

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057348.D
 Acq On : 16 Aug 2019 11:53
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Aug 16 12:19:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 11:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	153492	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	831757	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	718199	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	297708	28.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.43%
60) 4-Bromofluorobenzene	12.40	95	310659	28.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.20%
63) Toluene-d8	10.09	98	994265	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	170834	19.587	ug/l 100
3) Chloromethane	2.05	50	185803	15.929	ug/l 98
4) Vinyl Chloride	2.18	62	180632	15.744	ug/l 99
5) Bromomethane	2.54	94	141117m	19.514	ug/l
6) Chloroethane	2.70	64	122361	18.665	ug/l 100
7) Trichlorofluoromethane	3.02	101	289732	19.689	ug/l 100
8) Diethyl Ether	3.40	74	104075	17.294	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	172880	18.840	ug/l 96
10) 1,1-Dichloroethene	3.73	96	167297	18.481	ug/l 92
11) Methyl Iodide	3.95	142	277907	23.100	ug/l 99
12) Methyl Acetate	4.31	43	182690	15.076	ug/l 100
13) Acrolein	3.60	56	79110	92.596	ug/l 99
14) Acrylonitrile	4.98	53	371390	69.572	ug/l 100
15) Acetone	3.80	58	117132	63.566	ug/l 99
16) Carbon Disulfide	4.05	76	448573	18.787	ug/l 100
17) Allyl chloride	4.31	41	237444	14.994	ug/l 97
18) Methylene Chloride	4.54	84	192048	18.069	ug/l 91
19) trans-1,2-Dichloroethene	5.03	96	179184	18.489	ug/l 93
20) Diisopropyl ether	5.94	45	511065	16.197	ug/l 94
21) 1,1-Dichloroethane	5.84	63	317237	17.596	ug/l 97
22) cis-1,2-Dichloroethene	6.82	96	209883	18.521	ug/l 97
23) tert-Butyl Alcohol	4.76	59	129801	69.705	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	510563	17.682	ug/l 99
25) Chloroform	7.36	83	329748	18.773	ug/l 99
26) Cyclohexane	7.65	56	263521	15.725	ug/l # 92
29) 1,1-Dichloropropene	7.79	75	245131	18.541	ug/l 98
30) 2-Butanone	6.82	43	485148	63.377	ug/l 95
31) 2,2-Dichloropropane	6.81	77	272112	21.266	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	295381	20.959	ug/l 96
33) Carbon Tetrachloride	7.77	117	257349	21.220	ug/l 99
34) Benzene	8.03	78	748403	18.423	ug/l 99
35) Methacrylonitrile	7.17	41	109320m	18.694	ug/l
36) 1,2-Dichloroethane	8.12	62	237805	18.223	ug/l 98
37) Trichloroethene	8.83	130	216740	19.645	ug/l 94
38) Methylcyclohexane	9.08	83	292404	17.507	ug/l 96
39) 1,2-Dichloropropane	9.11	63	191296	17.544	ug/l 99
40) Dibromomethane	9.20	93	127109	18.301	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	255325	19.947	ug/l	100
42) Vinyl Acetate	5.88	43	2052452	80.562	ug/l	98
43) Ethyl Acetate	6.91	43	196791	14.226	ug/l	98
44) Isopropyl Acetate	8.16	43	351115	16.274	ug/l #	87
45) 1,4-Dioxane	9.19	88	64229	294.261	ug/l	99
46) Methyl methacrylate	9.19	41	155034	14.957	ug/l	91
47) n-amyl Acetate	12.07	43	237447	13.457	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	273201	19.404	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	309871	19.509	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	185234	18.306	ug/l	98
51) Ethyl methacrylate	10.43	69	260622	16.745	ug/l	93
52) 1,3-Dichloropropane	10.71	76	303210	17.909	ug/l	99
53) Dibromochloromethane	10.90	129	211070	20.640	ug/l	98
54) 1,2-Dibromoethane	11.00	107	194917	18.535	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	272006	36.141	ug/l	96
56) Bromoform	12.13	173	149878	19.798	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	955232	70.666	ug/l	96
59) 2-Hexanone	10.75	43	683698	66.631	ug/l	97
61) Tetrachloroethene	10.63	164	226669	21.964	ug/l	97
62) Toluene	10.15	91	824136	19.537	ug/l	99
64) Chlorobenzene	11.43	112	504953	19.627	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	201278	21.339	ug/l	98
66) Ethyl Benzene	11.51	91	884804	19.405	ug/l	99
67) m/p-Xylenes	11.62	106	663045	38.532	ug/l	98
68) o-Xylene	11.95	106	325247	19.378	ug/l	96
69) Styrene	11.96	104	505122	18.163	ug/l	99
70) Isopropylbenzene	12.25	105	870121	19.778	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	238194	16.681	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	199822m	16.373	ug/l	
73) Bromobenzene	12.53	156	220129	19.147	ug/l	93
74) n-propylbenzene	12.59	91	861011	17.347	ug/l	98
75) 2-Chlorotoluene	12.67	91	553022	18.500	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	720797	19.208	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	70757	17.441	ug/l	89
78) 4-Chlorotoluene	12.77	91	481866	16.623	ug/l	97
79) tert-butylbenzene	12.99	119	638749	20.009	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	667968	17.949	ug/l	99
81) sec-Butylbenzene	13.17	105	755800	17.887	ug/l	99
82) p-Isopropyltoluene	13.29	119	657206	17.102	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	312559	16.312	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	277831	15.126	ug/l	98
85) n-Butylbenzene	13.62	91	507172	16.001	ug/l	99
86) Hexachloroethane	13.88	117	131035	21.733	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	302903	15.730	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27931	11.337	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	74115	7.156	ug/l	95
90) Hexachlorobutadiene	15.01	225	144838	21.508	ug/l	97
91) Naphthalene	15.13	128	139660	5.013	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	69043	6.357	ug/l	97

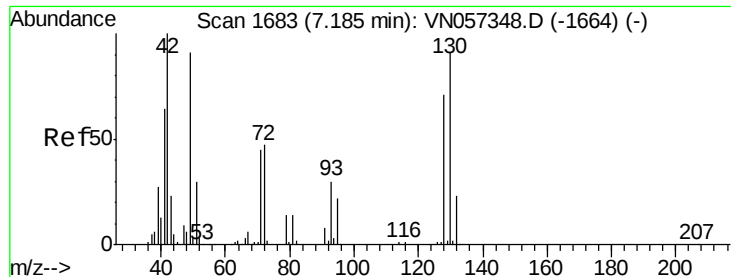
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

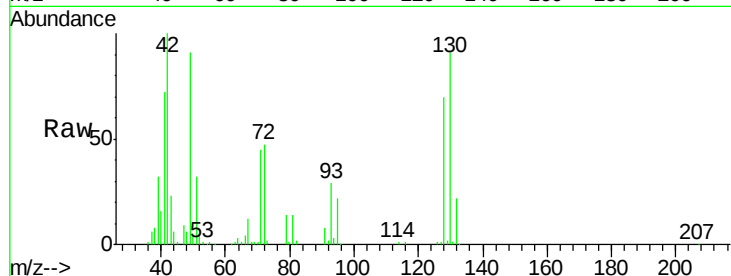
Tot Ion:128 Resp: 153492

Ion Ratio Lower Upper

128 100

49 130.1 0.0 390.5

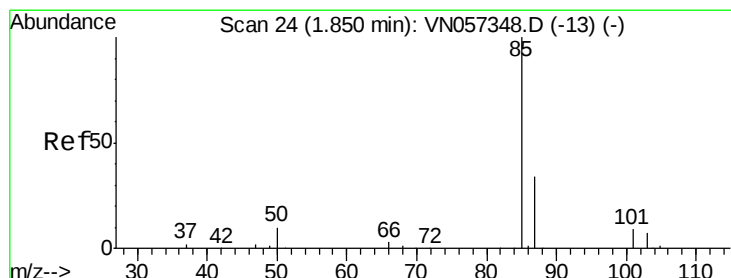
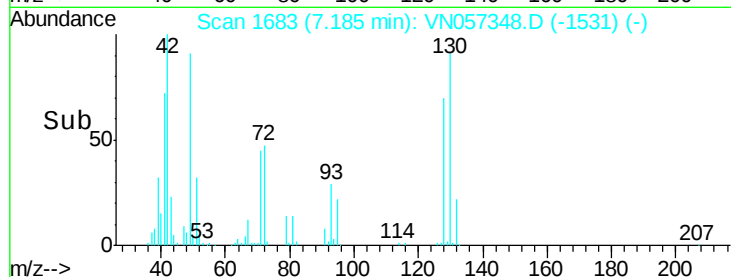
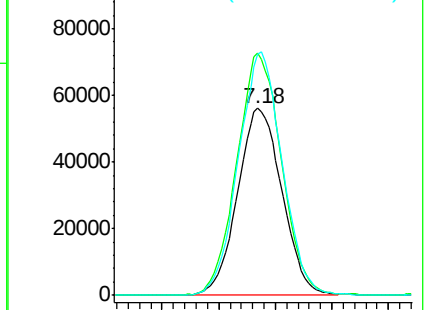
130 127.8 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.587 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057348.D

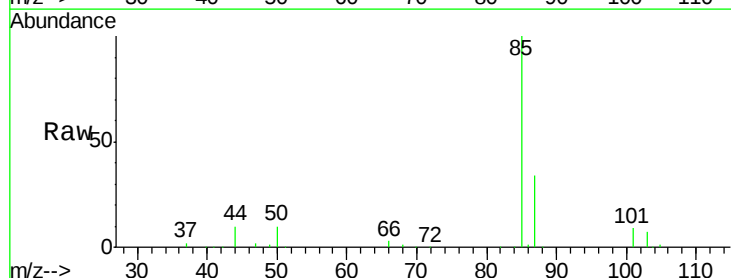
Acq: 16 Aug 2019 11:53

Tgt Ion: 85 Resp: 170834

Ion Ratio Lower Upper

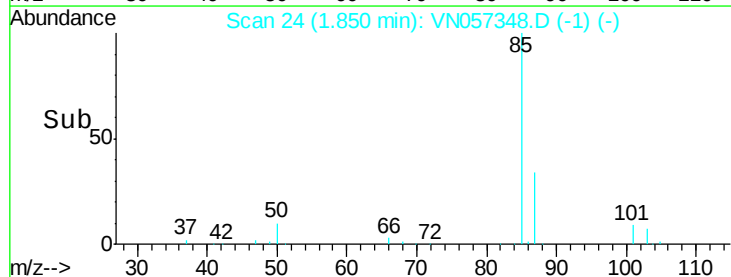
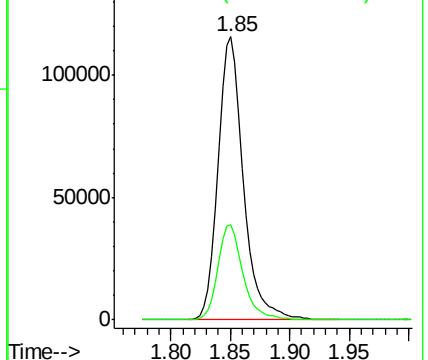
85 100

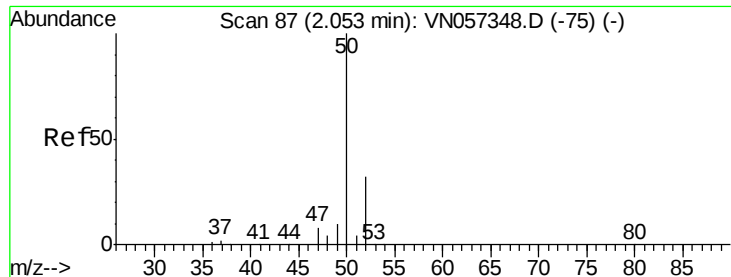
87 33.6 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 15.929 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

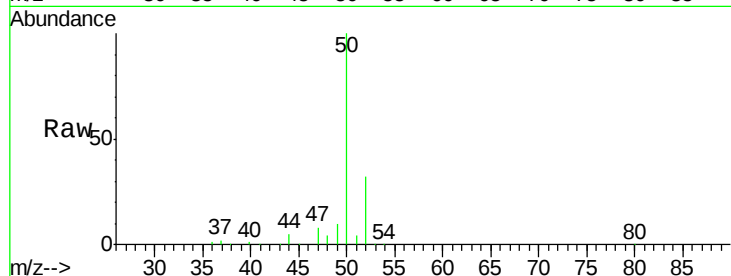
VSTDICCC020

Tot Ion: 50 Resp: 185803

Ion Ratio Lower Upper

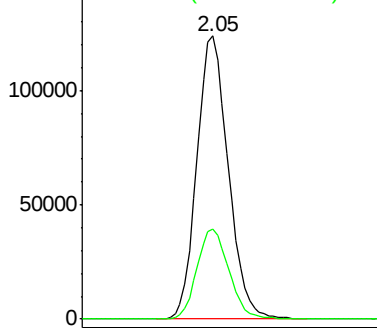
50 100

52 31.8 26.5 39.7

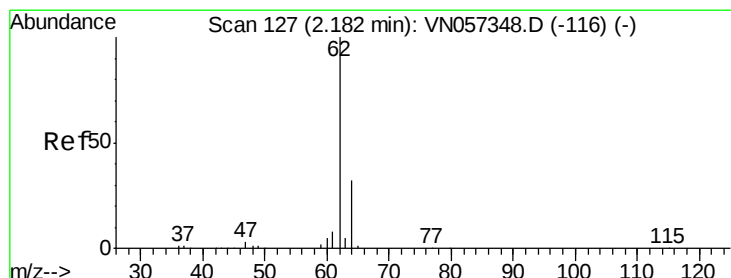
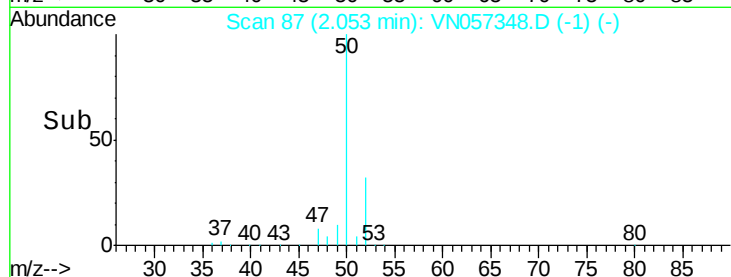


Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



Time-->



#4

Vinyl Chloride

Concen: 15.744 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057348.D

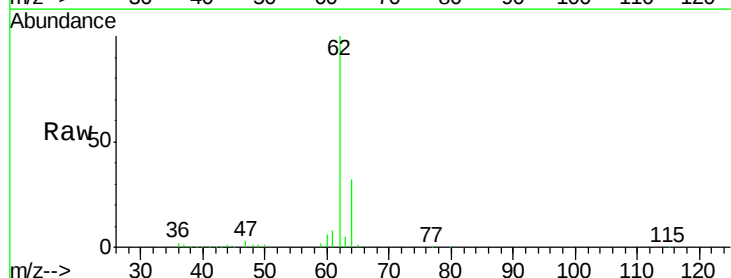
Acq: 16 Aug 2019 11:53

Tgt Ion: 62 Resp: 180632

Ion Ratio Lower Upper

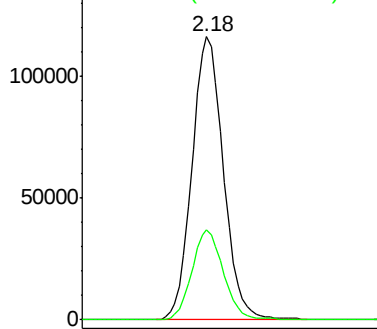
62 100

64 31.7 25.0 37.4

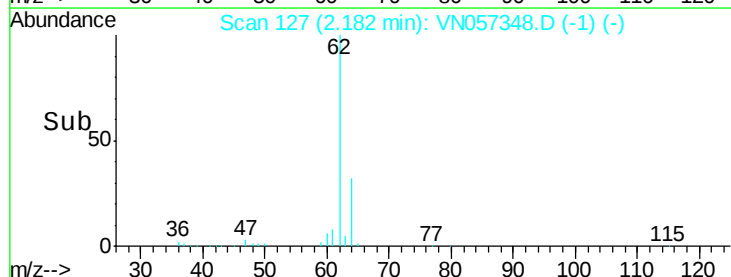


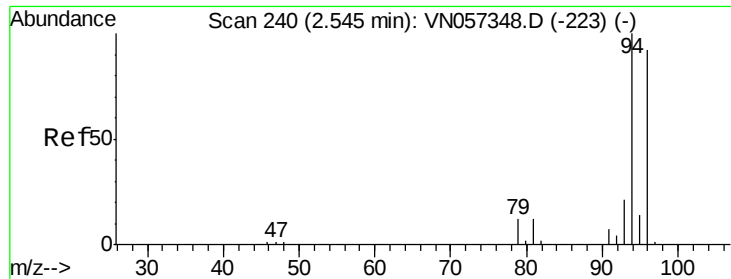
Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO



Time-->





#5

Bromomethane

Concen: 19.514 ug/l m

RT: 2.54 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

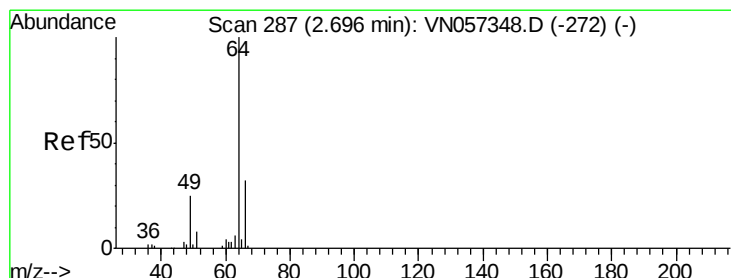
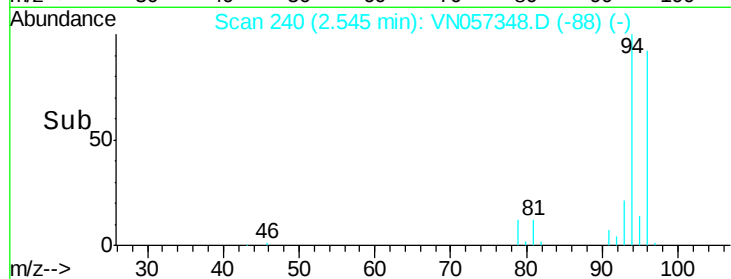
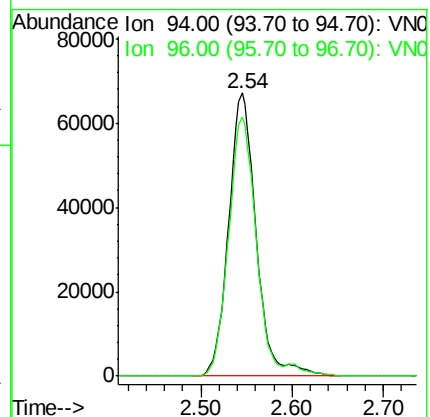
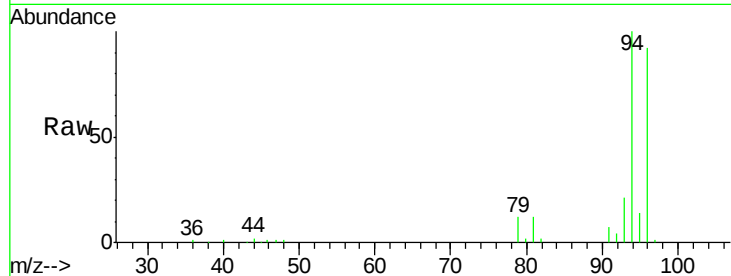
VSTDICCC020

Tot Ion: 94 Resp: 141117

Ion Ratio Lower Upper

94 100

96 91.6 72.8 109.2



#6

Chloroethane

Concen: 18.665 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN057348.D

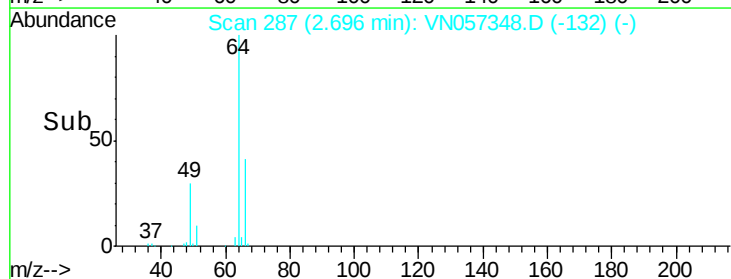
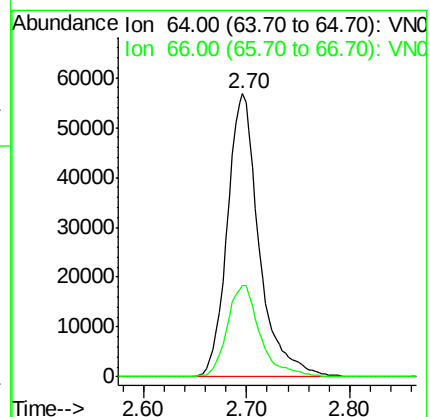
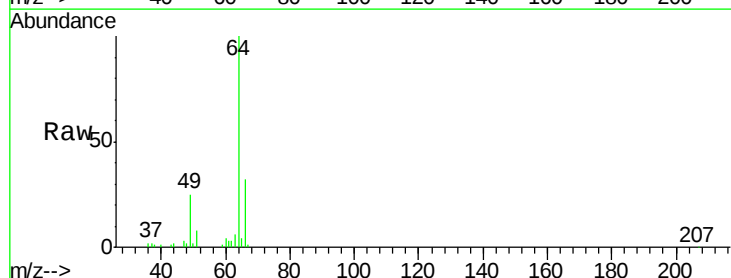
Acq: 16 Aug 2019 11:53

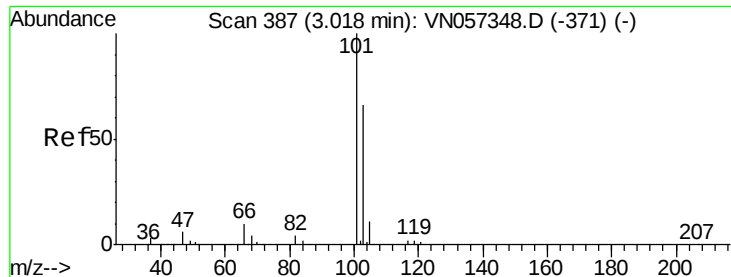
Tgt Ion: 64 Resp: 122361

Ion Ratio Lower Upper

64 100

66 32.3 25.7 38.5



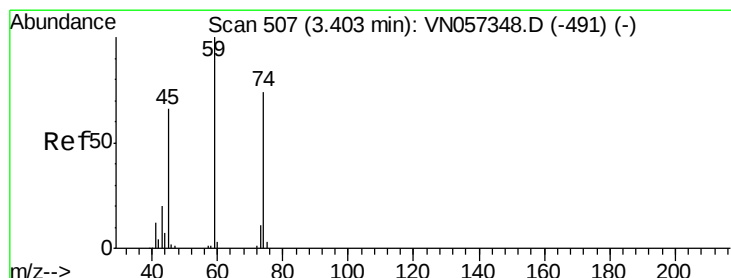
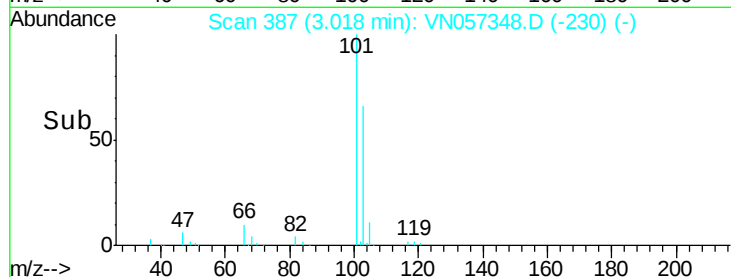
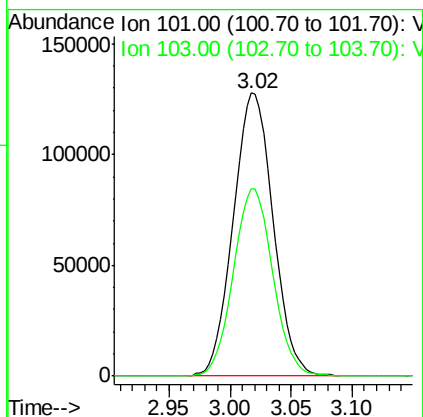
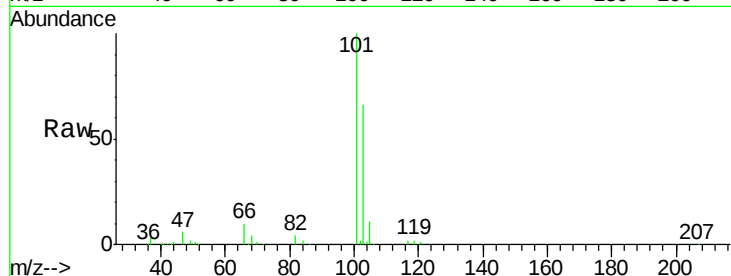


#7

Trichlorofluoromethane
 Concen: 19.689 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Instrument :
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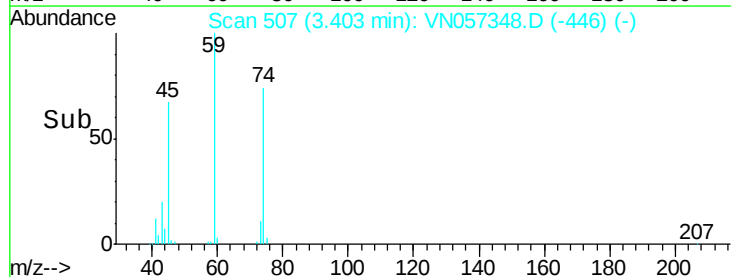
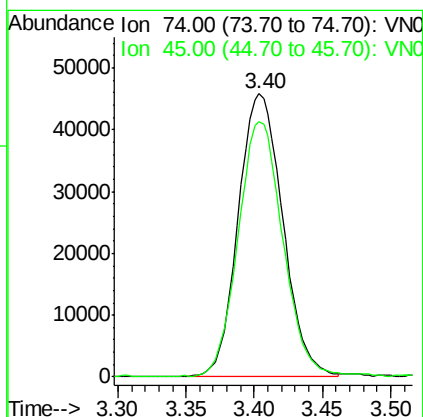
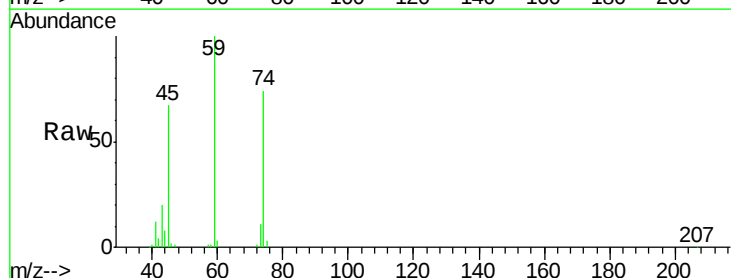
Tot Ion:101 Resp: 289732
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.8 79.2

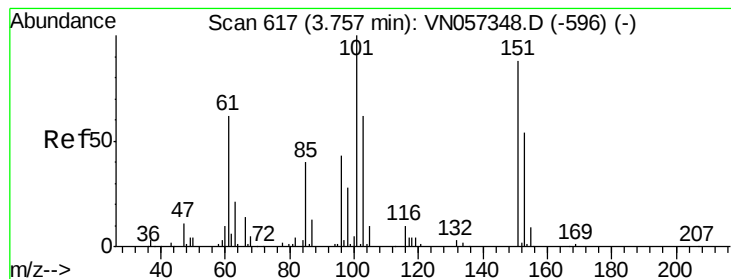


#8

Diethyl Ether
 Concen: 17.294 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Tgt Ion: 74 Resp: 104075
 Ion Ratio Lower Upper
 74 100
 45 90.6 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.840 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

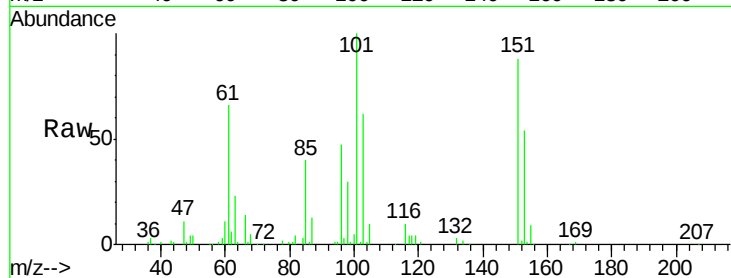
Tot Ion:101 Resp: 172880

Ion Ratio Lower Upper

101 100

85 41.4 0.0 84.2

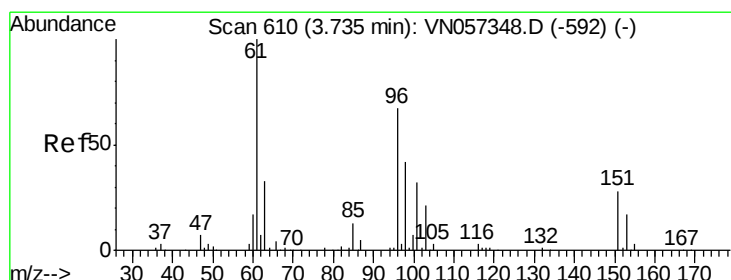
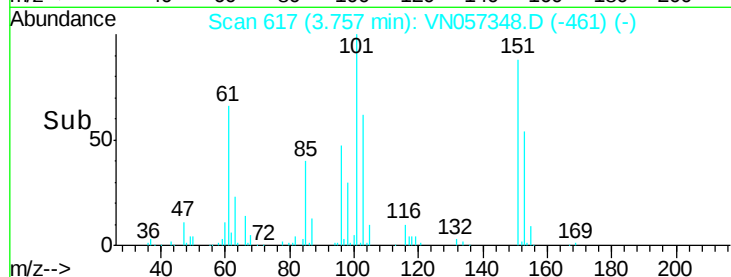
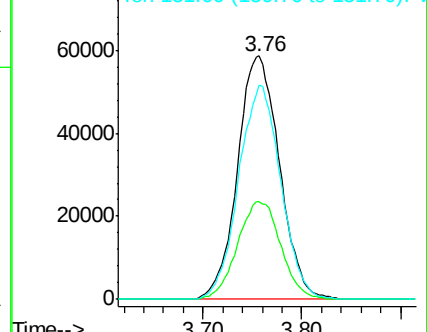
151 88.3 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.481 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

