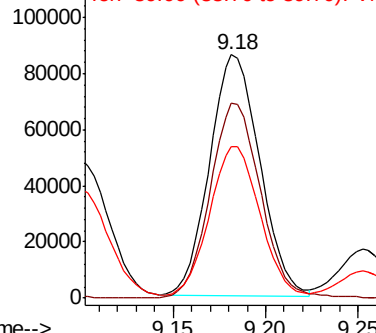


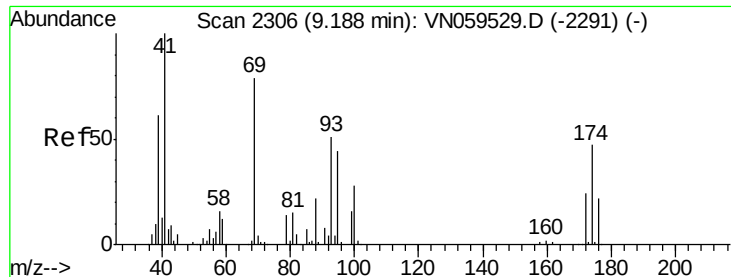
#48
Methyl methacrylate
Concen: 46.139 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion	41	Resp	160836
Ion Ratio	100		
69	81.8	64.0	96.0
39	63.8	50.0	75.0



Abundance Ion 41.00 (40.70 to 41.70): VN059529.D (-2293) (-)

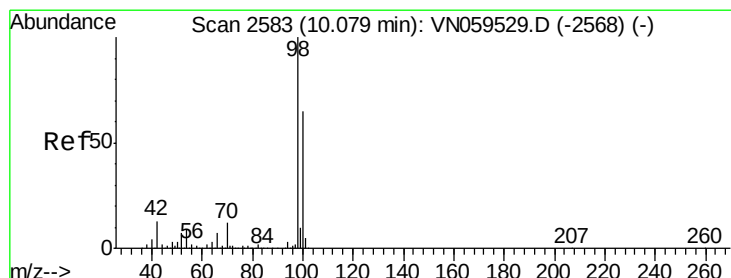
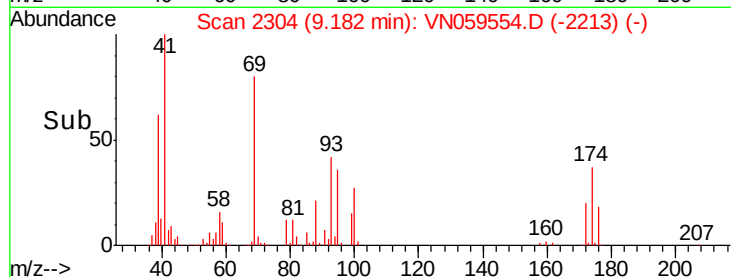
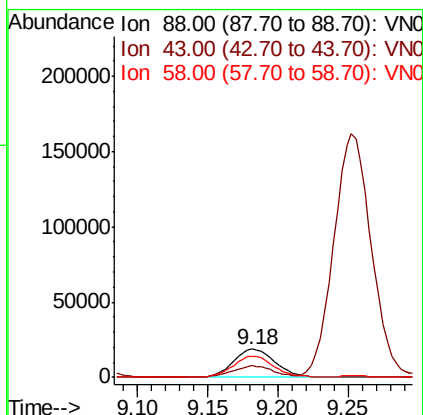
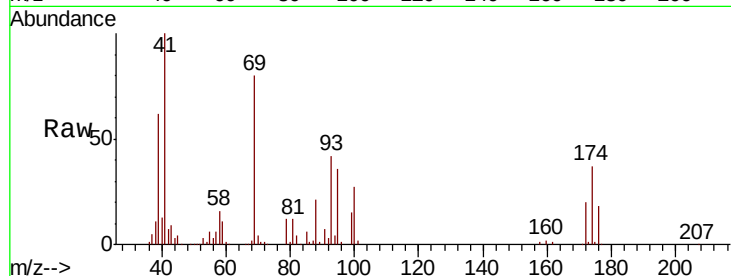




#49
1,4-Dioxane
Concen: 884.410 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

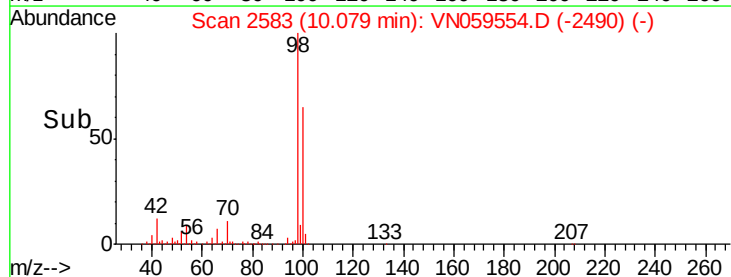
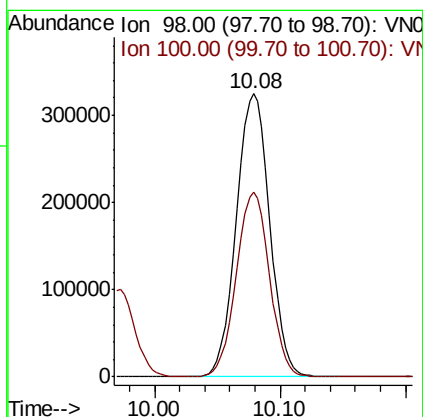
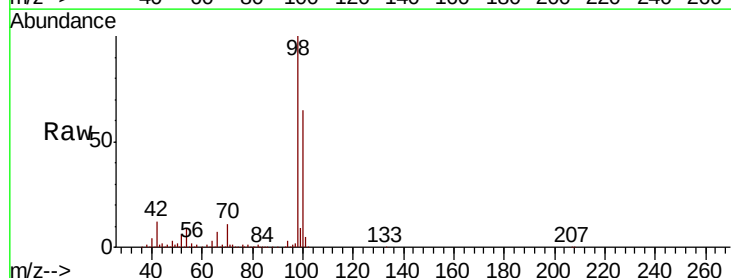
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

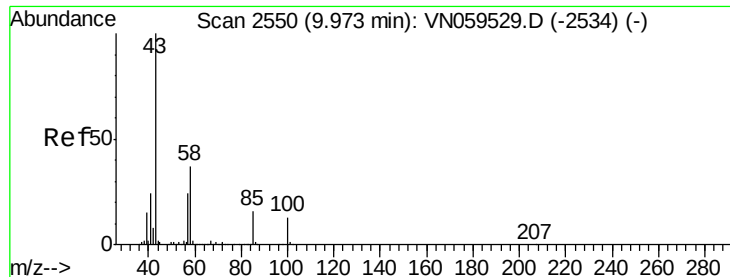
Tot Ion: 88 Resp: 39445
Ion Ratio Lower Upper
88 100
43 40.2 31.4 47.0
58 73.0 61.0 91.6



#50
Toluene-d8
Concen: 54.808 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 98 Resp: 601077
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 259.205 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

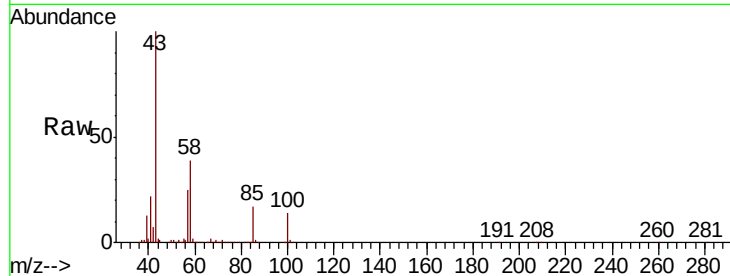
VSTDCCC050

Tot Ion: 43 Resp: 1312854

Ion Ratio Lower Upper

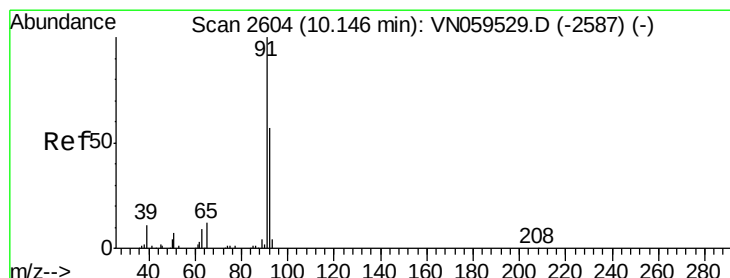
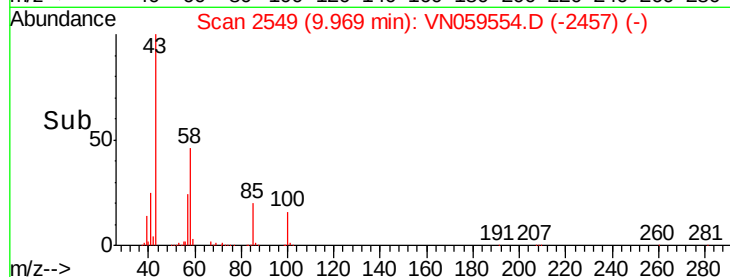
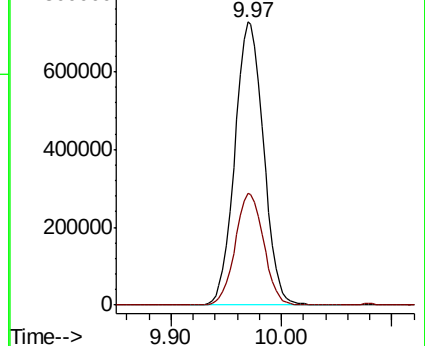
43 100

58 38.9 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059529.D (-2534) (-)



#52

Toluene

Concen: 55.773 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059554.D

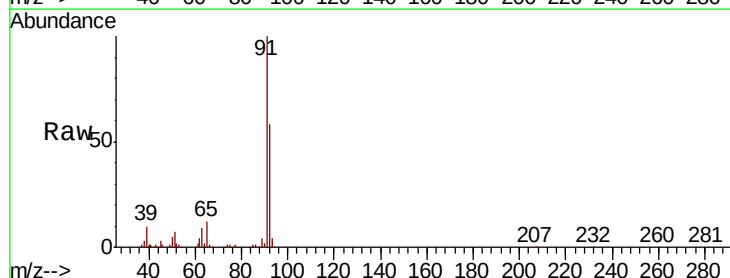
Acq: 11 Dec 2019 11:22

Tgt Ion: 92 Resp: 438438

Ion Ratio Lower Upper

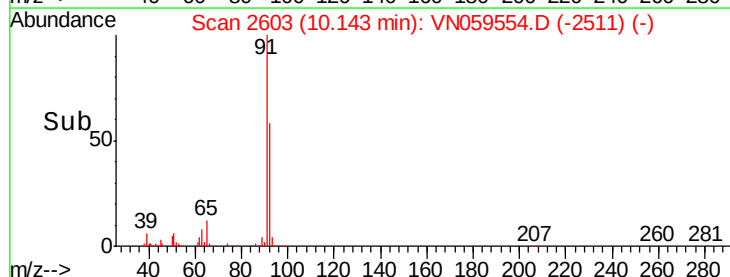
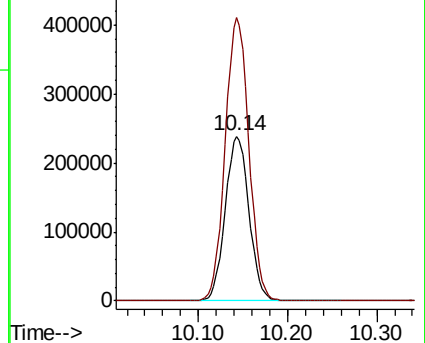
92 100

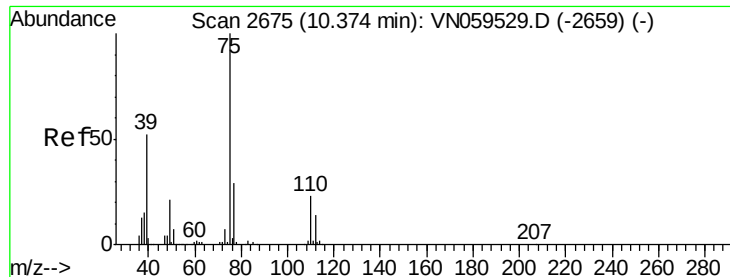
91 172.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN059529.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059529.D (-2587) (-)





#53

t-1,3-Dichloropropene

Concen: 46.414 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

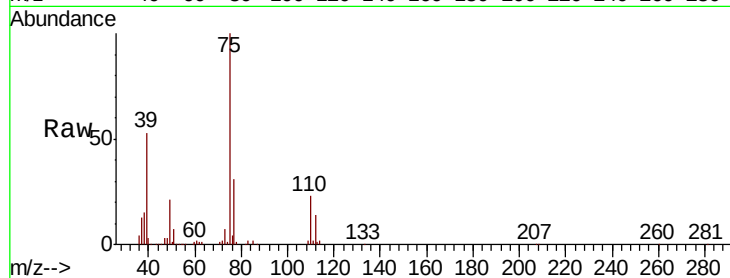
VSTDCCC050

Tot Ion: 75 Resp: 248254

Ion Ratio Lower Upper

75 100

77 30.9 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

150000

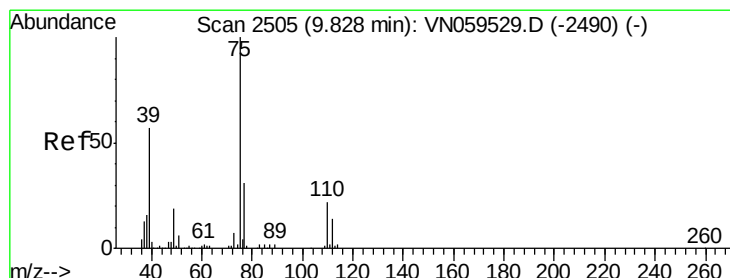
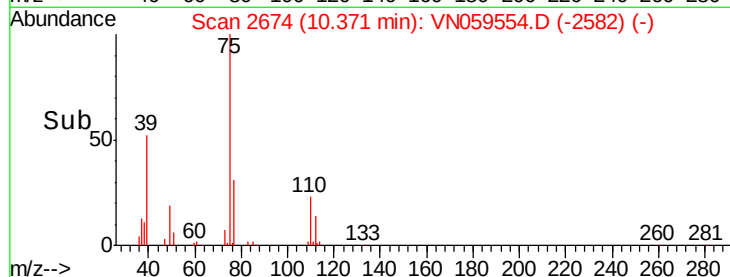
100000

50000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.598 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

