

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 17 03:22:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:42:00 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	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	12.40	95	310659	29.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.90%
63) Toluene-d8	10.09	98	994265	30.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	170834	21.547 ug/l	100
3) Chloromethane	2.05	50	185803	20.321 ug/l	98
4) Vinyl Chloride	2.18	62	180632	20.649 ug/l	99
5) Bromomethane	2.54	94	136354	20.032 ug/l	99
6) Chloroethane	2.70	64	122361	20.420 ug/l	100
7) Trichlorofluoromethane	3.02	101	289732	20.666 ug/l	100
8) Diethyl Ether	3.40	74	104075	20.171 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	172880	20.708 ug/l	96
10) 1,1-Dichloroethene	3.73	96	167297	20.206 ug/l	92
11) Methyl Iodide	3.95	142	277907	19.905 ug/l	99
12) Methyl Acetate	4.31	43	182690	19.626 ug/l	100
13) Acrolein	3.60	56	79110	89.874 ug/l	99
14) Acrylonitrile	4.98	53	371390	98.493 ug/l	100
15) Acetone	3.80	58	117132	105.416 ug/l	99
16) Carbon Disulfide	4.05	76	448573	19.820 ug/l	100
17) Allyl chloride	4.31	41	237444	19.635 ug/l	97
18) Methylene Chloride	4.54	84	192048	20.266 ug/l	91
19) trans-1,2-Dichloroethene	5.03	96	179184	19.986 ug/l	93
20) Diisopropyl ether	5.94	45	511065	20.295 ug/l	94
21) 1,1-Dichloroethane	5.84	63	317237	20.389 ug/l	97
22) cis-1,2-Dichloroethene	6.82	96	209883	20.202 ug/l	97
23) tert-Butyl Alcohol	4.76	59	129801	96.594 ug/l	# 100
24) Methyl tert-Butyl Ether	5.03	73	510563	20.095 ug/l	99
25) Chloroform	7.36	83	329748	20.276 ug/l	99
26) Cyclohexane	7.65	56	263521	20.375 ug/l	# 92
29) 1,1-Dichloropropene	7.79	75	245131	20.260 ug/l	98
30) 2-Butanone	6.82	43	485148	101.631 ug/l	95
31) 2,2-Dichloropropane	6.81	77	272112	20.530 ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	295381	20.651 ug/l	96
33) Carbon Tetrachloride	7.77	117	257349	20.206 ug/l	99
34) Benzene	8.03	78	748403	20.390 ug/l	99
35) Methacrylonitrile	7.20	41	276777	43.161 ug/l	# 52
36) 1,2-Dichloroethane	8.12	62	237805	19.935 ug/l	98
37) Trichloroethene	8.83	130	216740	20.286 ug/l	94
38) Methylcyclohexane	9.08	83	292404	20.406 ug/l	96
39) 1,2-Dichloropropane	9.11	63	191296	20.391 ug/l	99
40) Dibromomethane	9.20	93	127109	20.367 ug/l	94

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	255325	20.190	ug/l	100
42) Vinyl Acetate	5.88	43	2052452	102.183	ug/l	98
43) Ethyl Acetate	6.91	43	196791	20.093	ug/l	98
45) 1,4-Dioxane	9.19	88	64229	395.344	ug/l	99
46) Methyl methacrylate	9.19	41	155034	20.060	ug/l	91
47) n-amyl Acetate	12.07	43	237447	18.646	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	273201	19.969	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	309871	20.343	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	185234	20.337	ug/l	98
51) Ethyl methacrylate	10.43	69	260622	19.739	ug/l	93
52) 1,3-Dichloropropane	10.71	76	303210	20.384	ug/l	99
53) Dibromochloromethane	10.90	129	211070	20.142	ug/l	98
54) 1,2-Dibromoethane	11.00	107	194917	20.319	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	272006	88.499	ug/l	96
56) Bromoform	12.13	173	149878	18.941	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	955232	102.100	ug/l	96
59) 2-Hexanone	10.75	43	683698	101.886	ug/l	97
61) Tetrachloroethene	10.63	164	226669	21.533	ug/l	97
62) Toluene	10.15	91	824136	20.804	ug/l	99
64) Chlorobenzene	11.43	112	504953	20.291	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	201278	20.808	ug/l	98
66) Ethyl Benzene	11.51	91	884804	20.444	ug/l	99
67) m/p-Xylenes	11.62	106	663045	40.934	ug/l	98
68) o-Xylene	11.95	106	325247	20.539	ug/l	96
69) Styrene	11.96	104	505122	19.855	ug/l	99
70) Isopropylbenzene	12.25	105	870121	20.496	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	238194	20.482	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	291410	29.694	ug/l	69
73) Bromobenzene	12.53	156	220129	19.567	ug/l	93
74) n-propylbenzene	12.59	91	861011	19.525	ug/l	98
75) 2-Chlorotoluene	12.67	91	553022	20.209	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	720797	20.414	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	70757	18.789	ug/l	89
78) 4-Chlorotoluene	12.77	91	481866	18.820	ug/l	97
79) tert-butylbenzene	12.99	119	638749	20.301	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	667968	20.056	ug/l	99
81) sec-Butylbenzene	13.17	105	755800	19.487	ug/l	99
82) p-Isopropyltoluene	13.29	119	657206	18.914	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	312559	18.967	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	277831	18.062	ug/l	98
85) n-Butylbenzene	13.62	91	507172	19.630	ug/l	99
86) Hexachloroethane	13.88	117	131035	19.593	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	302903	19.457	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27931	17.919	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	74115	13.455	ug/l	95
90) Hexachlorobutadiene	15.01	225	144838	20.605	ug/l	97
91) Naphthalene	15.13	128	139660	11.731	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	69043	13.220	ug/l	97

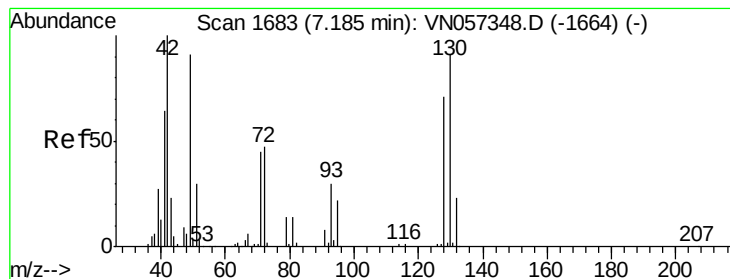
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = 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. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

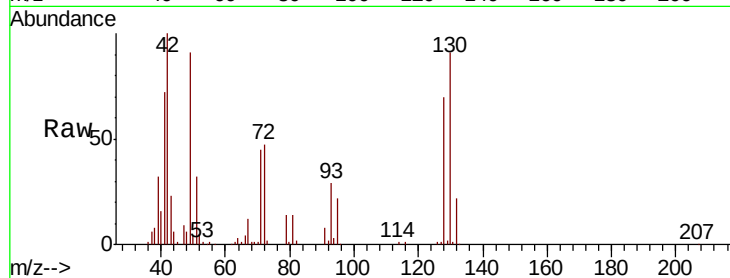
Tgt Ion:128 Resp: 153492

Ion Ratio Lower Upper

128 100

49 130.1 0.0 390.5

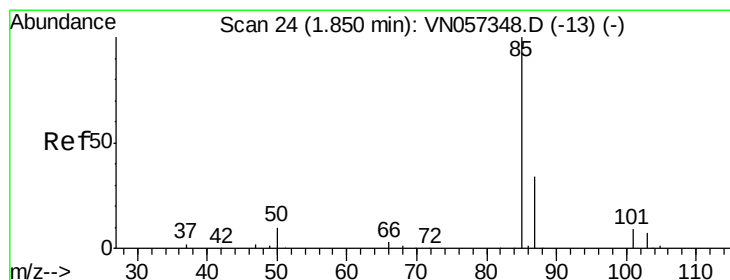
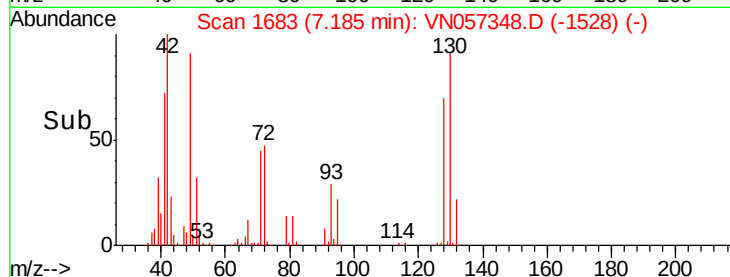
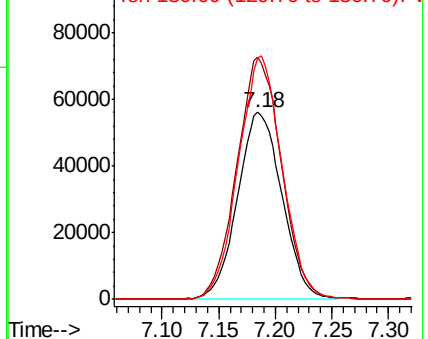
130 127.8 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.547 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN057348.D

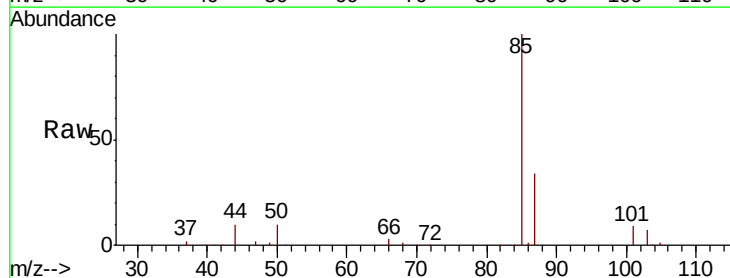
Acq: 16 Aug 2019 11:53

Tgt Ion: 85 Resp: 170834

Ion Ratio Lower Upper

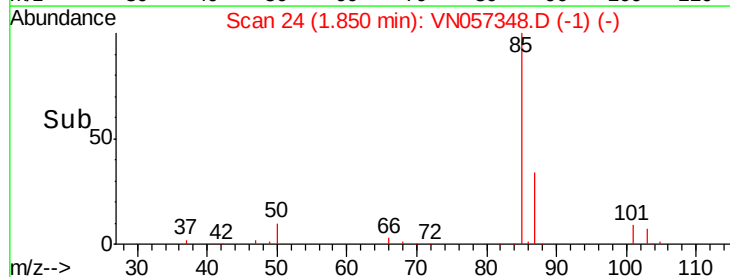
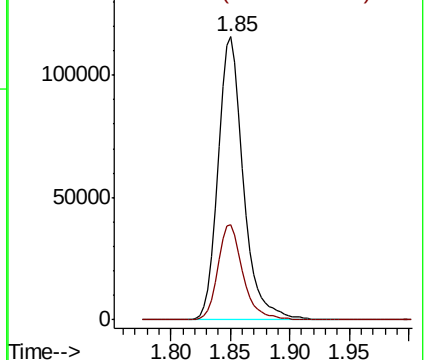
85 100