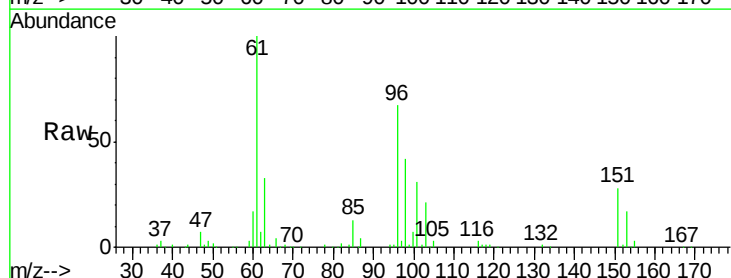
Tgt Ion: 96 Resp: 167297

Ion Ratio Lower Upper

96 100

61 148.9 129.0 193.4

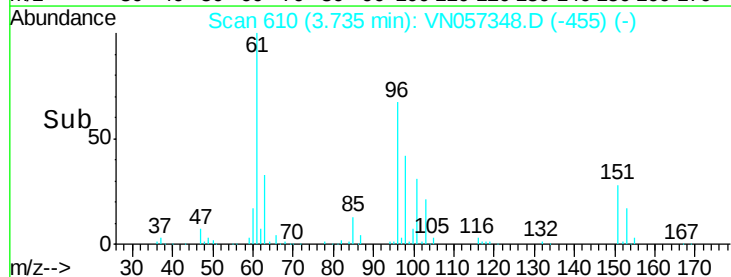
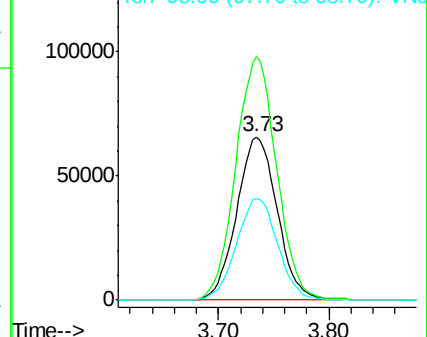
98 62.2 52.5 78.7

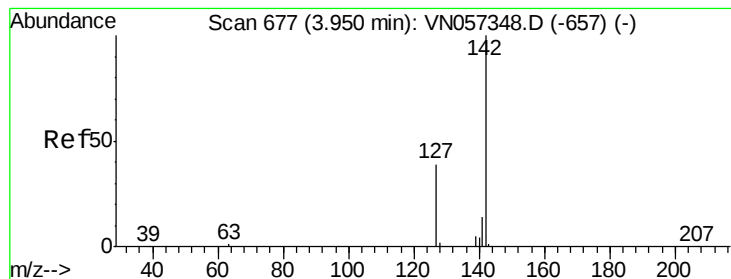


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methvl Iodide

Concen: 23.100 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

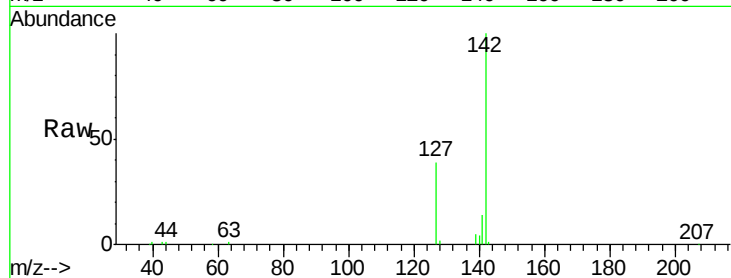
Tot Ion:142 Resp: 277907

Ion Ratio Lower Upper

142 100

127 39.2 19.5 58.5

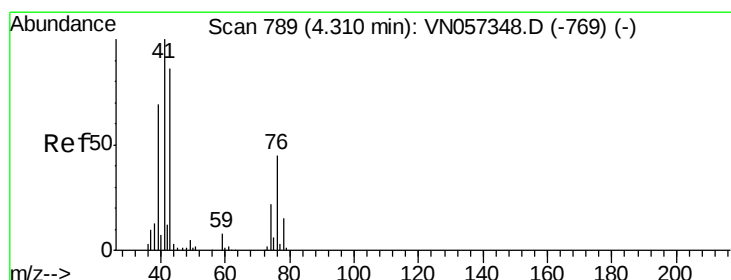
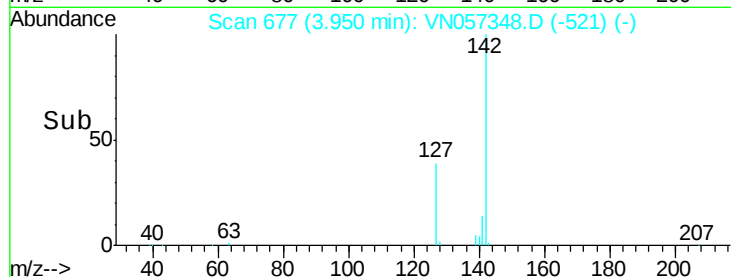
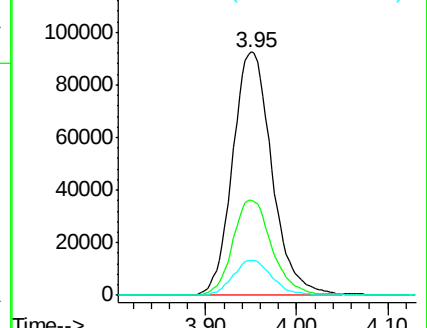
141 14.2 6.8 20.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 15.076 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN057348.D

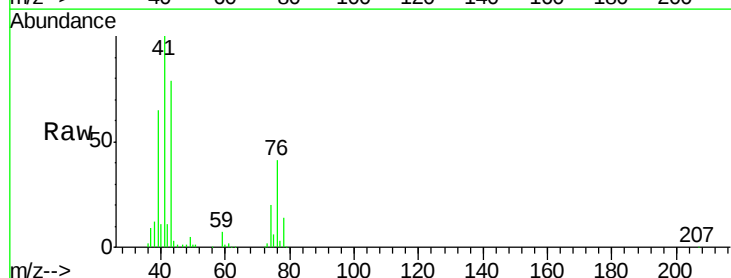
Acq: 16 Aug 2019 11:53

Tgt Ion: 43 Resp: 182690

Ion Ratio Lower Upper

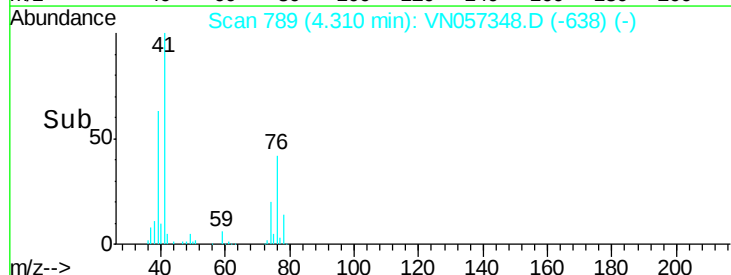
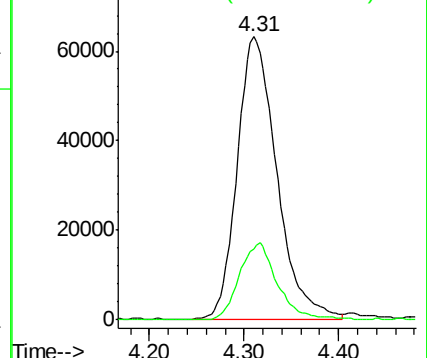
43 100

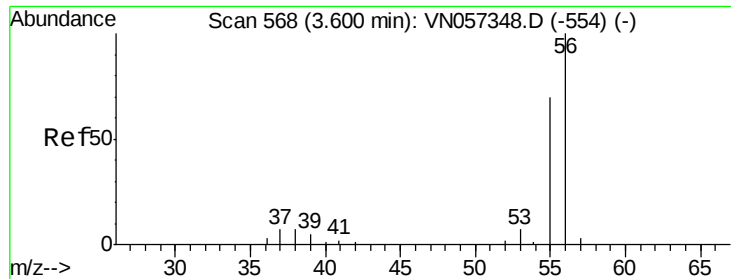
74 25.3 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 92.596 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

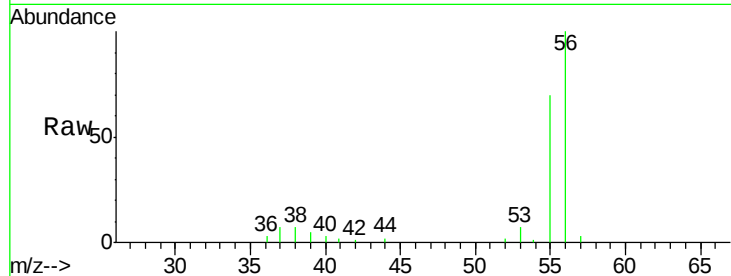
VSTDICCC020

Tot Ion: 56 Resp: 79110

Ion Ratio Lower Upper

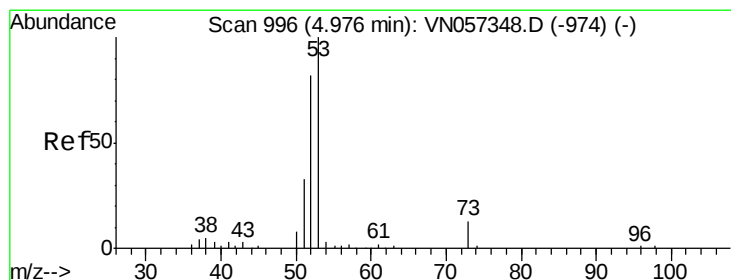
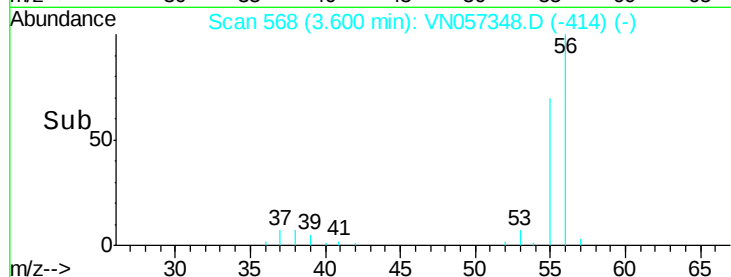
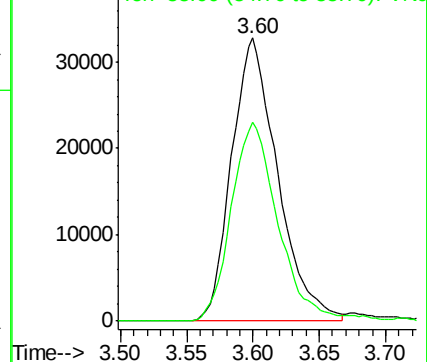
56 100

55 70.6 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 69.572 ug/l

RT: 4.98 min Scan# 996

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

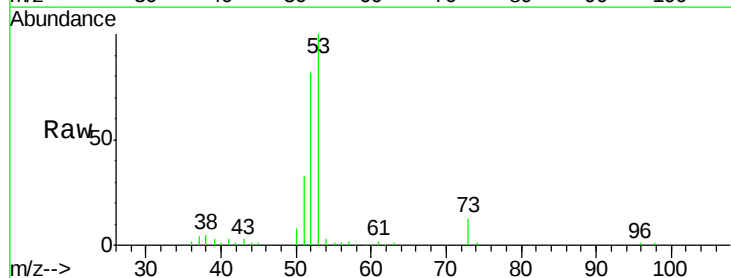
Tgt Ion: 53 Resp: 371390

Ion Ratio Lower Upper

53 100

52 83.1 41.3 123.7

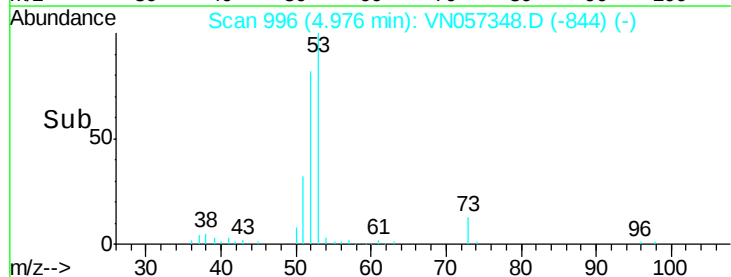
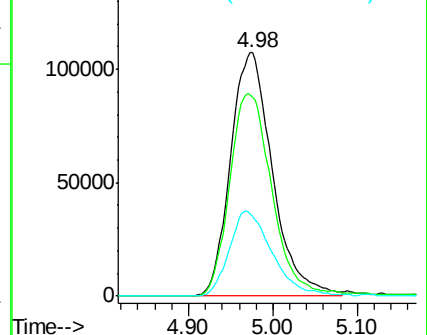
51 35.4 17.7 53.1

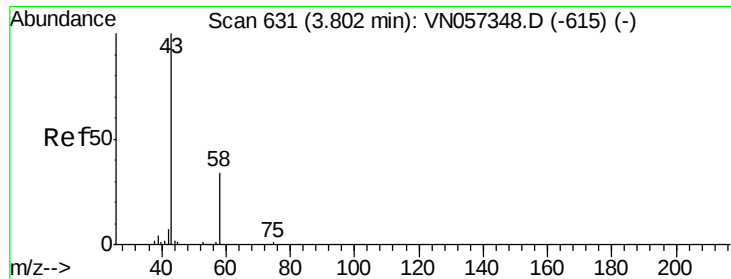


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 63.566 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.02 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

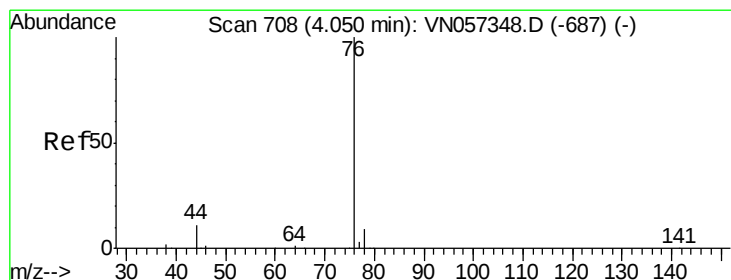
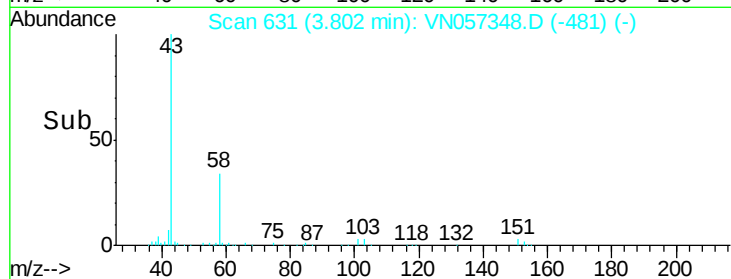
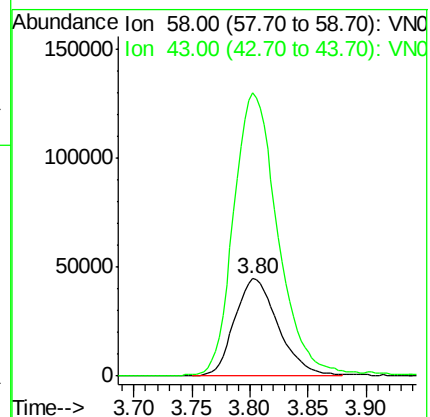
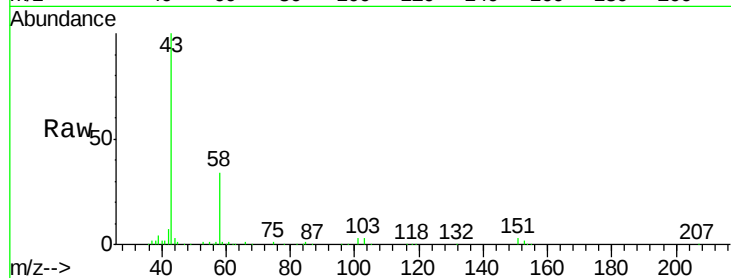
VSTDICCC020

Tot Ion: 58 Resp: 117132

Ion Ratio Lower Upper

58 100

43 290.4 233.9 350.9



#16

Carbon Disulfide

Concen: 18.787 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN057348.D

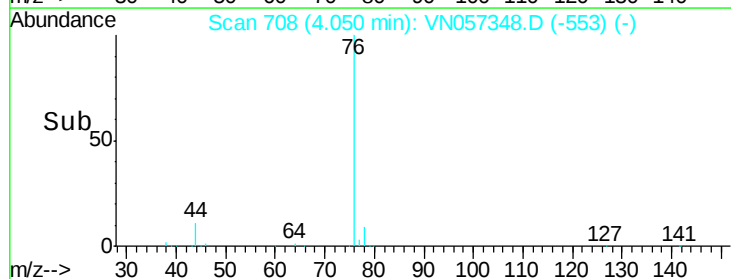
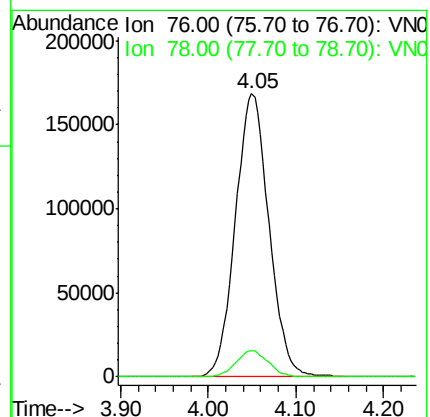
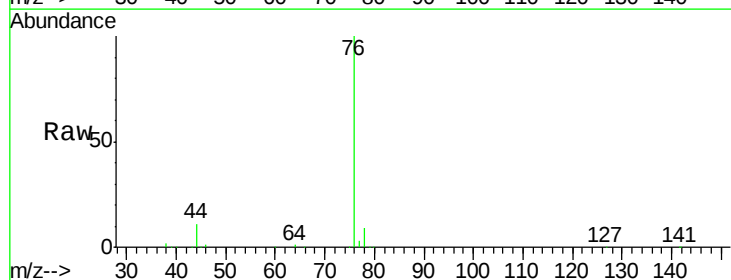
Acq: 16 Aug 2019 11:53

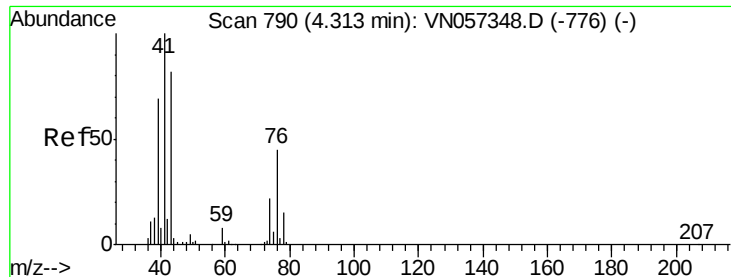
Tgt Ion: 76 Resp: 448573

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

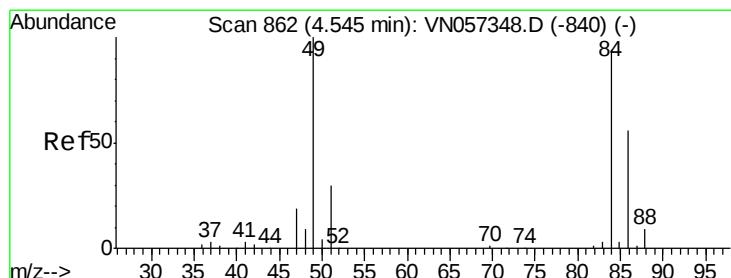
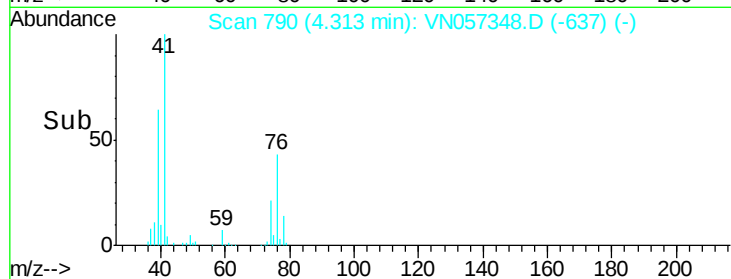
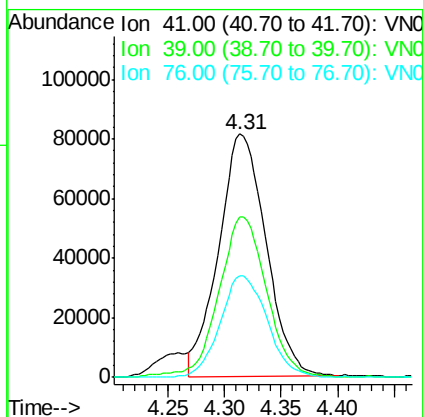
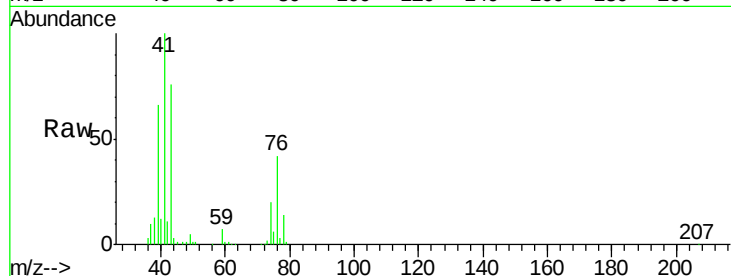




#17
Allvl chloride
Concen: 14.994 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.01 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

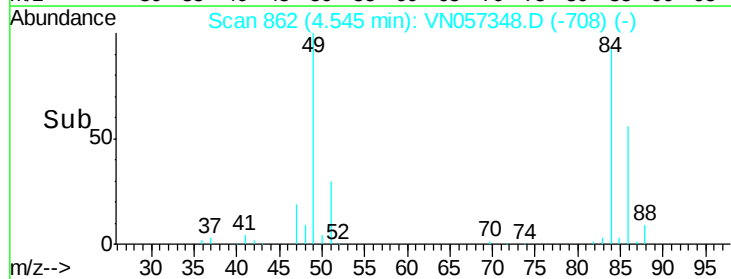
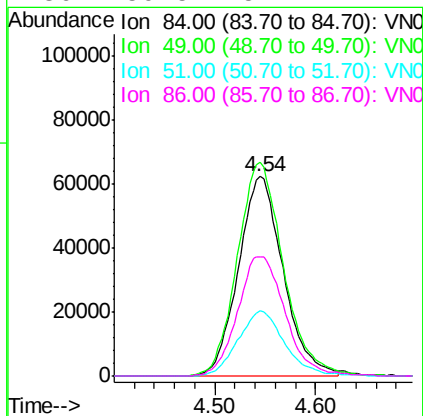
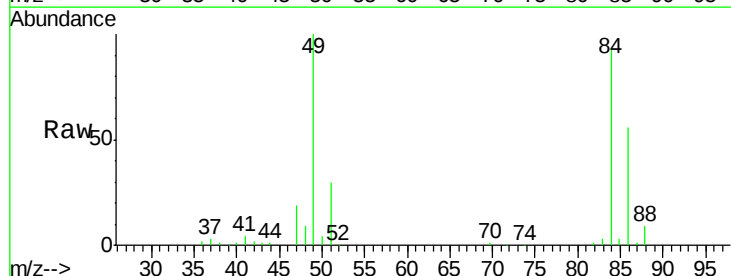
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

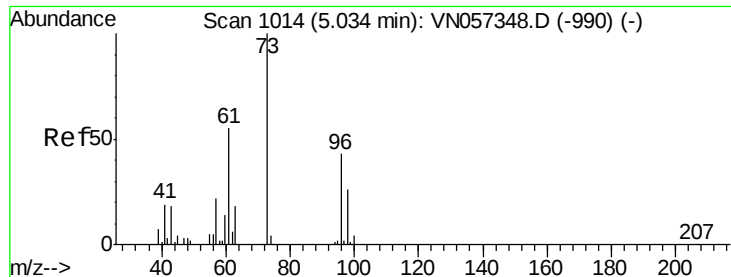
Tot Ion: 41 Resp: 237444
Ion Ratio Lower Upper
41 100
39 66.0 32.8 98.4
76 41.7 18.5 55.5



#18
Methylene Chloride
Concen: 18.069 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion: 84 Resp: 192048
Ion Ratio Lower Upper
84 100
49 106.9 93.9 140.9
51 32.5 31.7 47.5
86 59.5 51.4 77.2

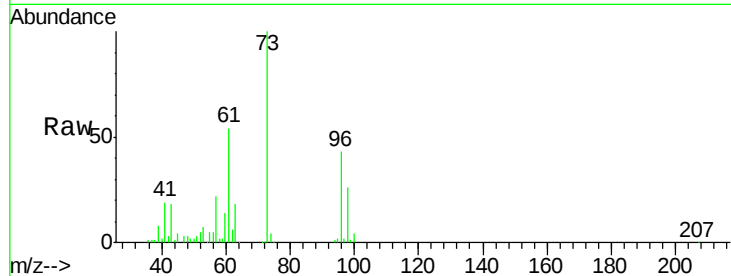




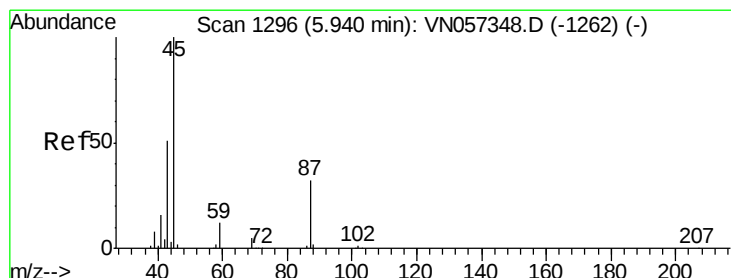
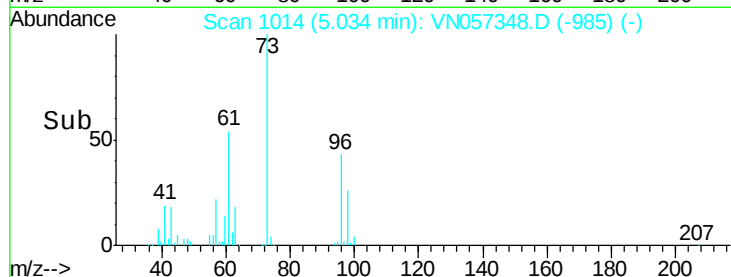
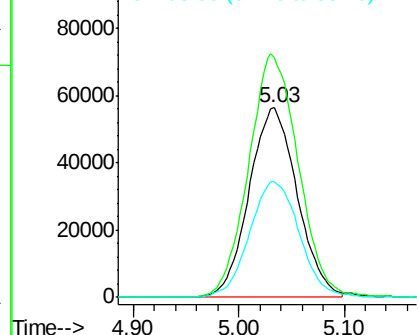
#19
trans-1,2-Dichloroethene
Concen: 18.489 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 96 Resp: 179184
Ion Ratio Lower Upper
96 100
61 126.3 109.6 164.4
98 61.0 51.4 77.2

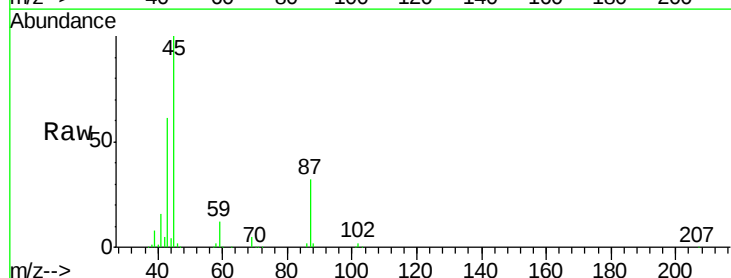


Abundance Ion 96.00 (95.70 to 96.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

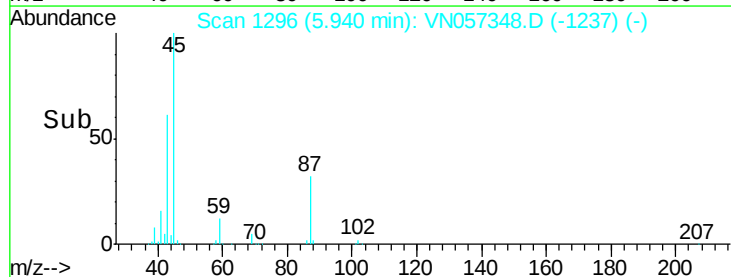
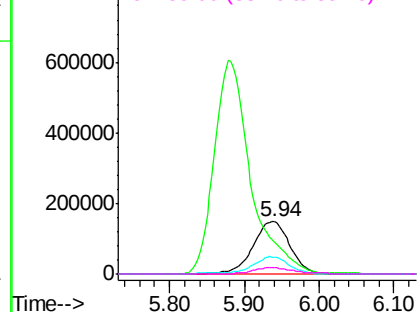


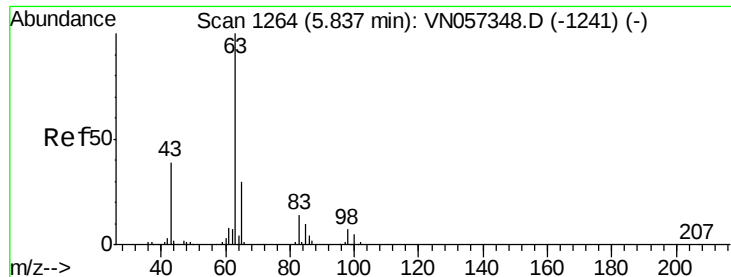
#20
Diisopropyl ether
Concen: 16.197 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion: 45 Resp: 511065
Ion Ratio Lower Upper
45 100
43 58.9 50.3 75.5
87 32.0 21.4 32.0
59 12.1 9.7 14.5



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#21

1,1-Dichloroethane

Concen: 17.596 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

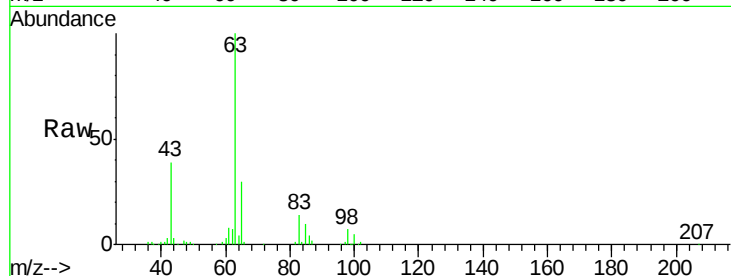
Tot Ion: 63 Resp: 317237

Ion Ratio Lower Upper

63 100

98 7.7 3.3 9.8

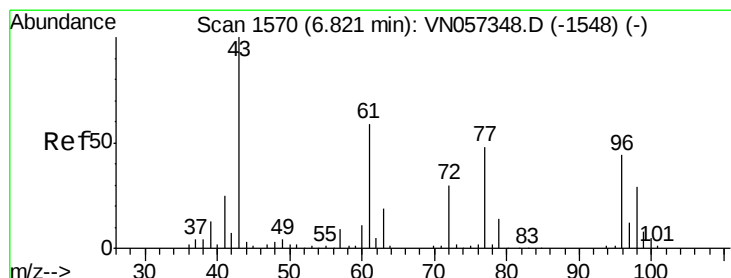
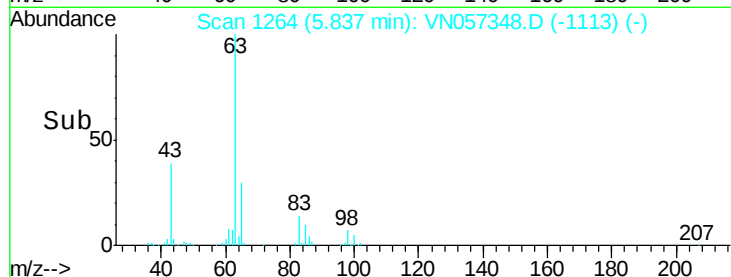
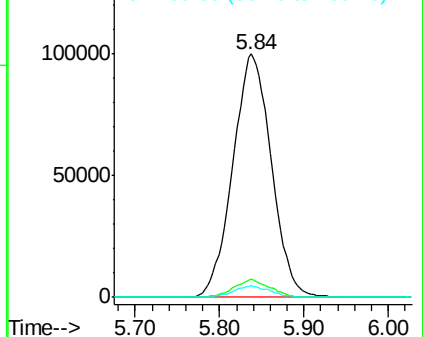
100 4.7 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 18.521 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