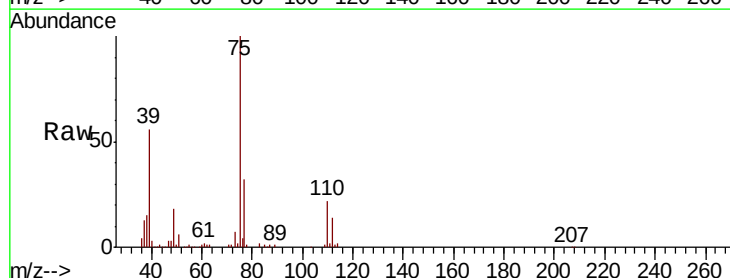
Tgt Ion: 75 Resp: 260561

Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8

39 55.6 45.6 68.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

150000

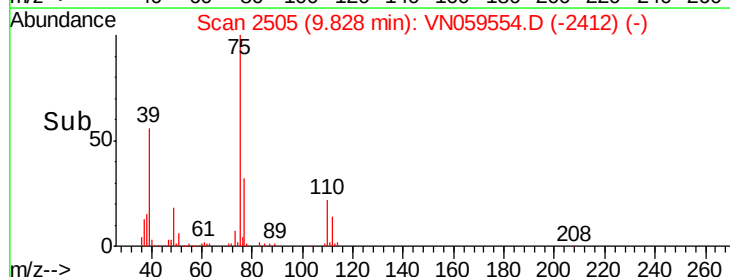
100000

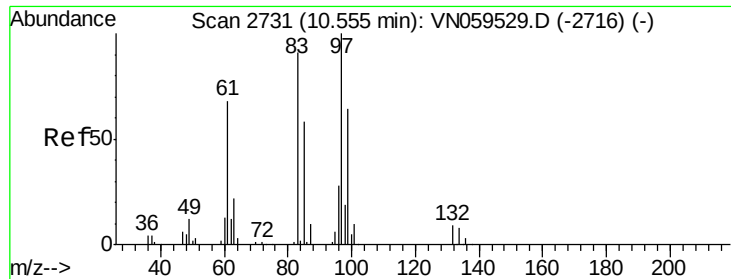
50000

0

9.75 9.80 9.85 9.90

Time-->



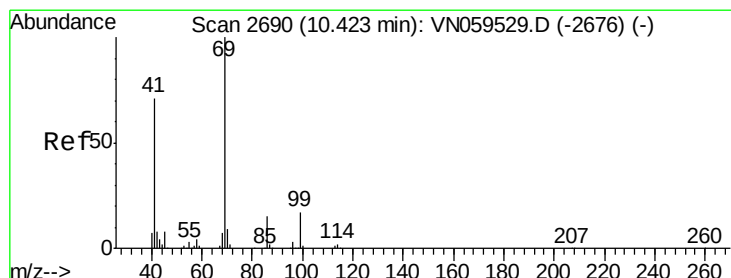
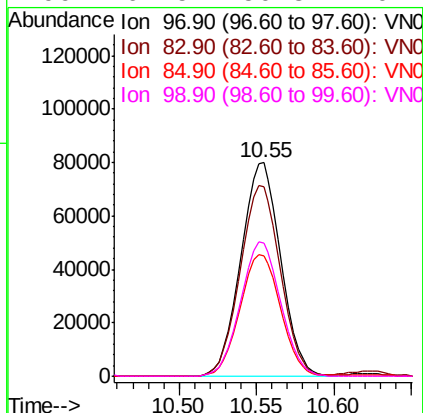
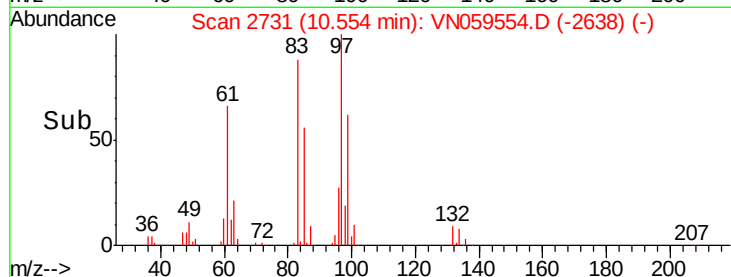
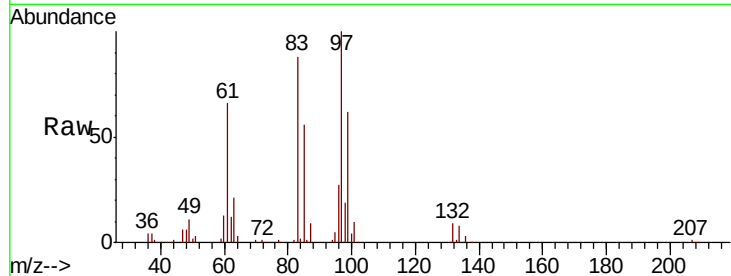


#55
 1,1,2-Trichloroethane
 Concen: 45.092 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 143364

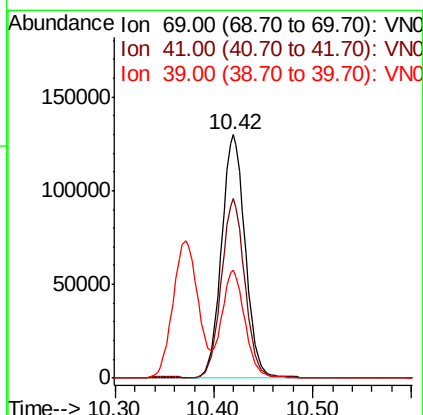
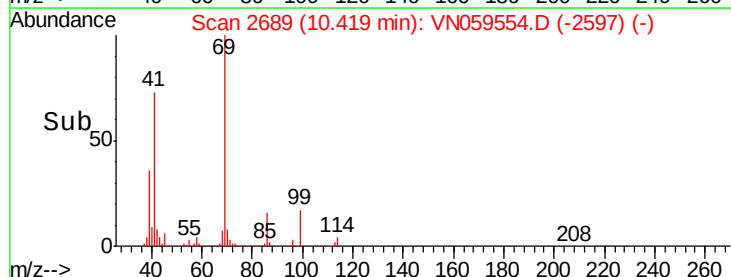
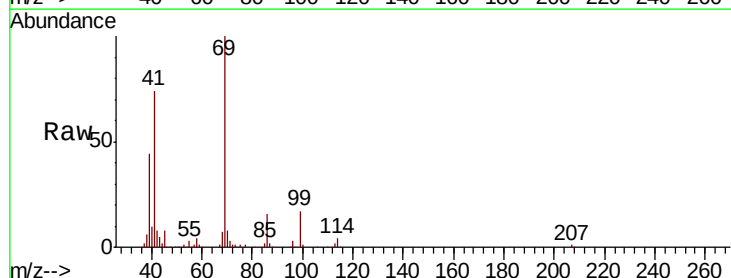
Ion	Ratio	Lower	Upper
97	100		
83	88.4	72.9	109.3
85	56.2	46.1	69.1
99	62.5	50.8	76.2

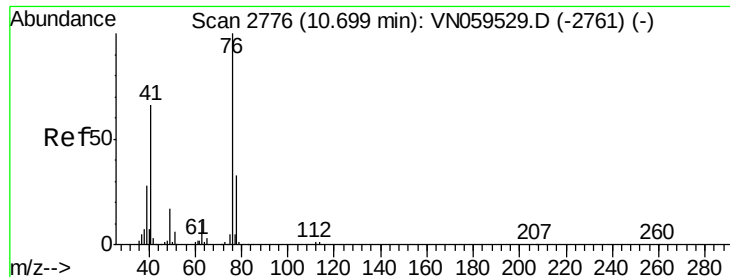


#56
 Ethyl methacrylate
 Concen: 40.461 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion: 69 Resp: 219277

Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.7	86.5
39	43.0	34.2	51.2

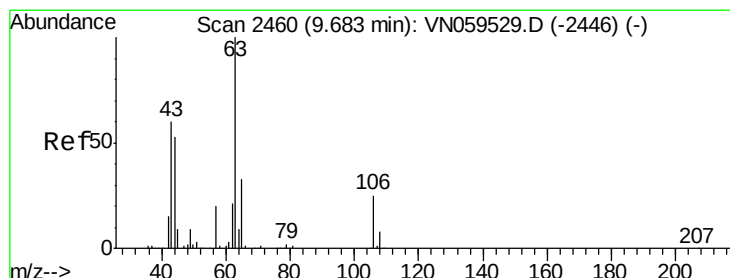
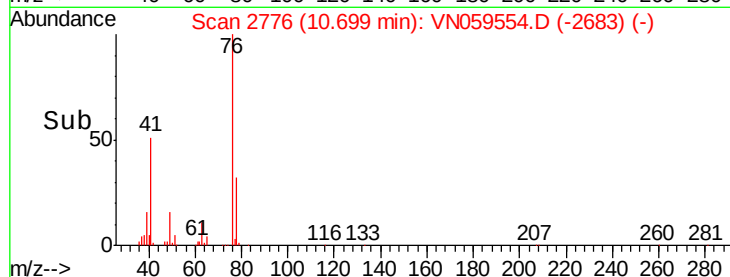
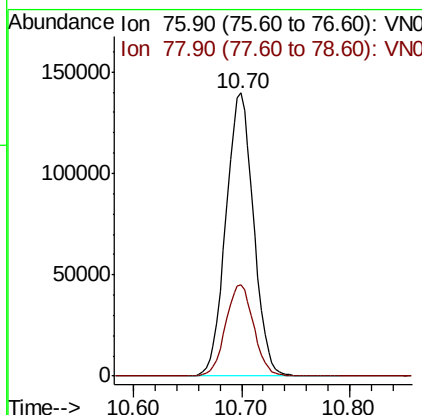
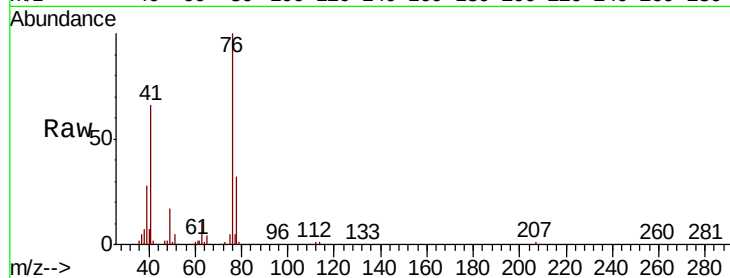




#57
 1,3-Dichloropropane
 Concen: 45.951 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

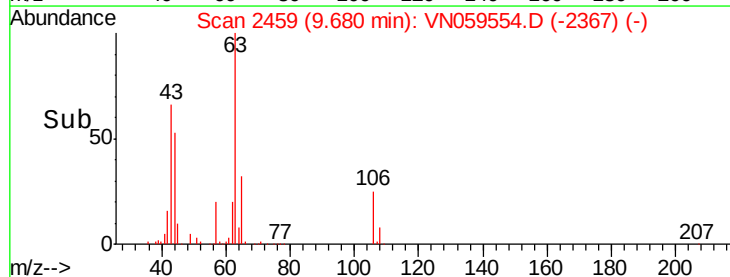
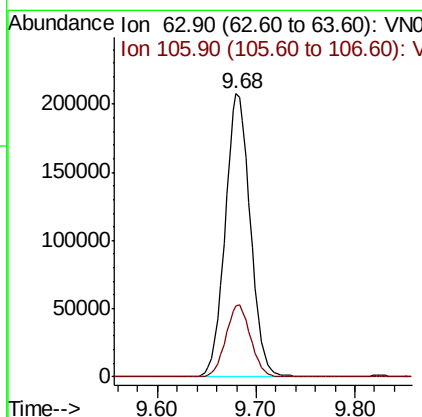
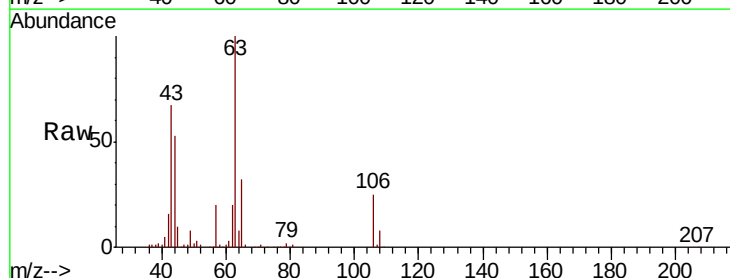
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

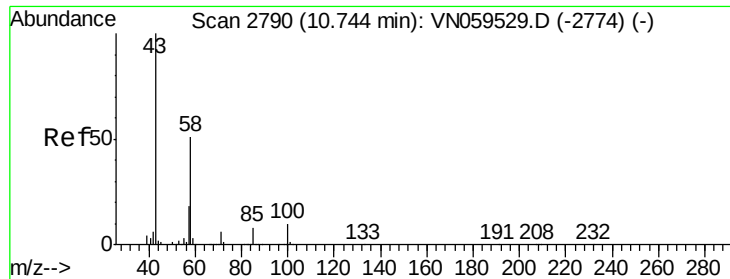
Tot Ion: 76 Resp: 249510
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 284.026 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion: 63 Resp: 369931
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.9 29.9

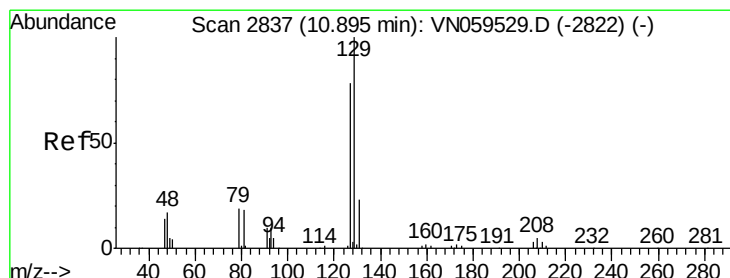
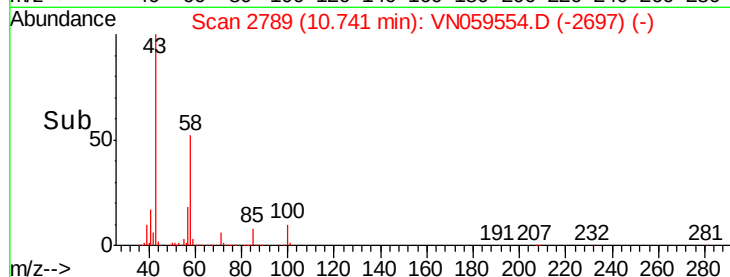
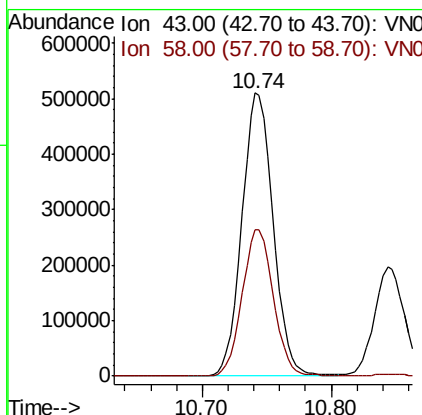
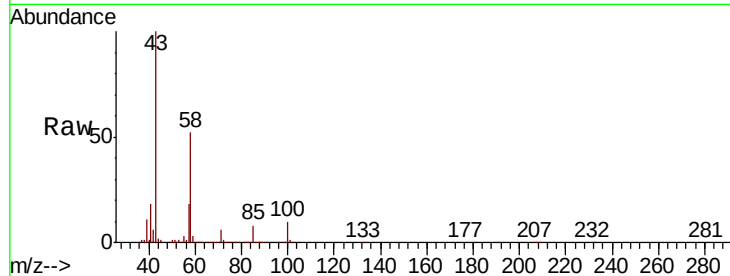




#59
2-Hexanone
Concen: 222.723 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

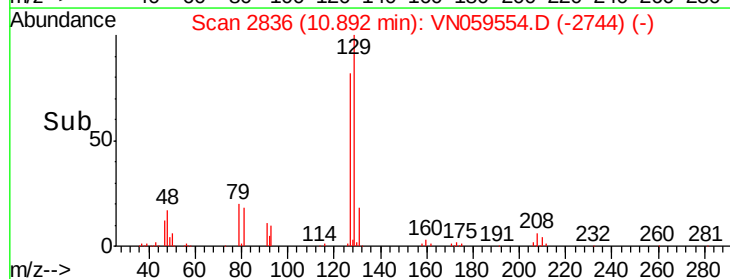
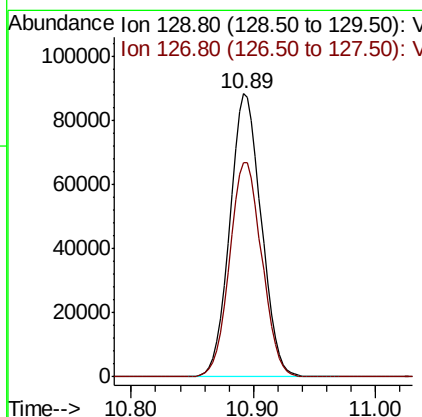
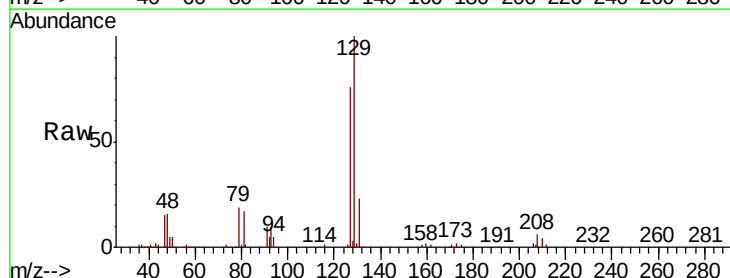
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