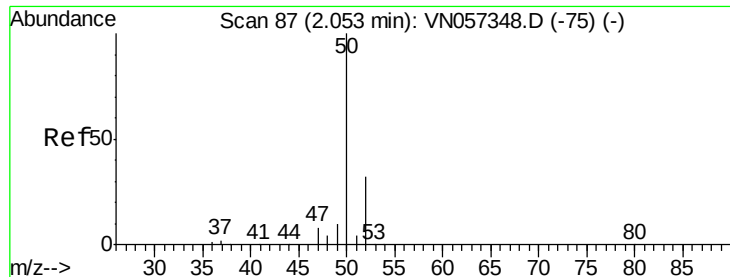
87 33.6 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.321 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

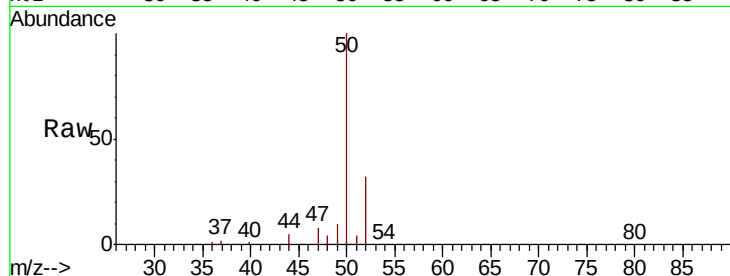
VSTDICCC020

Tgt Ion: 50 Resp: 185803

Ion Ratio Lower Upper

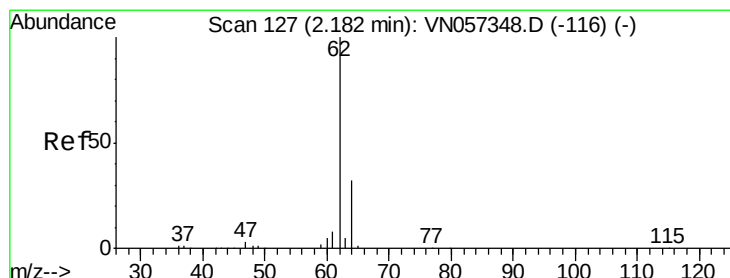
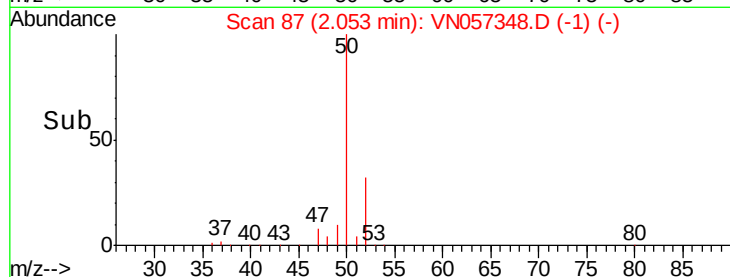
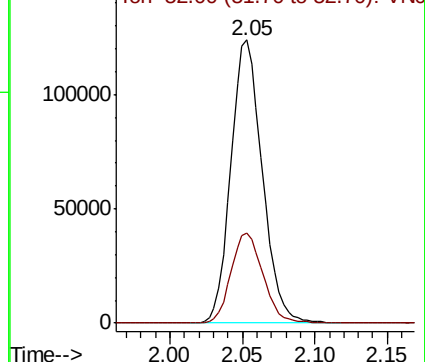
50 100

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



#4

Vinyl Chloride

Concen: 20.649 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057348.D

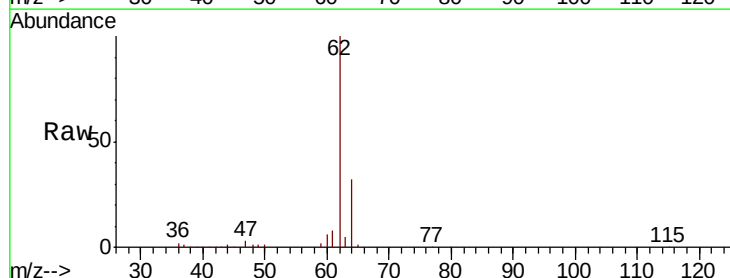
Acq: 16 Aug 2019 11:53

Tgt Ion: 62 Resp: 180632

Ion Ratio Lower Upper

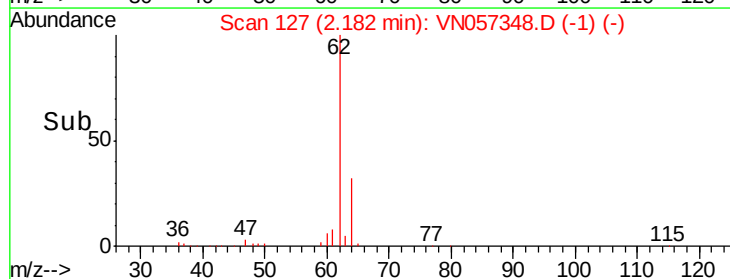
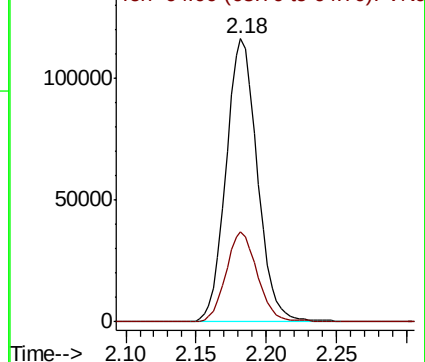
62 100

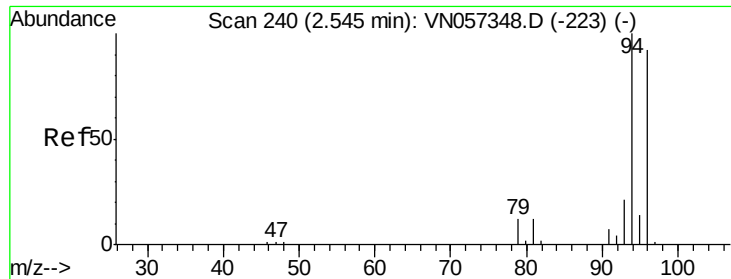
64 31.7 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 20.032 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

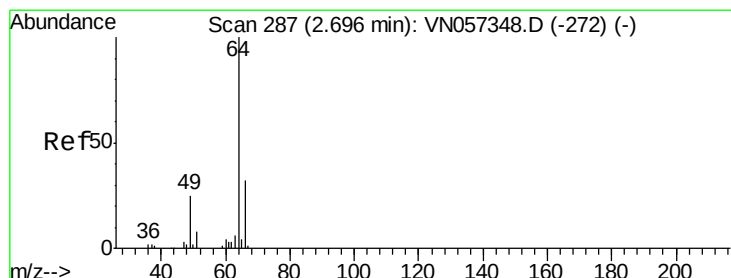
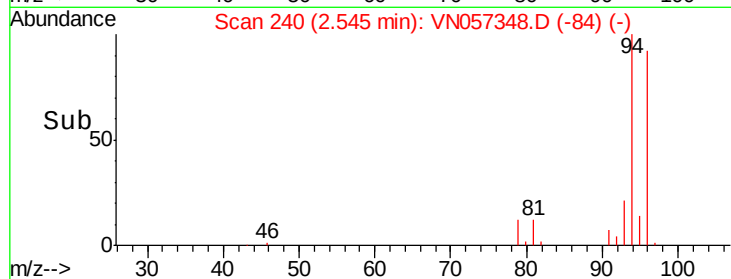
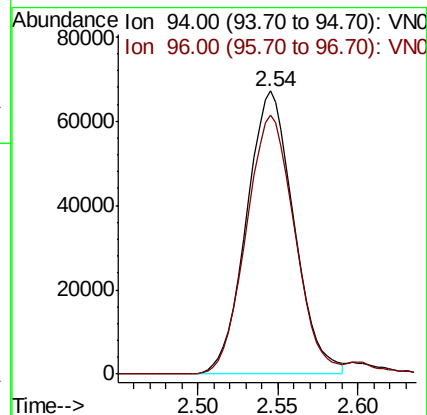
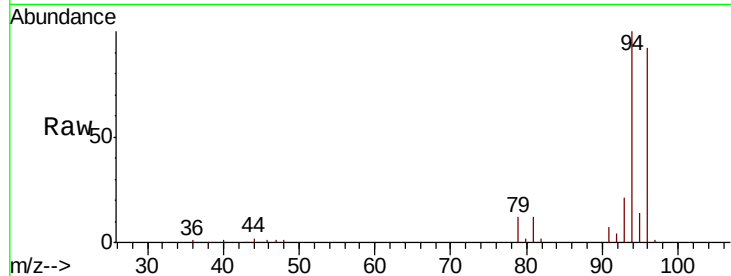
VSTDICCC020

Tgt Ion: 94 Resp: 136354

Ion Ratio Lower Upper

94 100

96 91.6 72.8 109.2



#6

Chloroethane

Concen: 20.420 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN057348.D

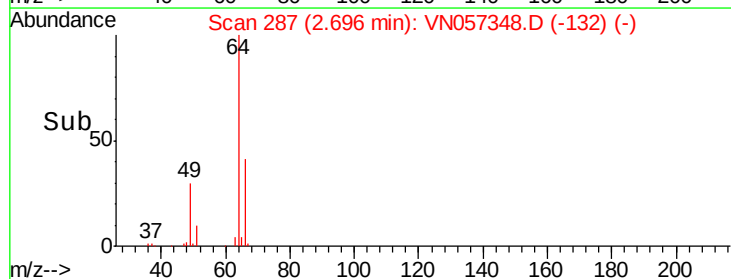
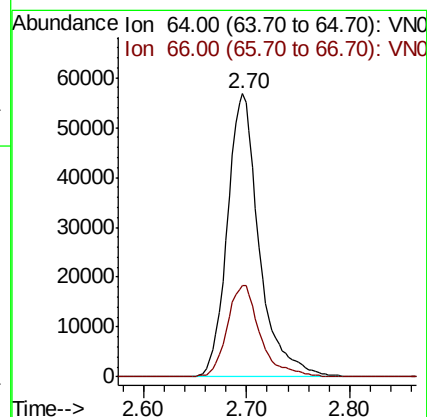
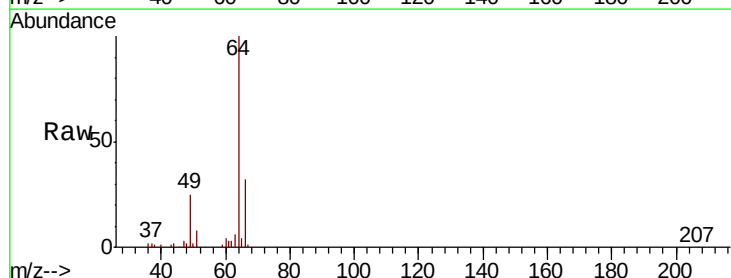
Acq: 16 Aug 2019 11:53