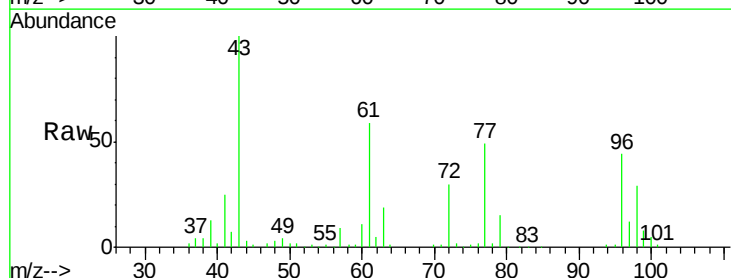
Tgt Ion: 96 Resp: 209883

Ion Ratio Lower Upper

96 100

61 135.7 112.1 168.1

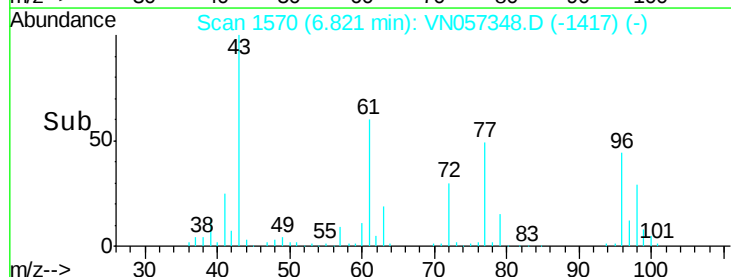
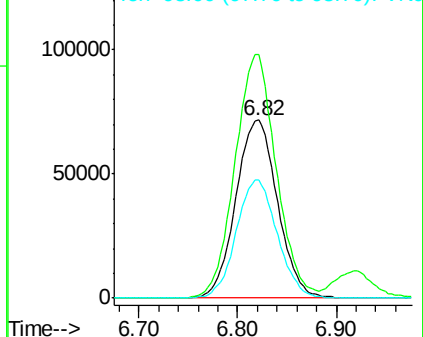
98 65.3 52.2 78.2

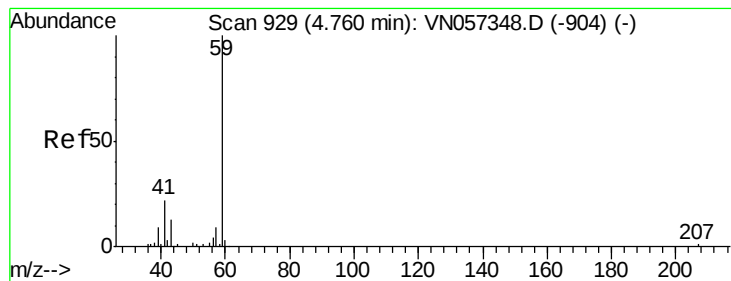


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 69.705 ug/l

RT: 4.76 min Scan# 929

Delta R.T. -0.03 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

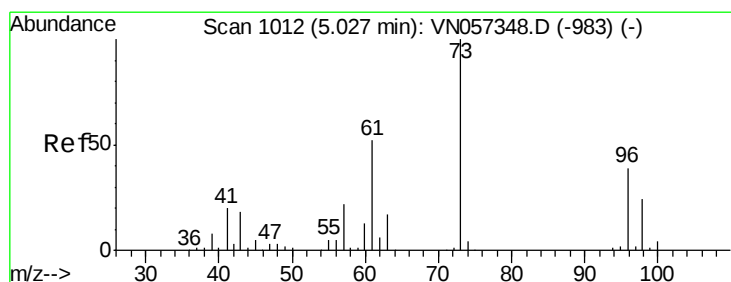
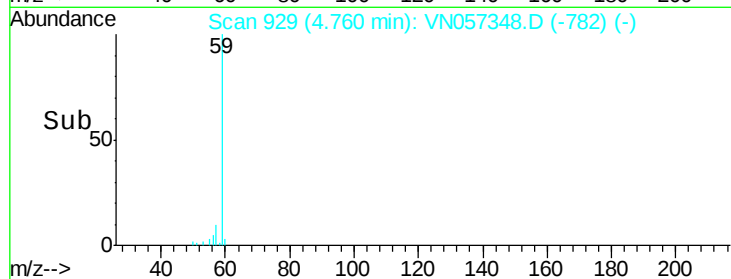
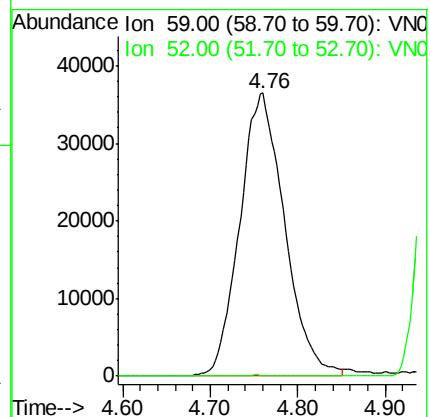
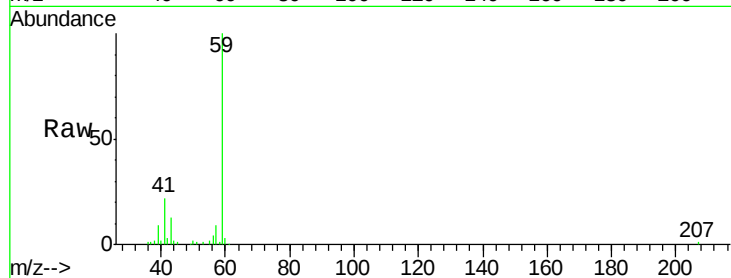
VSTDICCC020

Tot Ion: 59 Resp: 129801

Ion Ratio Lower Upper

59 100

52 0.1 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 17.682 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VN057348.D

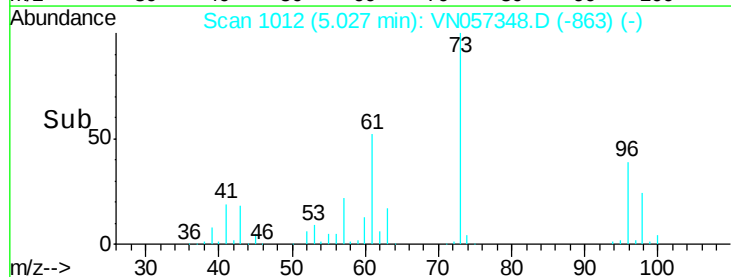
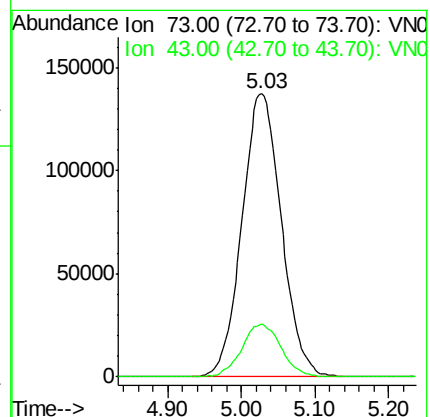
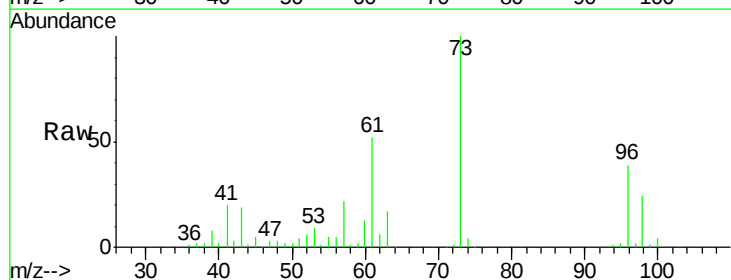
Acq: 16 Aug 2019 11:53

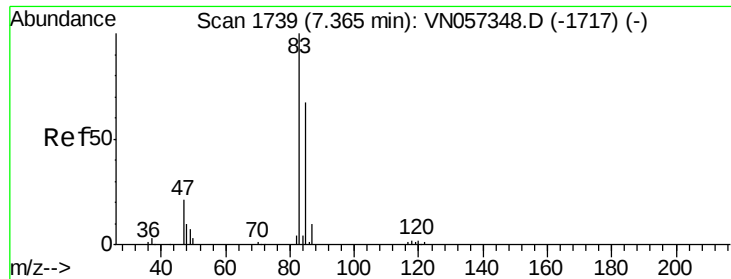
Tgt Ion: 73 Resp: 510563

Ion Ratio Lower Upper

73 100

43 18.5 15.1 22.7





#25

Chloroform

Concen: 18.773 ug/l

RT: 7.36 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

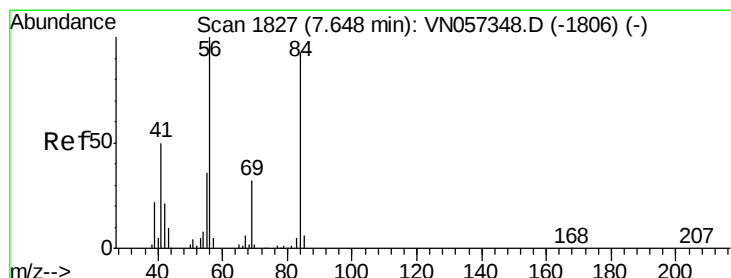
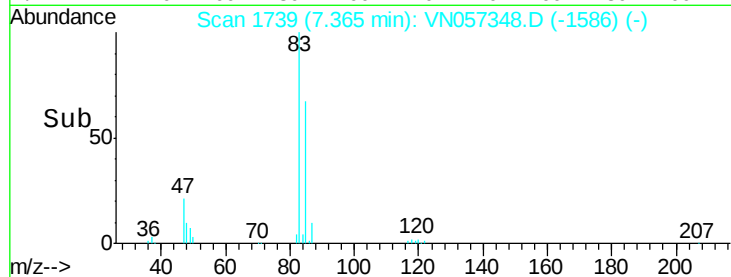
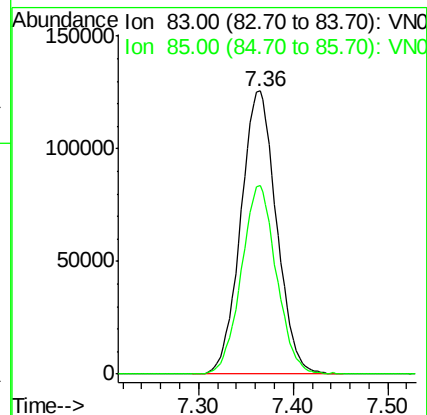
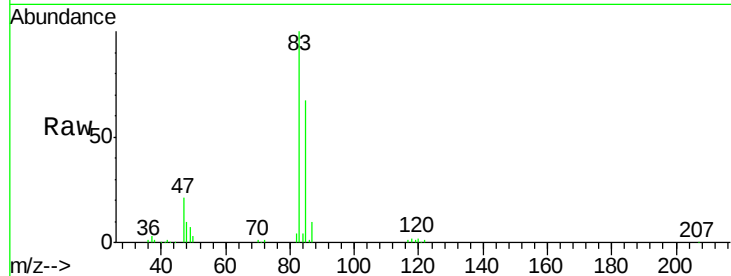
VSTDICCC020

Tot Ion: 83 Resp: 329748

Ion Ratio Lower Upper

83 100

85 66.7 52.6 79.0



#26

Cyclohexane

Concen: 15.725 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

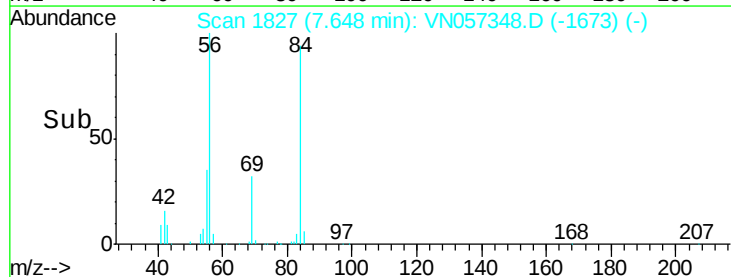
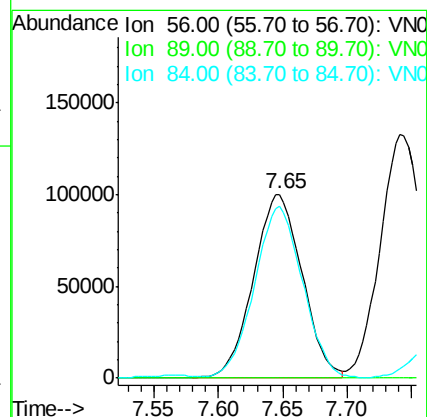
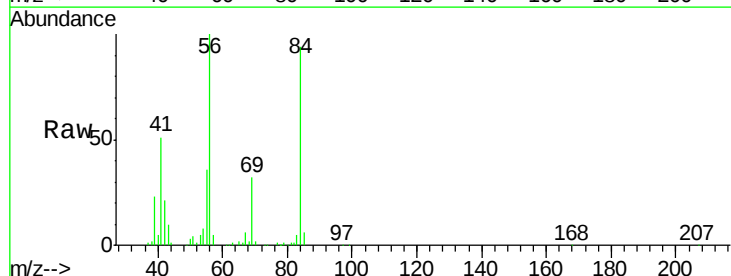
Tgt Ion: 56 Resp: 263521

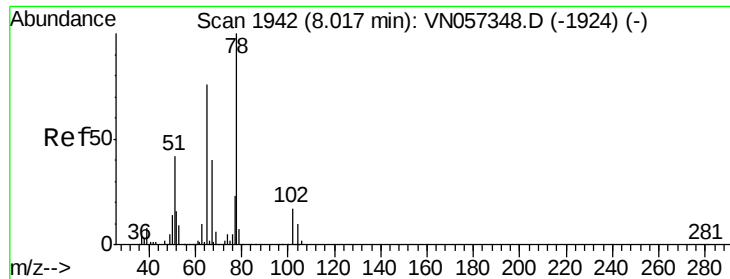
Ion Ratio Lower Upper

56 100

89 0.0 1.4 2.2#

84 92.7 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 28.634 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

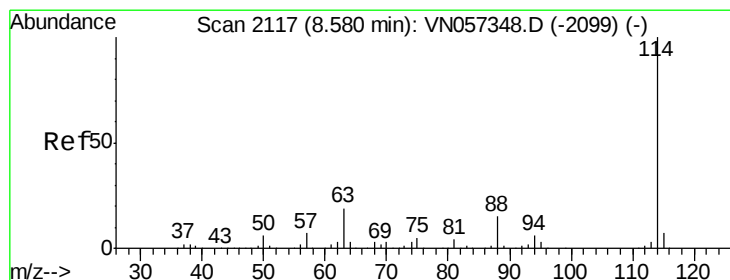
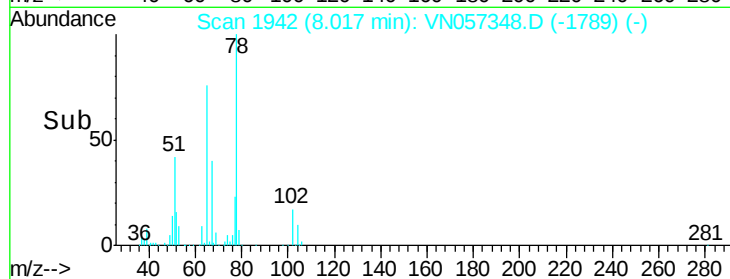
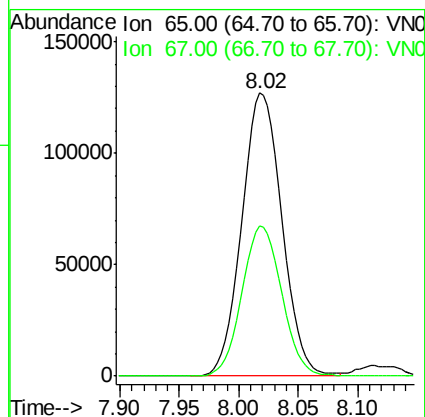
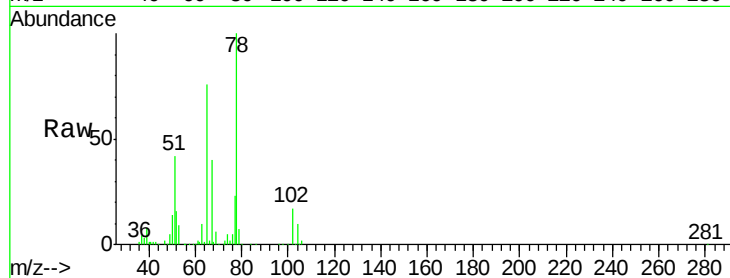
VSTDICCC020

Tot Ion: 65 Resp: 297708

Ion Ratio Lower Upper

65 100

67 52.1 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

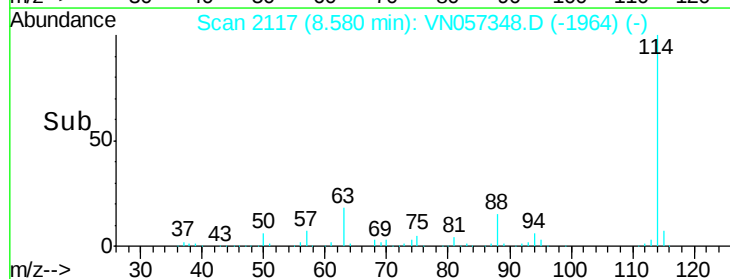
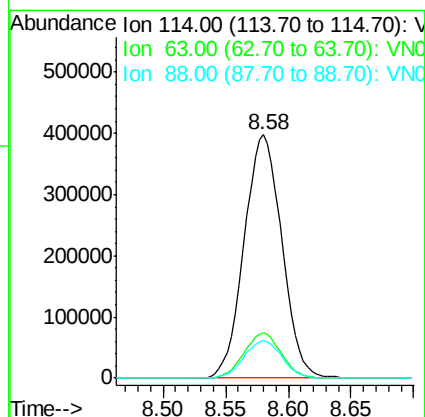
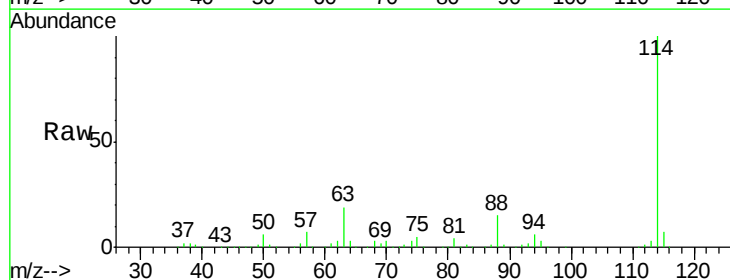
Tgt Ion: 114 Resp: 831757

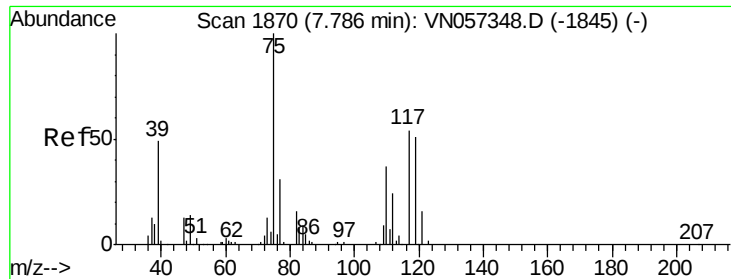
Ion Ratio Lower Upper

114 100

63 18.5 16.2 24.2

88 15.5 12.3 18.5

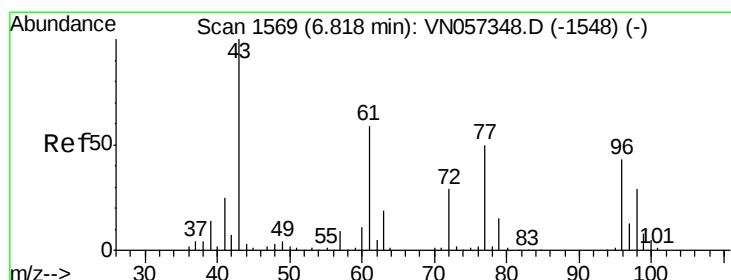
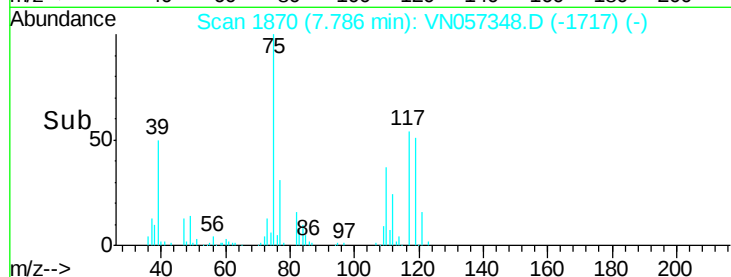
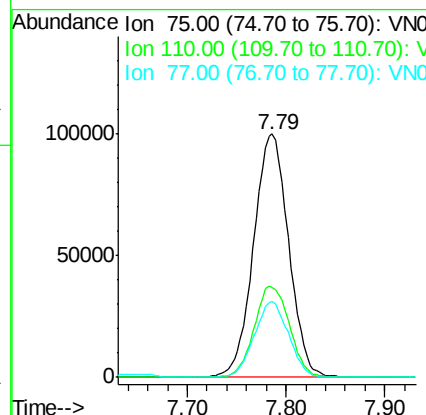
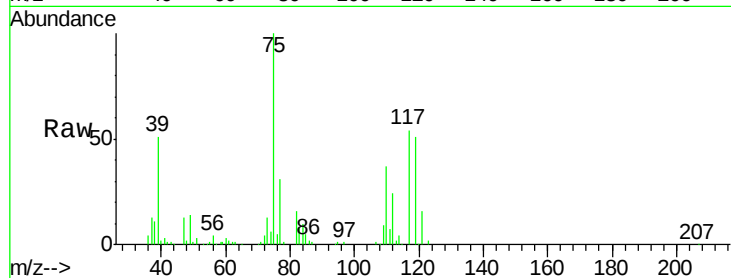




#29
 1,1-Dichloropropene
 Concen: 18.541 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.01 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

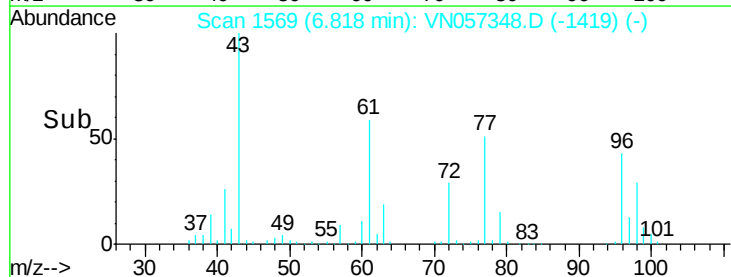
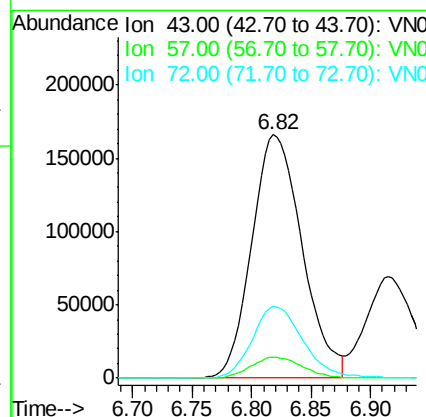
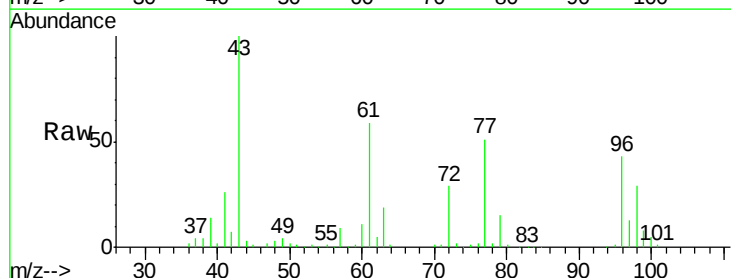
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

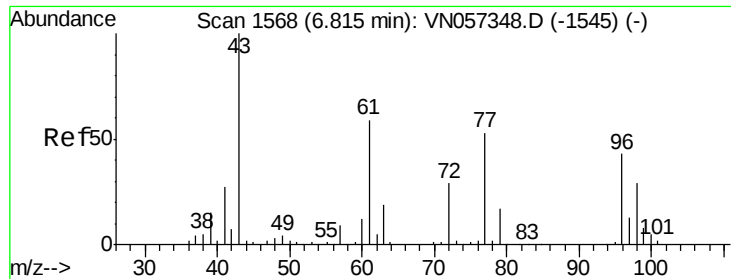
Tot Ion	Ratio	Lower	Upper
75	100		
110	37.5	0.0	72.4
77	30.5	0.0	62.2



#30
 2-Butanone
 Concen: 63.377 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.9	6.6	10.0
72	29.6	21.3	31.9





#31

2,2-Dichloropropane

Concen: 21.266 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

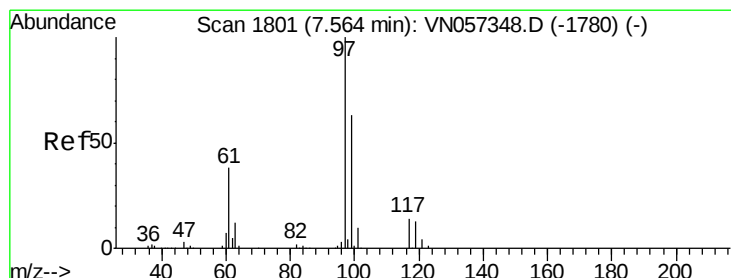
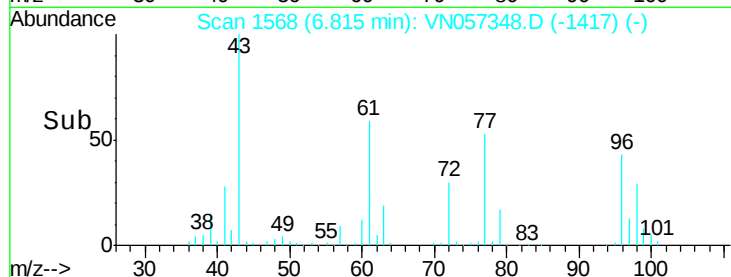
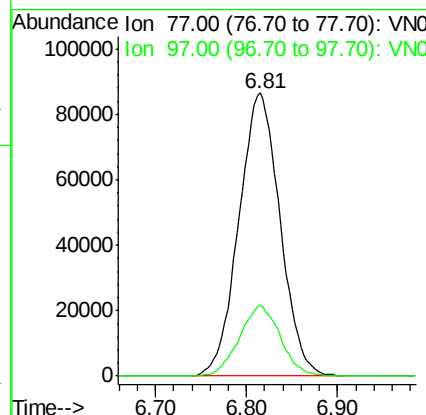
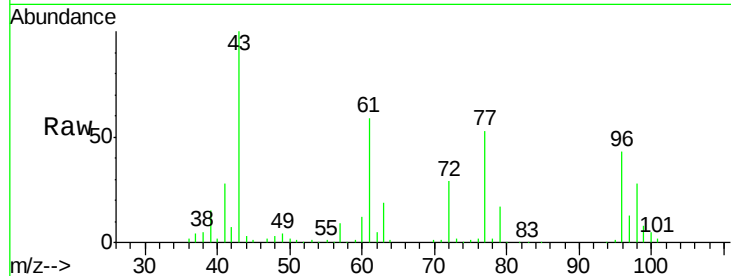
VSTDICCC020

Tot Ion: 77 Resp: 272112

Ion Ratio Lower Upper

77 100

97 24.8 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 20.959 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

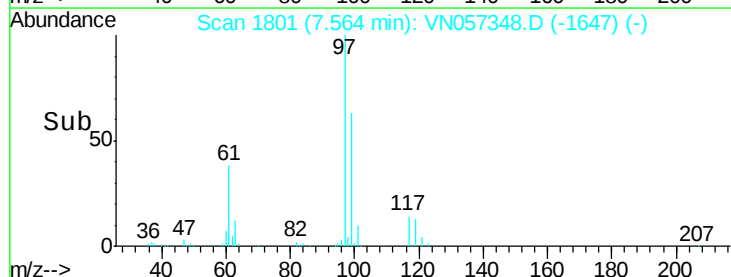
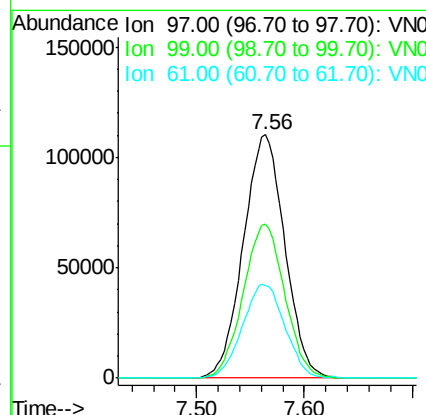
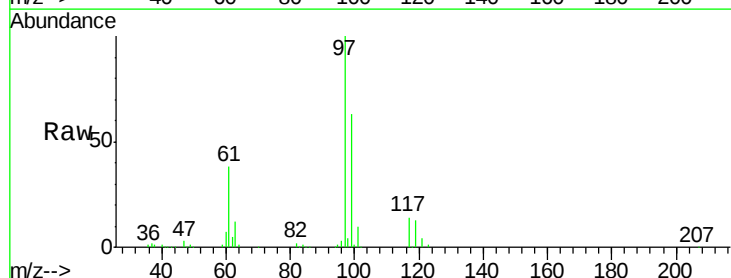
Tgt Ion: 97 Resp: 295381

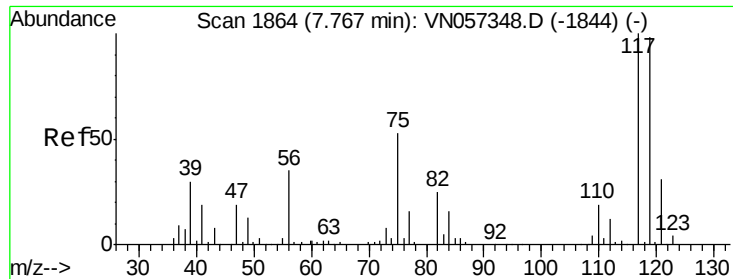
Ion Ratio Lower Upper

97 100

99 63.2 52.0 78.0

61 39.2 34.4 51.6





#33

Carbon Tetrachloride

Concen: 21.220 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

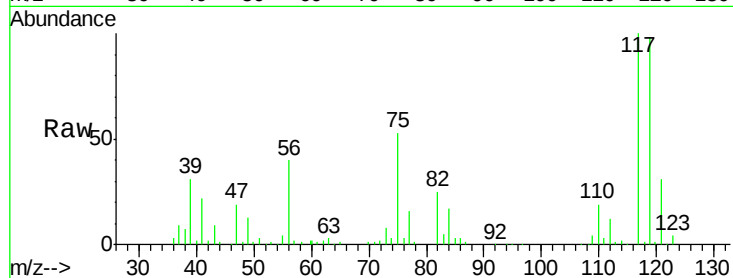
Tot Ion:117 Resp: 257349

Ion Ratio Lower Upper

117 100

119 97.6 78.7 118.1

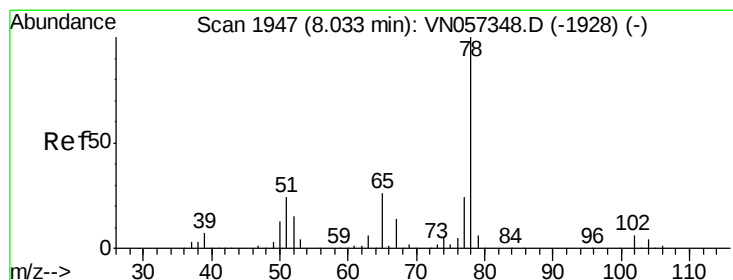
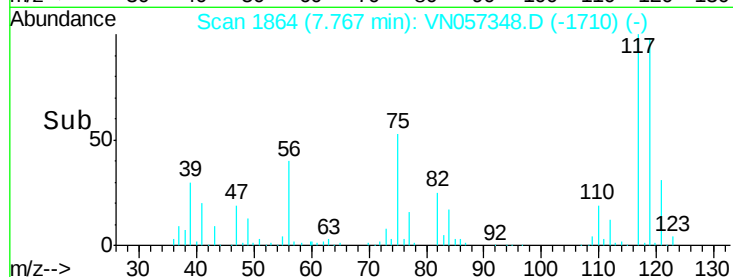
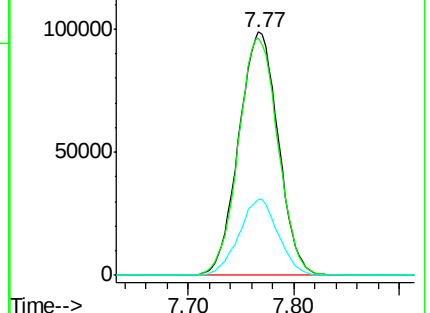
121 31.2 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 18.423 ug/l