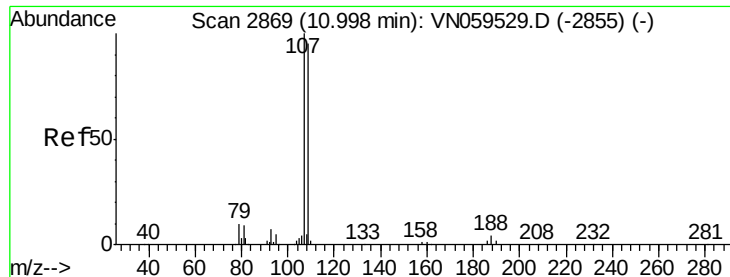
Tot Ion: 43 Resp: 860787
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.6



#60
Dibromochloromethane
Concen: 41.939 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 129 Resp: 158482
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6

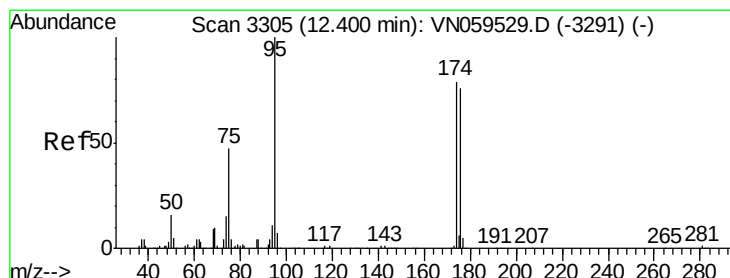
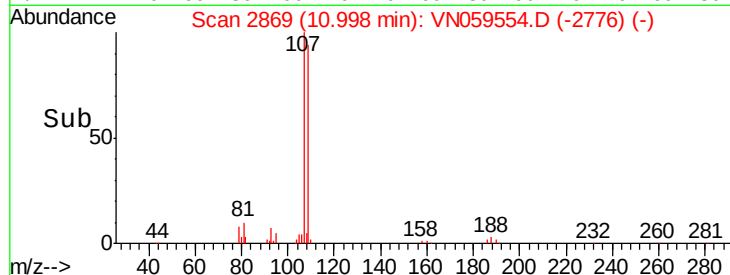
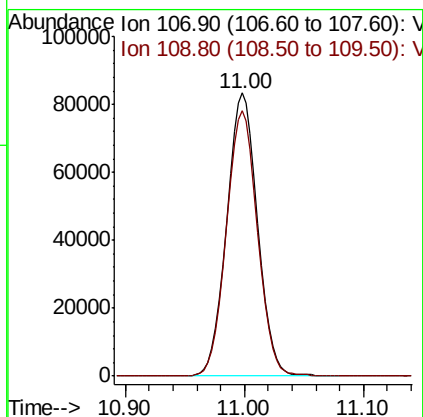
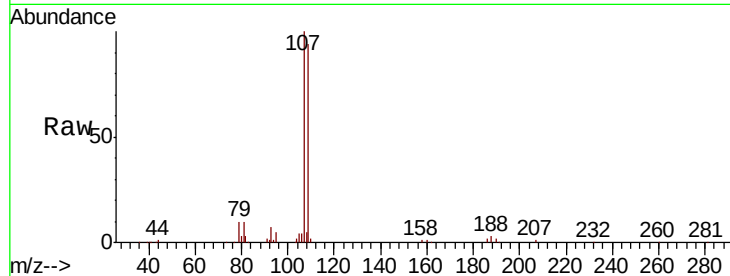




#61
 1,2-Dibromoethane
 Concen: 45.142 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

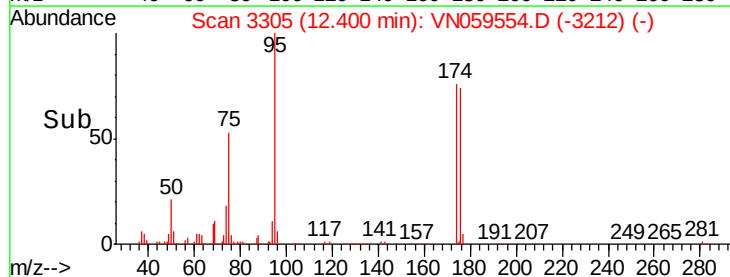
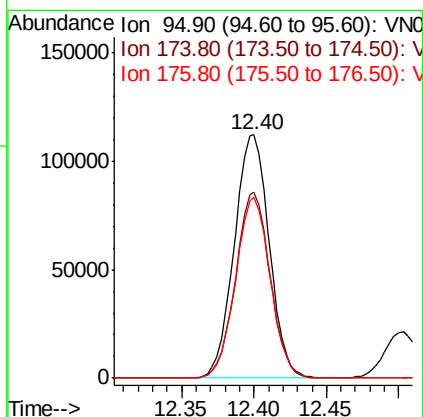
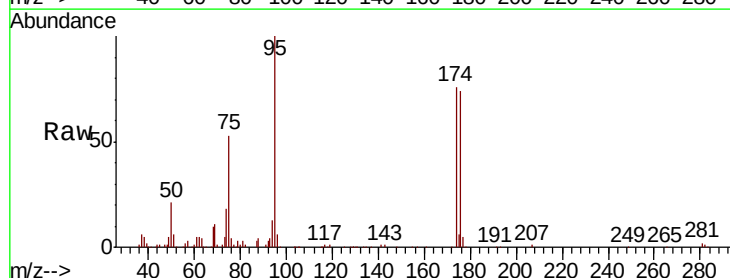
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

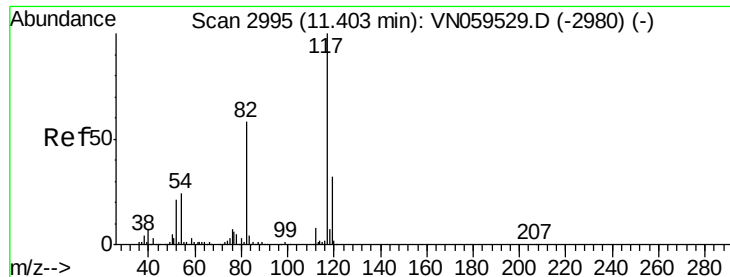
Tot Ion:107 Resp: 149411
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 46.305 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion: 95 Resp: 187978
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 158.0
 176 73.4 0.0 155.4

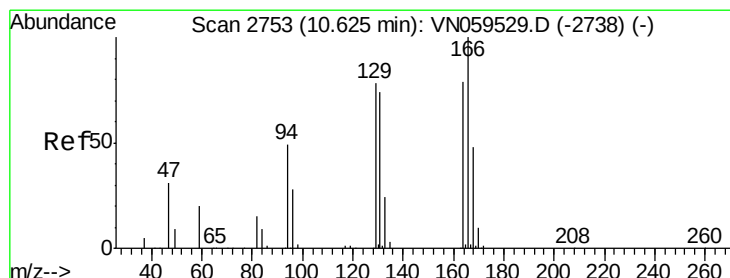
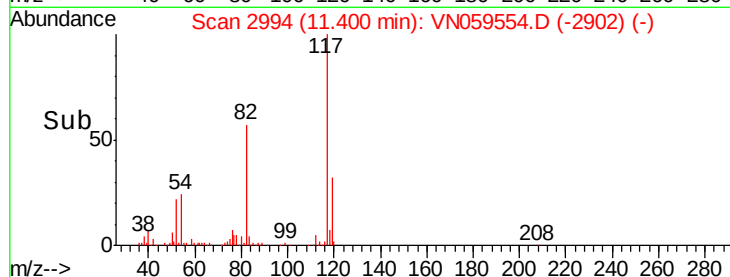
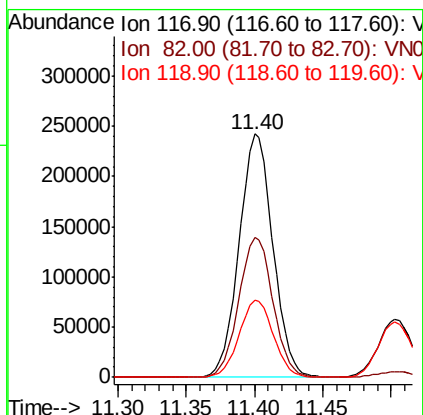
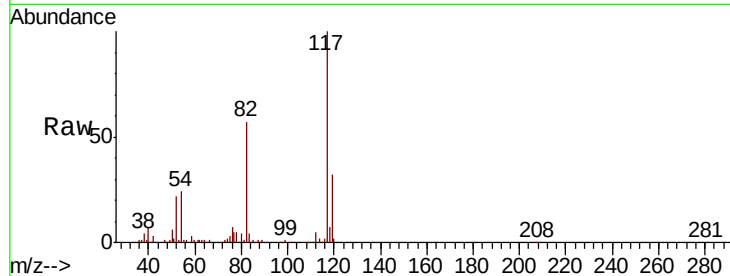




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

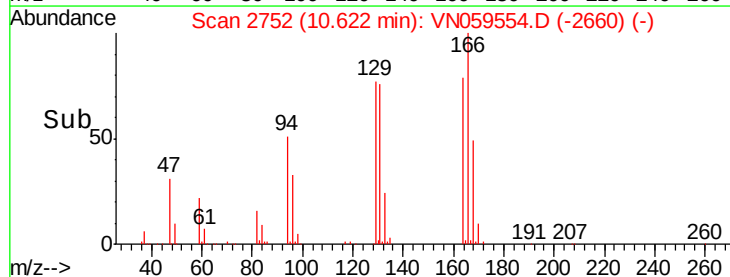
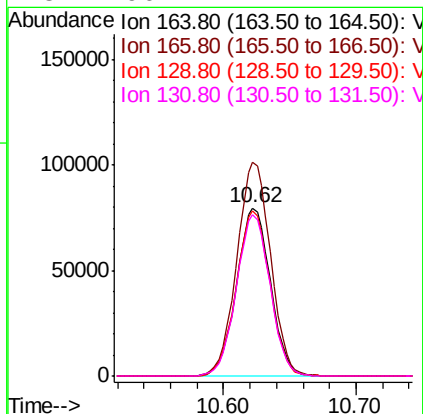
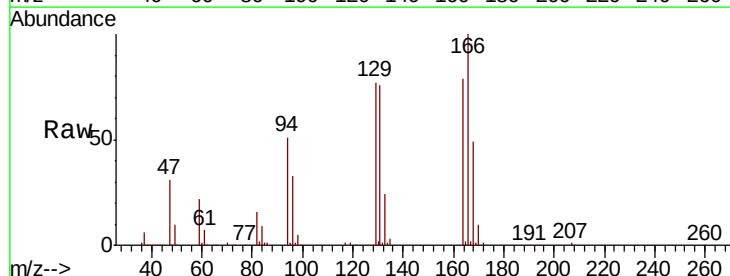
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

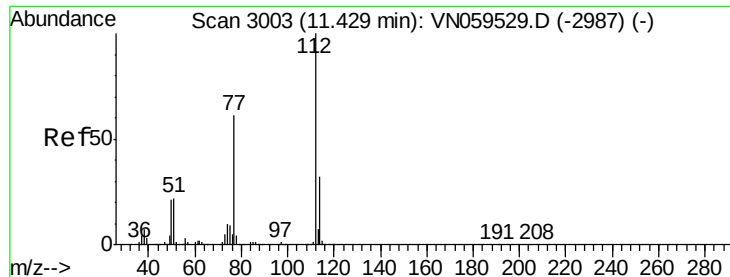
Tot Ion:117 Resp: 417079
Ion Ratio Lower Upper
117 100
82 57.3 46.5 69.7
119 31.9 25.2 37.8



#64
Tetrachloroethene
Concen: 46.165 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion:164 Resp: 140722
Ion Ratio Lower Upper
164 100
166 126.9 101.6 152.4
129 98.3 79.0 118.6
131 96.2 74.7 112.1

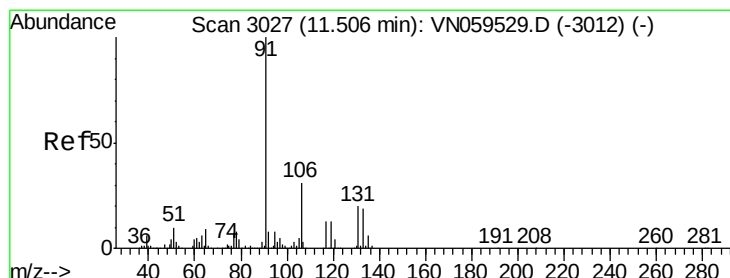
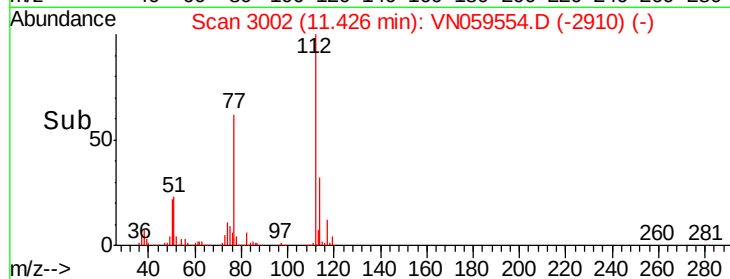
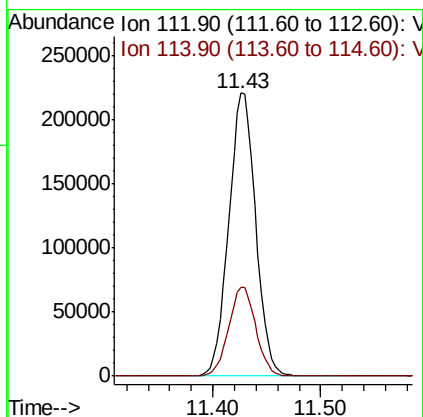
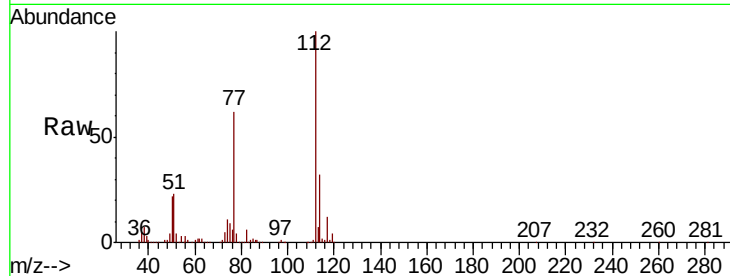




#65
Chlorobenzene
Concen: 43.889 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

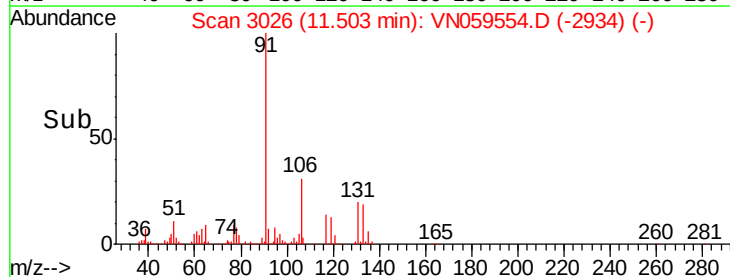
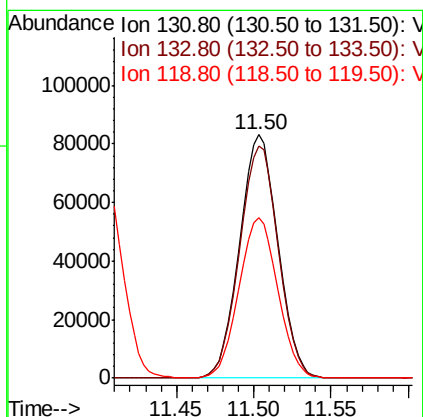
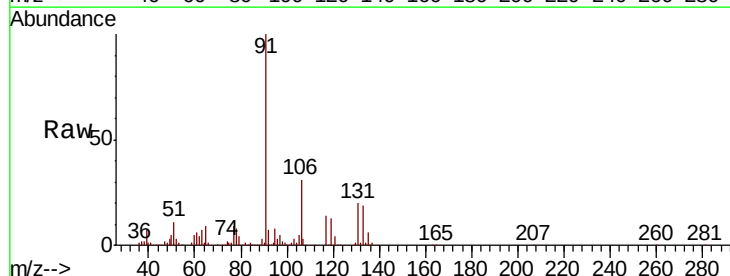
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