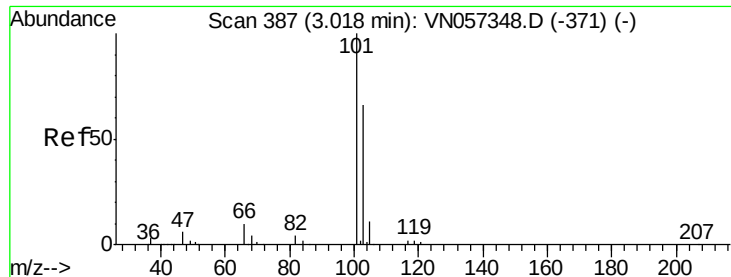
Tgt Ion: 64 Resp: 122361

Ion Ratio Lower Upper

64 100

66 32.3 25.7 38.5



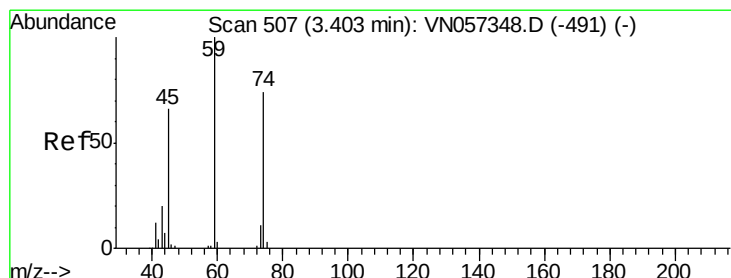
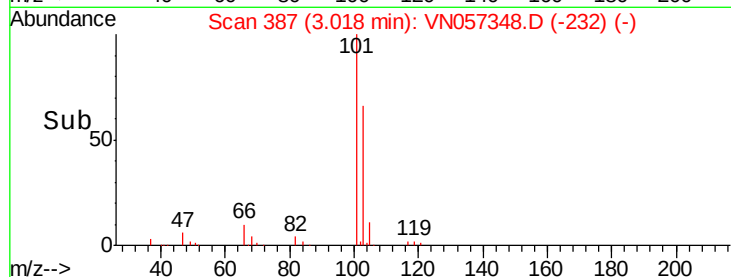
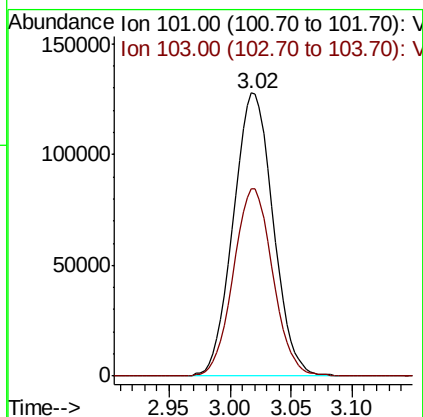
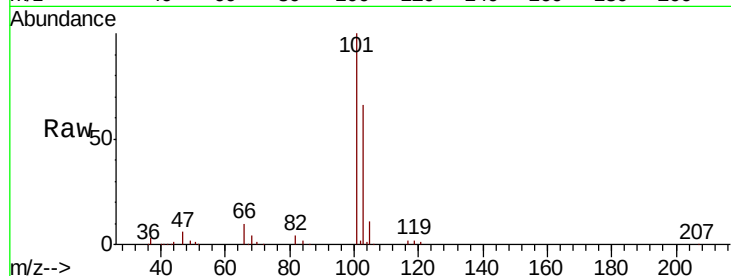


#7

Trichlorofluoromethane
 Concen: 20.666 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

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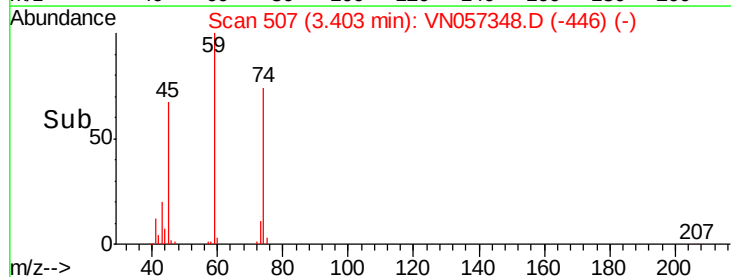
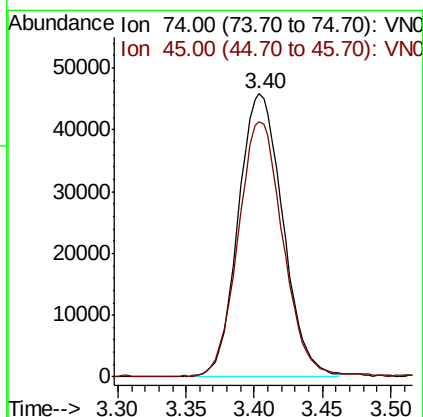
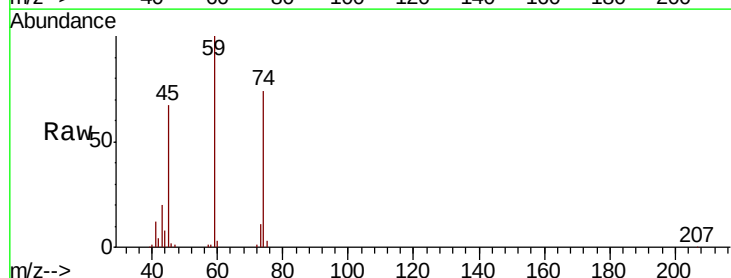
Tgt Ion:101 Resp: 289732
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.8 79.2

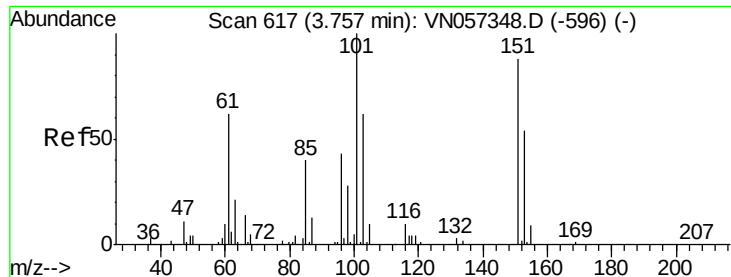


#8

Diethyl Ether
 Concen: 20.171 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: 20.708 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

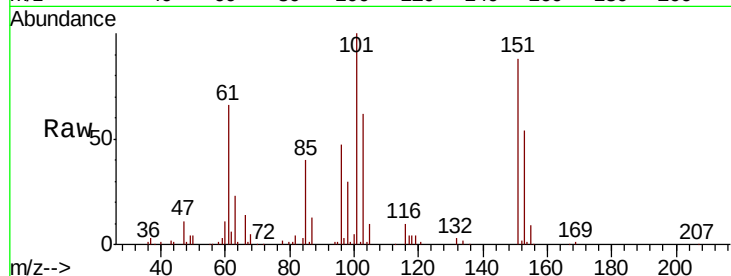
Tgt Ion: 101 Resp: 172880

Ion Ratio Lower Upper

101 100

85 41.4 0.0 84.2

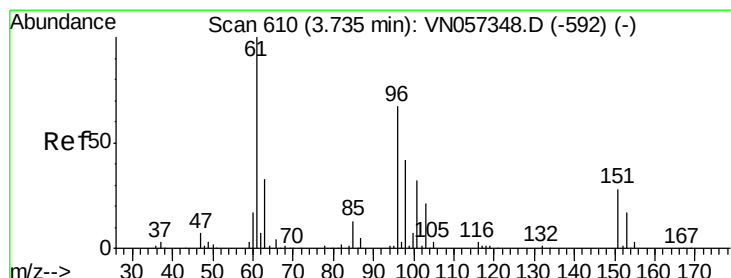
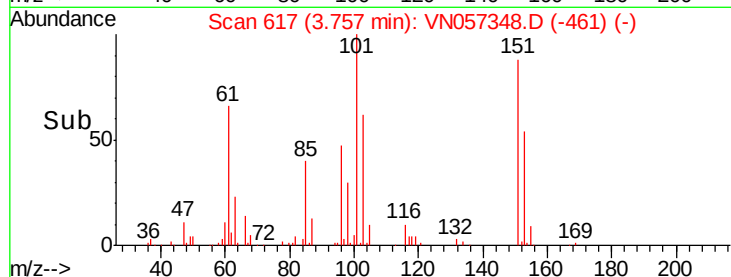
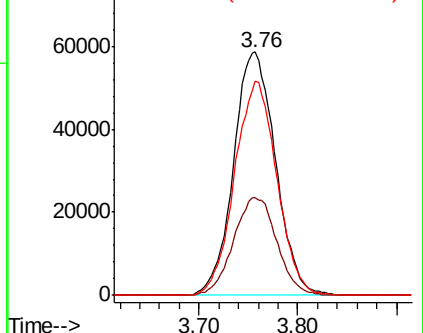
151 88.3 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.206 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

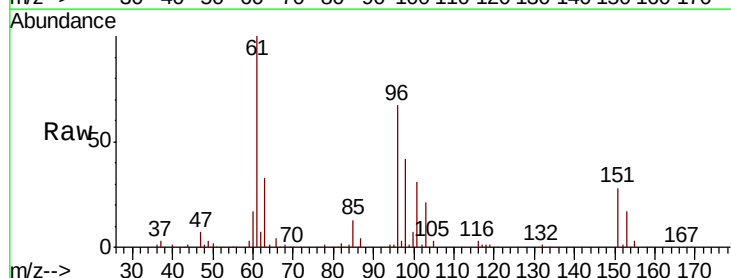
Tgt Ion: 96 Resp: 167297

Ion Ratio Lower Upper

96 100

61 148.9 129.0 193.4

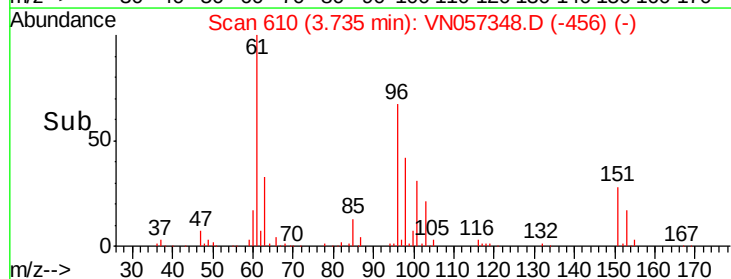
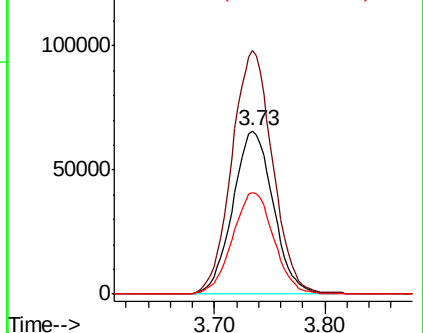
98 62.2 52.5 78.7