RT: 8.03 min Scan# 1947

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

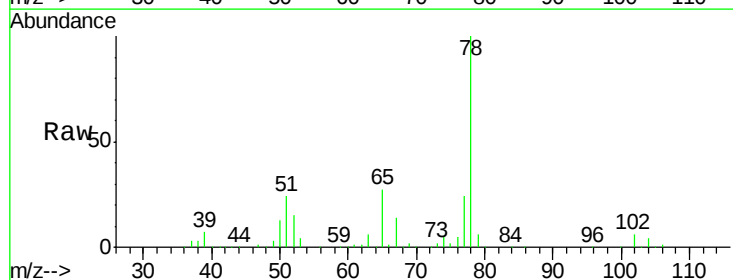
Tgt Ion: 78 Resp: 748403

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4

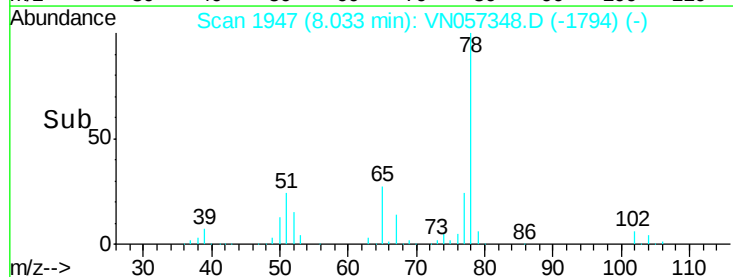
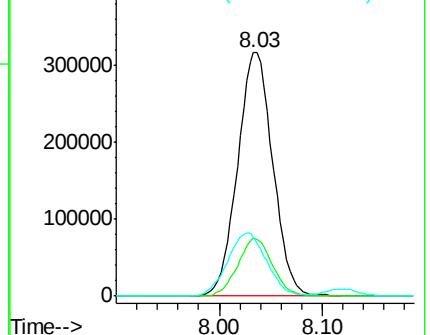
51 24.2 19.7 29.5

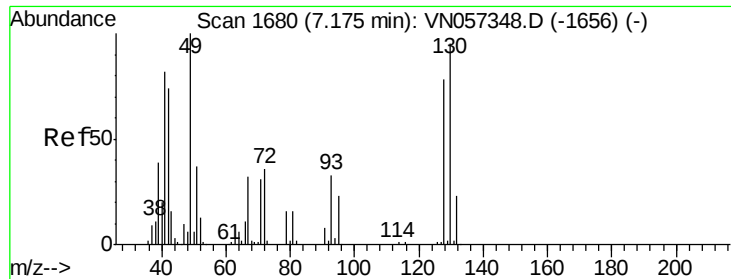


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

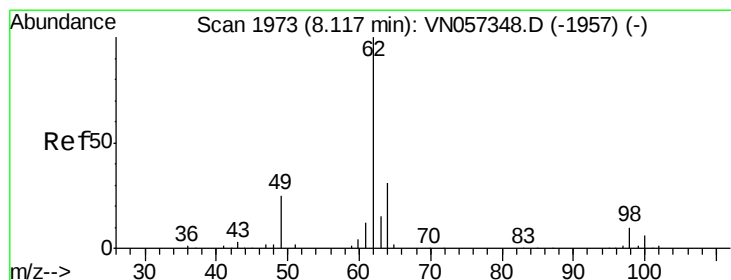
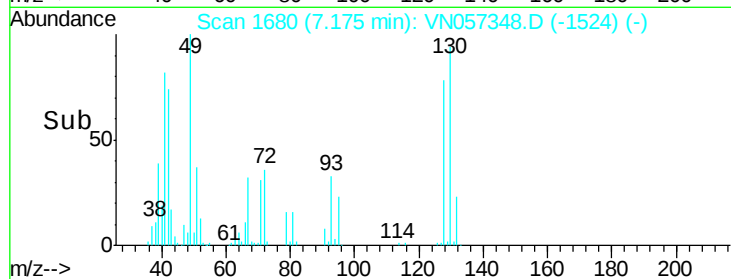
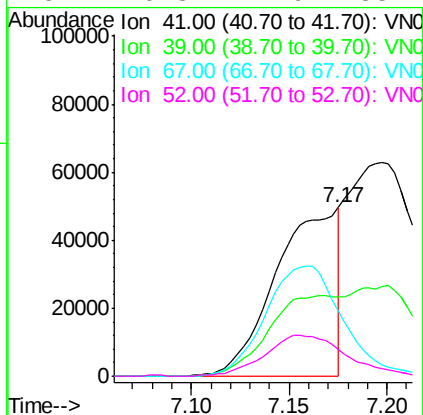
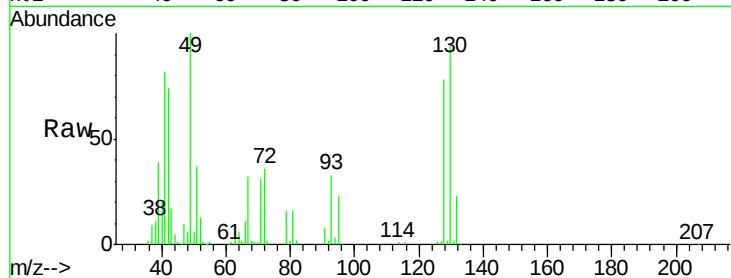




#35
Methacrylonitrile
Concen: 18.694 ug/l m
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

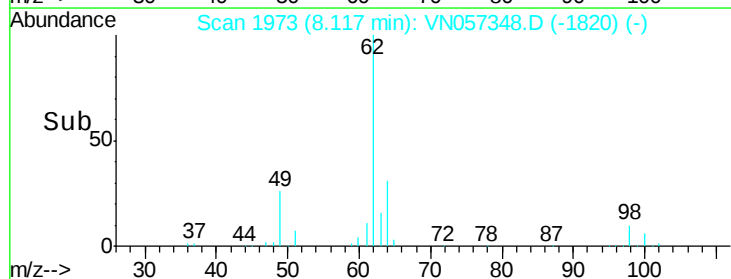
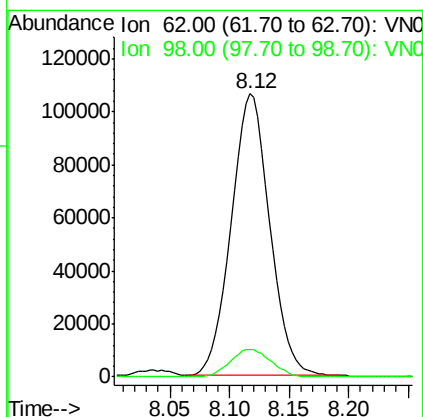
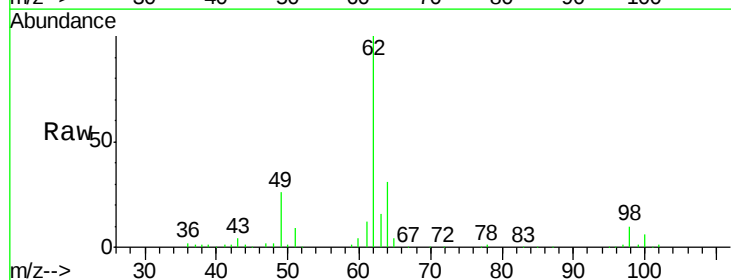
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

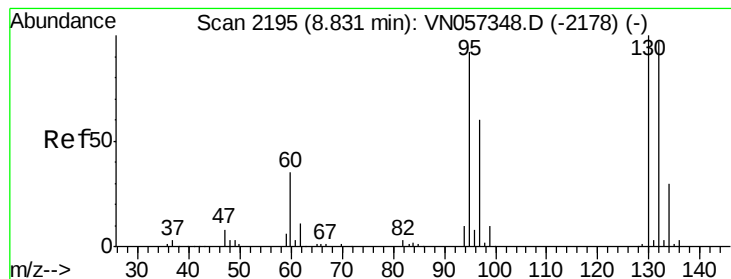
Tot Ion: 41 Resp: 109320
Ion Ratio Lower Upper
41 100
39 47.0 25.4 76.2
67 38.4 33.6 100.8
52 16.3 12.9 38.7



#36
1,2-Dichloroethane
Concen: 18.223 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.01 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion: 62 Resp: 237805
Ion Ratio Lower Upper
62 100
98 10.3 7.7 11.5





#37

Trichloroethene

Concen: 19.645 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

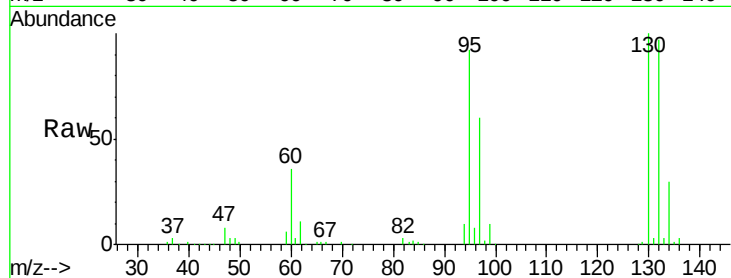
VSTDICCC020

Tot Ion:130 Resp: 216740

Ion Ratio Lower Upper

130 100

95 92.0 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

120000

100000

80000

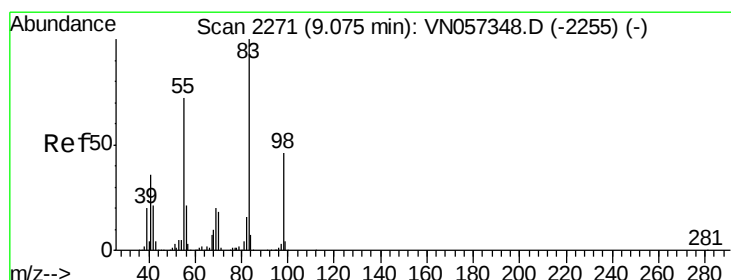
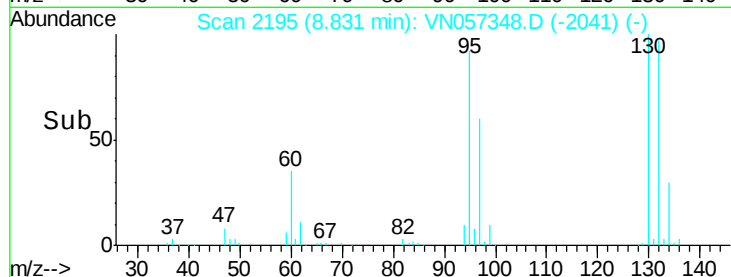
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 17.507 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

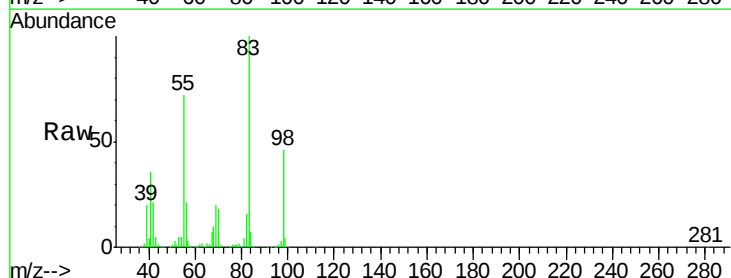
Tgt Ion: 83 Resp: 292404

Ion Ratio Lower Upper

83 100

55 72.0 38.4 115.2

98 45.6 23.3 69.9



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

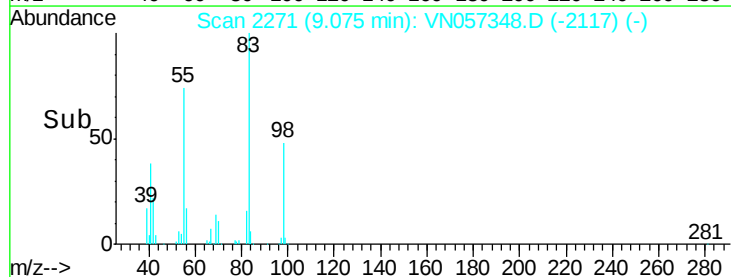
150000

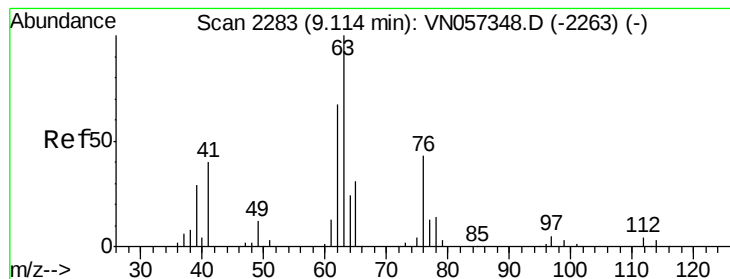
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 17.544 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

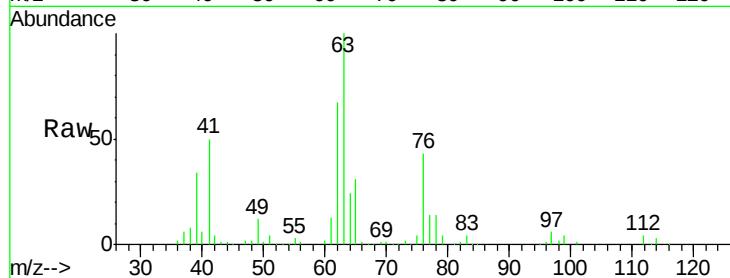
VSTDICCC020

Tot Ion: 63 Resp: 191296

Ion Ratio Lower Upper

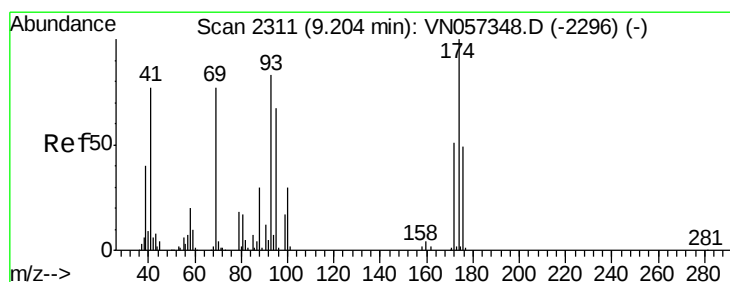
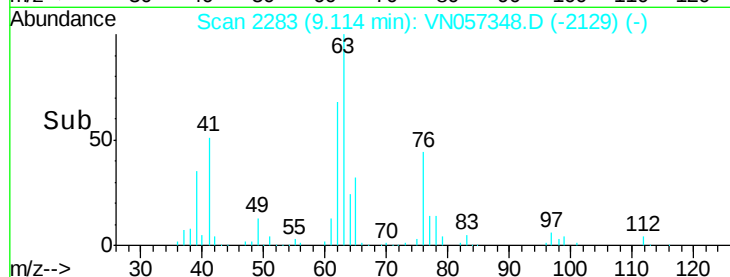
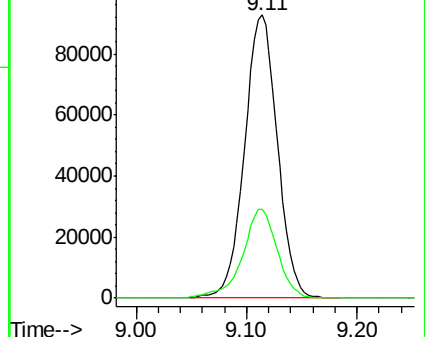
63 100

65 31.4 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.301 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

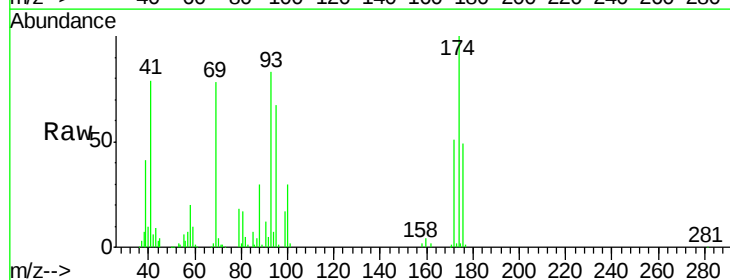
Tgt Ion: 93 Resp: 127109

Ion Ratio Lower Upper

93 100

95 83.7 0.0 167.0

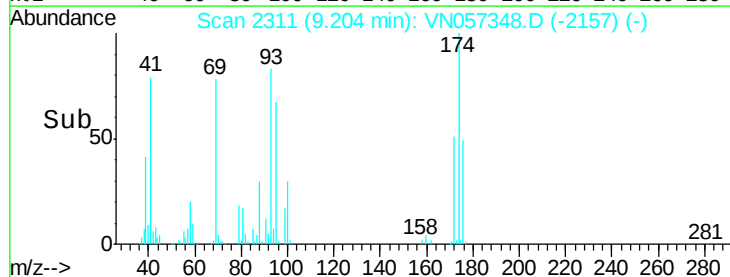
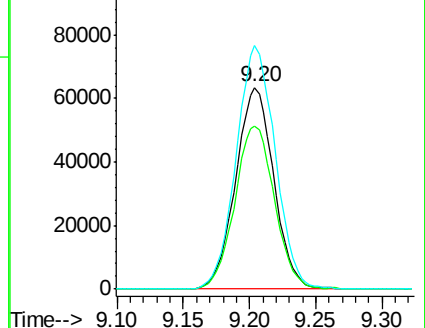
174 123.5 0.0 224.2

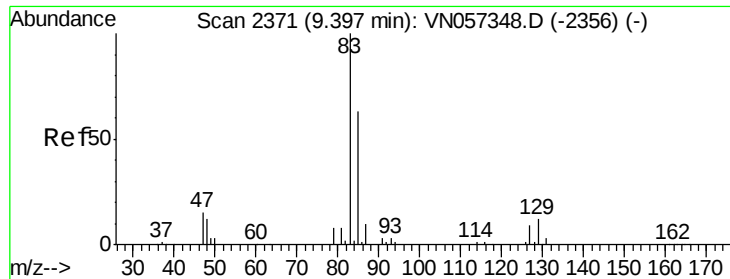


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

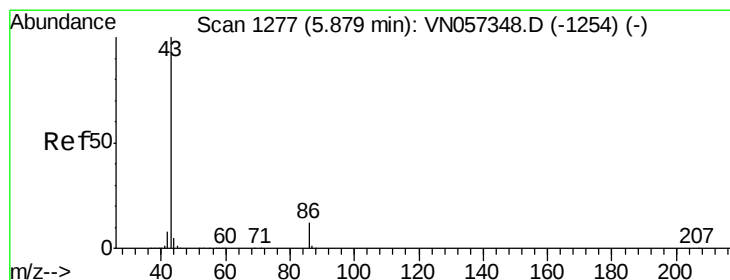
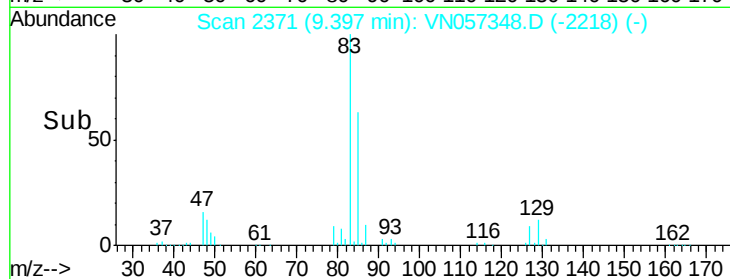
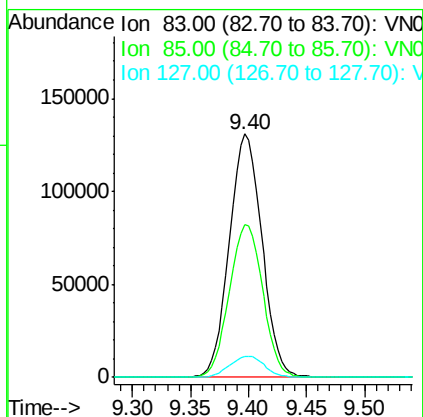
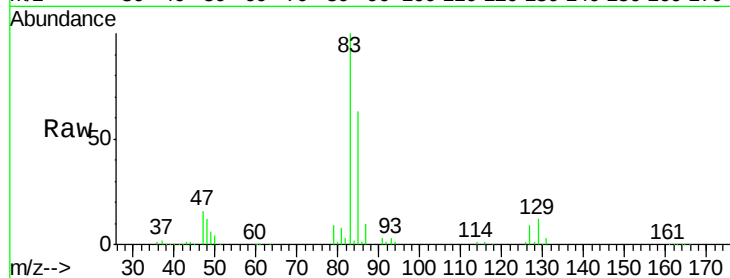




#41
 Bromodichloromethane
 Concen: 19.947 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

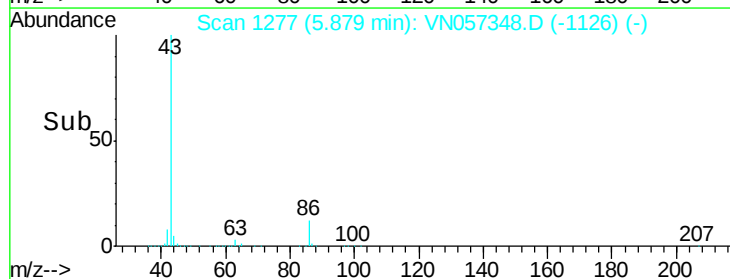
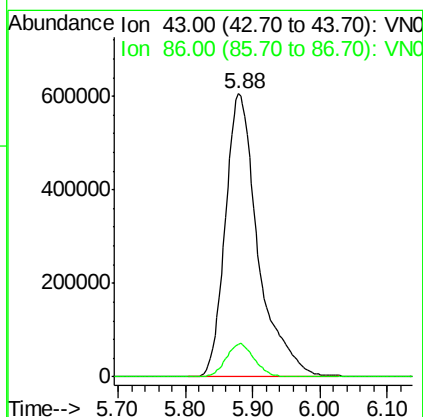
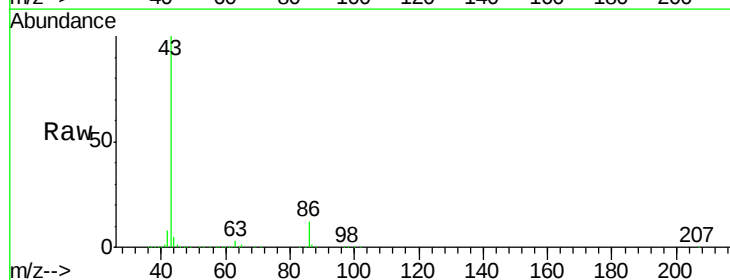
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

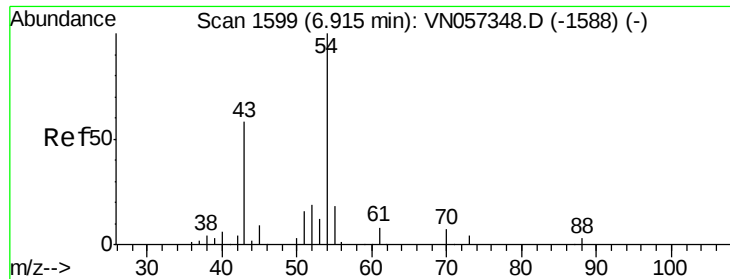
Tot Ion: 83 Resp: 255325
 Ion Ratio Lower Upper
 83 100
 85 62.8 50.1 75.1
 127 8.6 7.0 10.4



#42
 Vinyl Acetate
 Concen: 80.562 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Tgt Ion: 43 Resp: 2052452
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.4 11.2





#43

Ethyl Acetate

Concen: 14.226 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

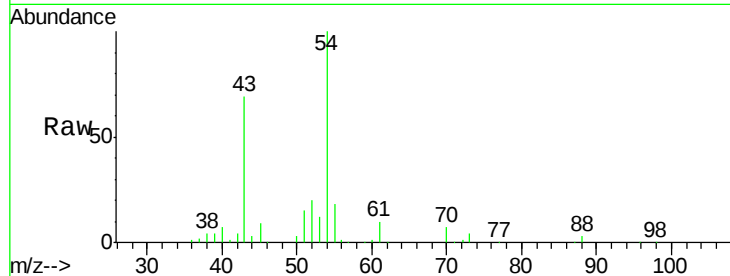
VSTDICCC020

Tot Ion: 43 Resp: 196791

Ion Ratio Lower Upper

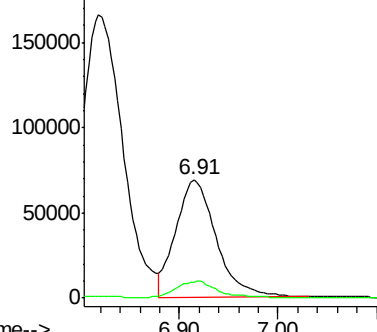
43 100

45 13.1 11.2 16.8

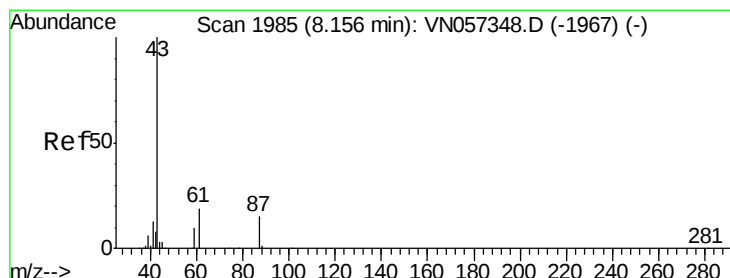
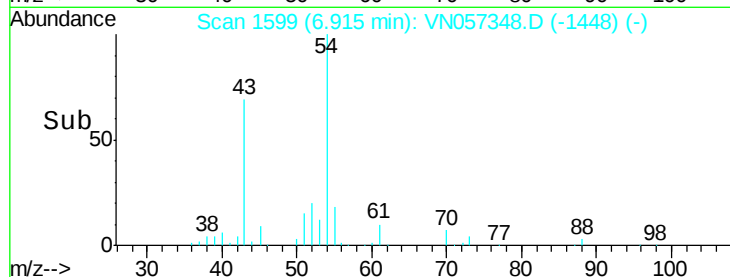


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



Time-->



#44

Isopropyl Acetate

Concen: 16.274 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VN057348.D

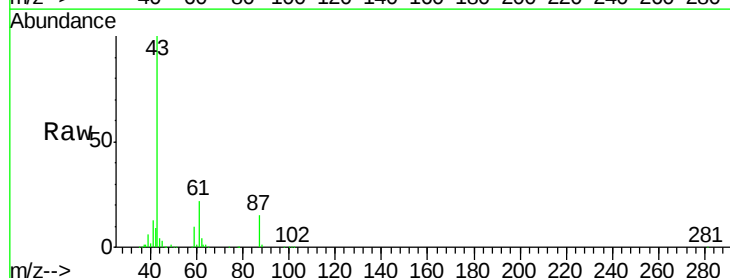
Acq: 16 Aug 2019 11:53

Tgt Ion: 43 Resp: 351115

Ion Ratio Lower Upper

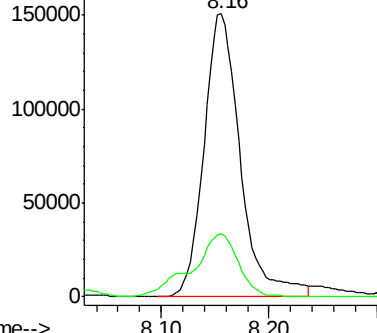
43 100

61 21.1 22.6 33.8#

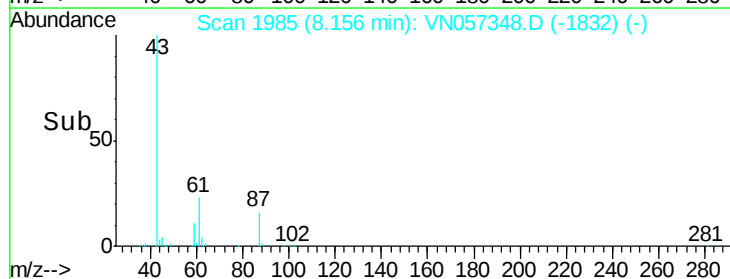


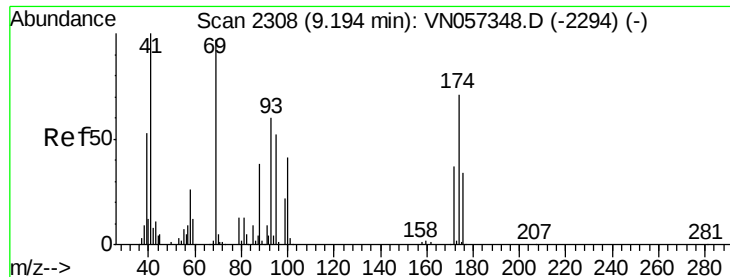
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->

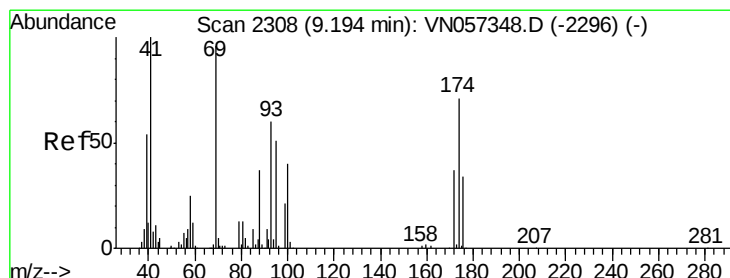
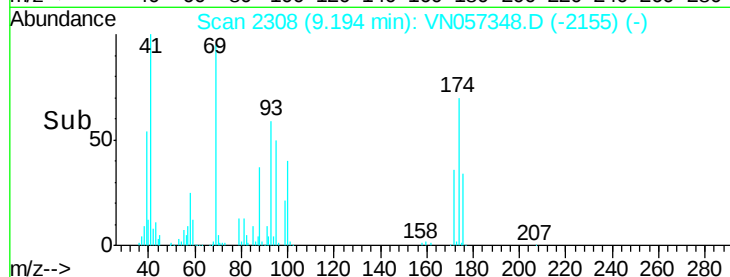
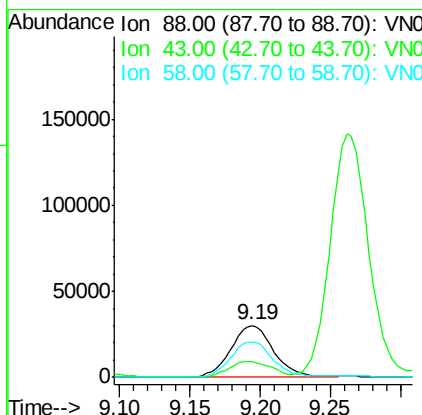
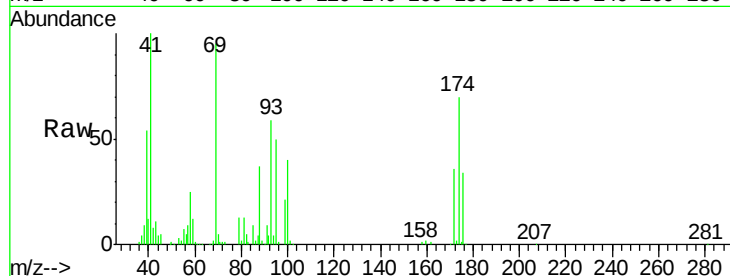