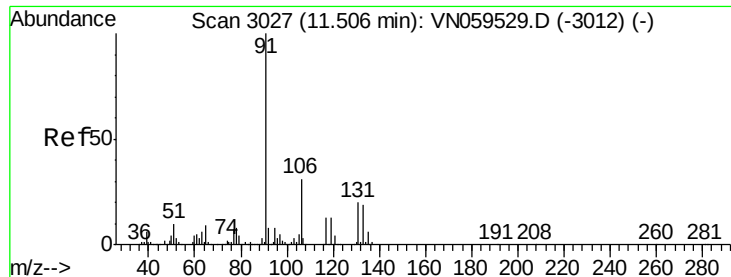
Tot Ion:112 Resp: 383555
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 44.024 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion:131 Resp: 143492
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 66.8 33.4 100.2

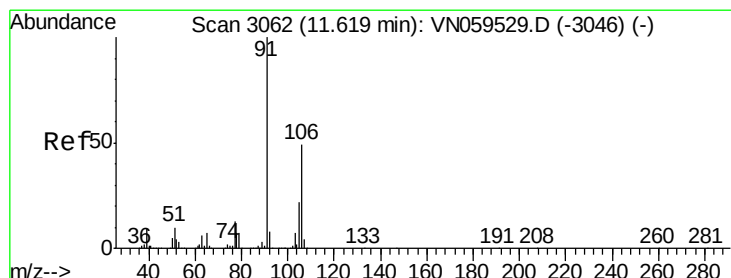
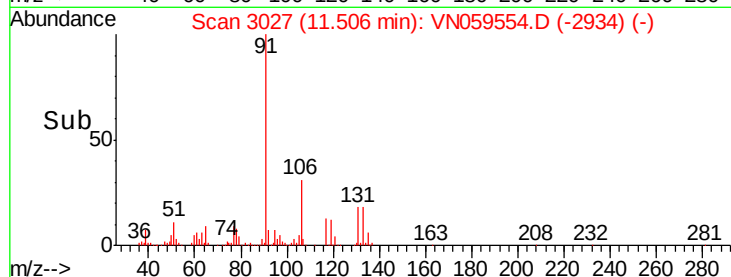
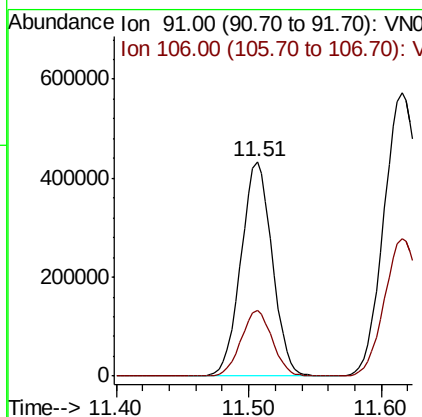
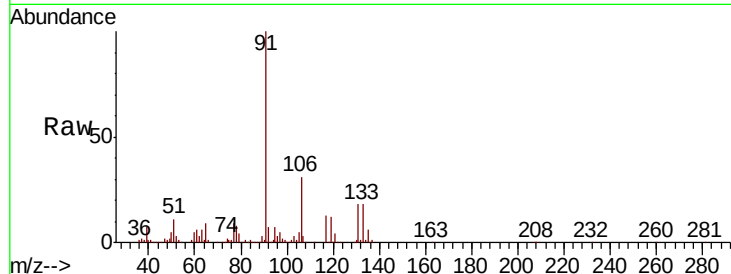




#67
Ethyl Benzene
Concen: 44.961 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

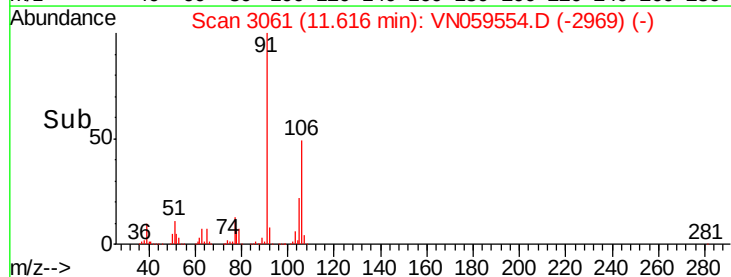
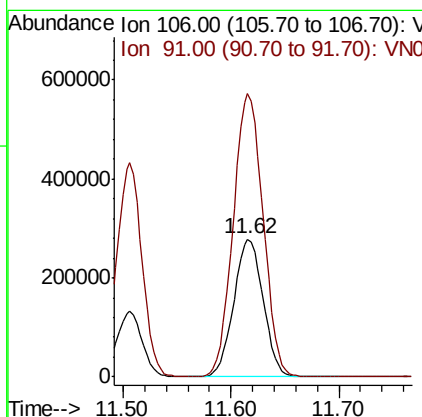
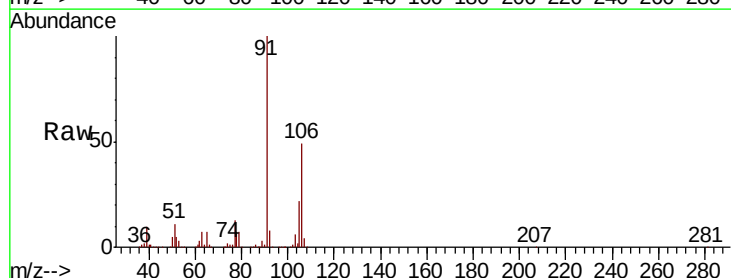
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

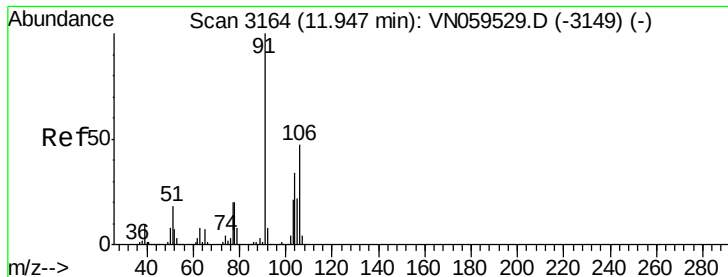
Tot Ion: 91 Resp: 707059
Ion Ratio Lower Upper
91 100
106 30.8 24.5 36.7



#68
m/p-Xylenes
Concen: 89.443 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion: 106 Resp: 527652
Ion Ratio Lower Upper
106 100
91 209.1 162.9 244.3

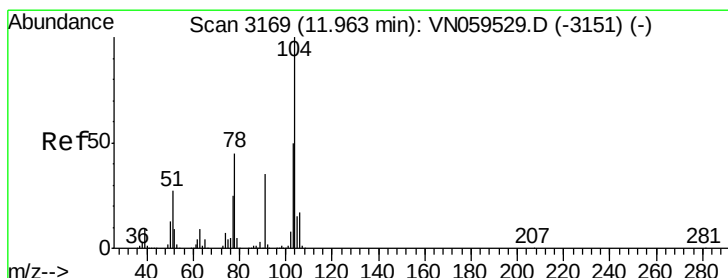
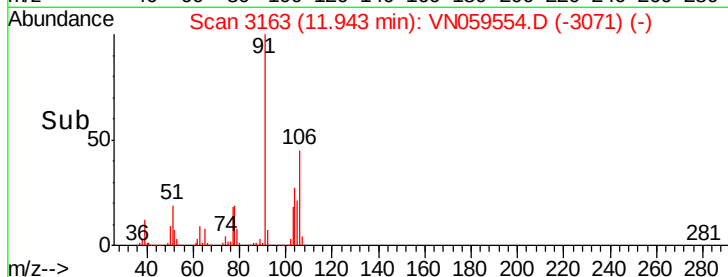
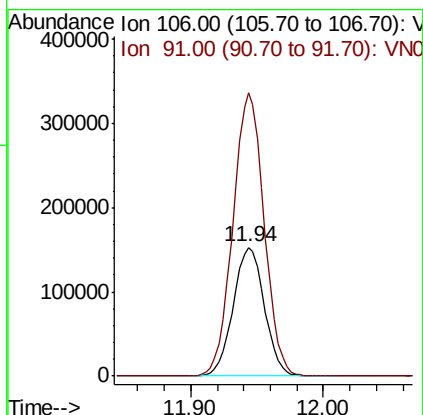
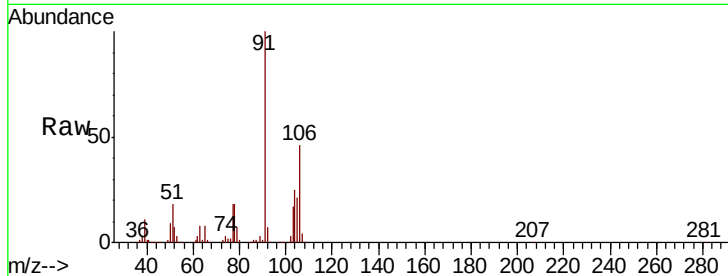




#69
o-Xylene
Concen: 45.428 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

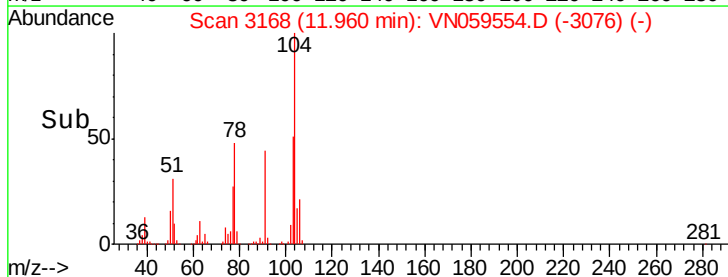
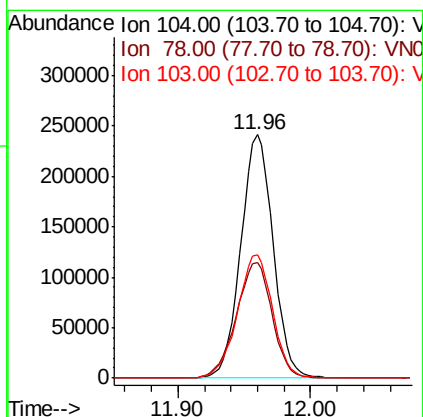
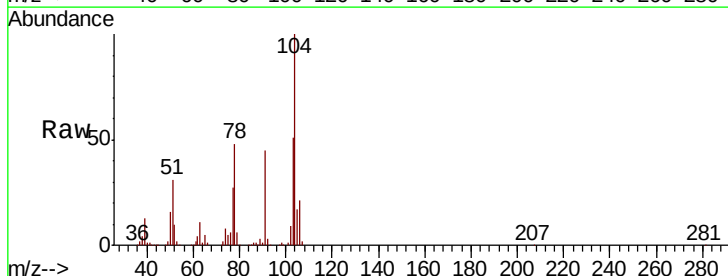
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

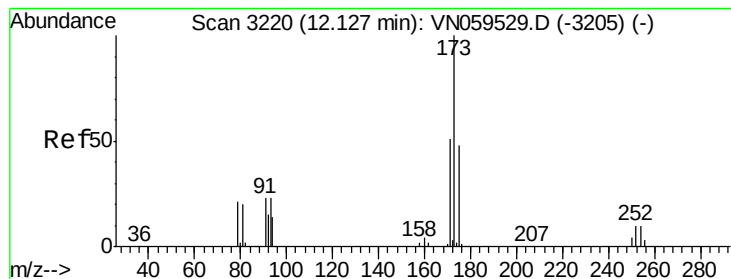
Tot Ion:106 Resp: 249440
Ion Ratio Lower Upper
106 100
91 219.3 106.7 319.9



#70
Styrene
Concen: 44.982 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion:104 Resp: 409190
Ion Ratio Lower Upper
104 100
78 52.7 40.6 60.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 43.832 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

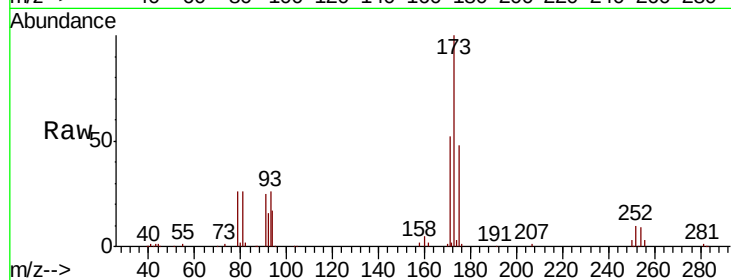
Tot Ion:173 Resp: 112412

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.4

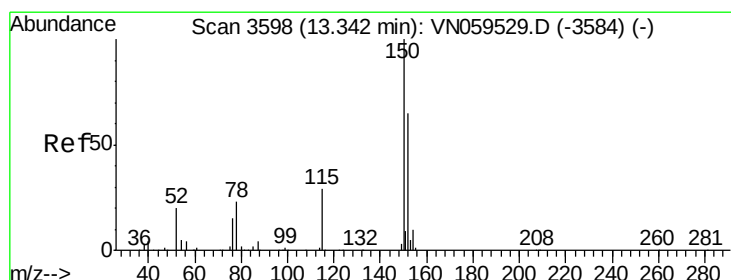
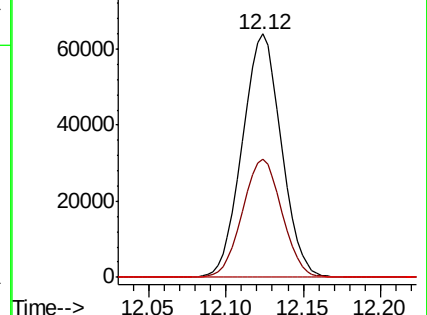
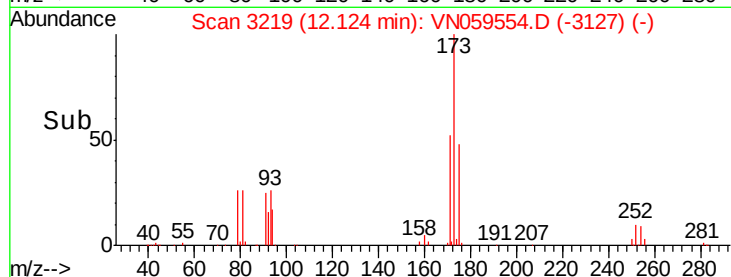
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