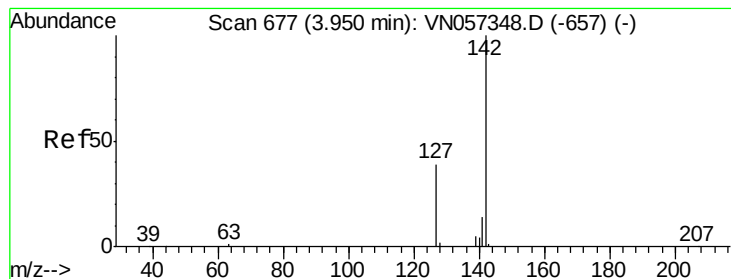


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

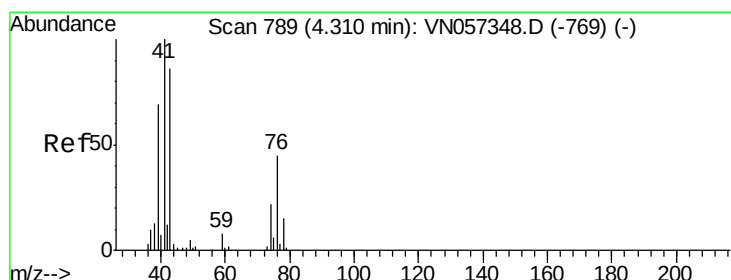
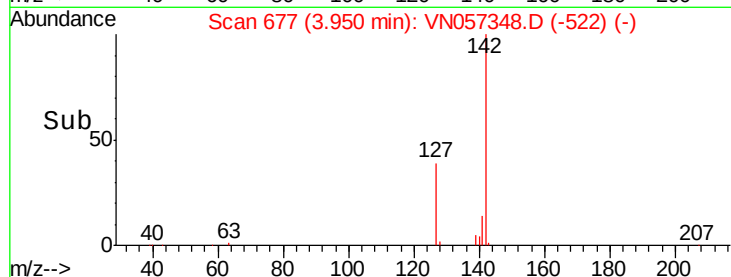
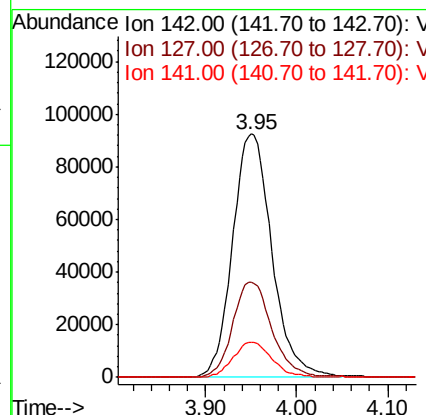
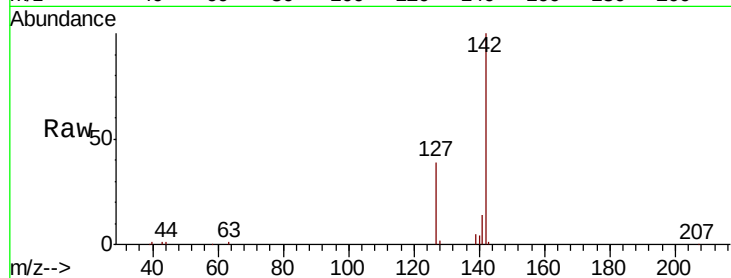




#11
Methyl Iodide
Concen: 19.905 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

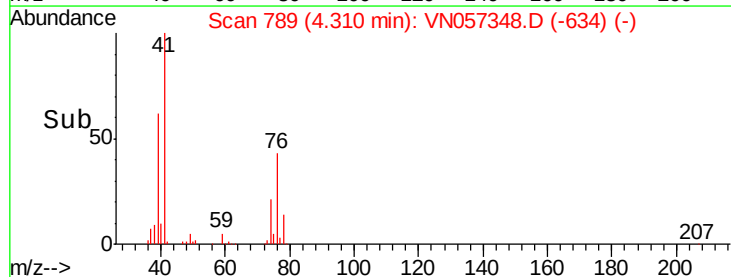
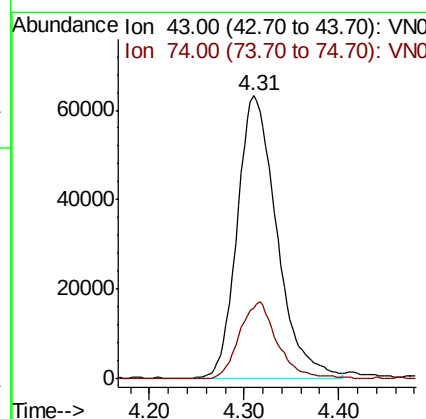
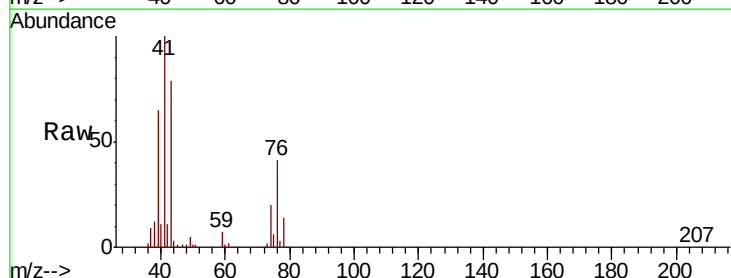
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

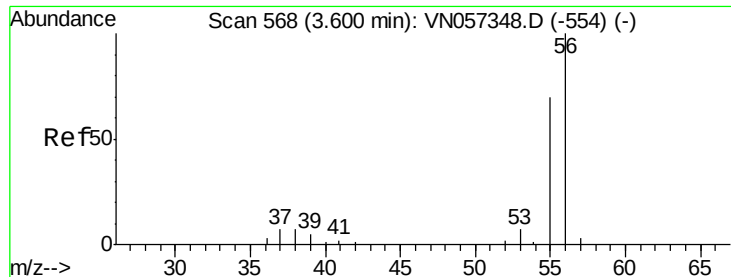
Tgt Ion: 142 Resp: 277907
Ion Ratio Lower Upper
142 100
127 39.2 19.5 58.5
141 14.2 6.8 20.3



#12
Methyl Acetate
Concen: 19.626 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 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





#13

Acrolein

Concen: 89.874 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 :

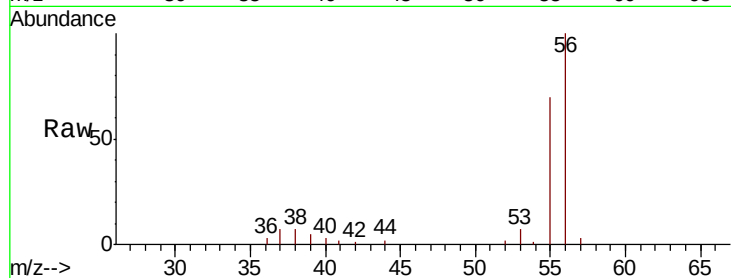
VSTDICCC020

Tgt Ion: 56 Resp: 79110

Ion Ratio Lower Upper

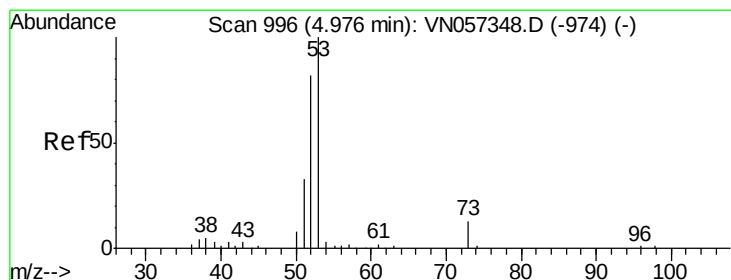
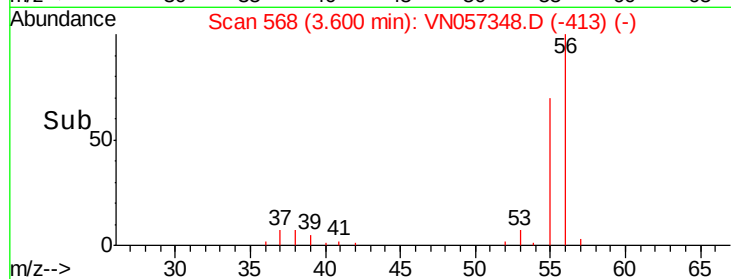
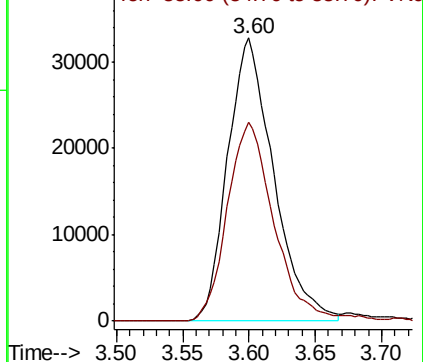
56 100

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: 98.493 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

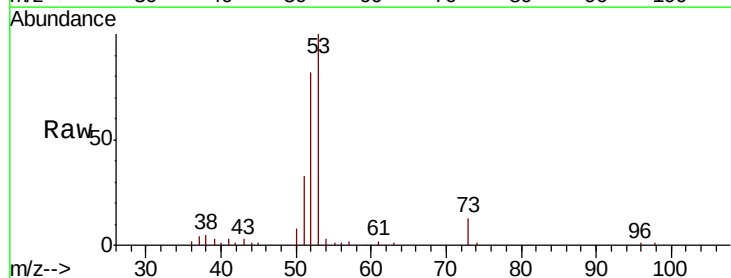
Tgt Ion: 53 Resp: 371390

Ion Ratio Lower Upper

53 100

52 83.1 41.3 123.7

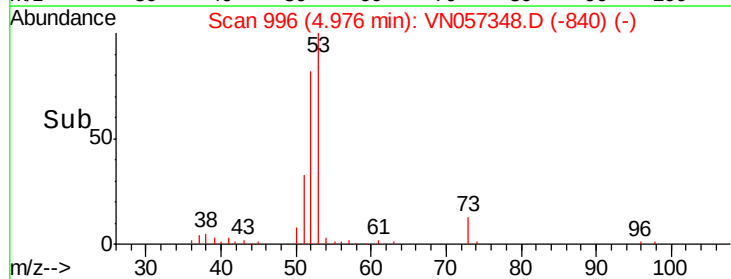
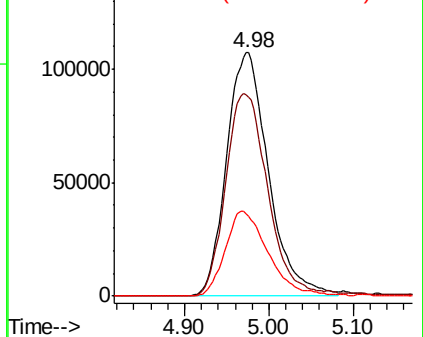
51 35.4 17.7 53.1