#45
1,4-Dioxane
Concen: 294.261 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

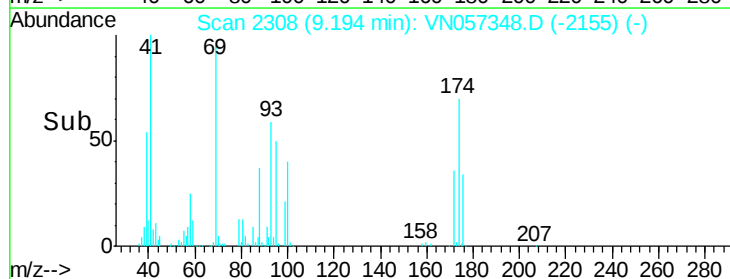
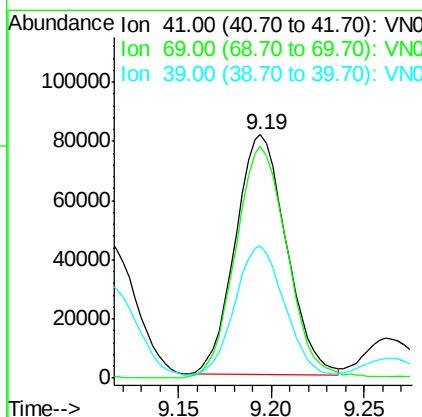
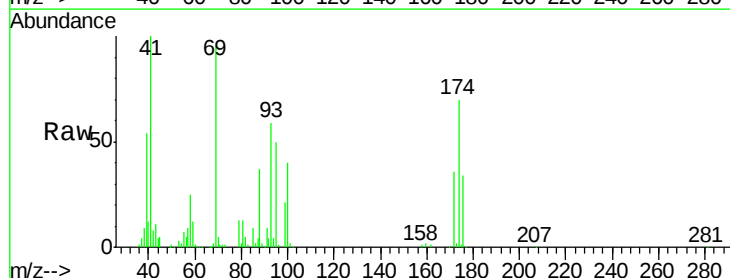
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

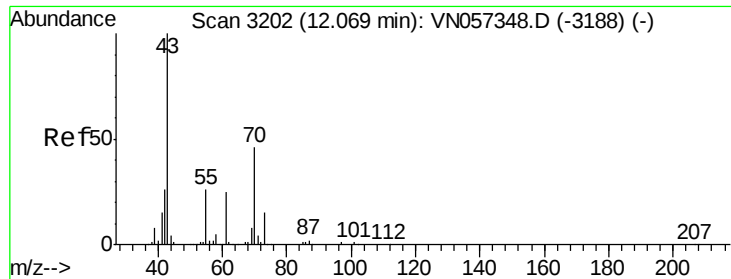
Tot Ion	88	Resp	64229
Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.0	34.6
58	67.7	54.6	81.8



#46
Methyl methacrylate
Concen: 14.957 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion	41	Resp	155034
Ion	Ratio	Lower	Upper
41	100		
69	96.2	43.0	129.0
39	53.8	25.1	75.4





#47

n-amvl Acetate

Concen: 13.457 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

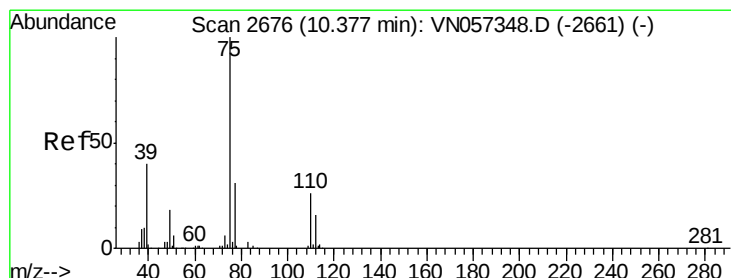
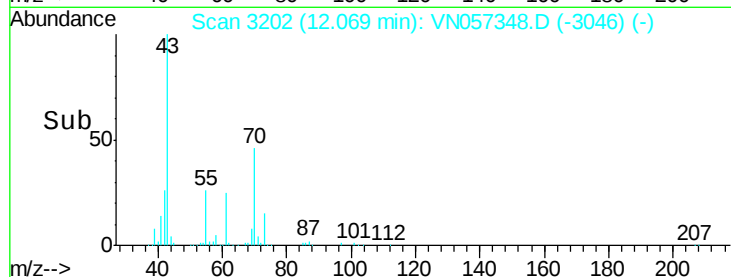
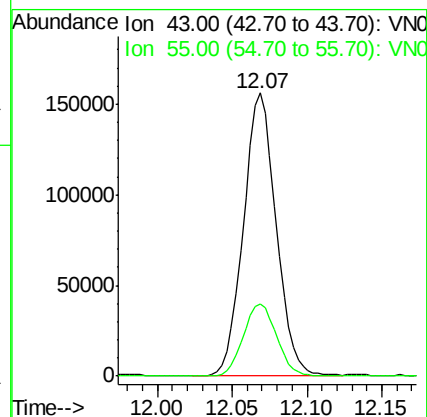
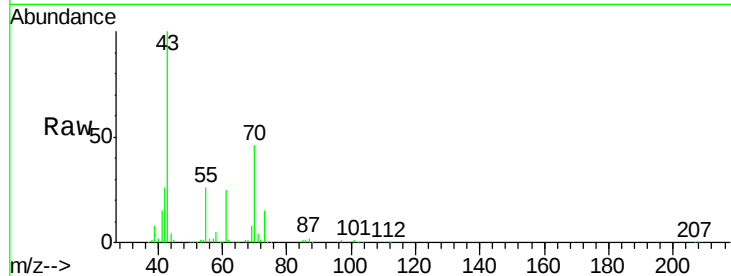
VSTDICCC020

Tot Ion: 43 Resp: 237447

Ion Ratio Lower Upper

43 100

55 26.0 20.7 31.1



#48

t-1,3-Dichloropropene

Concen: 19.404 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057348.D

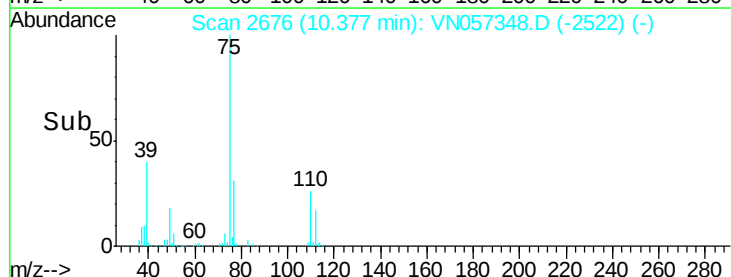
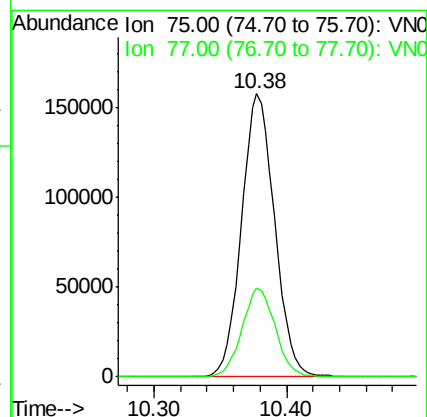
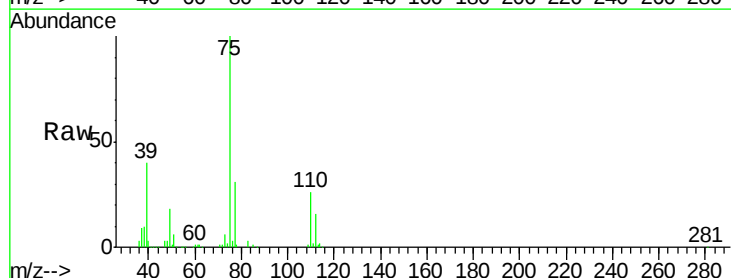
Acq: 16 Aug 2019 11:53

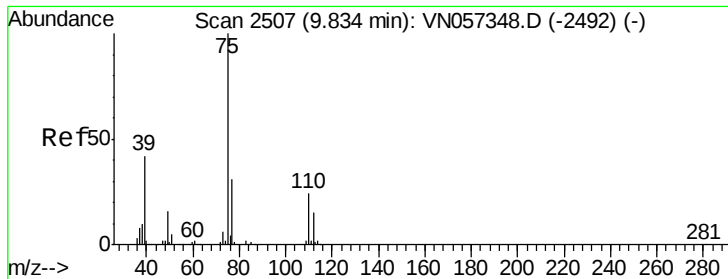
Tgt Ion: 75 Resp: 273201

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



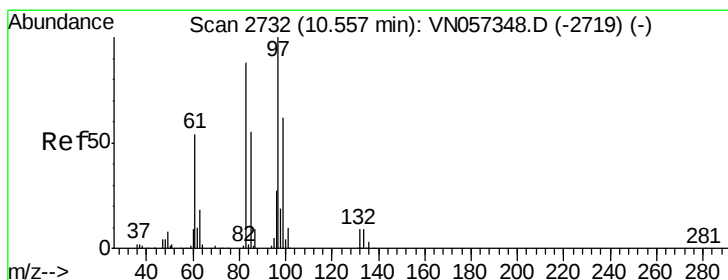
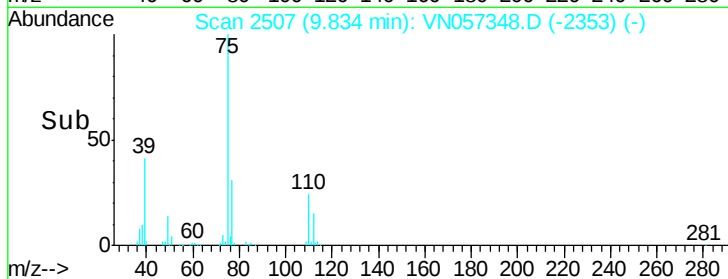
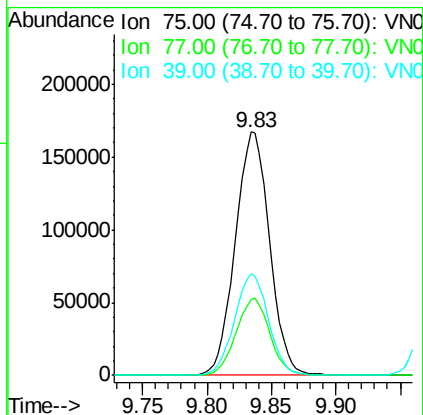
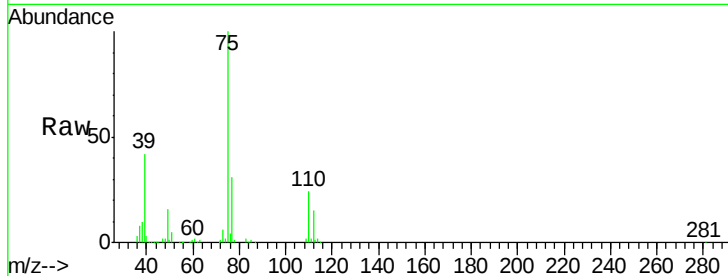


#49

cis-1,3-Dichloropropene
 Concen: 19.509 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

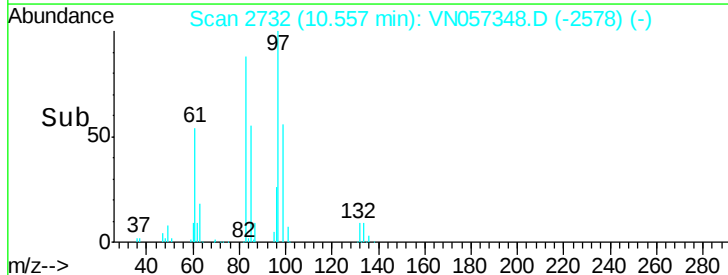
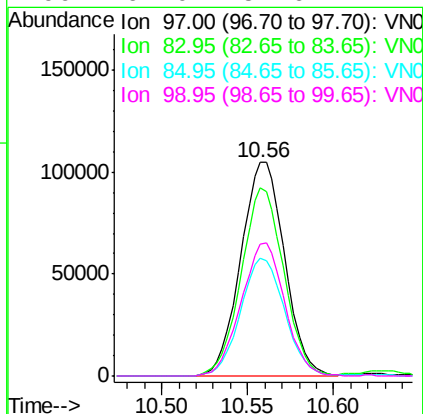
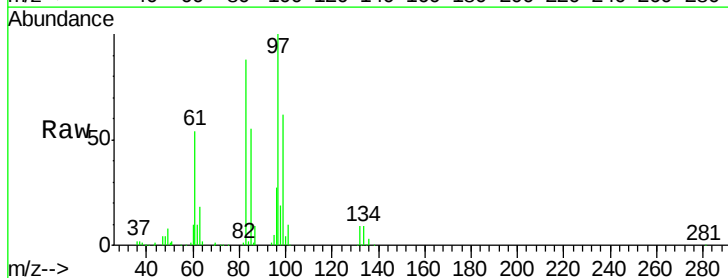
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.0	39.0
39	41.5	36.2	54.4

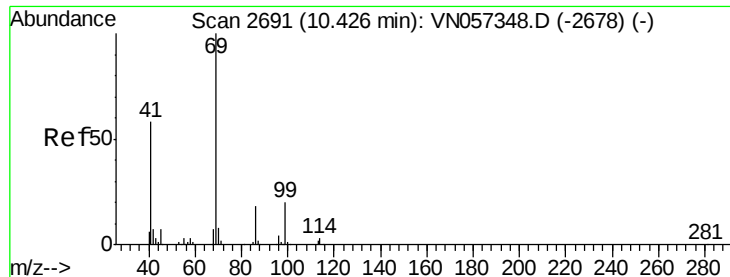


#50

1,1,2-Trichloroethane
 Concen: 18.306 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.2	103.8
85	54.9	45.3	67.9
99	62.0	51.6	77.4





#51

Ethyl methacrylate

Concen: 16.745 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

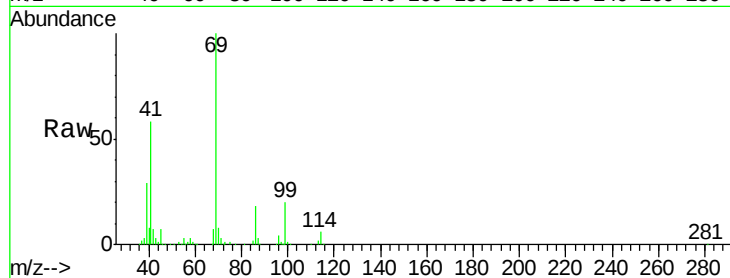
Tot Ion: 69 Resp: 260622

Ion Ratio Lower Upper

69 100

41 58.3 32.8 98.3

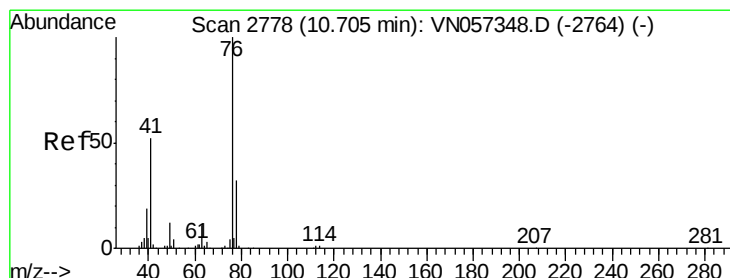
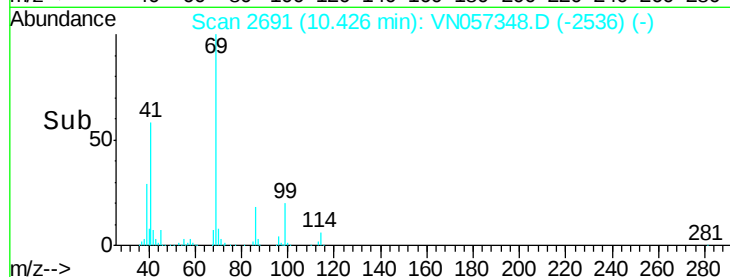
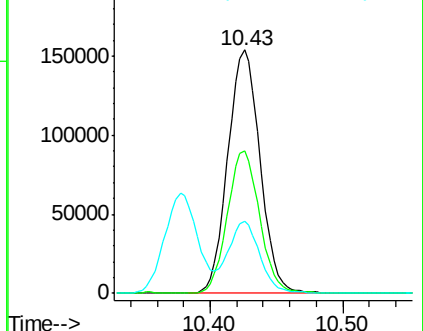
39 29.2 15.4 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN057348.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN057348.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN057348.D (-2678) (-)



#52

1,3-Dichloropropane

Concen: 17.909 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN057348.D

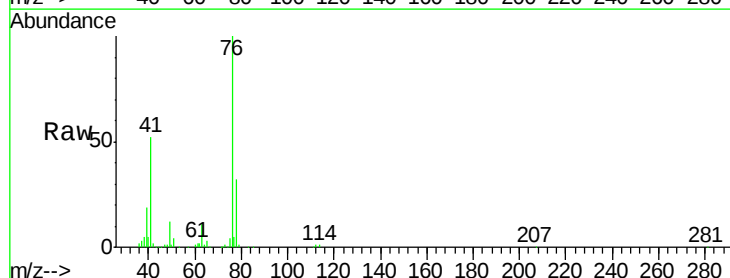
Acq: 16 Aug 2019 11:53

Tgt Ion: 76 Resp: 303210

Ion Ratio Lower Upper

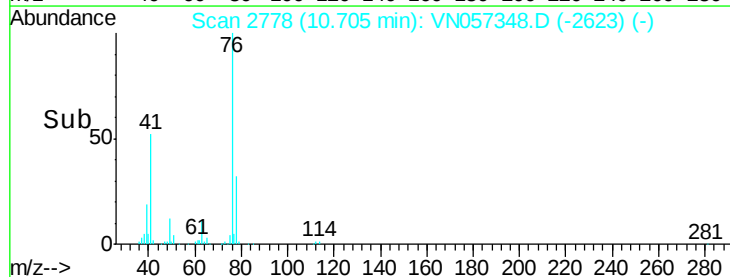
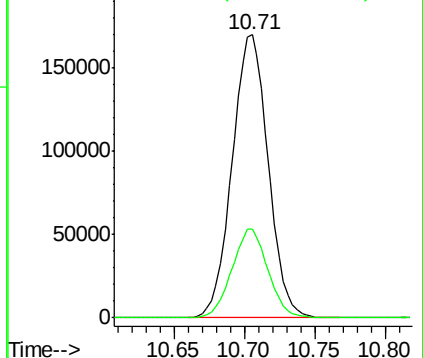
76 100

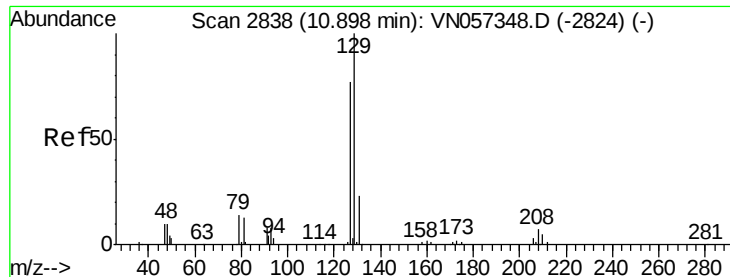
78 31.4 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN057348.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN057348.D (-2764) (-)





#53

Dibromochloromethane

Concen: 20.640 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

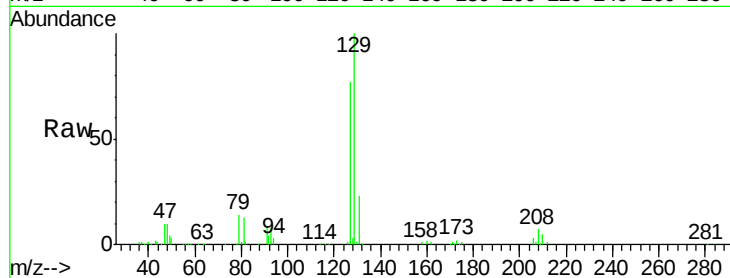
VSTDICCC020

Tot Ion:129 Resp: 211070

Ion Ratio Lower Upper

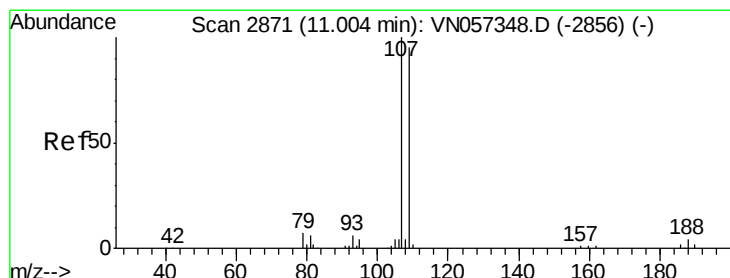
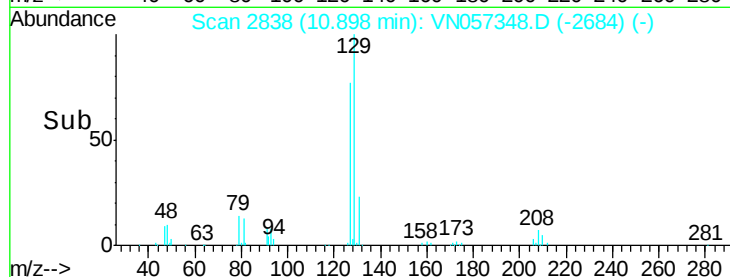
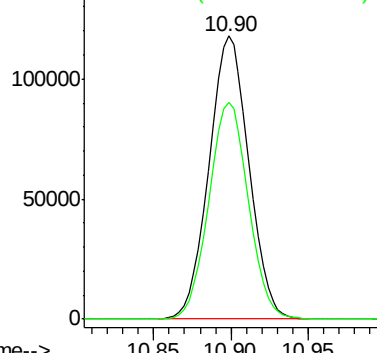
129 100

127 76.1 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.535 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN057348.D

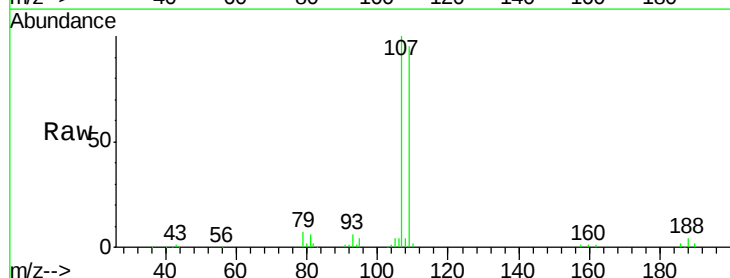
Acq: 16 Aug 2019 11:53

Tgt Ion:107 Resp: 194917

Ion Ratio Lower Upper

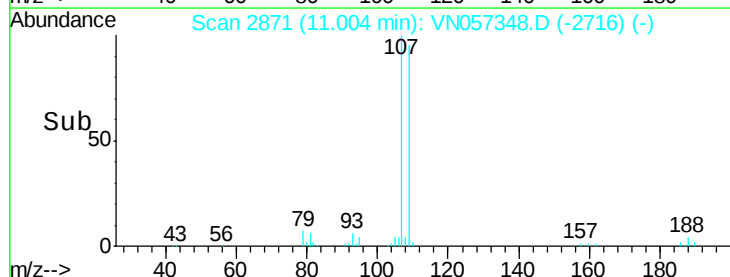
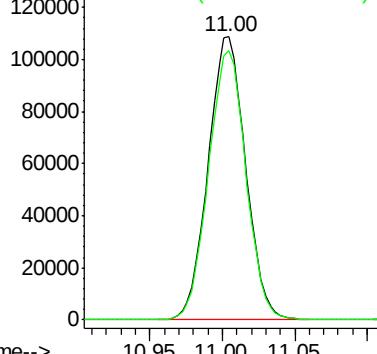
107 100

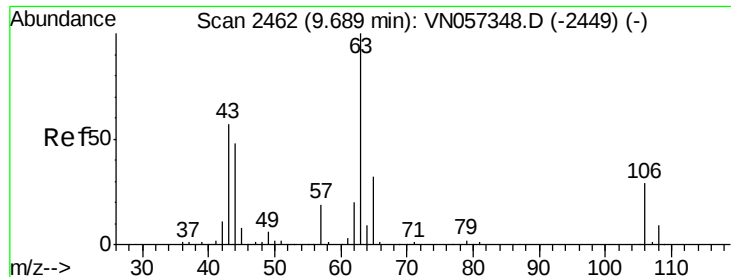
109 95.3 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

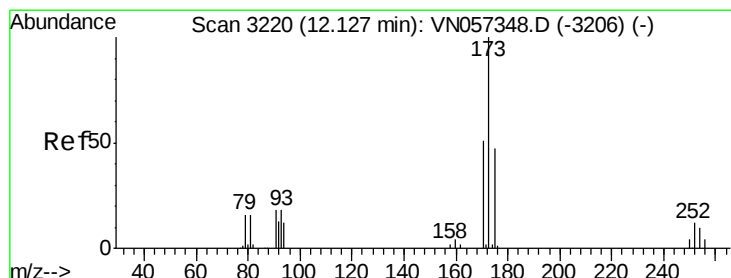
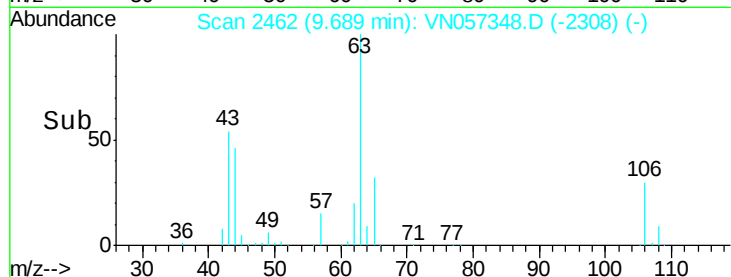
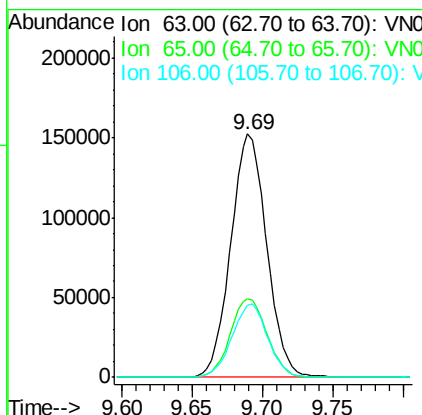
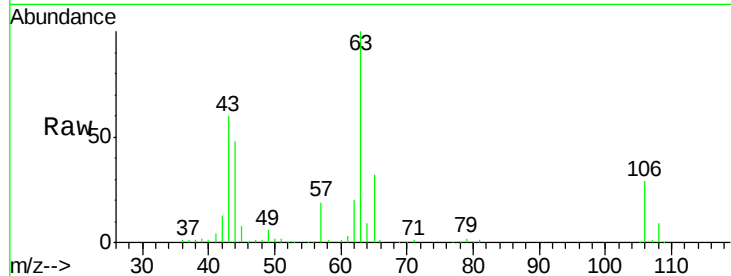




#55
2-Chloroethyl vinyl ether
Concen: 36.141 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

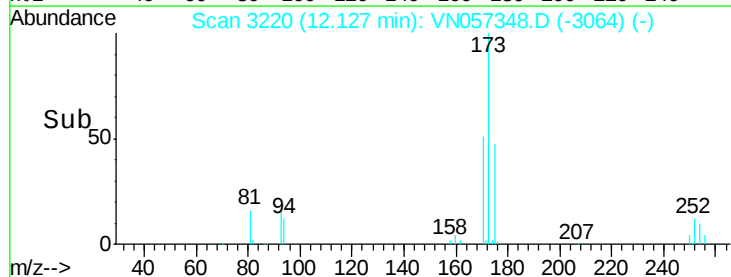
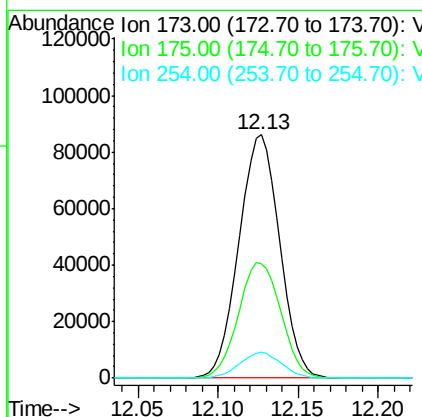
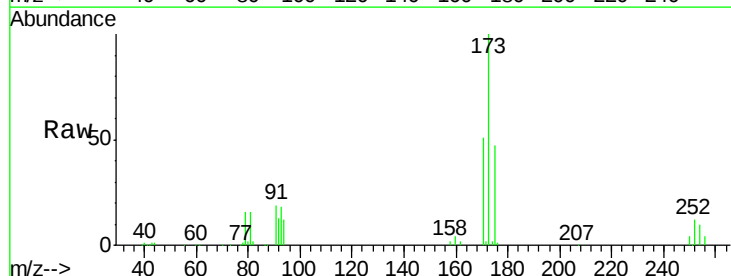
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

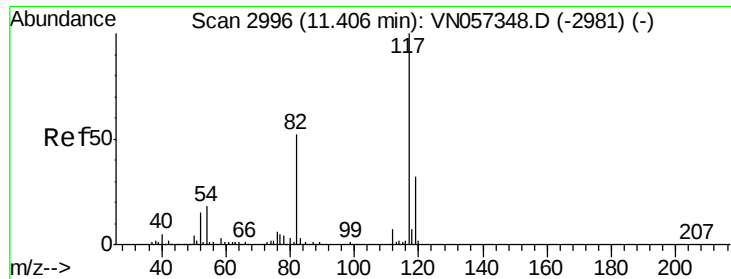
Tot Ion: 63 Resp: 272006
Ion Ratio Lower Upper
63 100
65 33.1 25.2 37.8
106 30.1 21.6 32.4



#56
Bromoform
Concen: 19.798 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion: 173 Resp: 149878
Ion Ratio Lower Upper
173 100
175 49.4 39.7 59.5
254 10.8 7.8 11.8