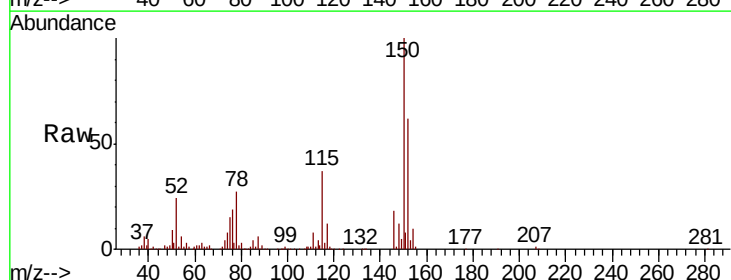
Tgt Ion:152 Resp: 205744

Ion Ratio Lower Upper

152 100

115 61.0 29.4 88.2

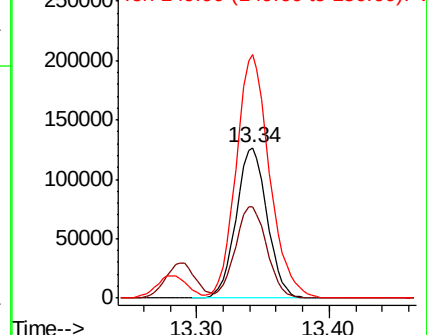
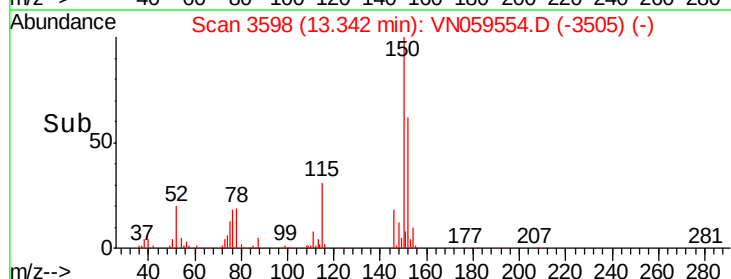
150 174.3 0.0 342.4

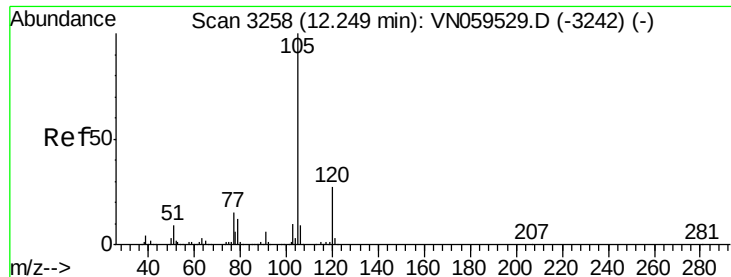


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.189 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

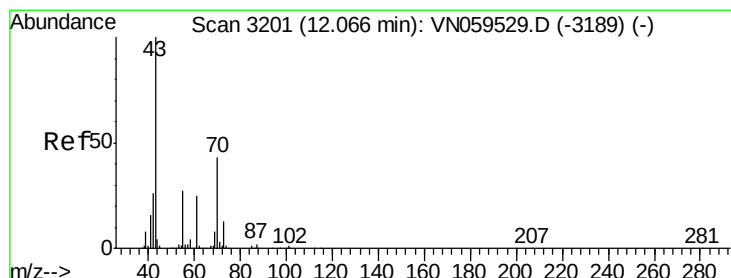
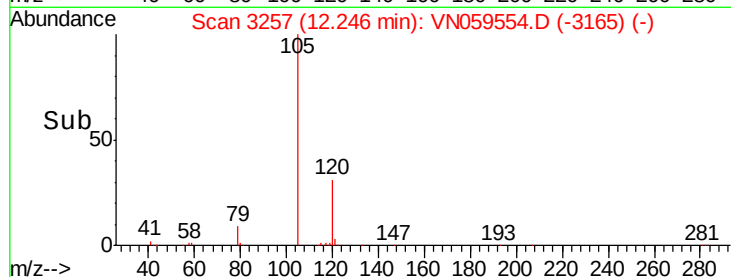
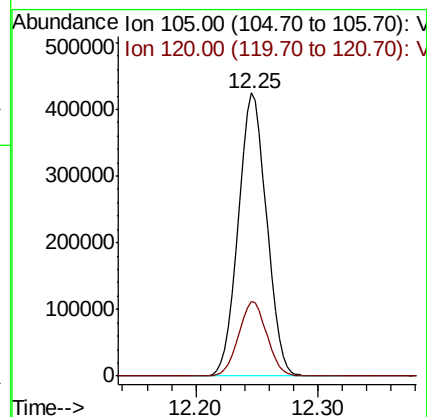
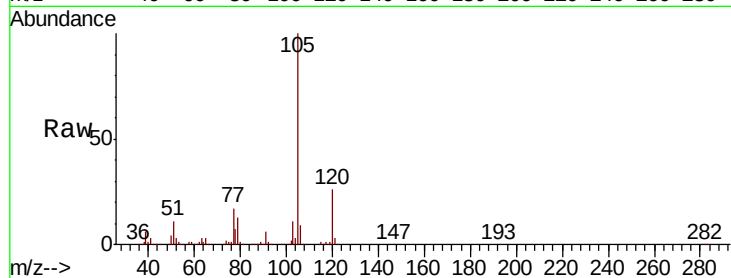
VSTDCCC050

Tot Ion:105 Resp: 681967

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



#74

N-ethyl acetate

Concen: 46.316 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Tgt Ion: 43 Resp: 311363

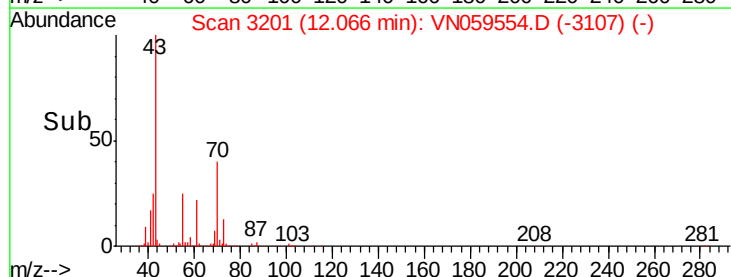
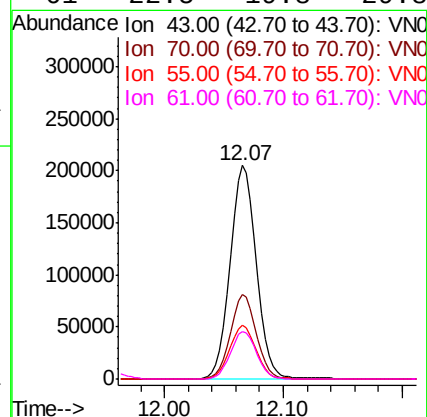
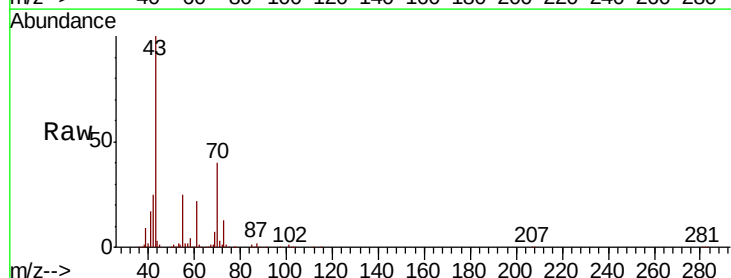
Ion Ratio Lower Upper

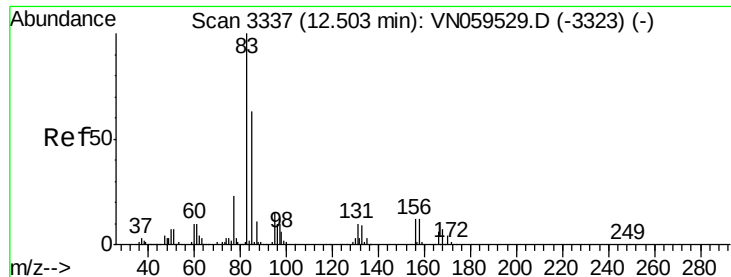
43 100

70 39.2 34.2 51.4

55 25.5 21.3 31.9

61 22.5 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 41.351 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

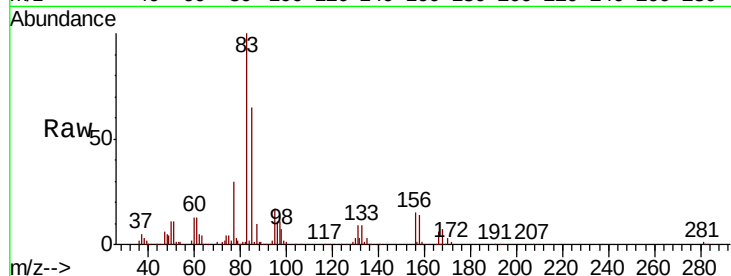
Tot Ion: 83 Resp: 216243

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

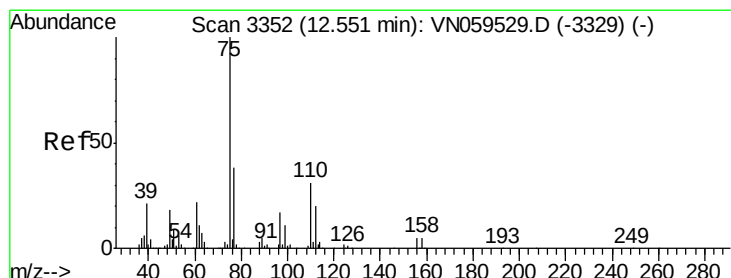
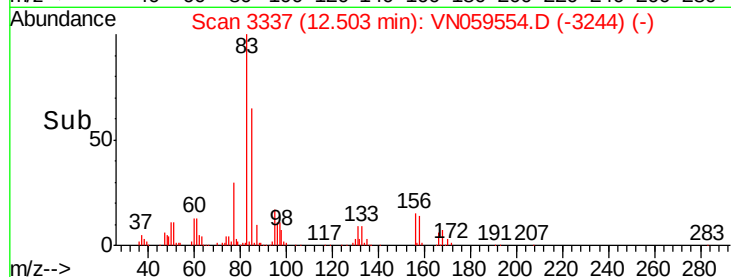
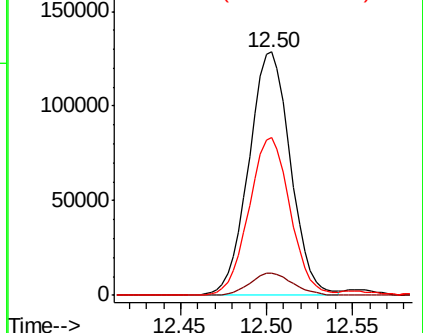
85 64.2 31.6 95.0



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: 58.392 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059554.D

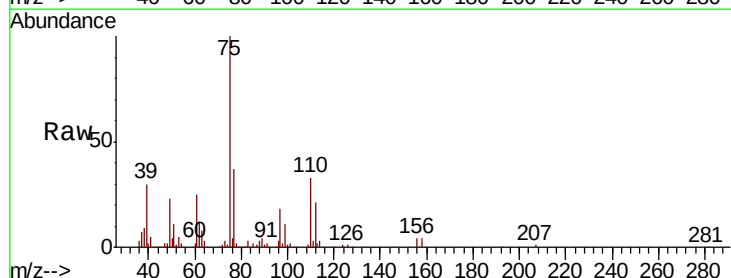
Acq: 11 Dec 2019 11:22

Tgt Ion: 75 Resp: 307225

Ion Ratio Lower Upper

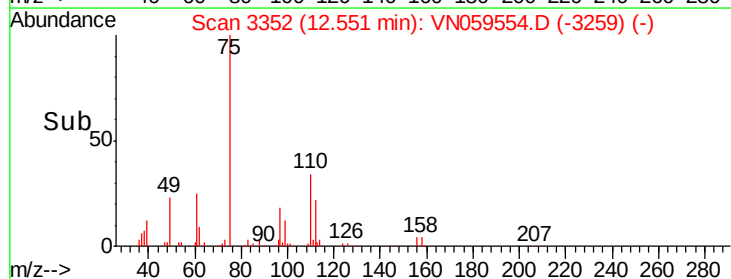
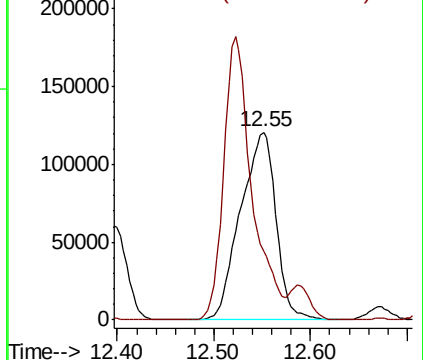
75 100

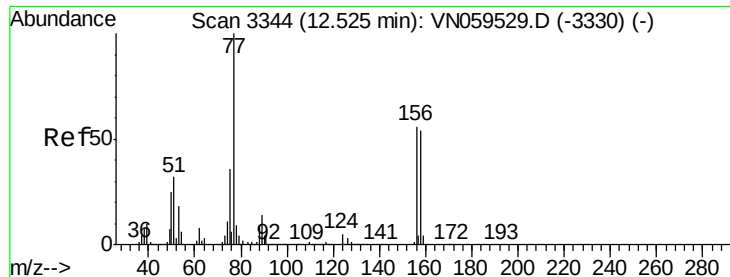
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 41.827 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

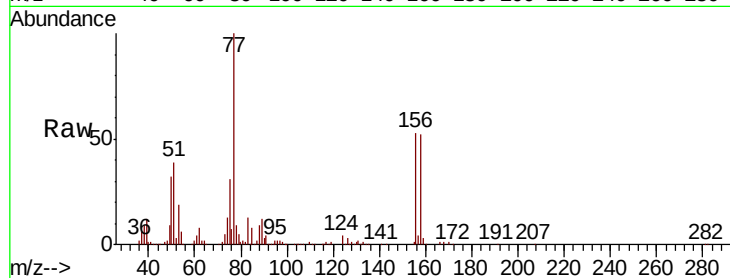
Tot Ion:156 Resp: 160706

Ion Ratio Lower Upper

156 100

77 230.6 109.3 327.8

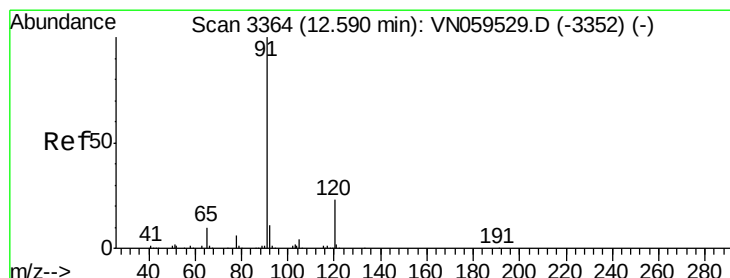
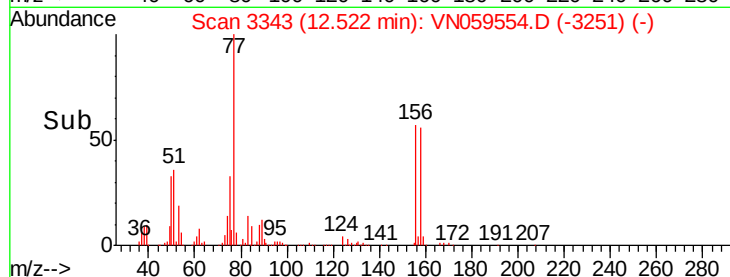
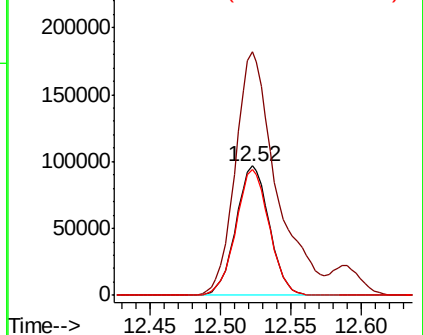
158 97.1 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.724 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059554.D