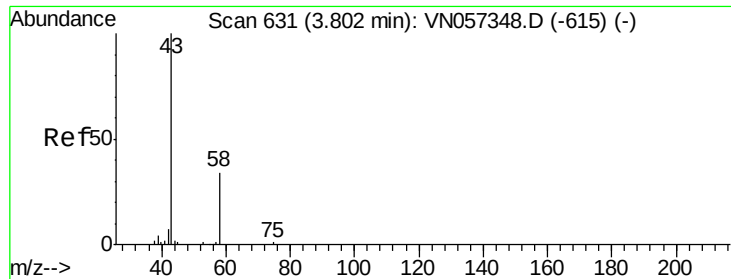


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 105.416 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

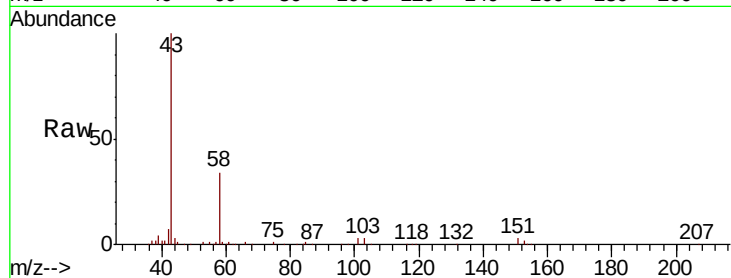
VSTDICCC020

Tgt Ion: 58 Resp: 117132

Ion Ratio Lower Upper

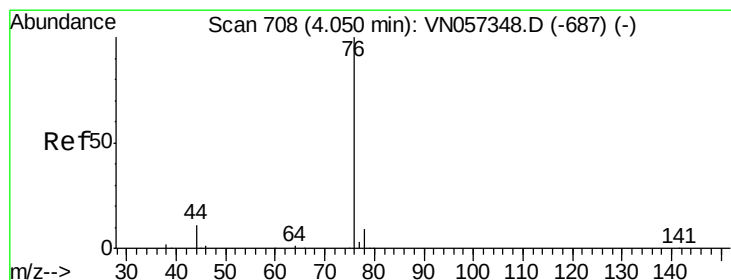
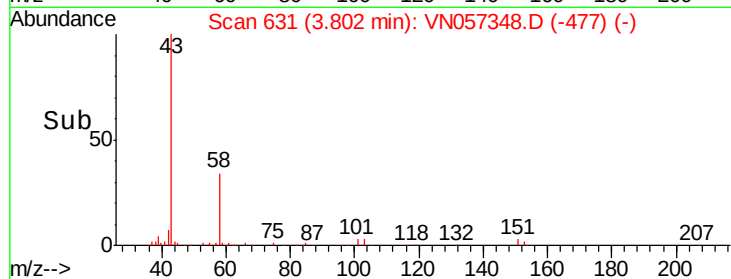
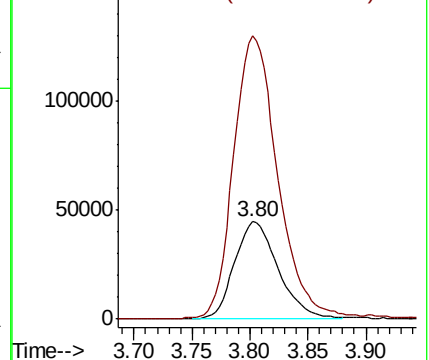
58 100

43 290.4 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN057348.D (-615) (-)

Ion 43.00 (42.70 to 43.70): VN057348.D (-615) (-)



#16

Carbon Disulfide

Concen: 19.820 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057348.D

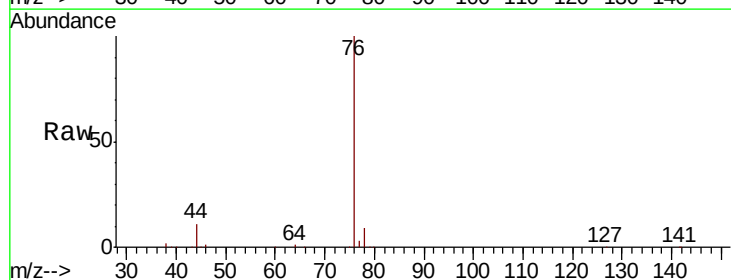
Acq: 16 Aug 2019 11:53

Tgt Ion: 76 Resp: 448573

Ion Ratio Lower Upper

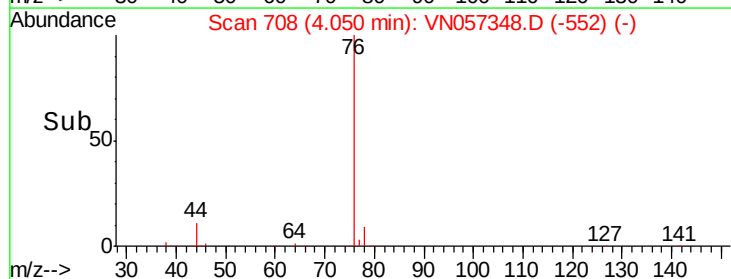
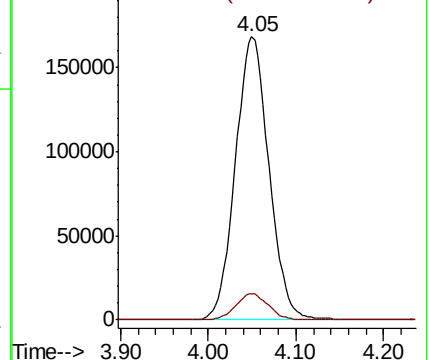
76 100

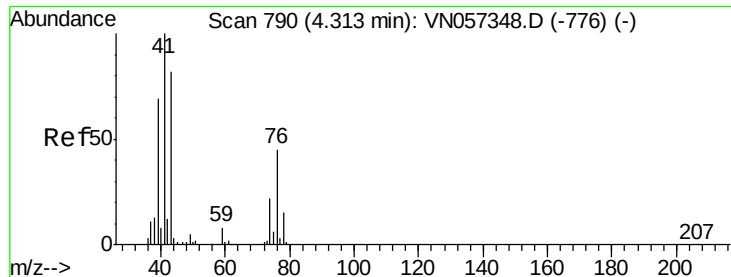
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057348.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN057348.D (-687) (-)

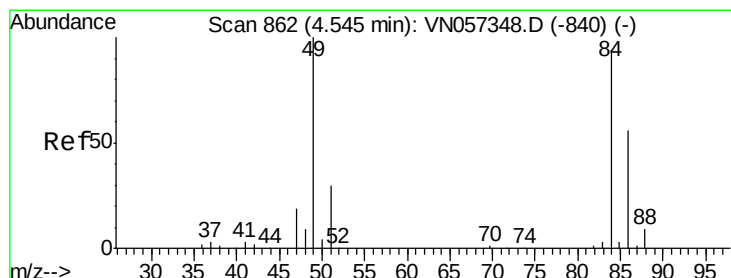
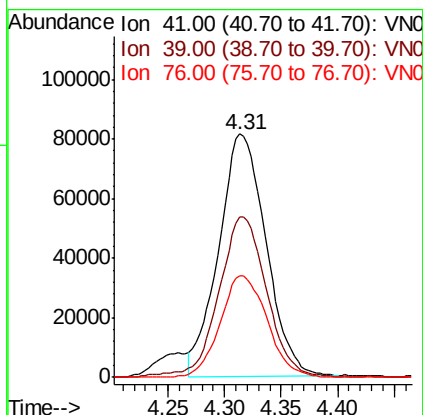
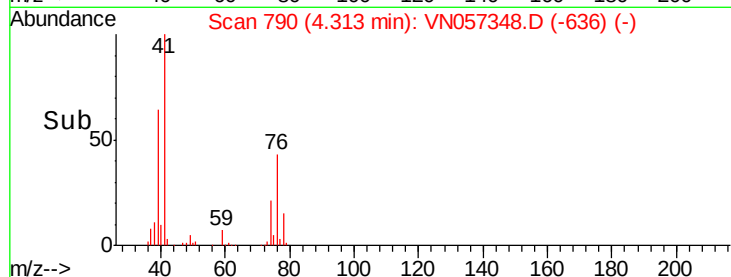
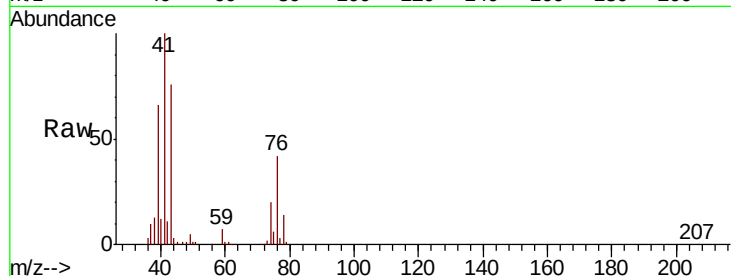




#17
 Allyl chloride
 Concen: 19.635 ug/l
 RT: 4.31 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

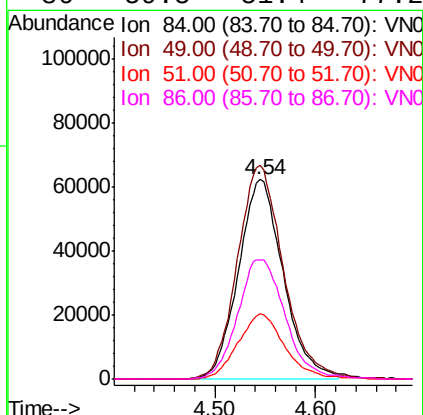
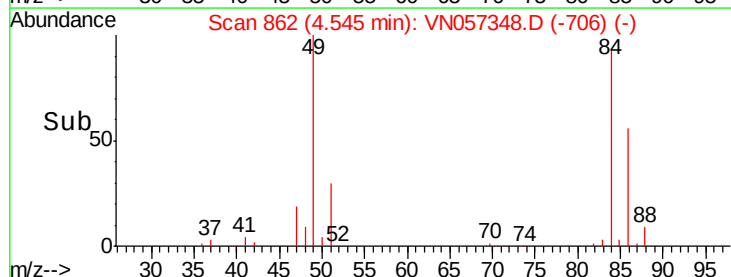
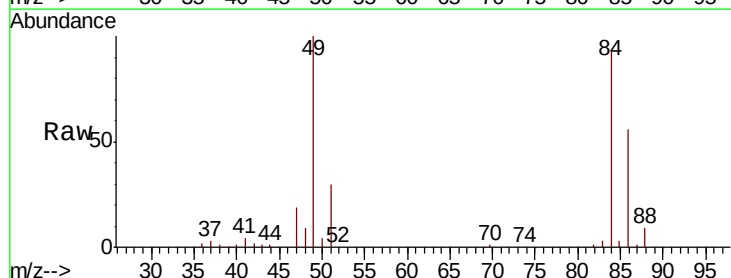
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