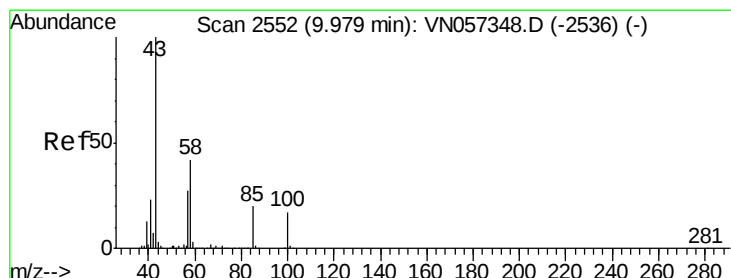
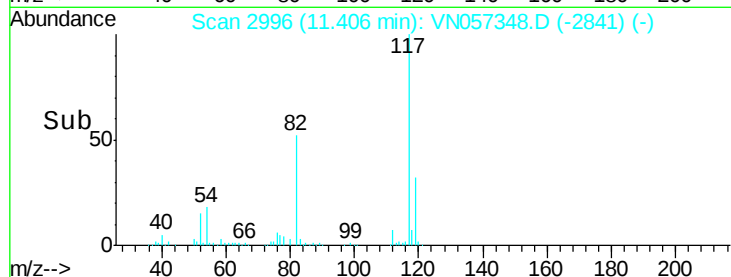
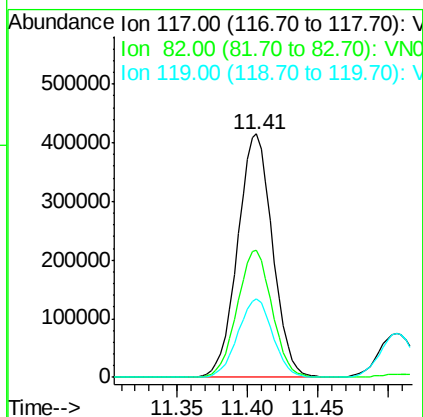
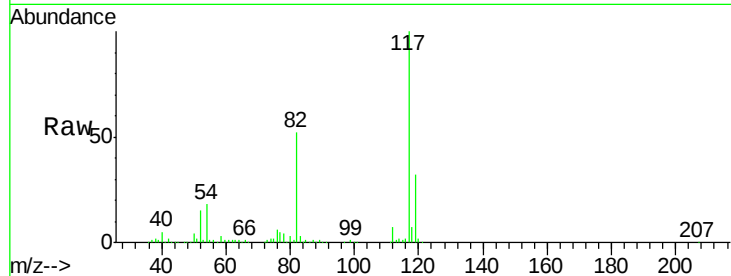




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

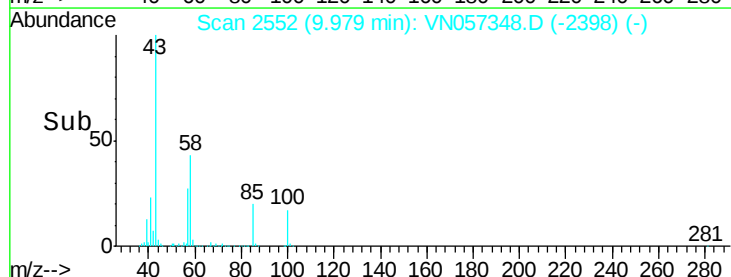
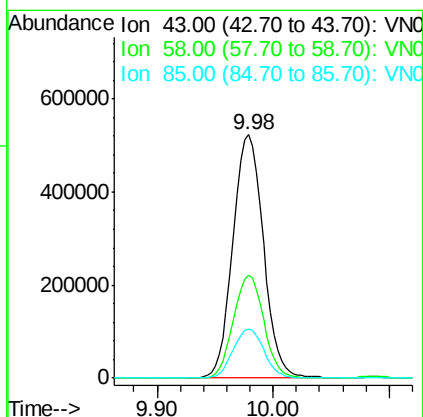
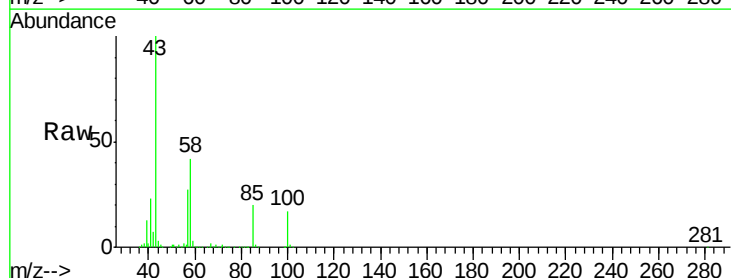
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

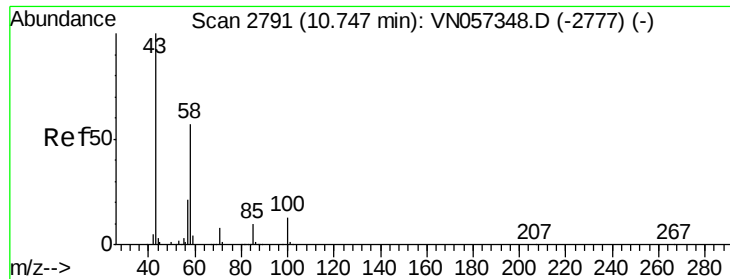
Tot Ion:117 Resp: 718199
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 32.3 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 70.666 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion: 43 Resp: 955232
Ion Ratio Lower Upper
43 100
58 42.1 31.9 47.9
85 20.5 14.2 21.4

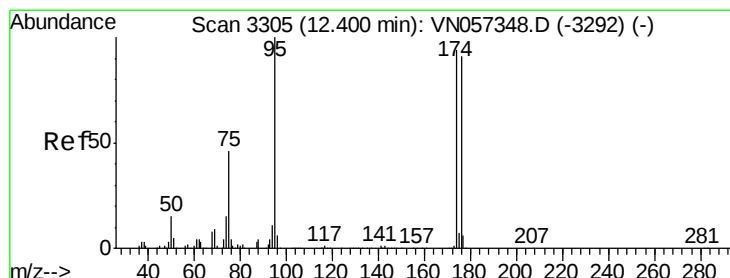
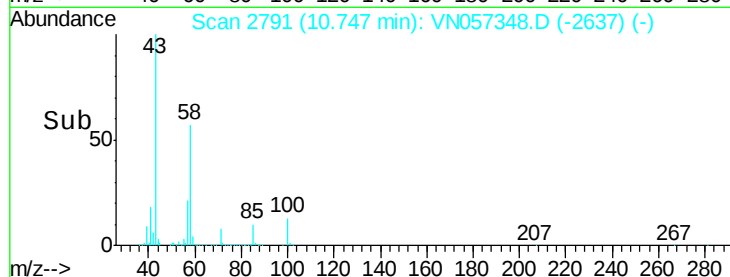
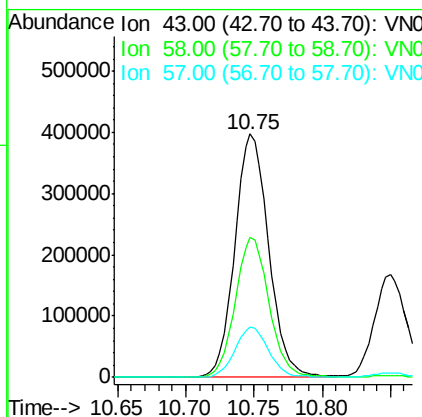
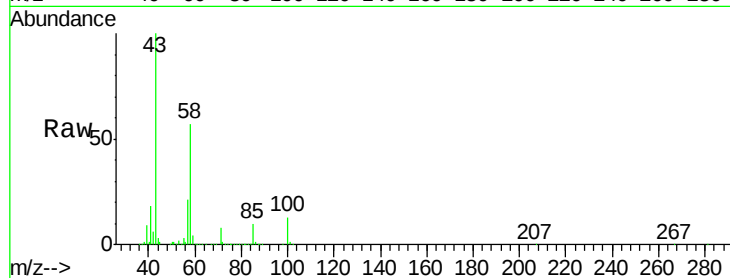




#59
2-Hexanone
Concen: 66.631 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

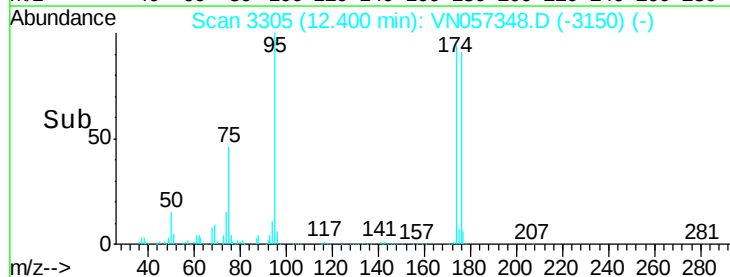
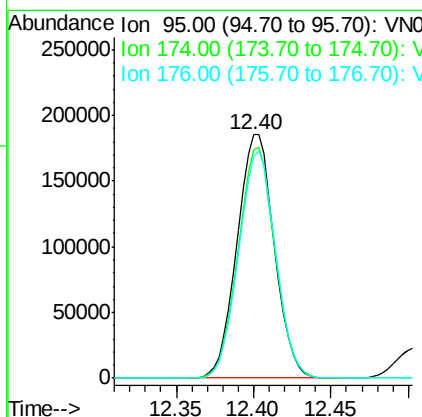
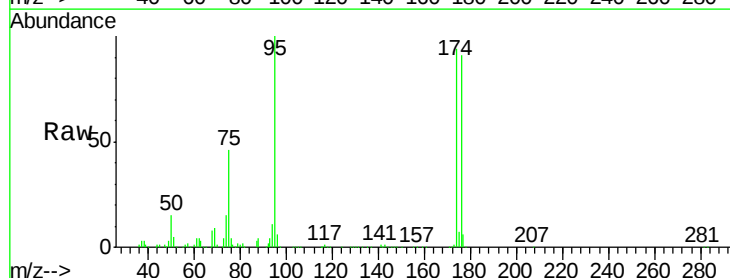
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

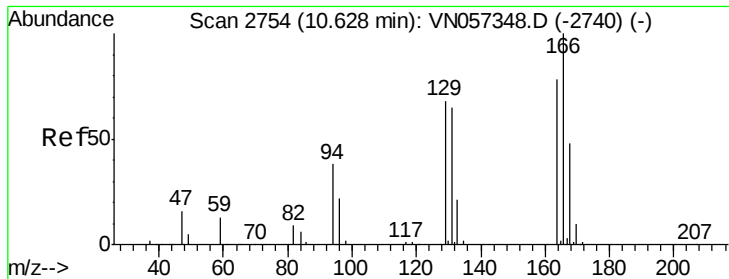
Tot Ion: 43 Resp: 683698
Ion Ratio Lower Upper
43 100
58 57.2 44.4 66.6
57 20.5 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 28.263 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion: 95 Resp: 310659
Ion Ratio Lower Upper
95 100
174 93.9 72.6 108.8
176 92.5 71.0 106.6





#61

Tetrachloroethene

Concen: 21.964 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 226669

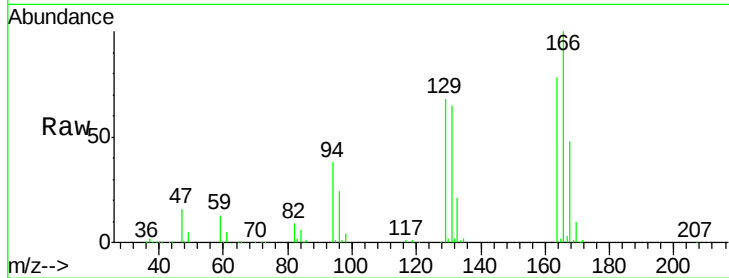
Ion Ratio Lower Upper

164 100

166 128.5 102.3 153.5

129 87.4 72.6 108.8

131 83.4 71.4 107.2

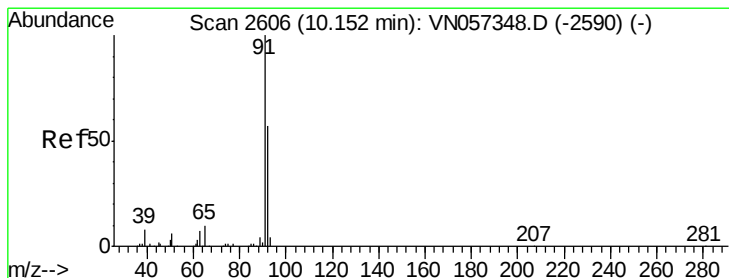
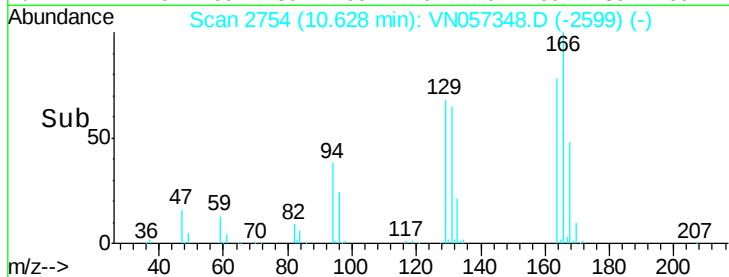
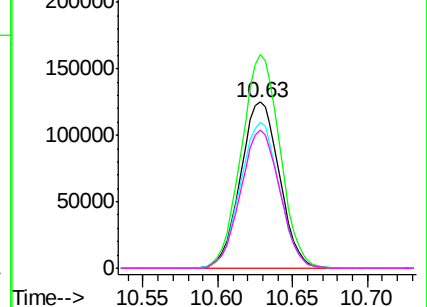


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.537 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057348.D

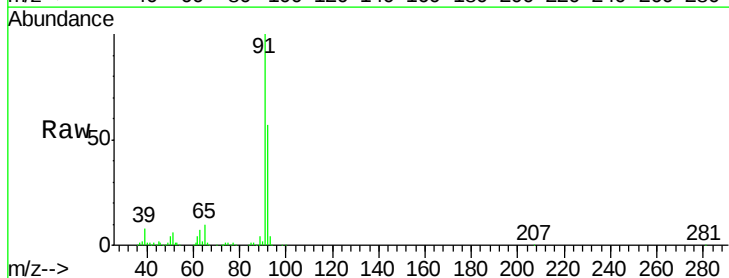
Acq: 16 Aug 2019 11:53

Tgt Ion: 91 Resp: 824136

Ion Ratio Lower Upper

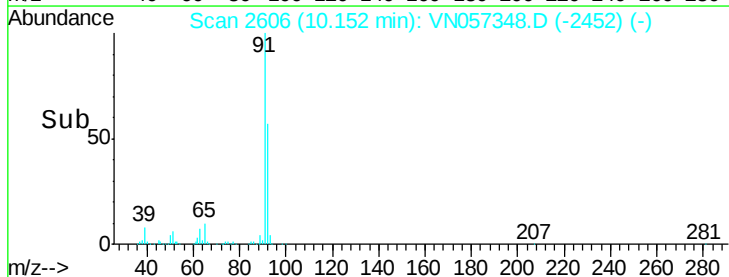
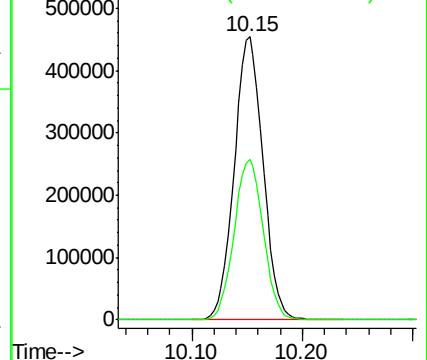
91 100

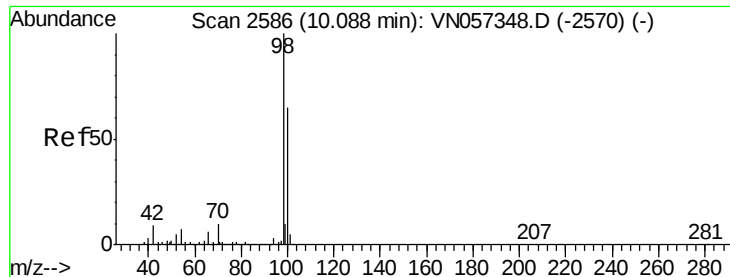
92 57.4 46.7 70.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.299 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

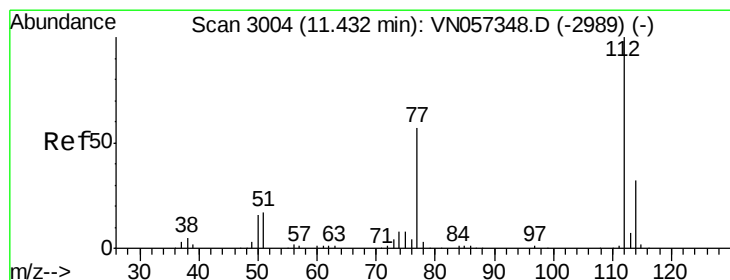
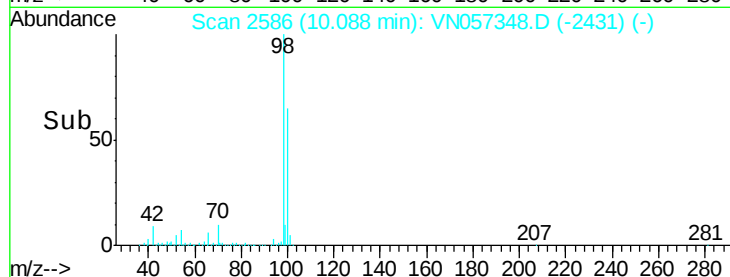
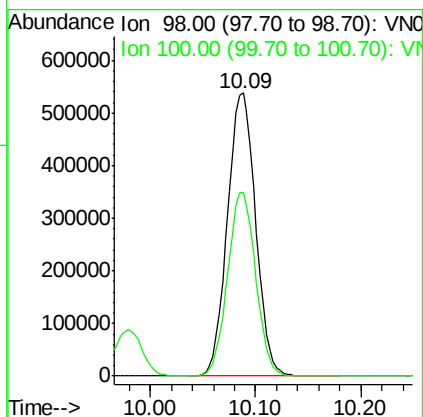
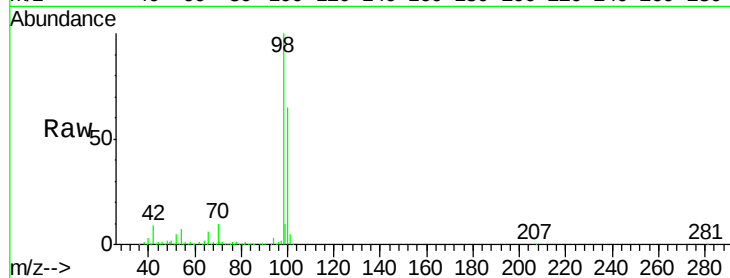
VSTDICCC020

Tot Ion: 98 Resp: 994265

Ion Ratio Lower Upper

98 100

100 64.7 51.1 76.7



#64

Chlorobenzene

Concen: 19.627 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN057348.D

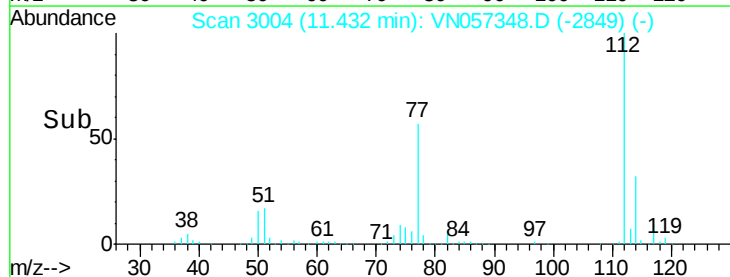
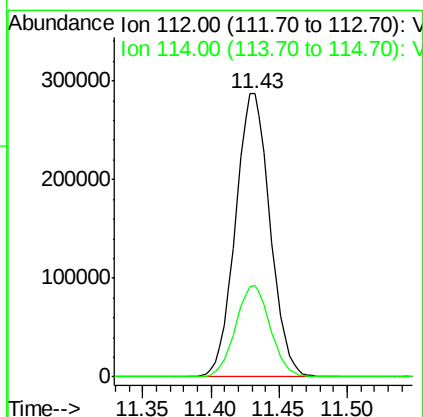
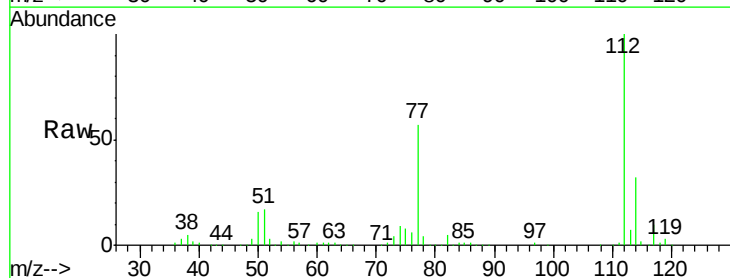
Acq: 16 Aug 2019 11:53

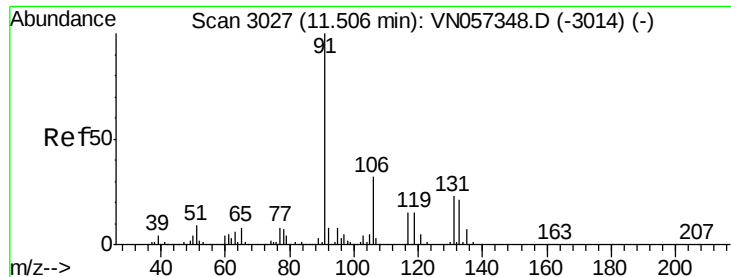
Tgt Ion: 112 Resp: 504953

Ion Ratio Lower Upper

112 100

114 32.4 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 21.339 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

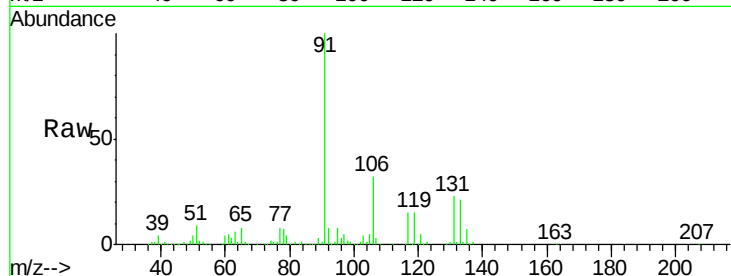
Tot Ion:131 Resp: 201278

Ion Ratio Lower Upper

131 100

133 94.3 0.0 191.4

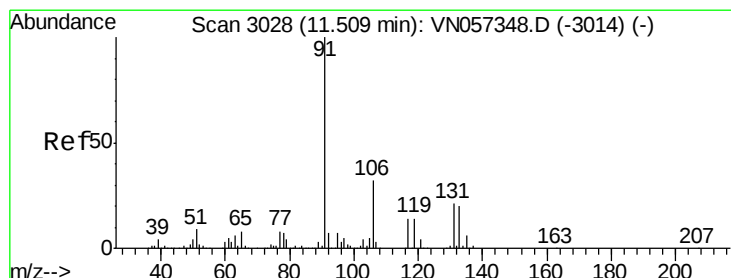
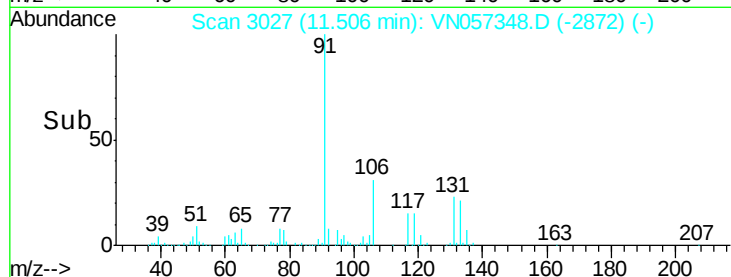
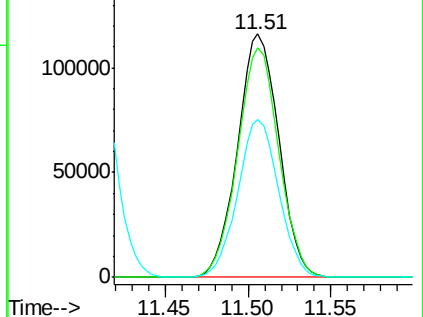
119 64.4 0.0 133.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.405 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057348.D

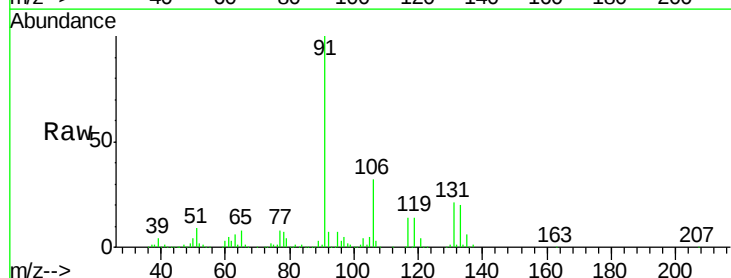
Acq: 16 Aug 2019 11:53

Tgt Ion: 91 Resp: 884804

Ion Ratio Lower Upper

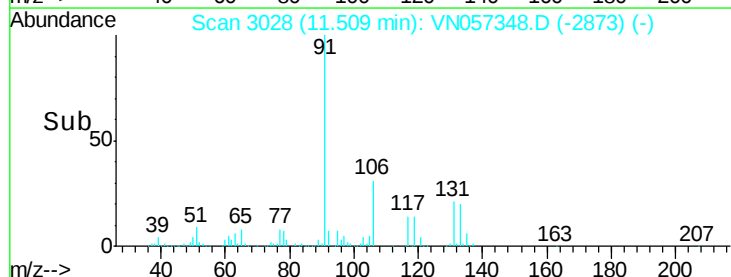
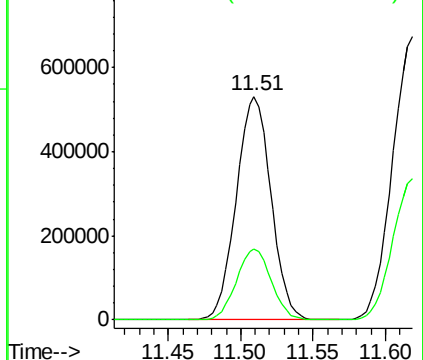
91 100

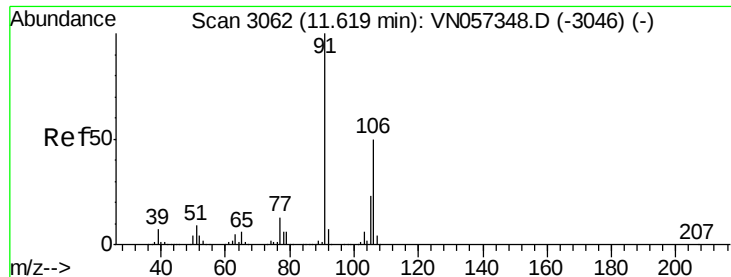
106 32.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

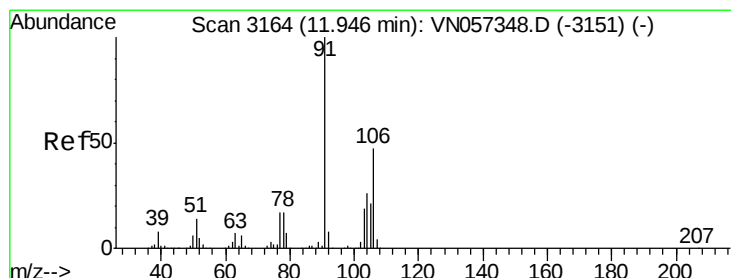
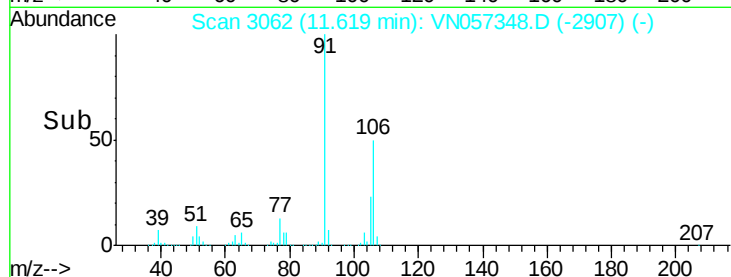
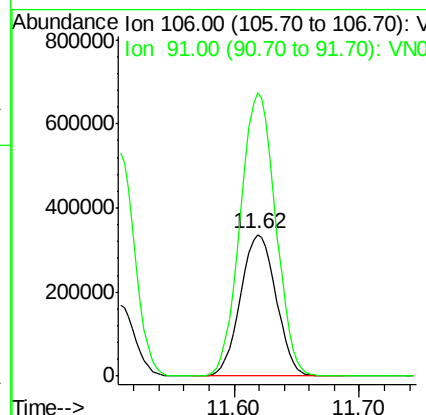
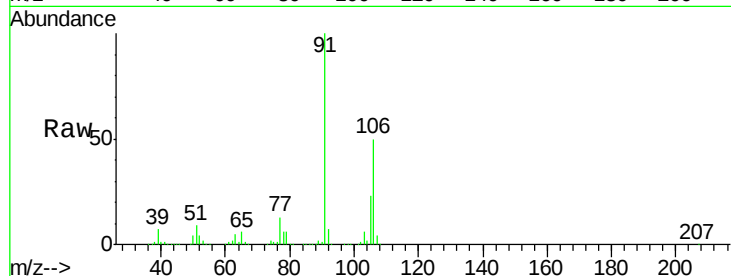




#67
m/p-Xylenes
Concen: 38.532 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

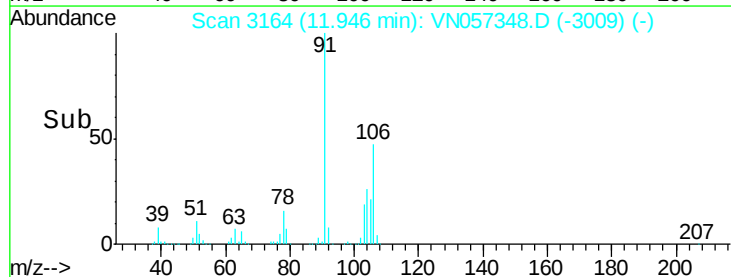
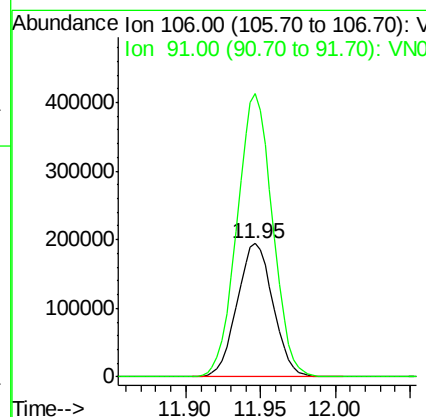
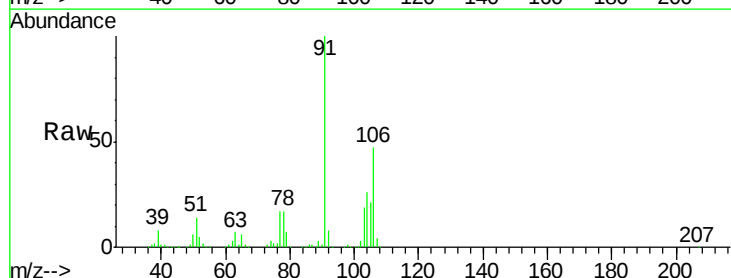
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