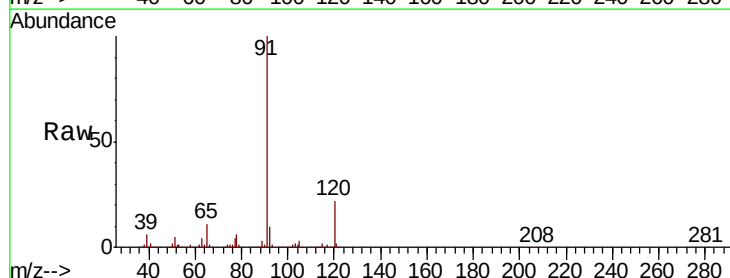
Acq: 11 Dec 2019 11:22

Tgt Ion: 91 Resp: 829213

Ion Ratio Lower Upper

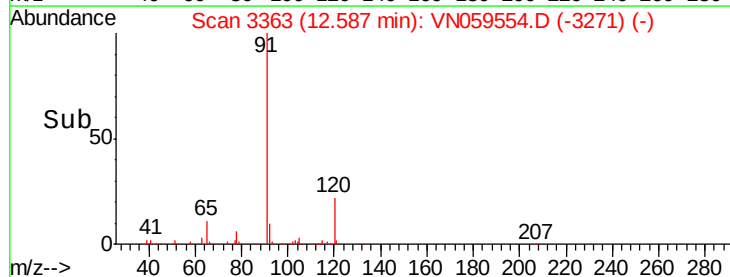
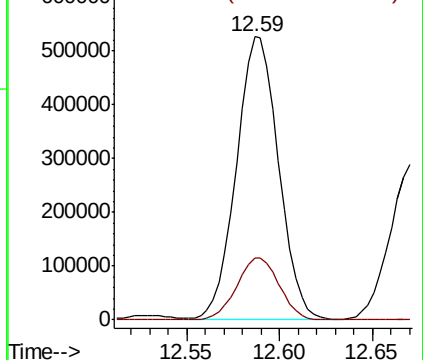
91 100

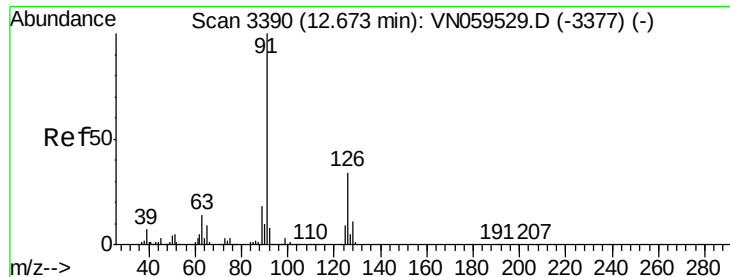
120 22.2 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.207 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

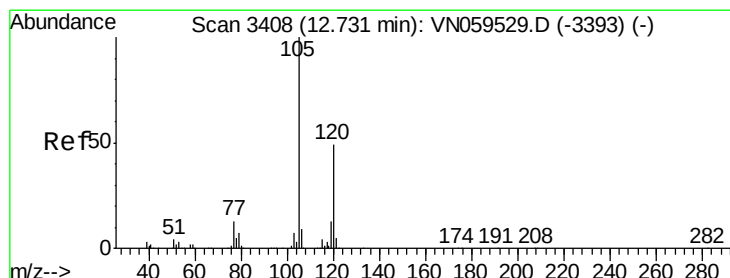
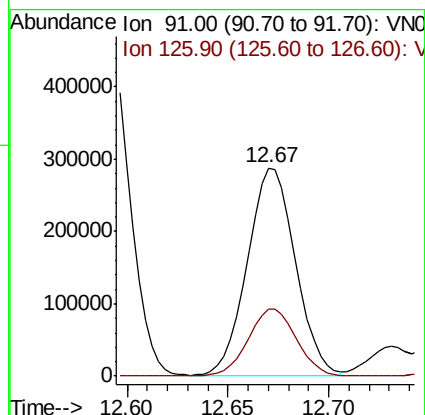
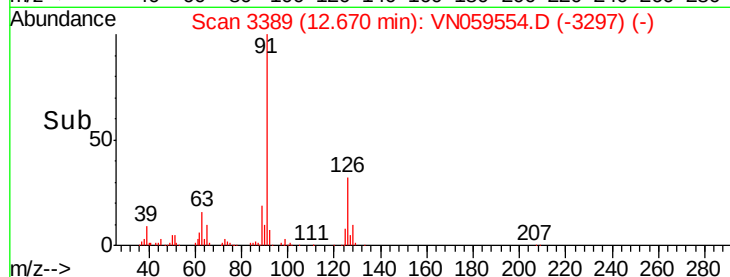
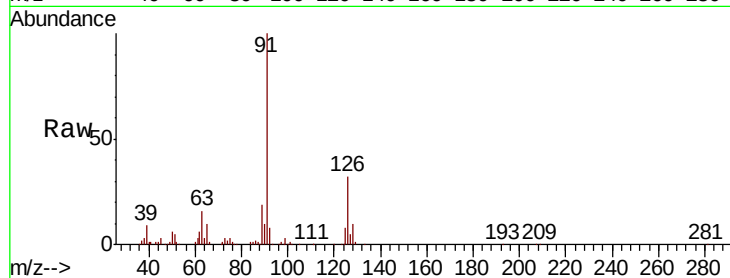
VSTDCCC050

Tot Ion: 91 Resp: 477292

Ion Ratio Lower Upper

91 100

126 32.8 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 44.066 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059554.D

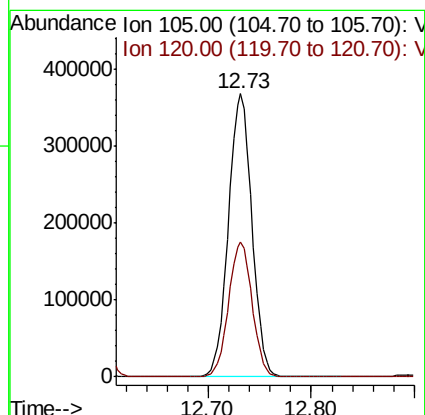
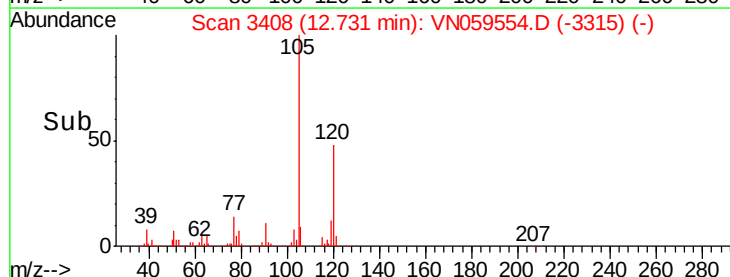
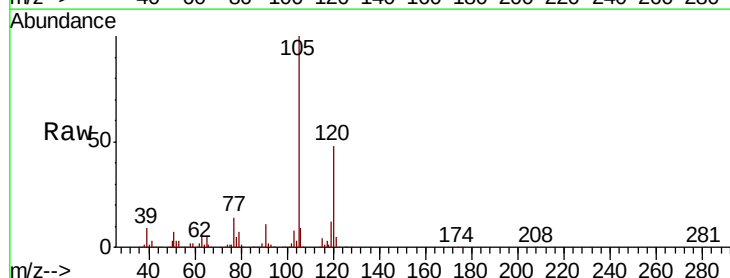
Acq: 11 Dec 2019 11:22

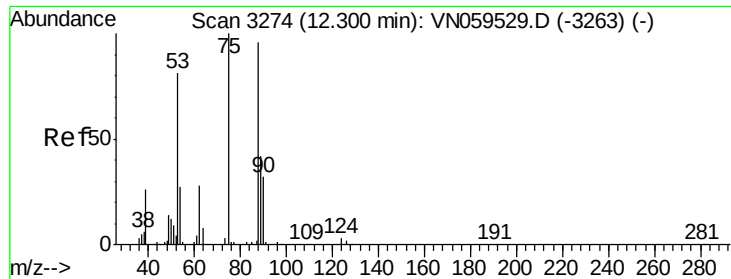
Tgt Ion: 105 Resp: 583178

Ion Ratio Lower Upper

105 100

120 48.0 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 42.624 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

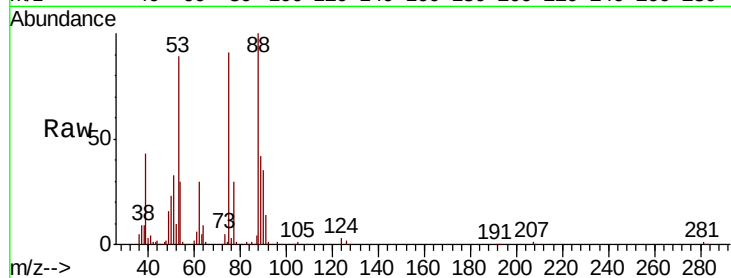
Tot Ion: 75 Resp: 83353

Ion Ratio Lower Upper

75 100

53 97.9 67.0 100.6

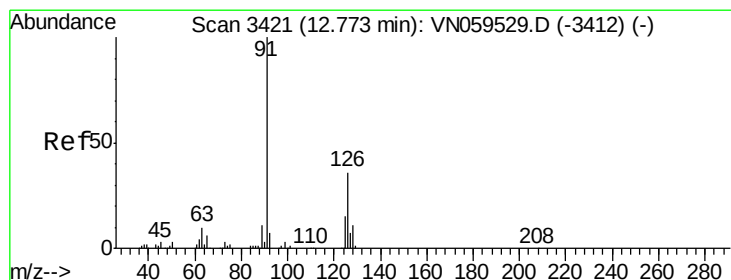
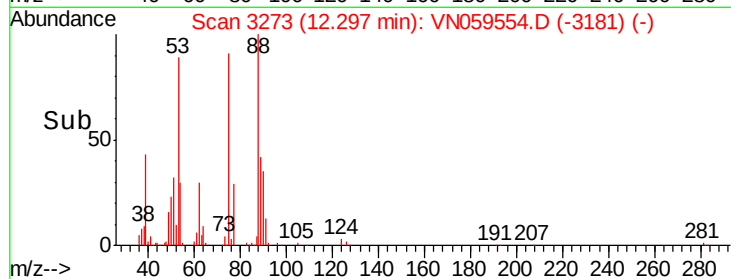
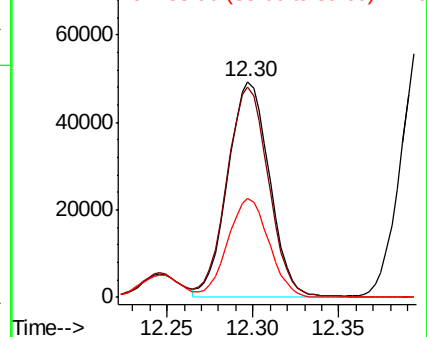
89 45.1 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 43.661 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059554.D

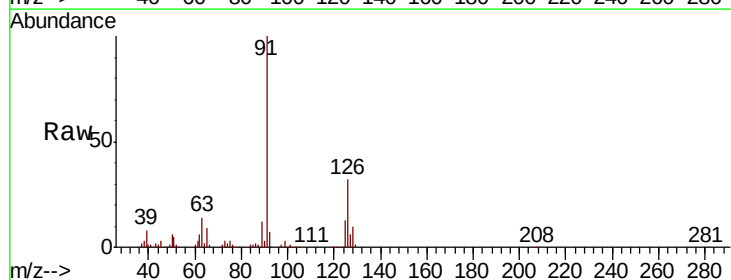
Acq: 11 Dec 2019 11:22

Tgt Ion: 91 Resp: 504855

Ion Ratio Lower Upper

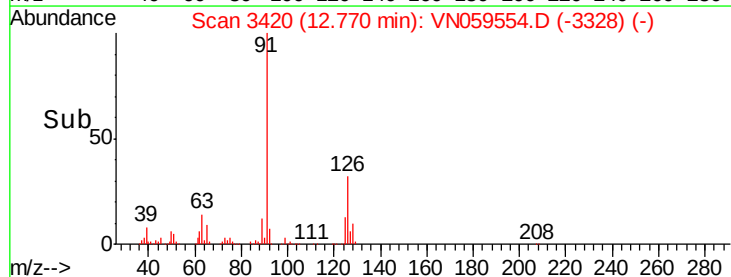
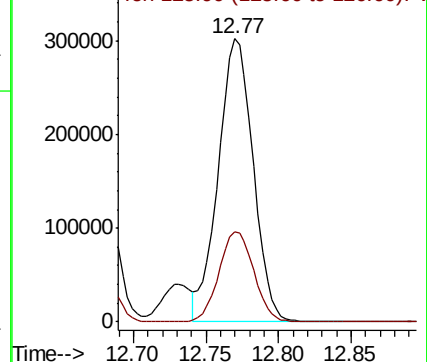
91 100

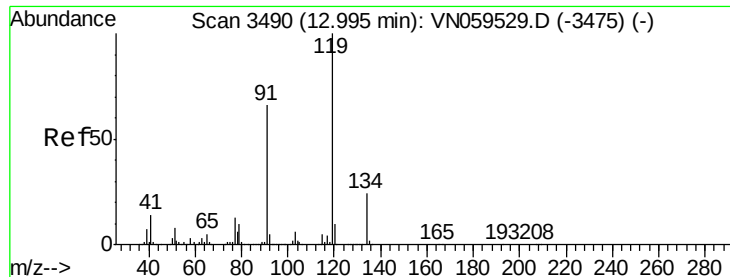
126 31.9 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 44.242 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

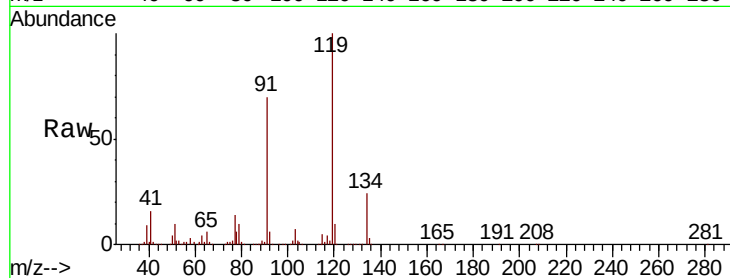
Tot Ion:119 Resp: 488255

Ion Ratio Lower Upper

119 100

91 68.7 32.8 98.4

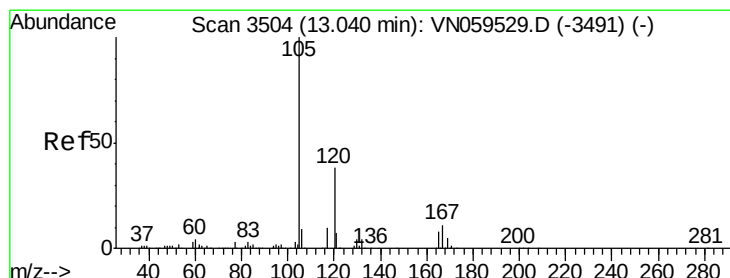
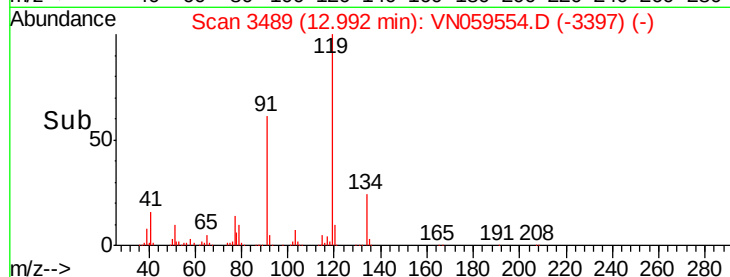
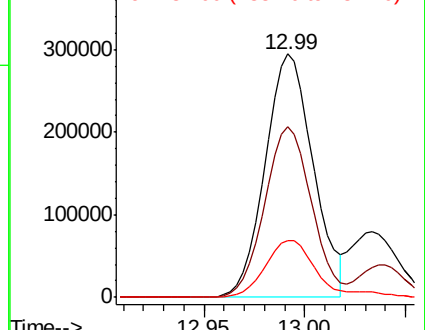
134 25.4 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.273 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059554.D