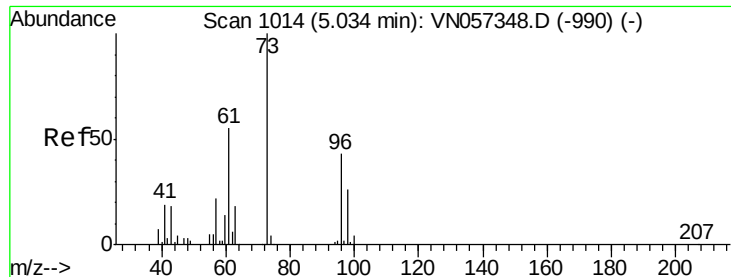
Tgt Ion: 41 Resp: 237444
 Ion Ratio Lower Upper
 41 100
 39 66.0 32.8 98.4
 76 41.7 18.5 55.5



#18
 Methylene Chloride
 Concen: 20.266 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: 19.986 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

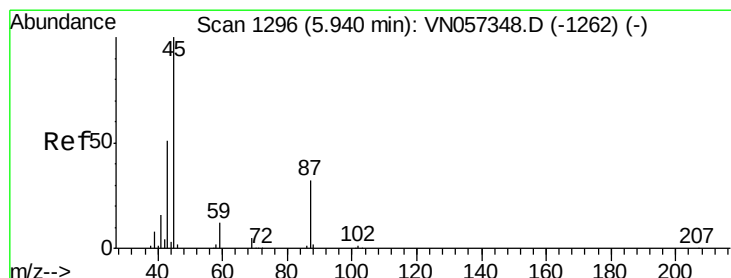
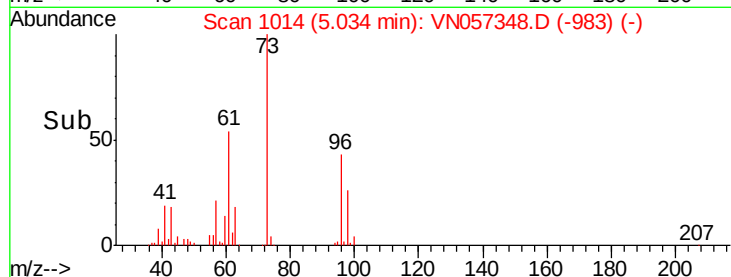
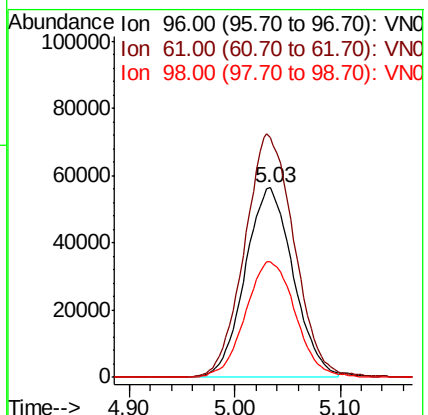
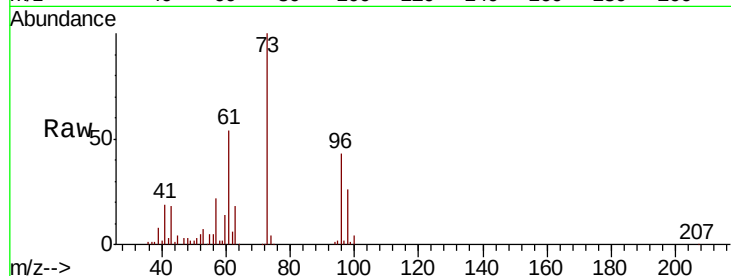
Tgt Ion: 96 Resp: 179184

Ion Ratio Lower Upper

96 100

61 126.3 109.6 164.4

98 61.0 51.4 77.2



#20

Diisopropyl ether

Concen: 20.295 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

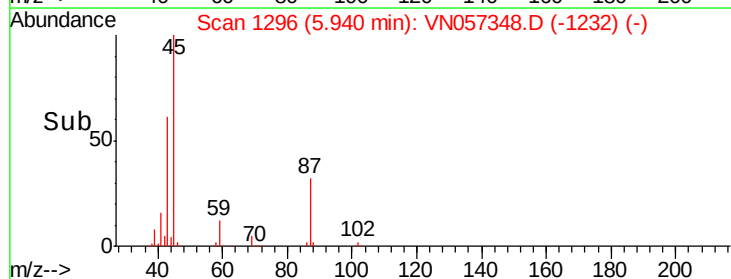
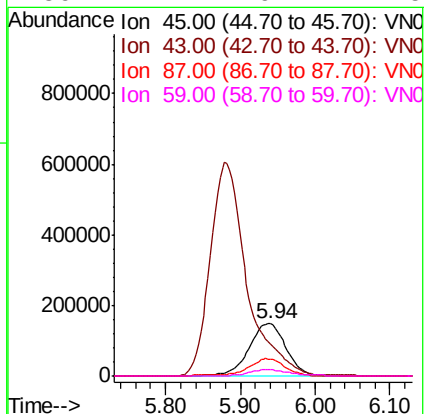
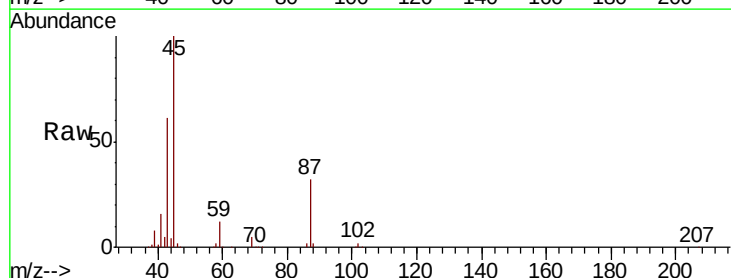
Ion Ratio Lower Upper

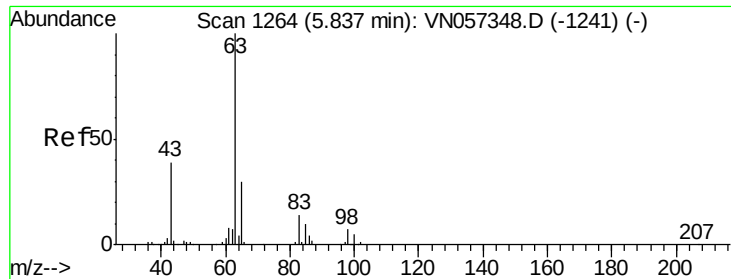
45 100

43 58.9 50.3 75.5

87 32.0 21.4 32.0

59 12.1 9.7 14.5





#21

1,1-Dichloroethane

Concen: 20.389 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

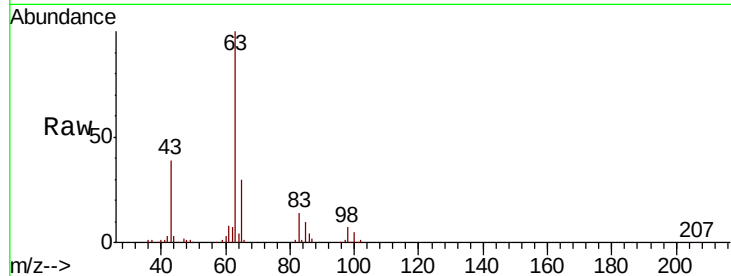
Tgt Ion: 63 Resp: 317237

Ion Ratio Lower Upper

63 100

98 7.7 3.3 9.8

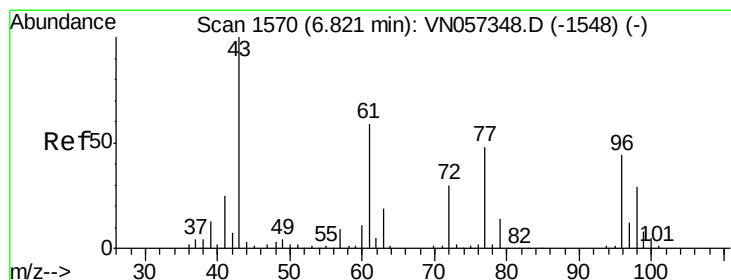
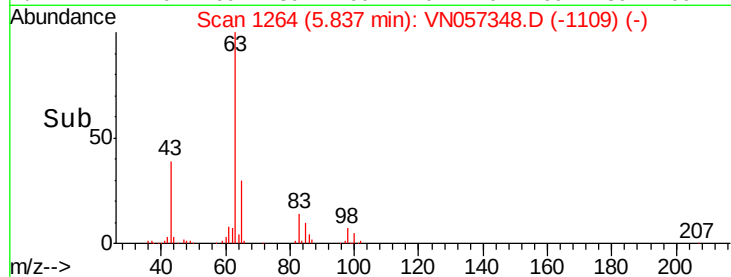
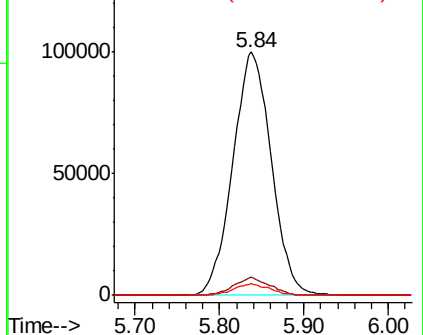
100 4.7 2.1 6.3



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: 20.202 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

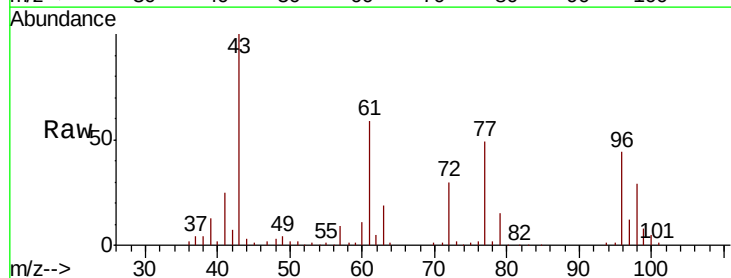
Tgt Ion: 96 Resp: 209883

Ion Ratio Lower Upper

96 100

61 135.7 112.1 168.1

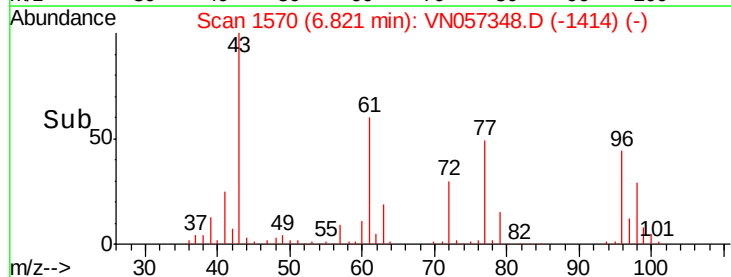
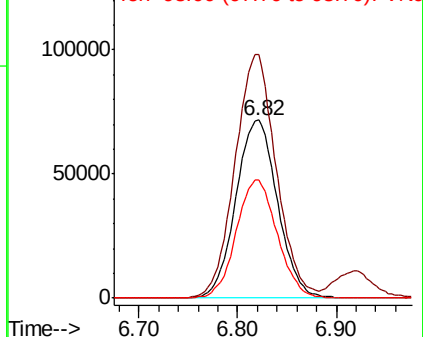
98 65.3 52.2 78.2