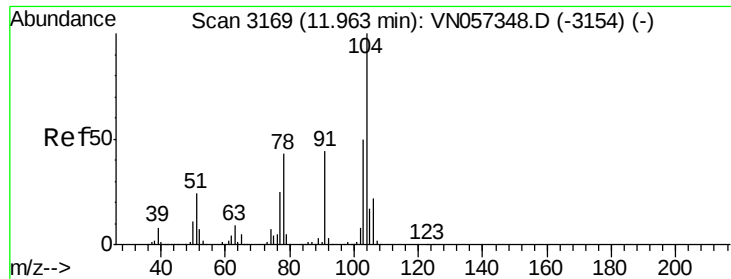
Tot Ion:106 Resp: 663045
Ion Ratio Lower Upper
106 100
91 199.3 161.8 242.8



#68
o-Xylene
Concen: 19.378 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion:106 Resp: 325247
Ion Ratio Lower Upper
106 100
91 209.7 108.1 324.2

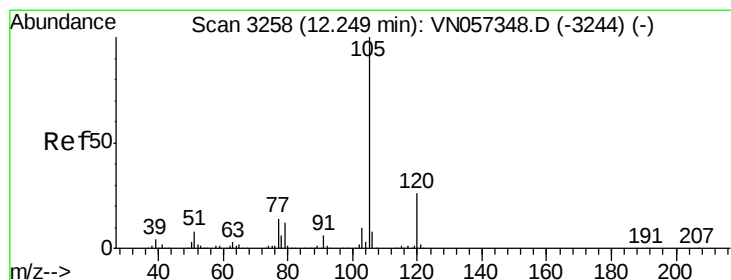
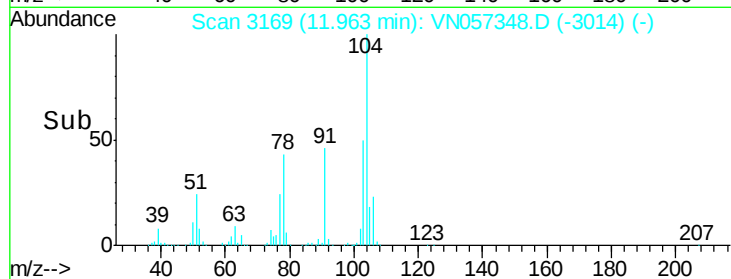
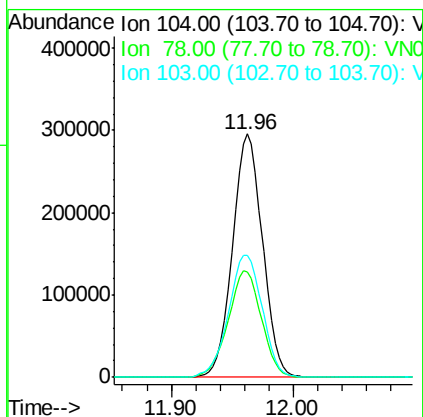
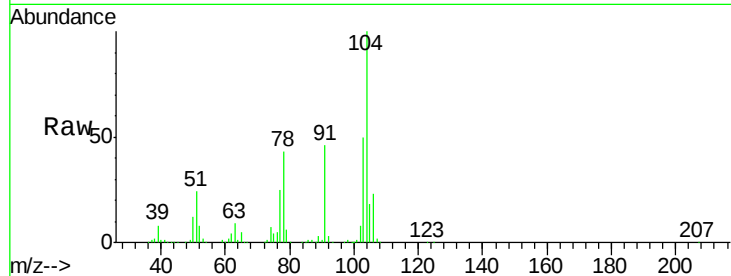




#69
Stvrene
Concen: 18.163 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

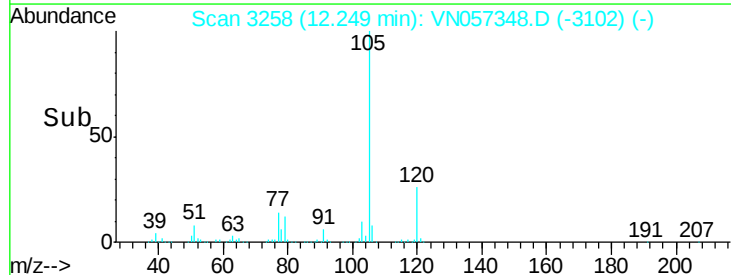
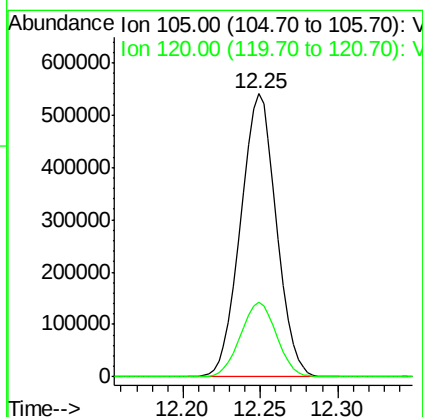
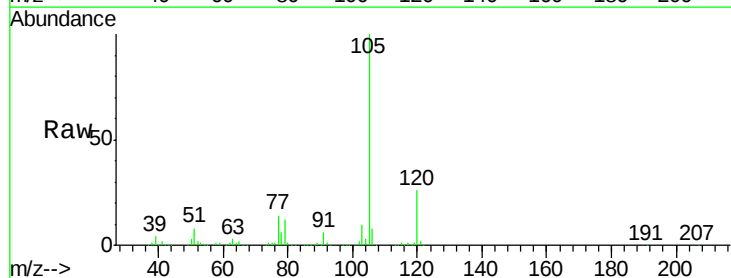
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

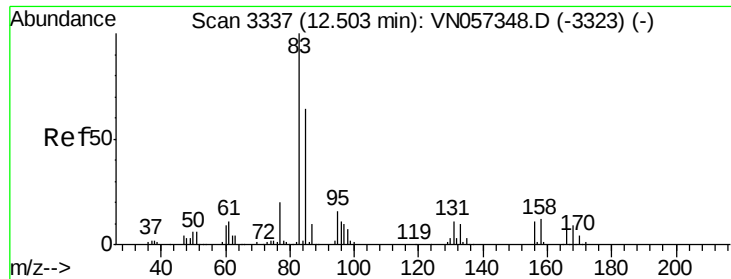
Tot Ion:104 Resp: 505122
Ion Ratio Lower Upper
104 100
78 48.7 38.7 58.1
103 56.7 45.0 67.4



#70
Isopropylbenzene
Concen: 19.778 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion:105 Resp: 870121
Ion Ratio Lower Upper
105 100
120 26.6 18.6 34.5

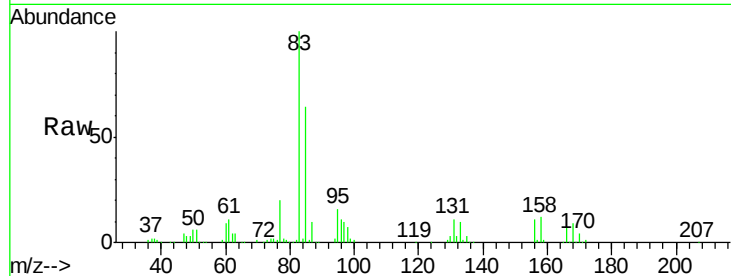




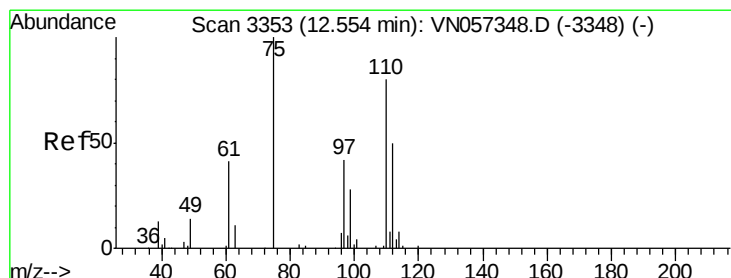
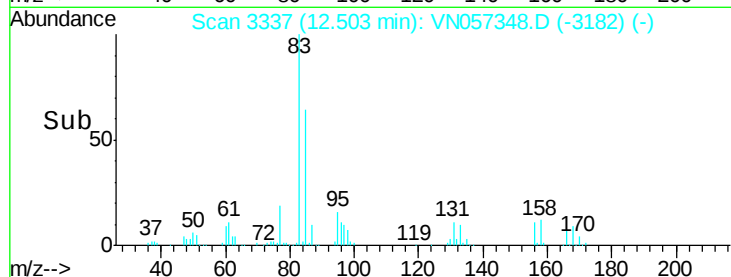
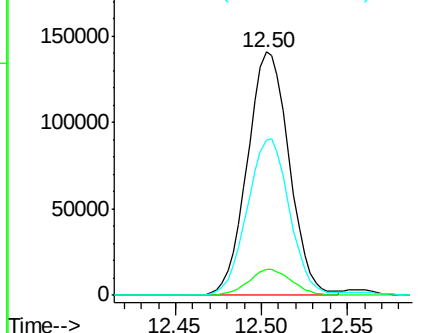
#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.681 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	238194
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.1	15.3
85	64.7	31.9	95.7

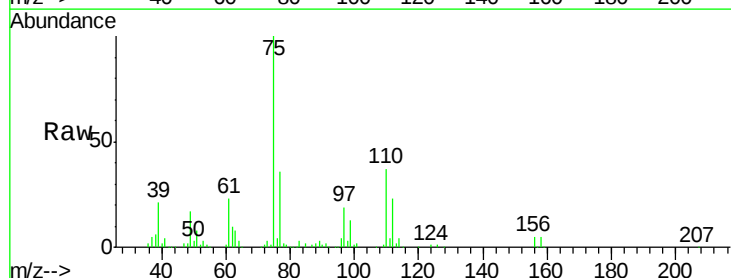


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

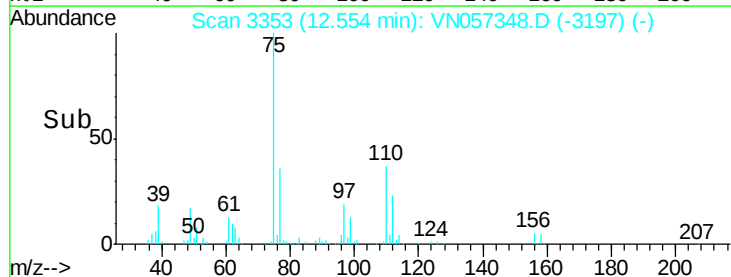
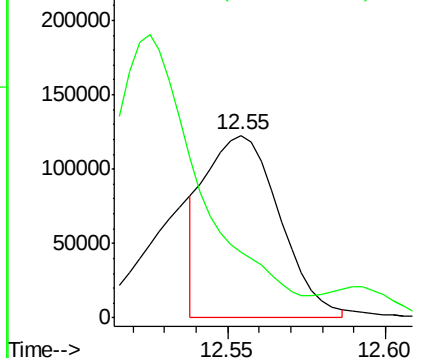


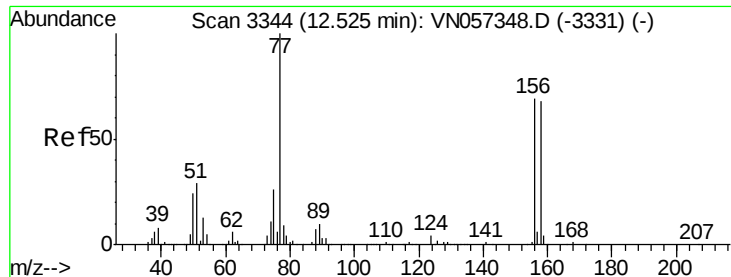
#72
 1,2,3-Trichloropropane
 Concen: 16.373 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Tgt Ion	75	Resp	199822
Ion Ratio	Lower	Upper	
75	100		
77	194.5	0.0	352.2



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.147 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

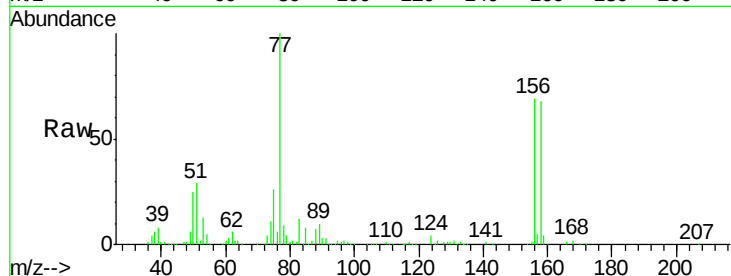
Tot Ion:156 Resp: 220129

Ion Ratio Lower Upper

156 100

77 176.5 0.0 381.8

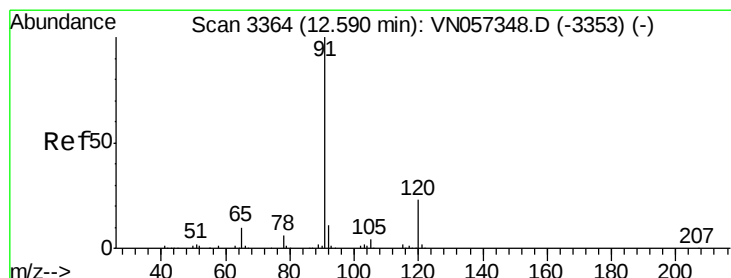
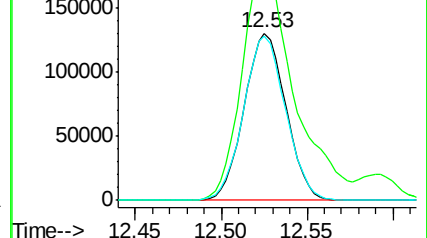
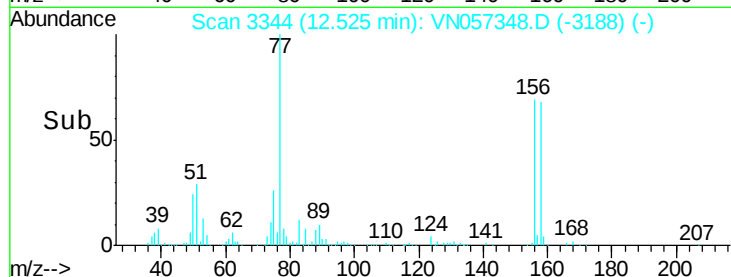
158 98.9 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.347 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057348.D

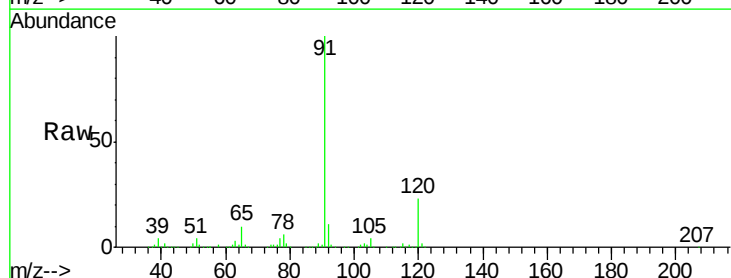
Acq: 16 Aug 2019 11:53

Tgt Ion: 91 Resp: 861011

Ion Ratio Lower Upper

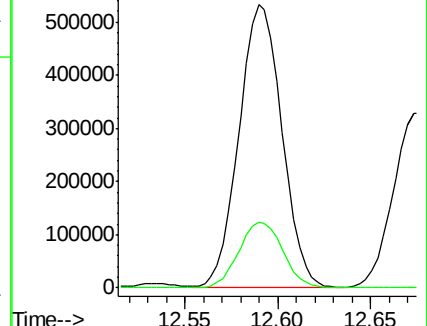
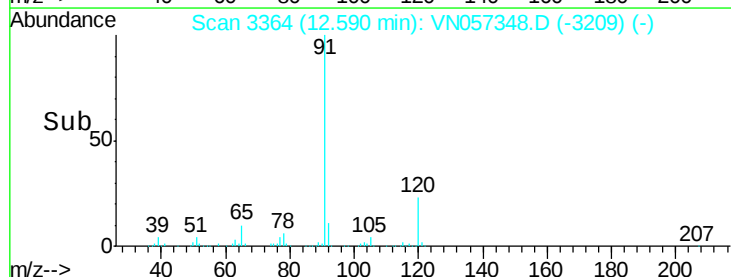
91 100

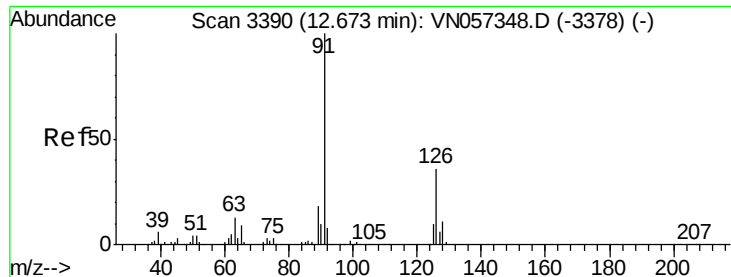
120 23.6 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.500 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

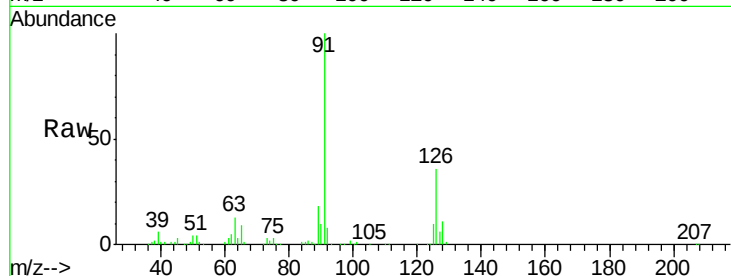
VSTDICCC020

Tot Ion: 91 Resp: 553022

Ion Ratio Lower Upper

91 100

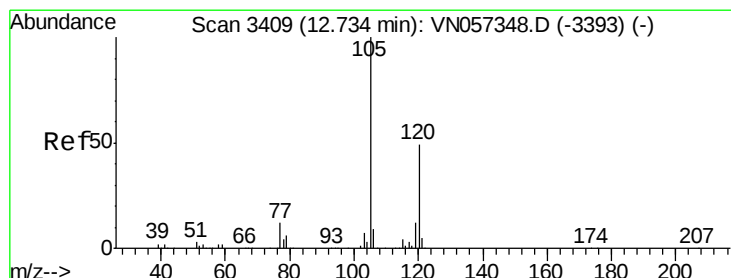
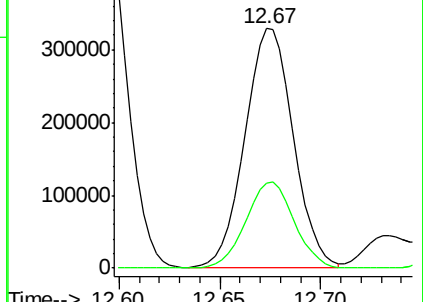
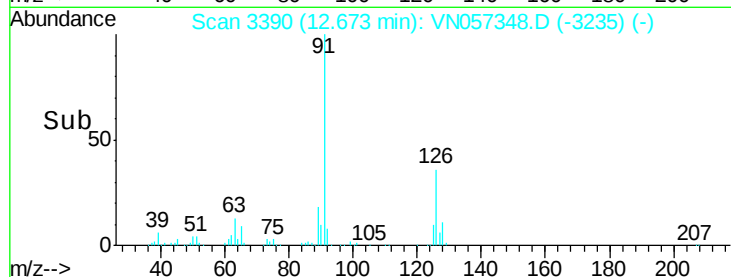
126 35.9 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN057348.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN057348.D (-3378) (-)

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.208 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057348.D

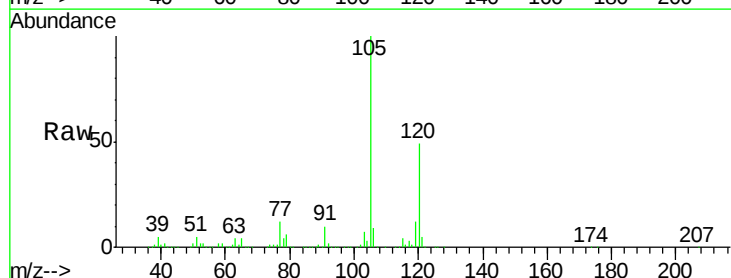
Acq: 16 Aug 2019 11:53

Tgt Ion: 105 Resp: 720797

Ion Ratio Lower Upper

105 100

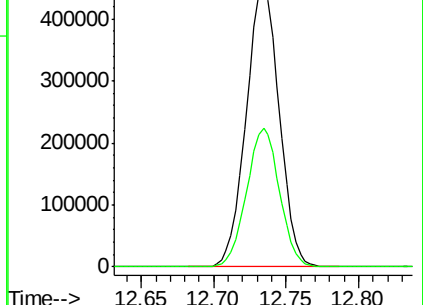
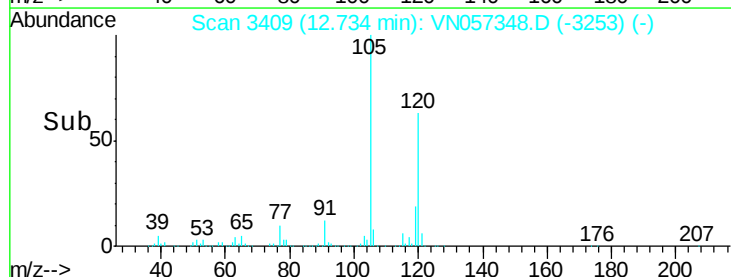
120 49.1 0.0 97.6

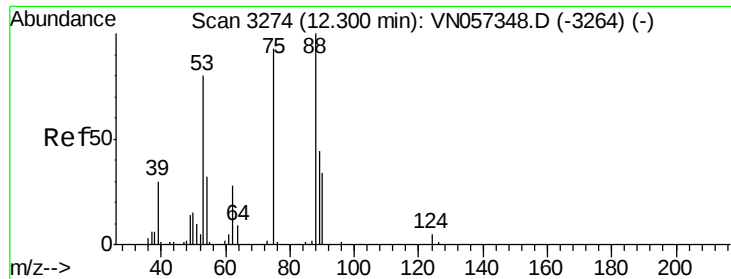


Abundance Ion 105.00 (104.70 to 105.70): VN057348.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057348.D (-3393) (-)

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.441 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

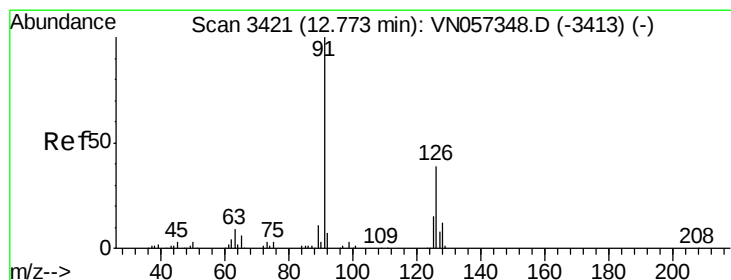
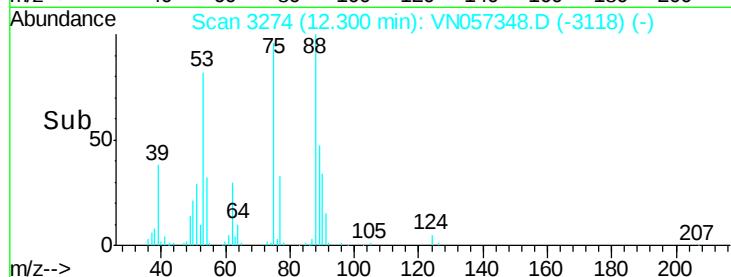
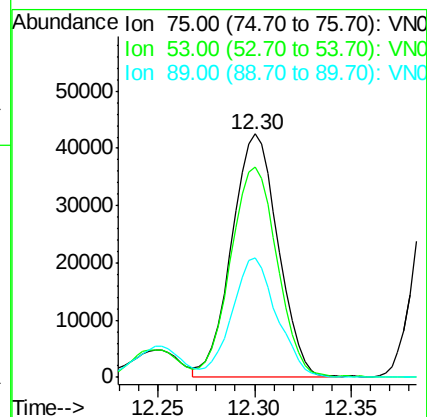
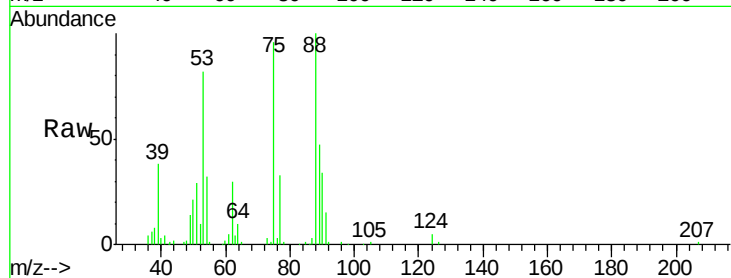
Tot Ion: 75 Resp: 70757

Ion Ratio Lower Upper

75 100

53 86.2 48.6 145.8

89 49.5 21.3 64.0



#78

4-Chlorotoluene

Concen: 16.623 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057348.D

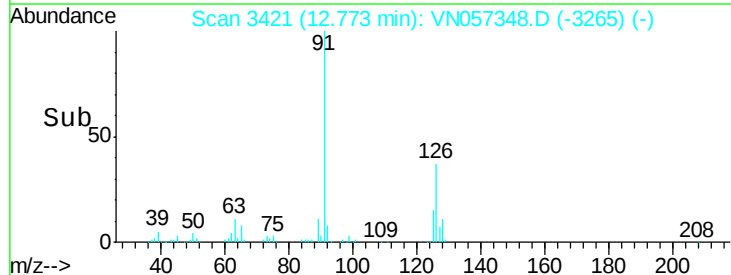
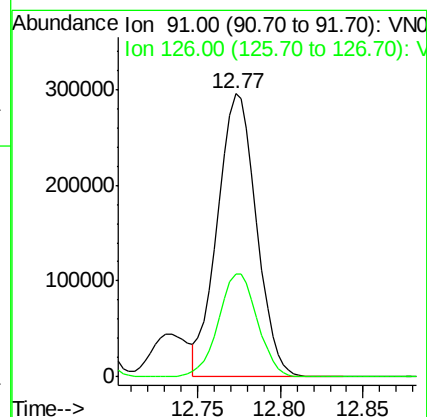
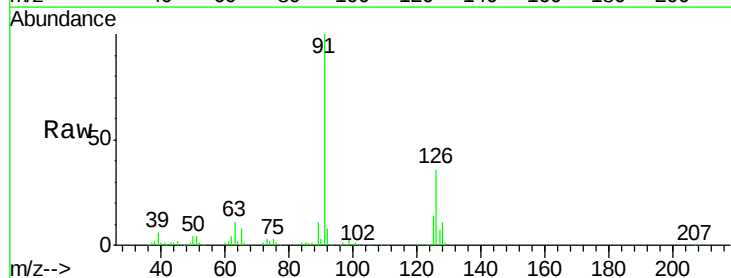
Acq: 16 Aug 2019 11:53

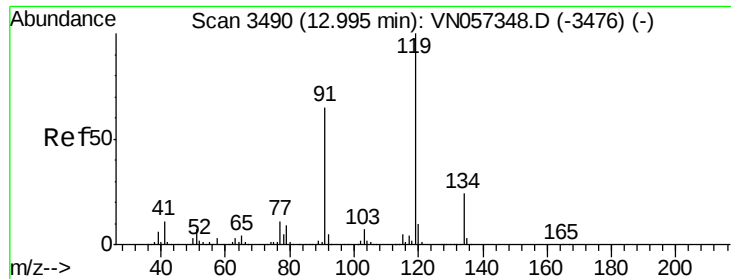
Tgt Ion: 91 Resp: 481866

Ion Ratio Lower Upper

91 100

126 36.4 0.0 69.4





#79

tert-butylbenzene

Concen: 20.009 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

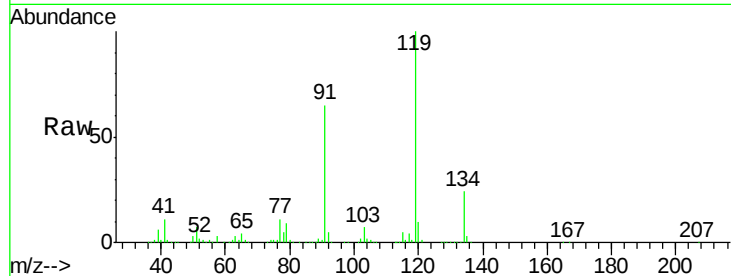
Tot Ion:119 Resp: 638749

Ion Ratio Lower Upper

119 100

91 62.5 0.0 125.4

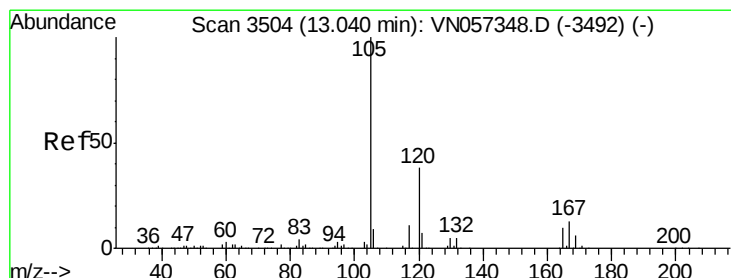
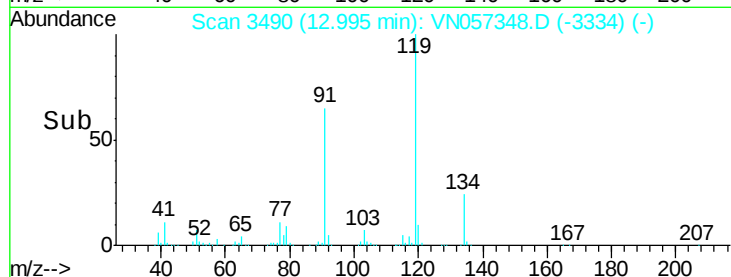
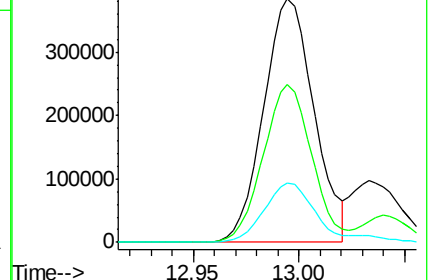
134 24.1 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 17.949 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN057348.D

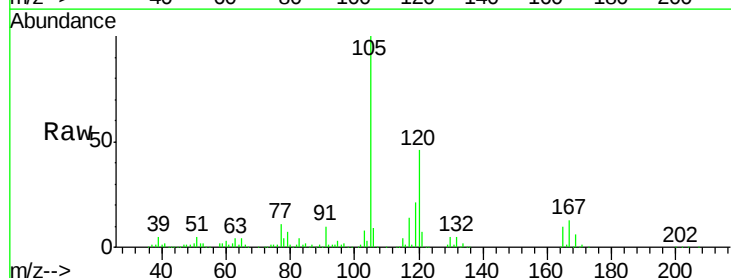
Acq: 16 Aug 2019 11:53

Tgt Ion:105 Resp: 667968

Ion Ratio Lower Upper

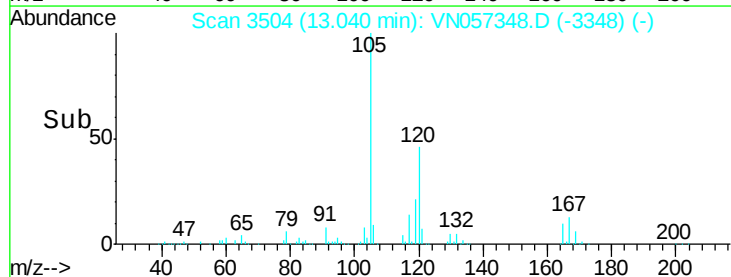
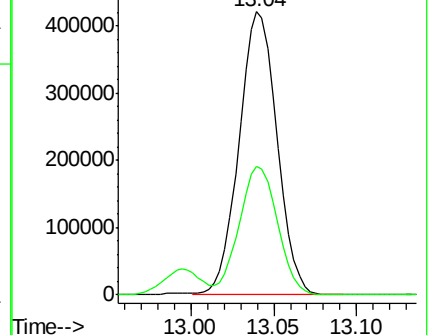
105 100