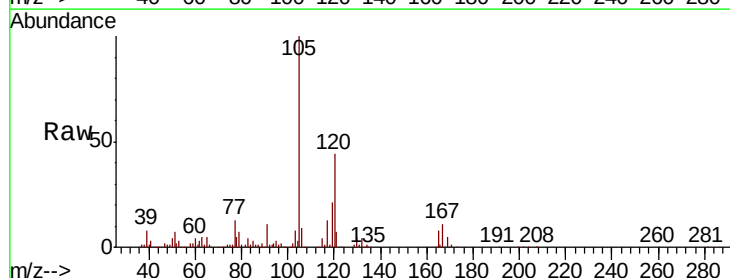
Acq: 11 Dec 2019 11:22

Tgt Ion:105 Resp: 591612

Ion Ratio Lower Upper

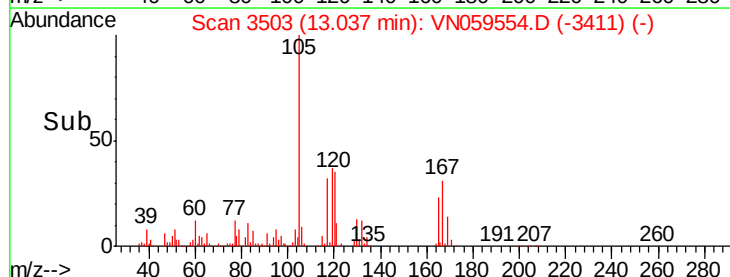
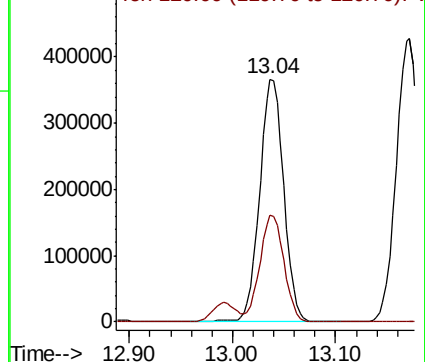
105 100

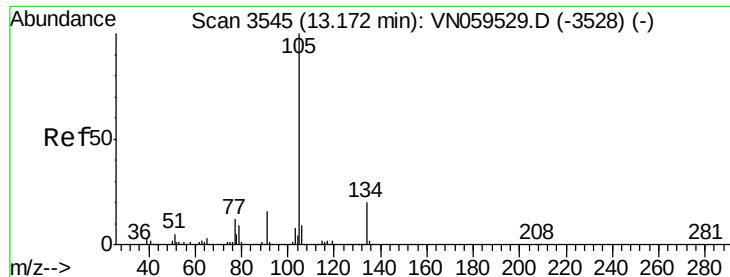
120 43.9 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.899 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

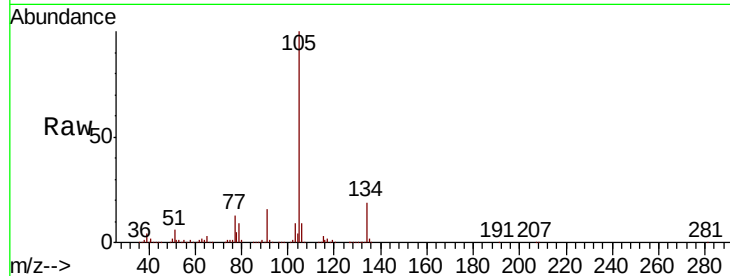
VSTDCCC050

Tot Ion:105 Resp: 680606

Ion Ratio Lower Upper

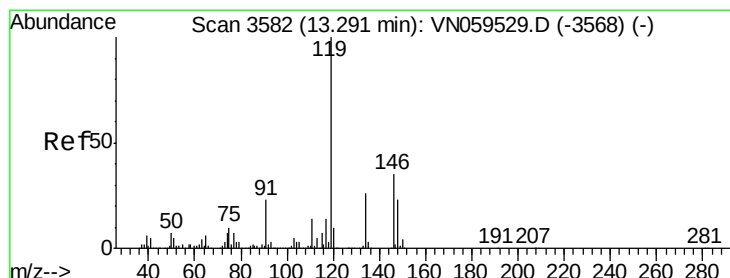
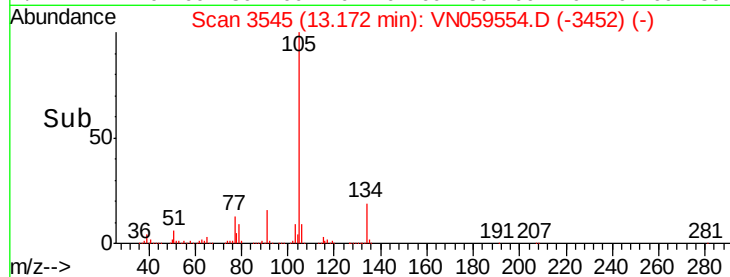
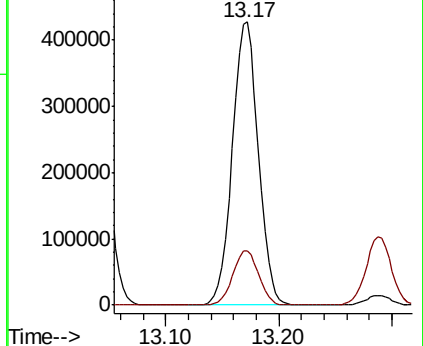
105 100

134 19.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.803 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

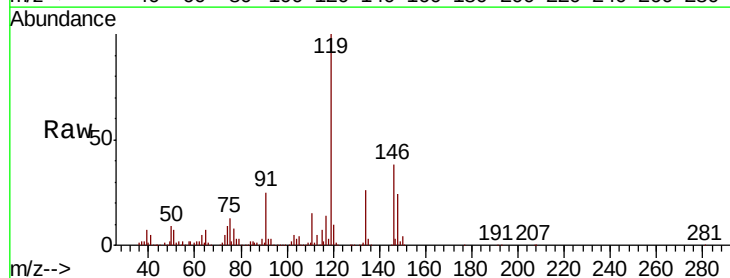
Tgt Ion:119 Resp: 620555

Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

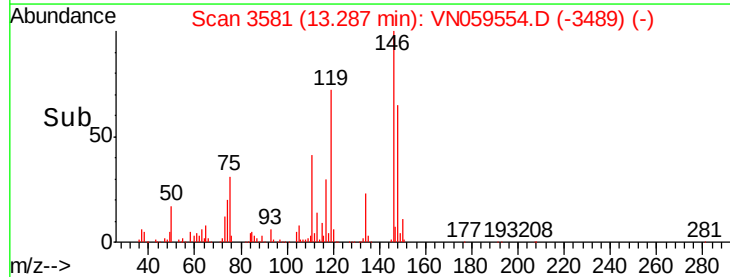
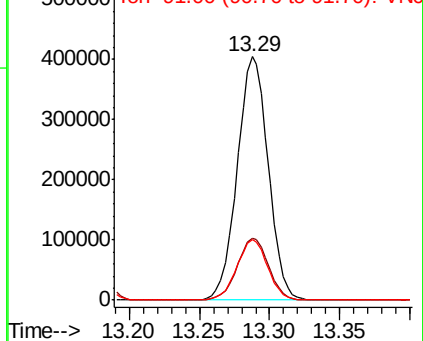
91 24.7 11.7 35.1

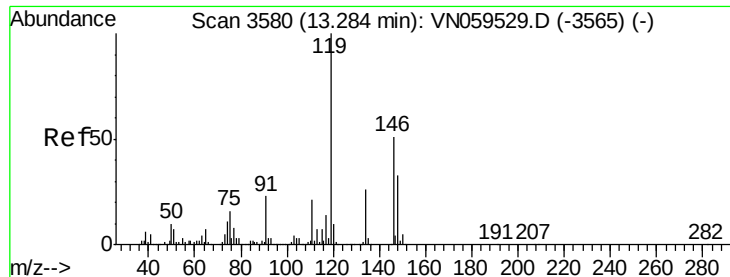


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 42.542 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

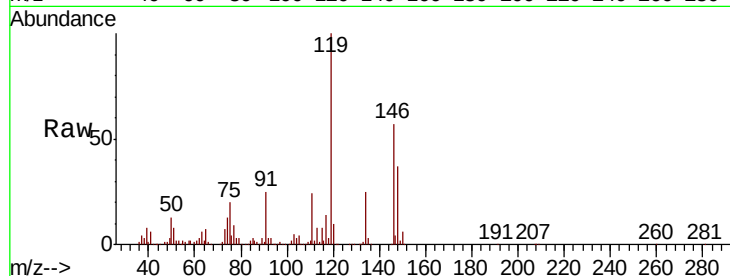
Tot Ion:146 Resp: 301063

Ion Ratio Lower Upper

146 100

111 41.7 20.6 61.8

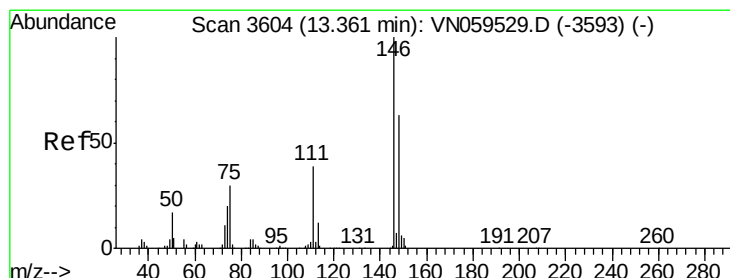
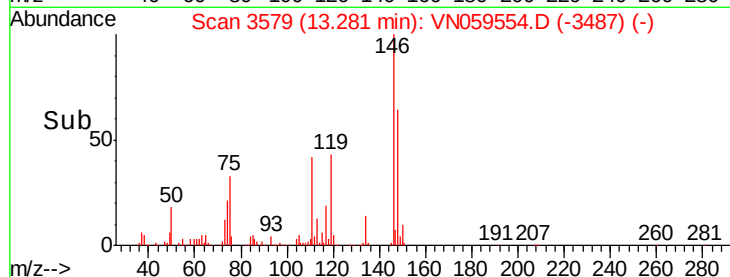
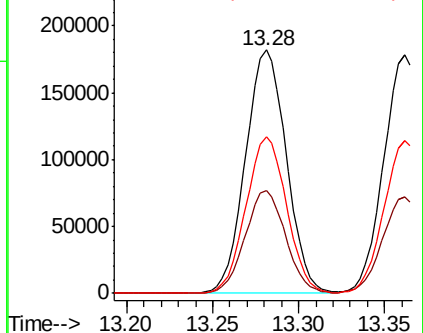
148 63.9 32.0 96.0



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: 42.817 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

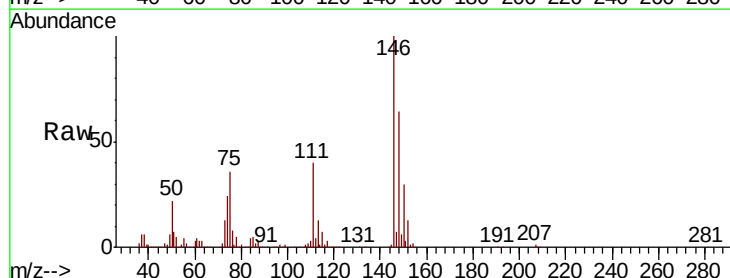
Tgt Ion:146 Resp: 296694

Ion Ratio Lower Upper

146 100

111 41.2 20.0 59.9

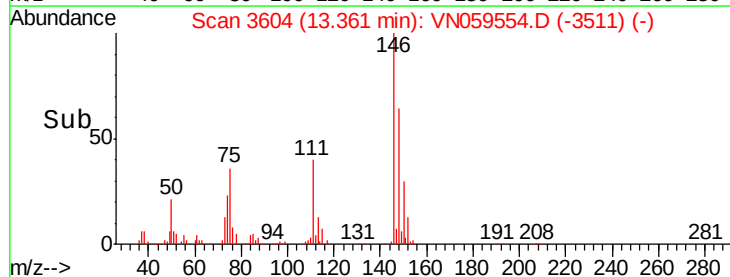
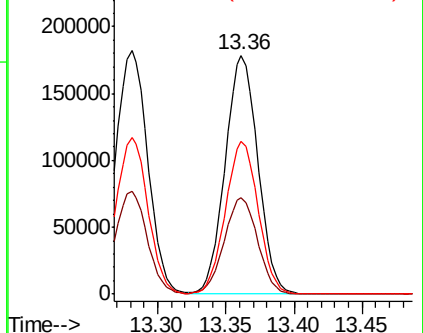
148 64.4 31.9 95.7

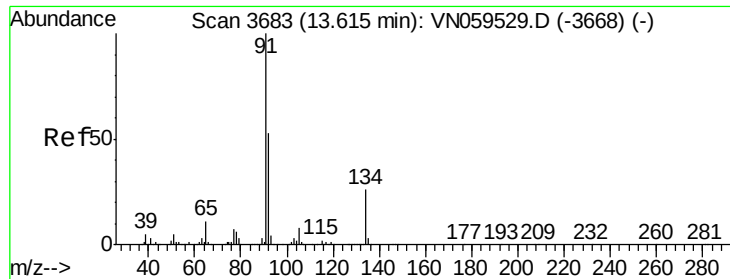


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.428 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059554.D

Acq: 11 Dec 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

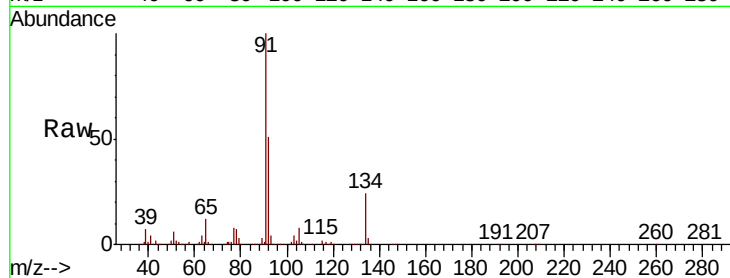
Tot Ion: 91 Resp: 590629

Ion Ratio Lower Upper

91 100

92 51.4 26.3 78.9

134 24.2 12.8 38.4

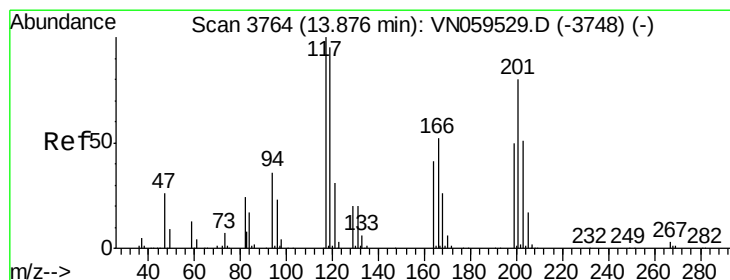
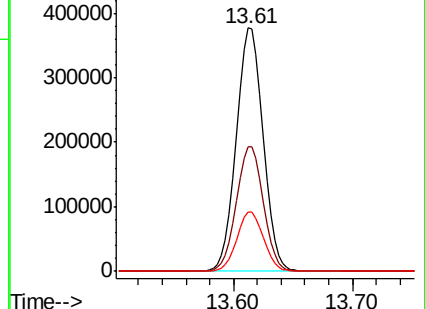
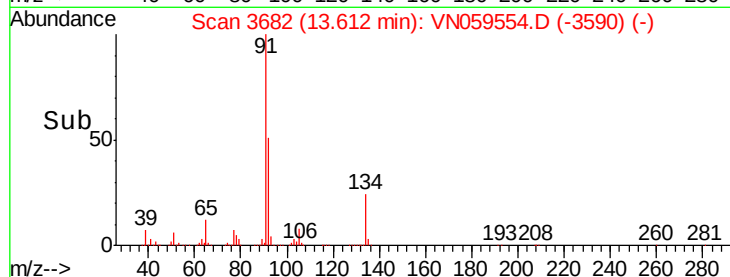


Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059529.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059529.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 46.546 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN059554.D