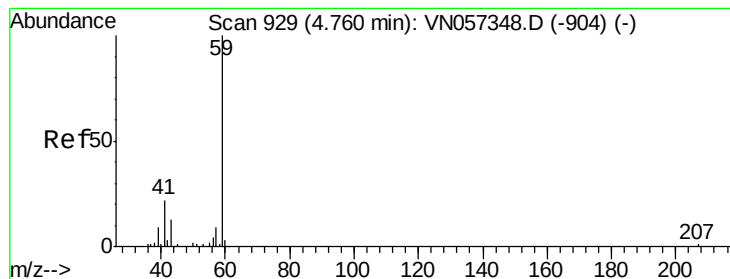


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 96.594 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

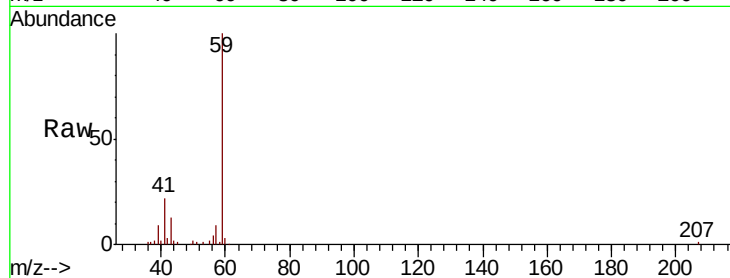
VSTDICCC020

Tgt Ion: 59 Resp: 129801

Ion Ratio Lower Upper

59 100

52 0.1 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN057348.D (-904) (-)

Ion 52.00 (51.70 to 52.70): VN057348.D (-904) (-)

4.76

40000

30000

20000

10000

0

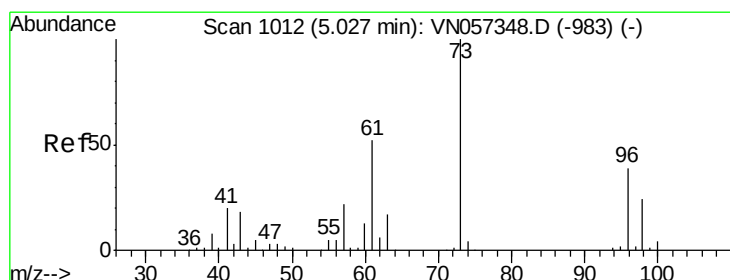
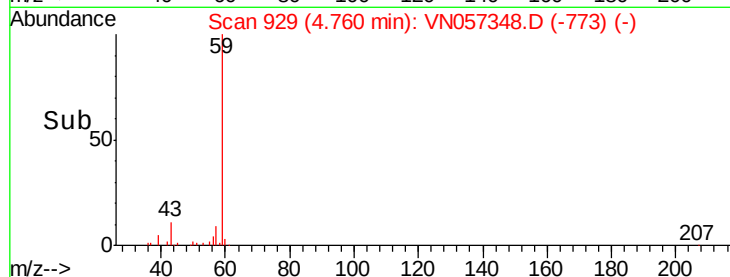
4.60

4.70

4.80

4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 20.095 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN057348.D

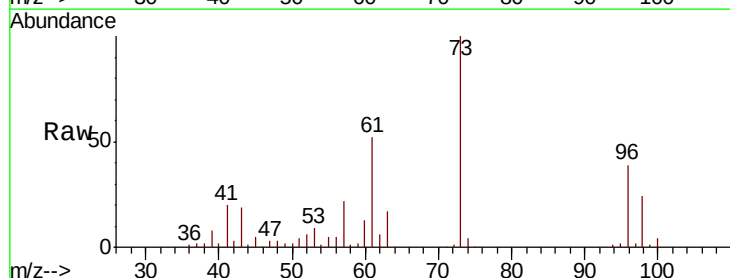
Acq: 16 Aug 2019 11:53

Tgt Ion: 73 Resp: 510563

Ion Ratio Lower Upper

73 100

43 18.5 15.1 22.7



Abundance Ion 73.00 (72.70 to 73.70): VN057348.D (-983) (-)

Ion 43.00 (42.70 to 43.70): VN057348.D (-983) (-)

5.03

150000

100000

50000

0

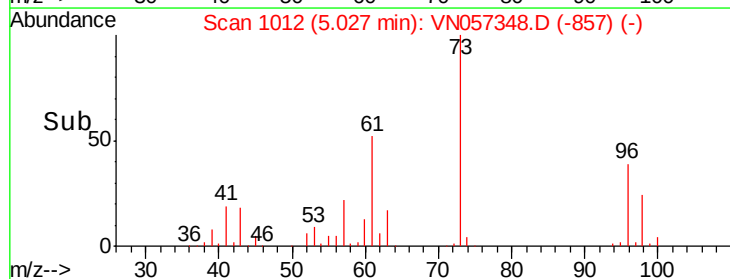
4.90

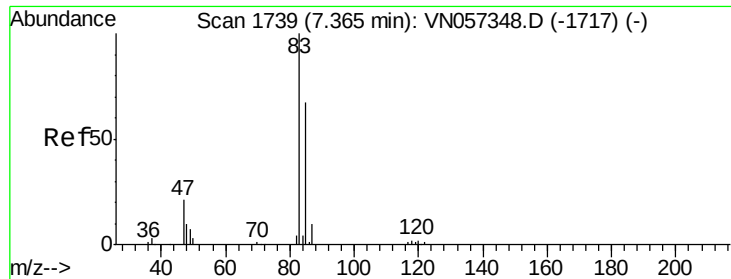
5.00

5.10

5.20

Time-->





#25

Chloroform

Concen: 20.276 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 :

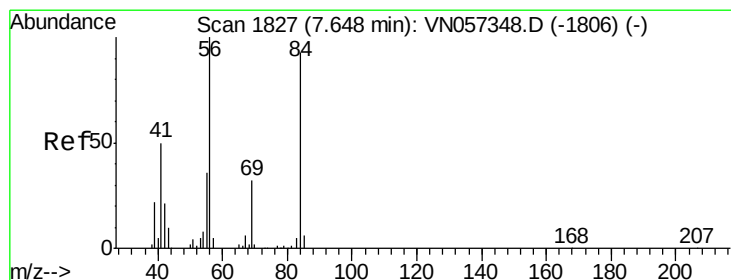
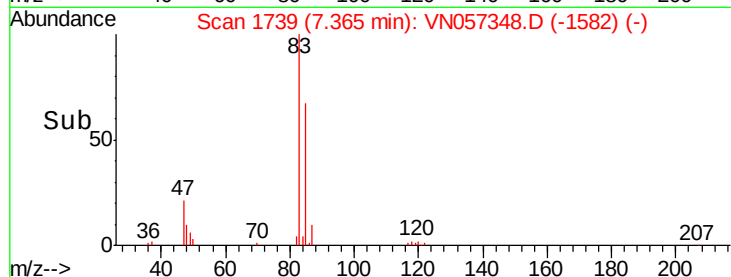
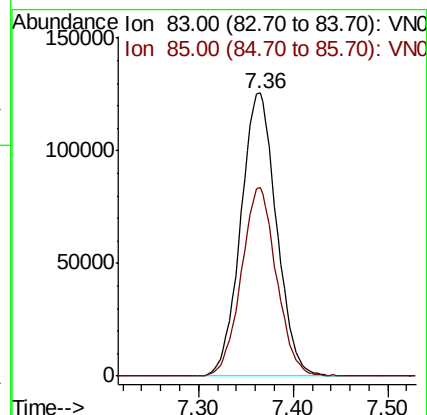
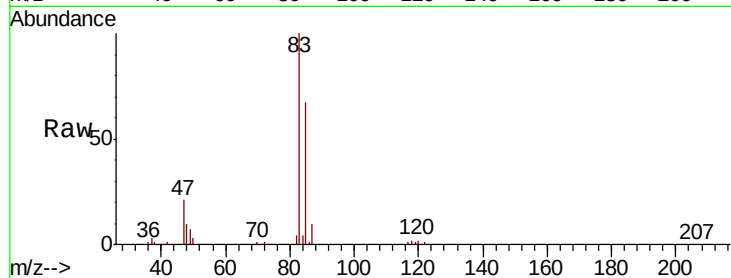
VSTDICCC020

Tgt Ion: 83 Resp: 329748

Ion Ratio Lower Upper

83 100

85 66.7 52.6 79.0



#26

Cyclohexane

Concen: 20.375 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

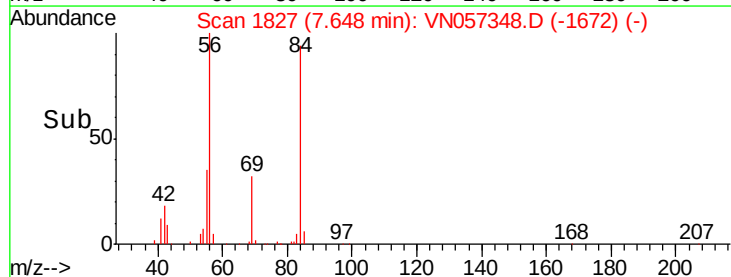
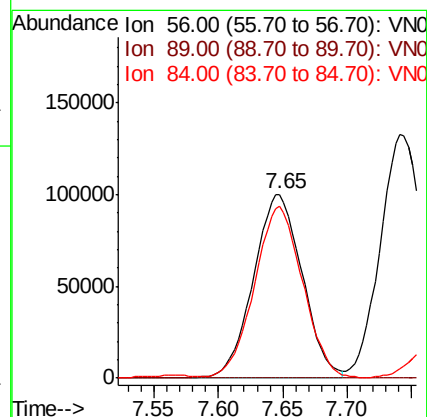
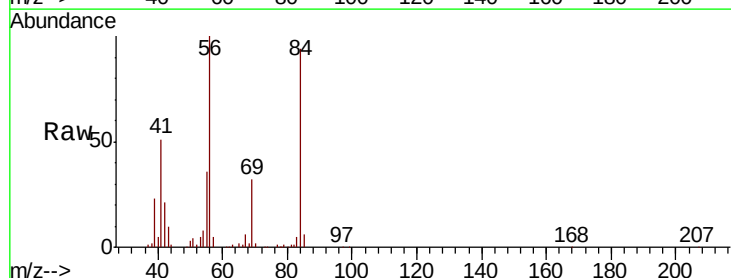
Tgt Ion: 56 Resp: 263521