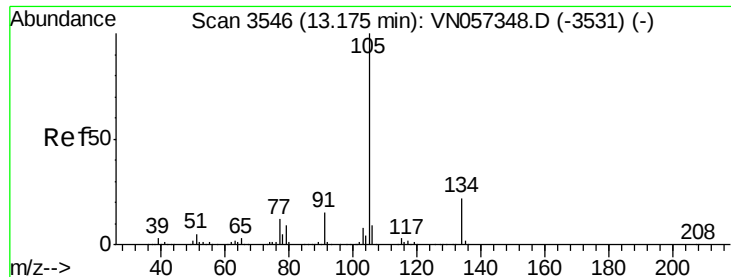
120 46.0 0.0 91.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 17.887 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

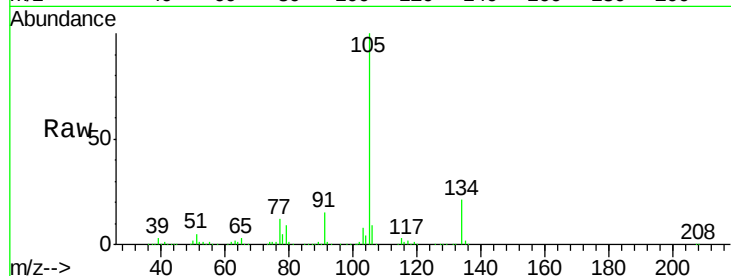
VSTDICCC020

Tot Ion:105 Resp: 755800

Ion Ratio Lower Upper

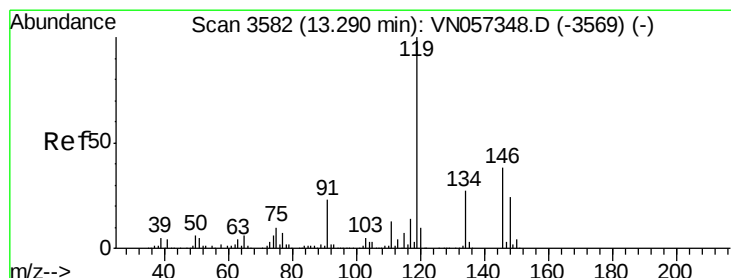
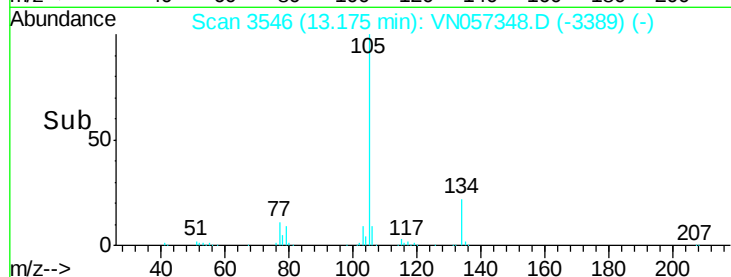
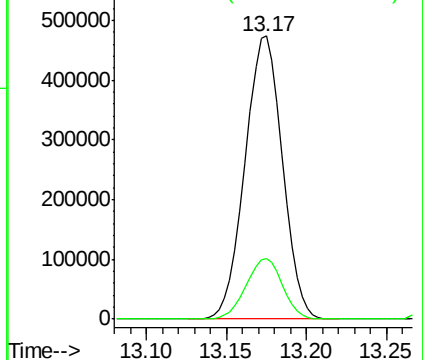
105 100

134 20.9 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 17.102 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

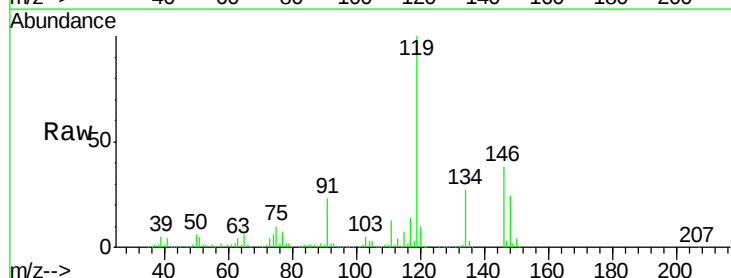
Tgt Ion:119 Resp: 657206

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.8

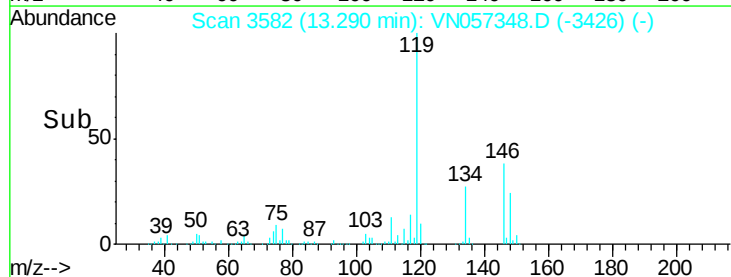
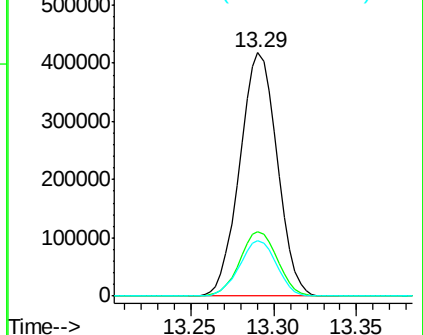
91 22.4 0.0 45.4

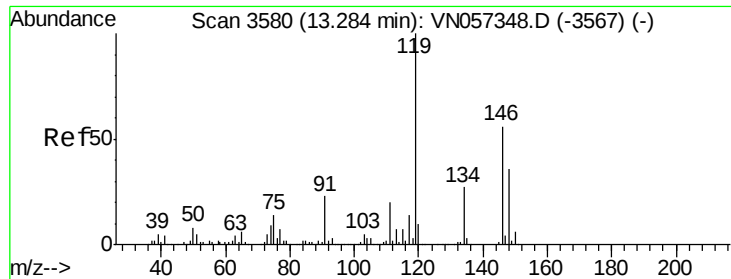


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

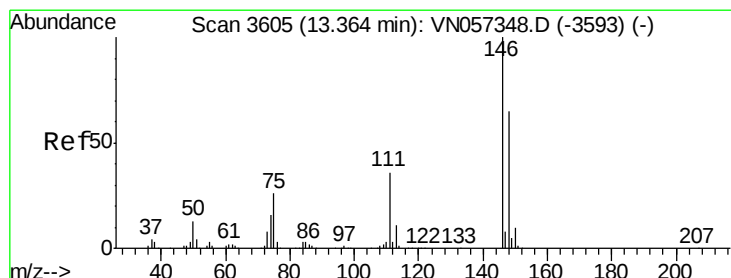
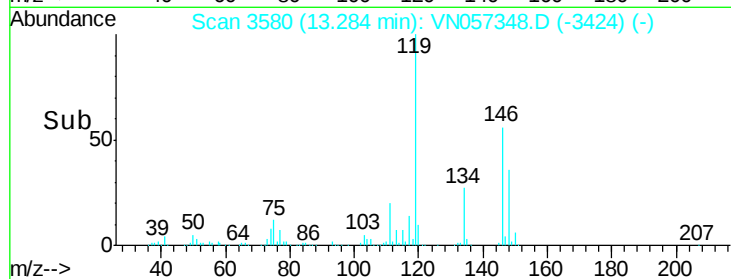
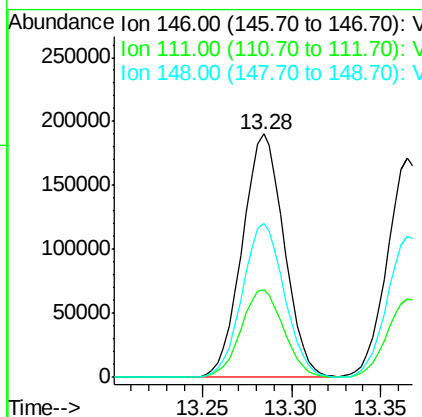
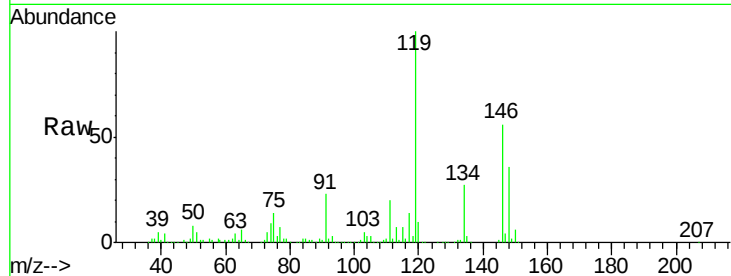




#83
 1,3-Dichlorobenzene
 Concen: 16.312 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

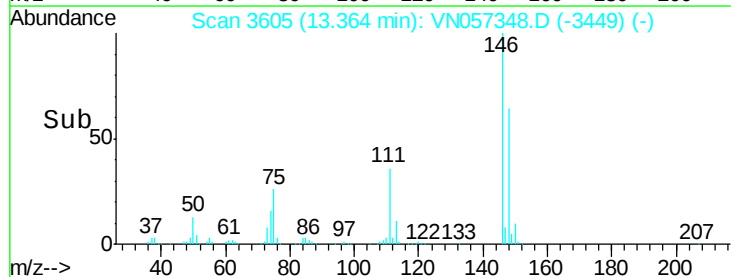
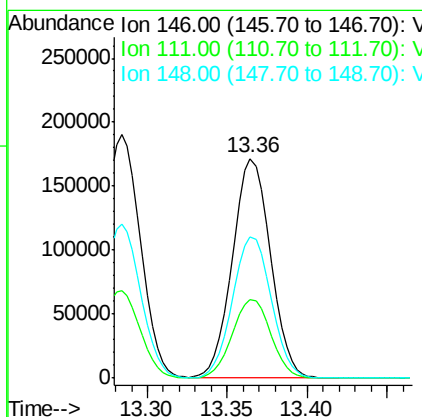
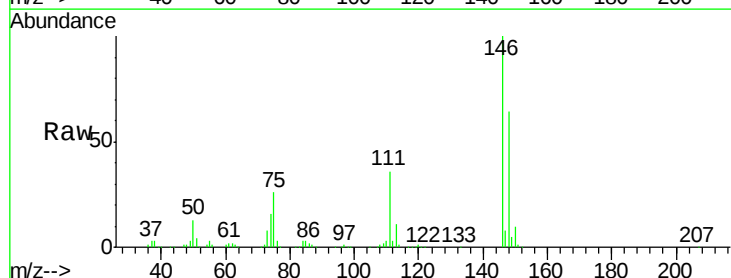
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

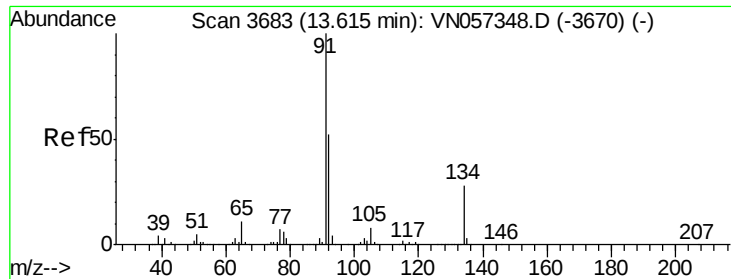
Tot Ion:146 Resp: 312559
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.7 56.1
 148 63.6 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 15.126 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Tgt Ion:146 Resp: 277831
 Ion Ratio Lower Upper
 146 100
 111 36.4 17.8 53.4
 148 65.6 31.9 95.5





#85

n-Butylbenzene

Concen: 16.001 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

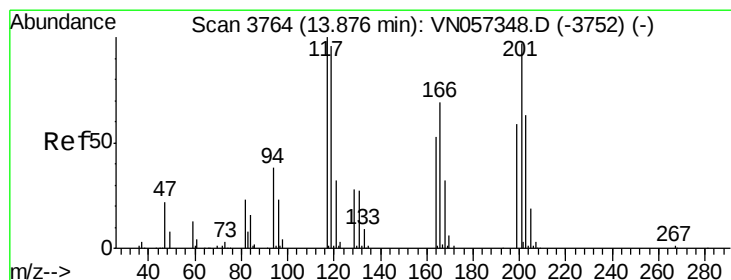
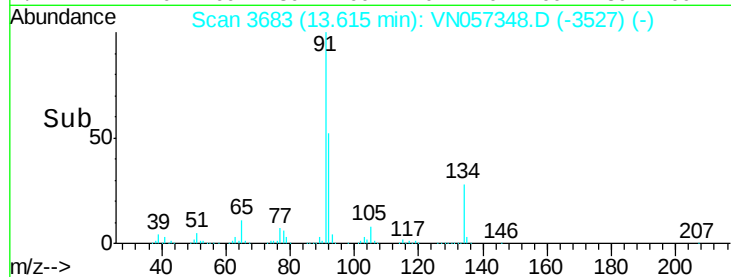
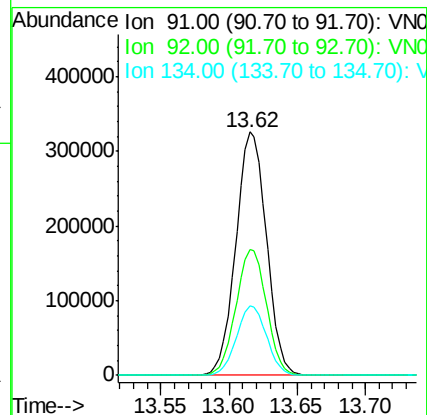
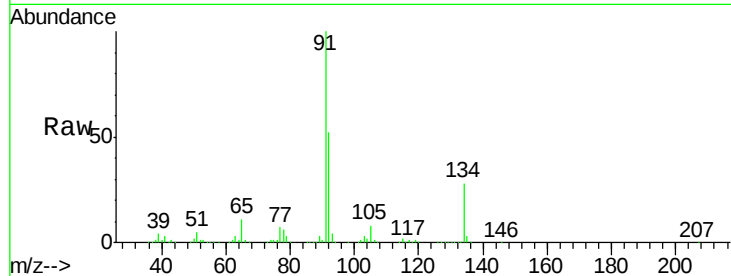
Tot Ion: 91 Resp: 507172

Ion Ratio Lower Upper

91 100

92 51.6 0.0 104.0

134 28.0 0.0 53.2



#86

Hexachloroethane

Concen: 21.733 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057348.D

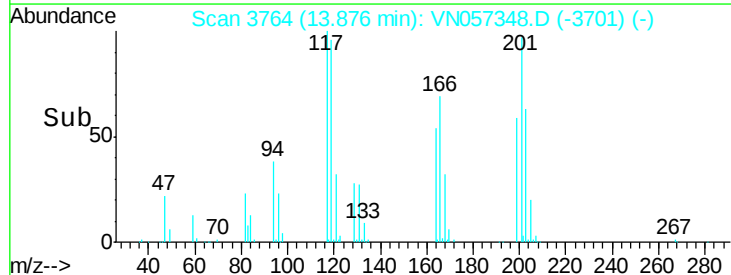
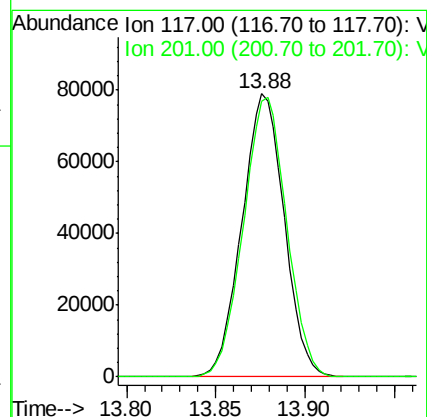
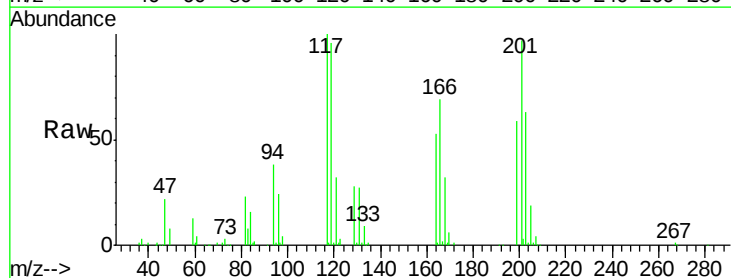
Acq: 16 Aug 2019 11:53

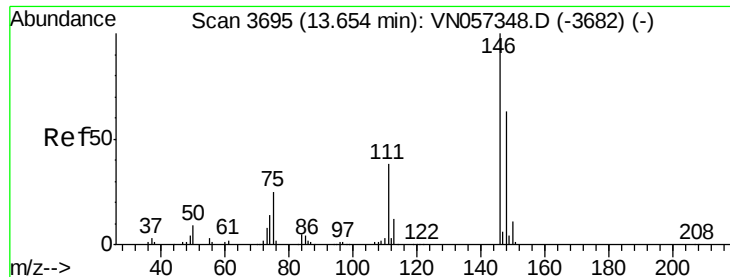
Tgt Ion: 117 Resp: 131035

Ion Ratio Lower Upper

117 100

201 100.9 45.6 136.7

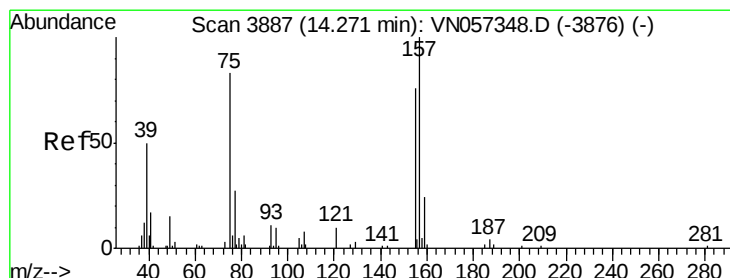
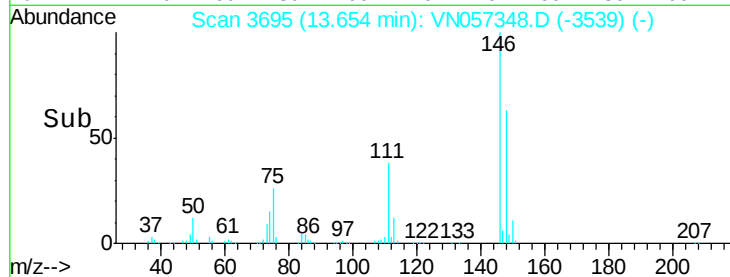
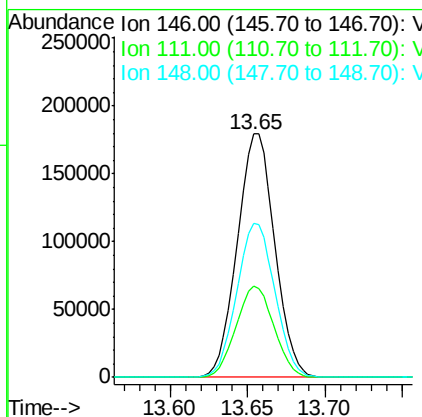
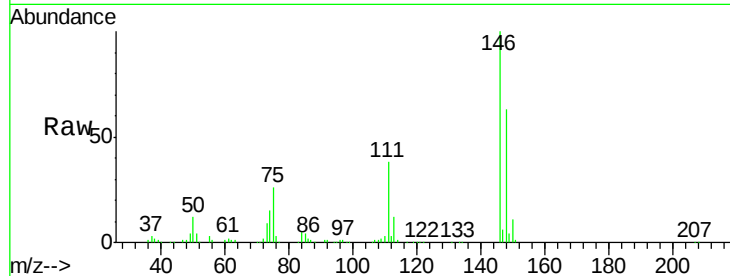




#87
 1,2-Dichlorobenzene
 Concen: 15.730 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

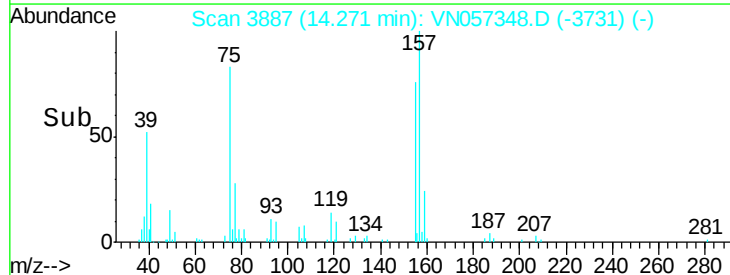
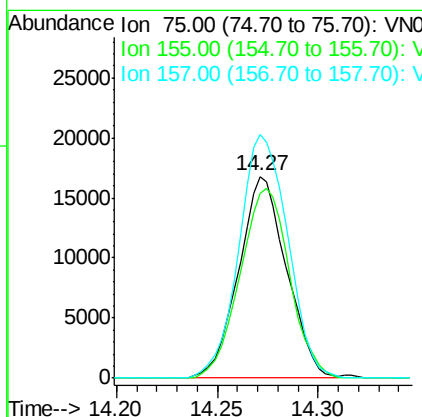
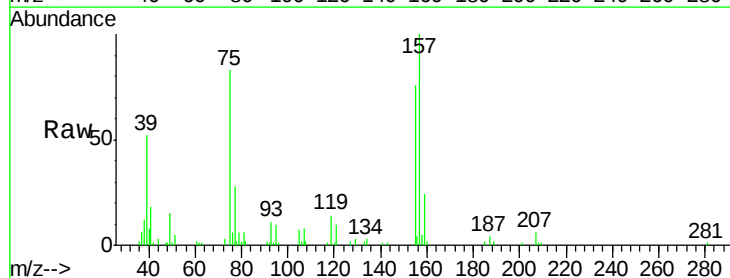
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

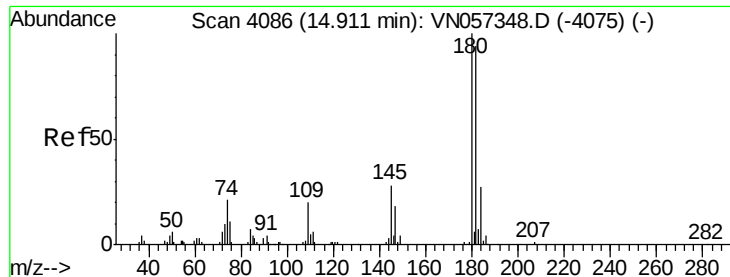
Tot Ion:146 Resp: 302903
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.7 59.0
 148 63.9 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 11.337 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Tgt Ion: 75 Resp: 27931
 Ion Ratio Lower Upper
 75 100
 155 97.0 78.6 117.8
 157 123.2 99.3 148.9

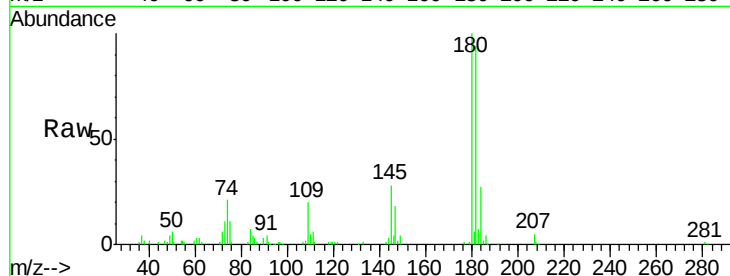




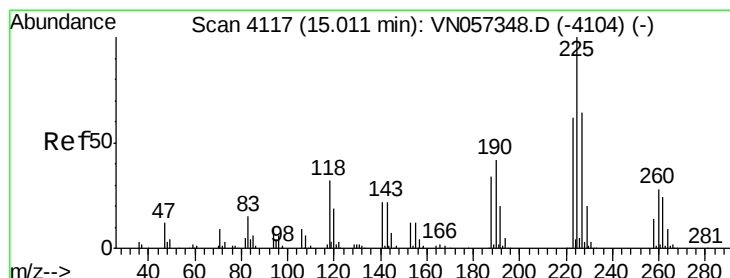
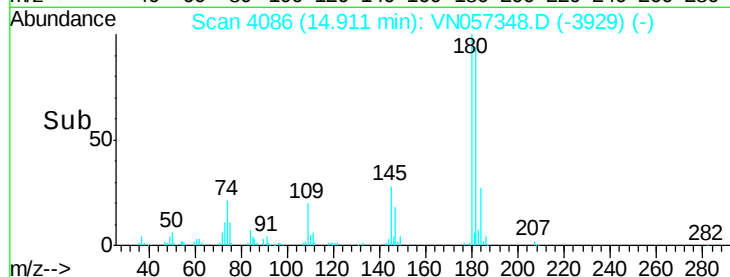
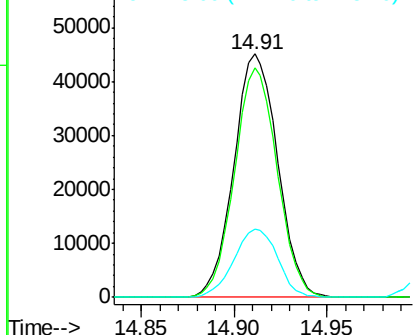
#89
 1,2,4-Trichlorobenzene
 Concen: 7.156 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:180 Resp: 74115
 Ion Ratio Lower Upper
 180 100
 182 91.8 78.2 117.4
 145 27.9 23.2 34.8

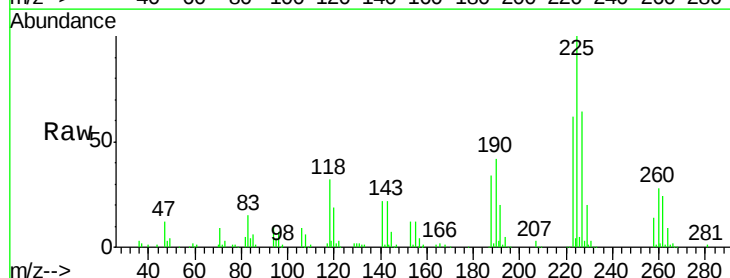


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

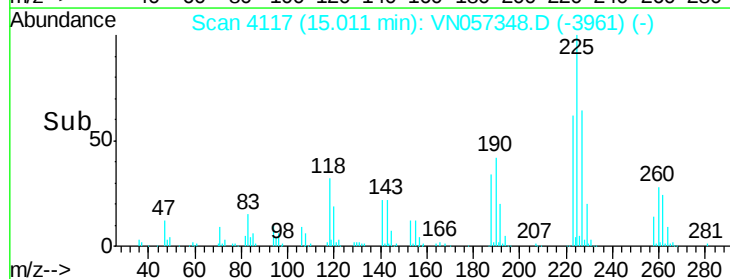
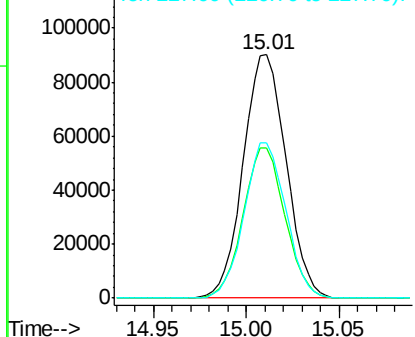


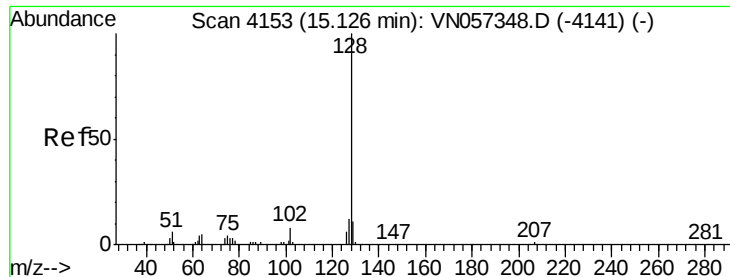
#90
 Hexachlorobutadiene
 Concen: 21.508 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Tgt Ion:225 Resp: 144838
 Ion Ratio Lower Upper
 225 100
 223 60.4 0.0 124.6
 227 61.8 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 5.013 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

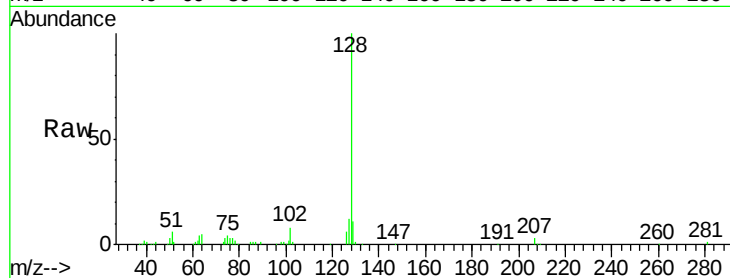
Tot Ion:128 Resp: 139660

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

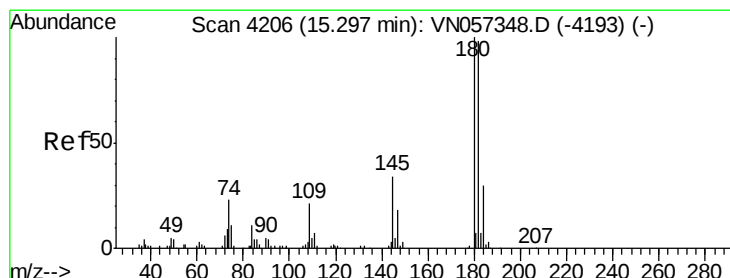
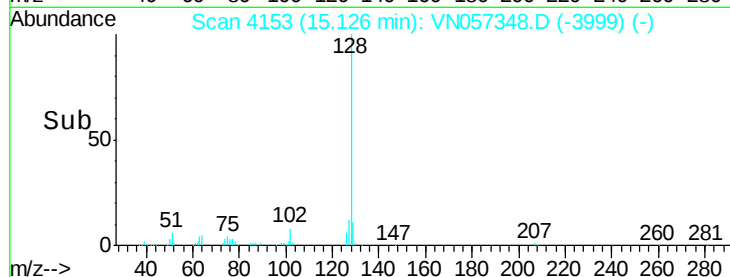
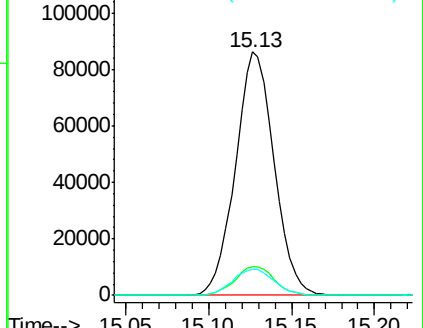
129 11.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 6.357 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.01 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

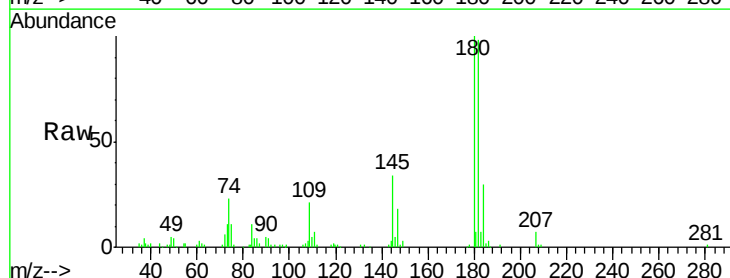
Tgt Ion:180 Resp: 69043

Ion Ratio Lower Upper

180 100

182 99.5 0.0 192.4

145 31.6 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