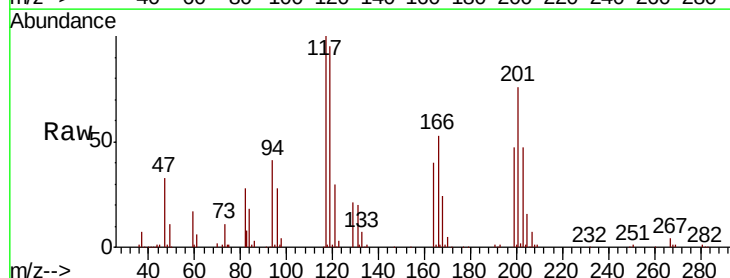
Acq: 11 Dec 2019 11:22

Tgt Ion: 117 Resp: 115812

Ion Ratio Lower Upper

117 100

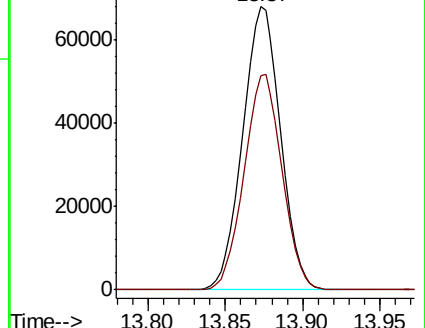
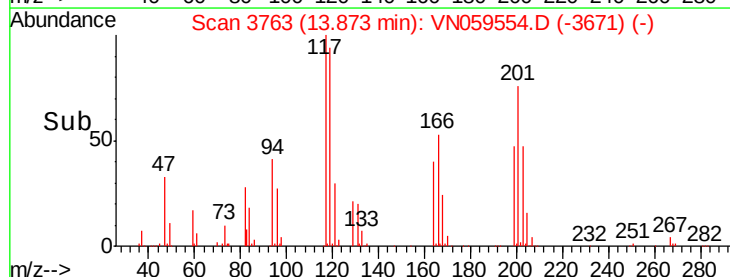
201 75.9 40.5 121.5

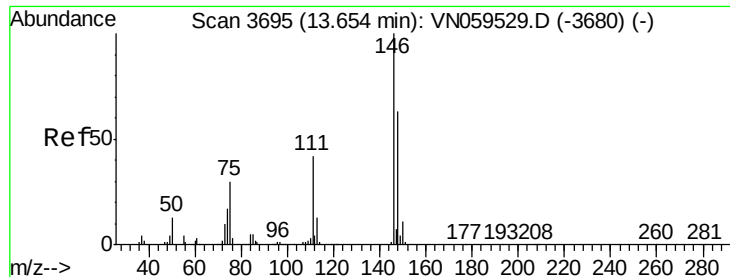


Abundance Ion 116.80 (116.50 to 117.50): VN059529.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN059529.D (-3748) (-)

Time-->

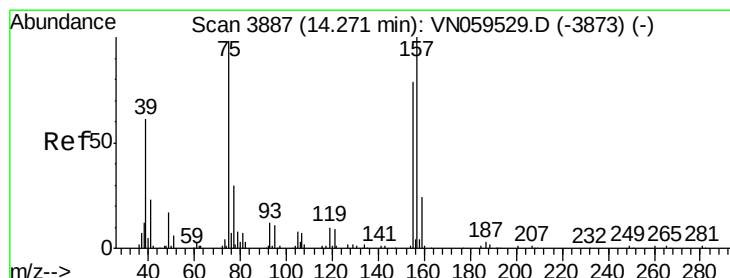
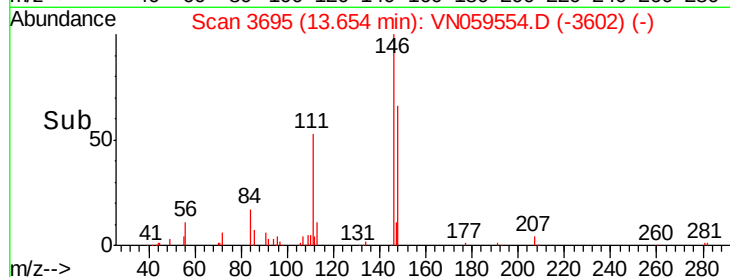
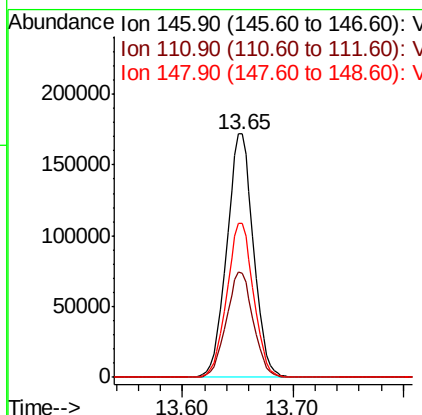
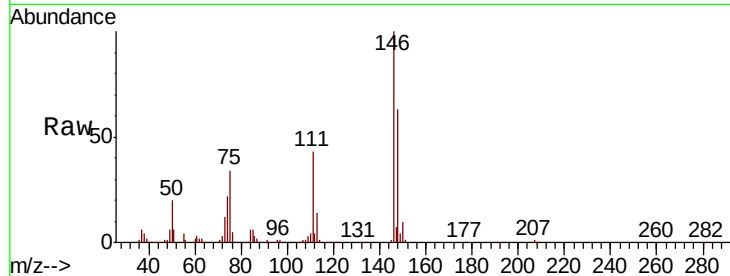




#91
 1,2-Dichlorobenzene
 Concen: 43.300 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

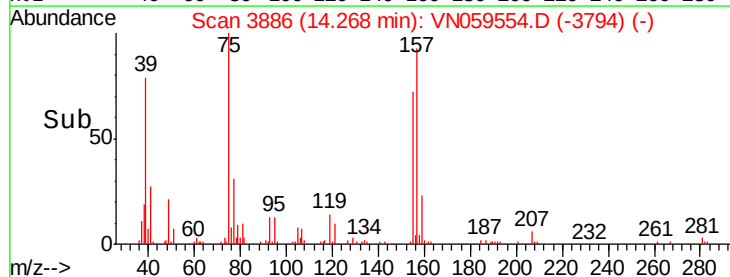
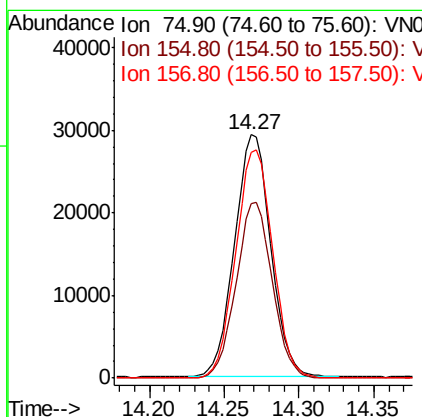
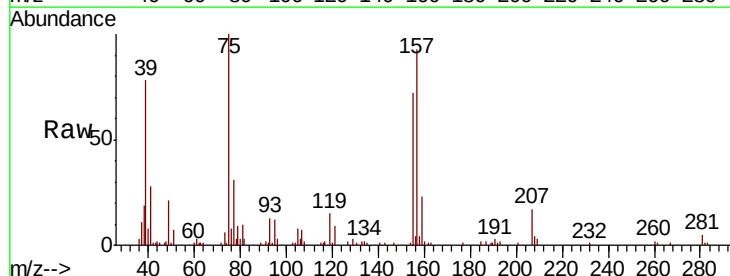
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

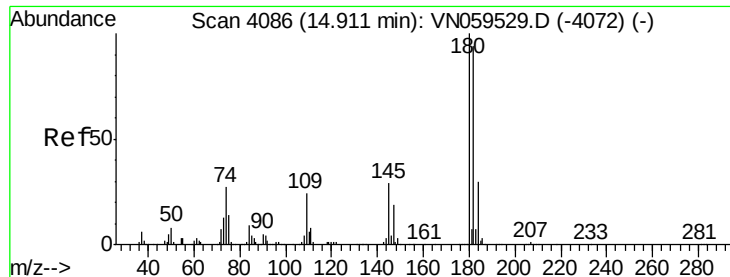
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.9	62.7
148	63.5	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.482 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	40.4	121.1
157	96.4	51.1	153.3

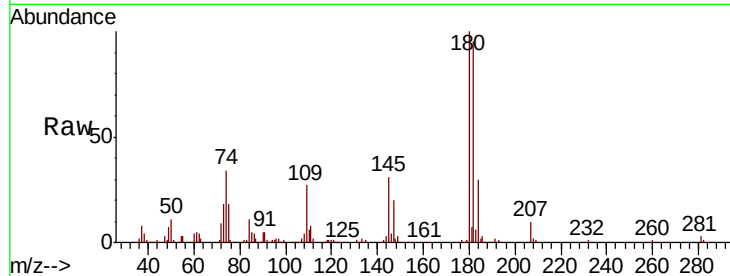




#93
 1,2,4-Trichlorobenzene
 Concen: 40.569 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	30.5	14.9	44.7

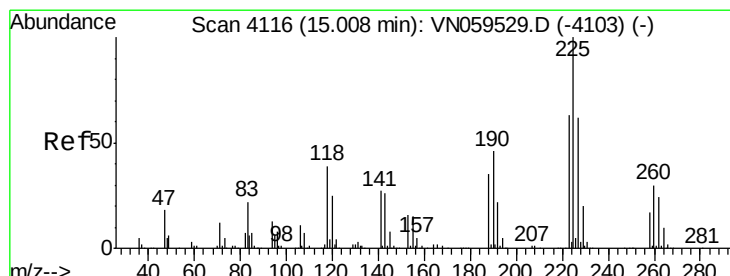
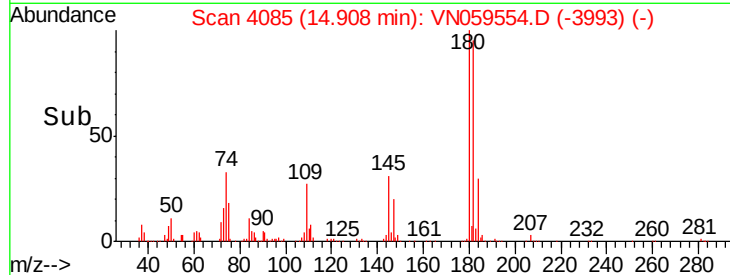
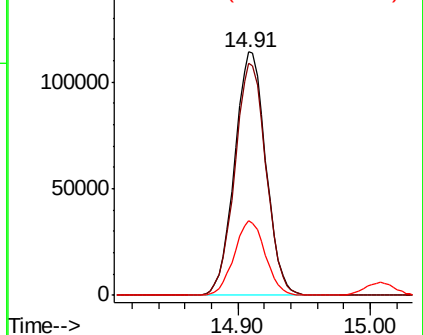


Abundance

Ion 179.80 (179.50 to 180.50): V

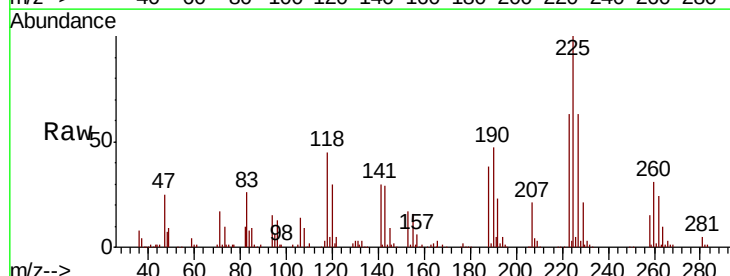
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 42.852 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059554.D
 Acq: 11 Dec 2019 11:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.9
227	64.3	31.6	95.0

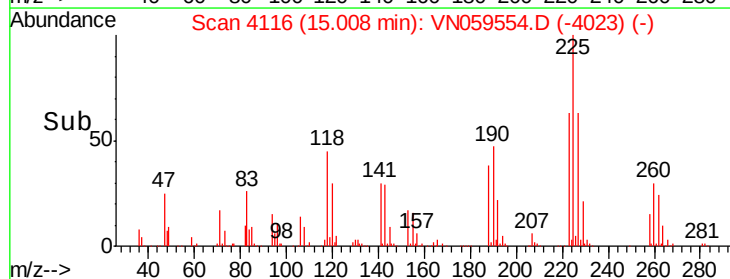
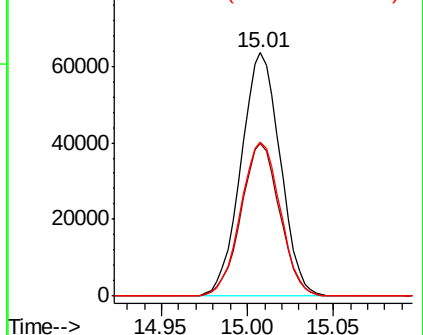


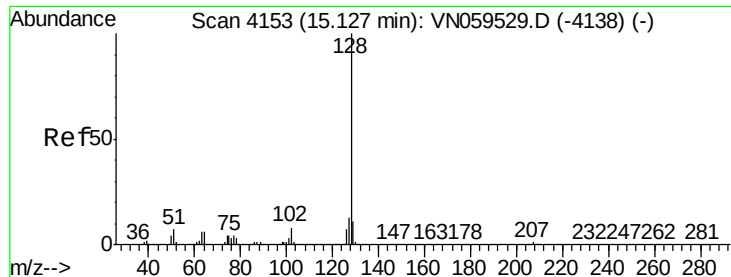
Abundance

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

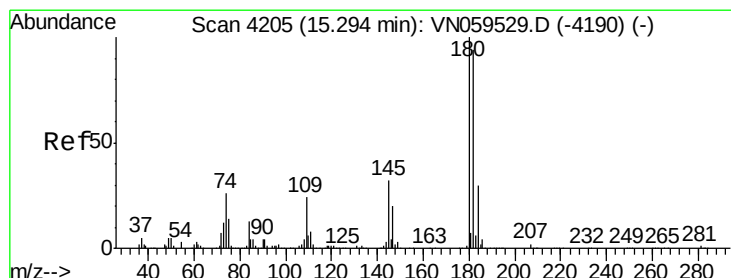
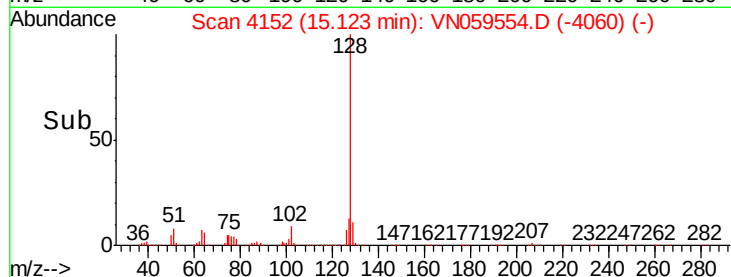
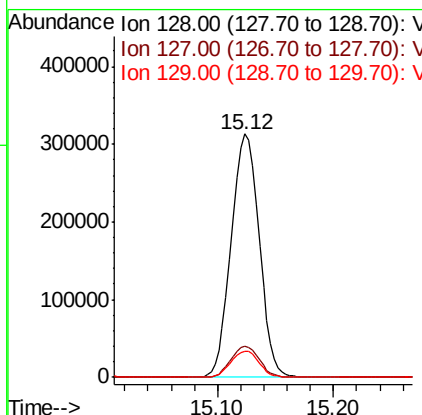
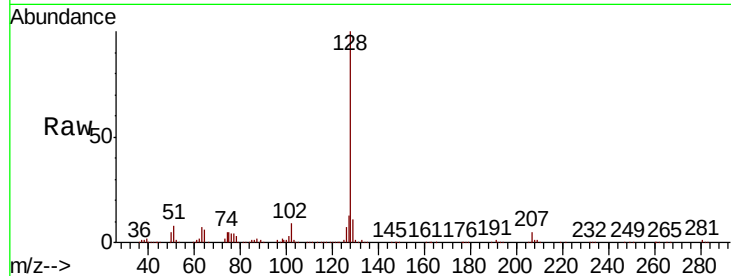




#95
Naphthalene
Concen: 39.000 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 523653
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 40.193 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059554.D
Acq: 11 Dec 2019 11:22

Tgt Ion:180 Resp: 177607
Ion Ratio Lower Upper
180 100
182 95.2 47.1 141.4
145 32.4 15.8 47.4