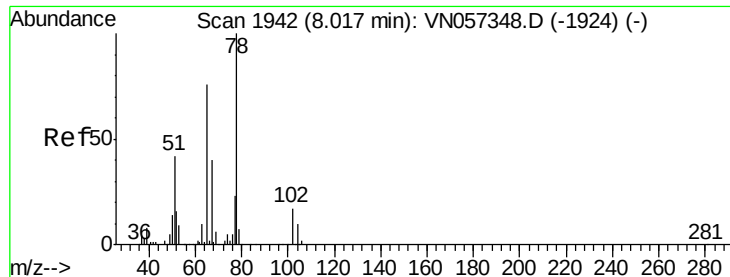
Ion Ratio Lower Upper

56 100

89 0.0 1.4 2.2#

84 92.7 68.2 102.4

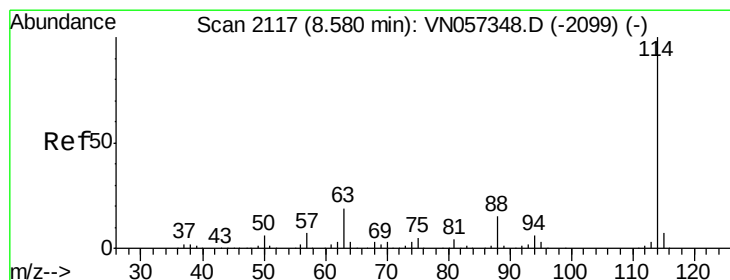
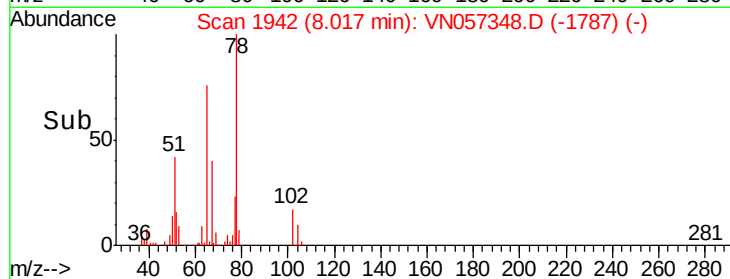
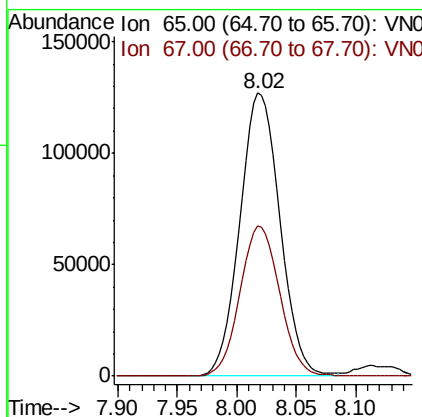
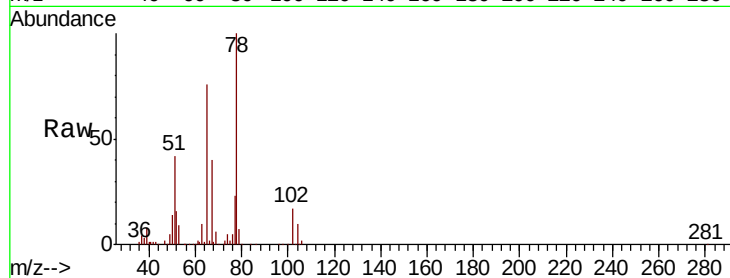




#27
 1,2-Dichloroethane-d4
 Concen: 30.168 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

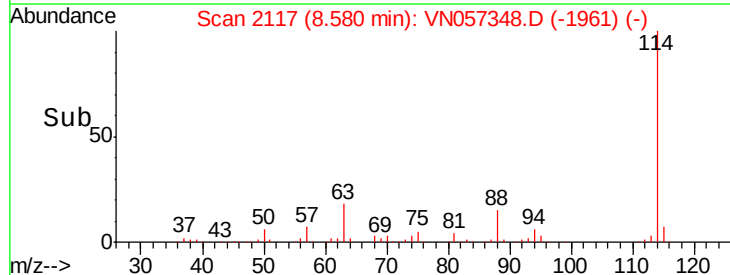
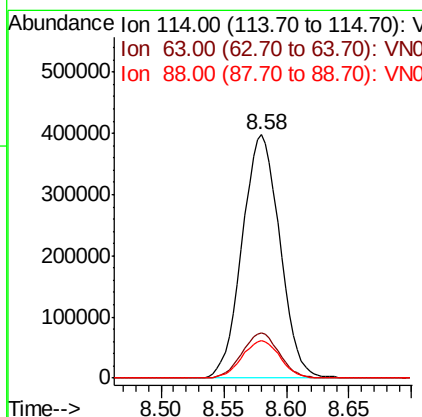
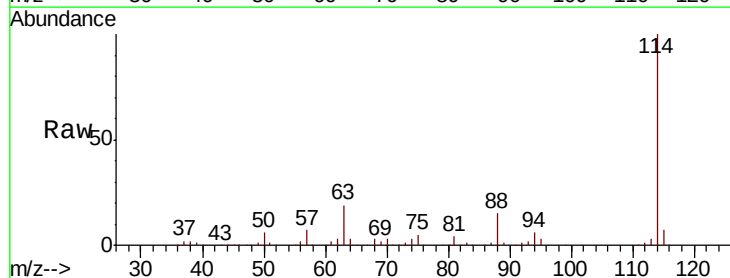
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

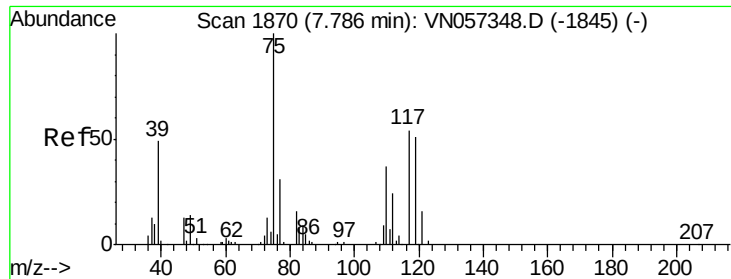
Tgt Ion: 65 Resp: 297708
 Ion Ratio Lower Upper
 65 100
 67 52.1 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 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

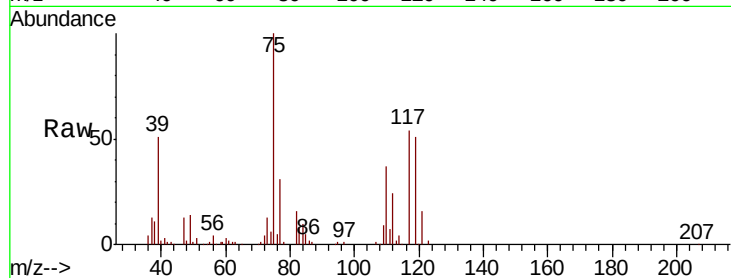




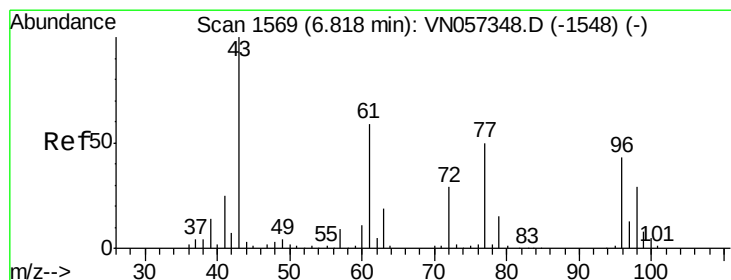
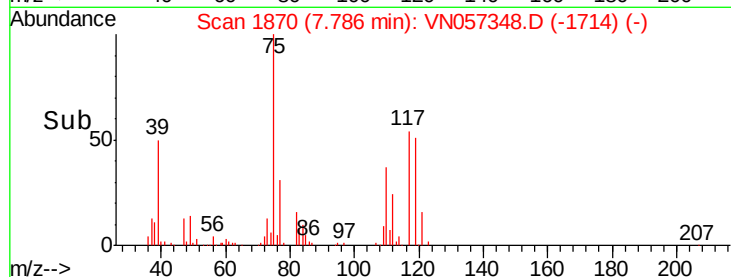
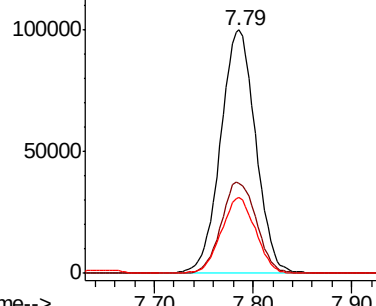
#29
 1,1-Dichloropropene
 Concen: 20.260 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

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

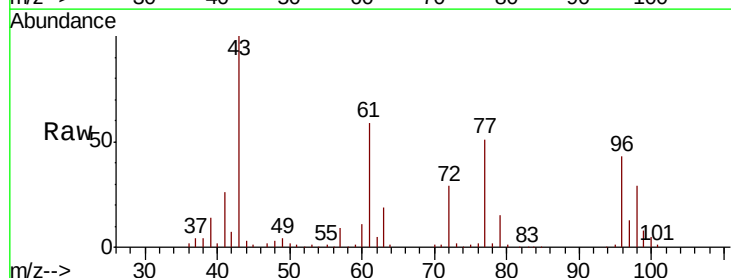


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN0

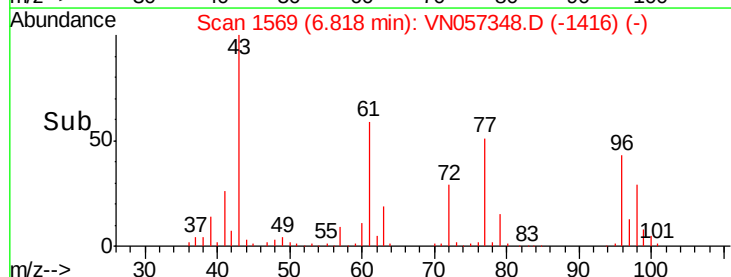
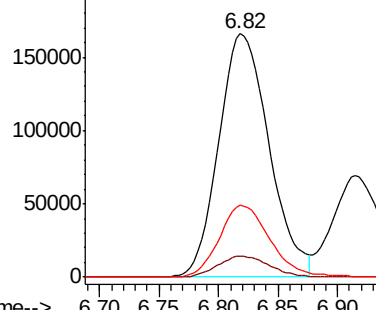


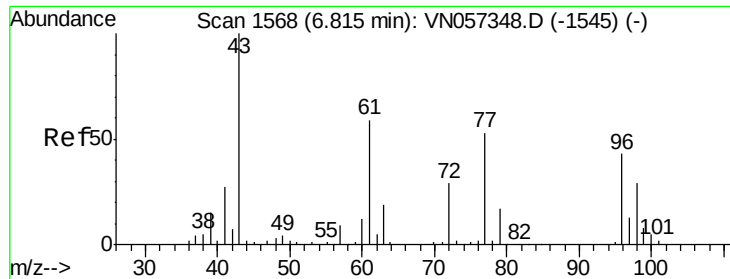
#30
 2-Butanone
 Concen: 101.631 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

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



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0

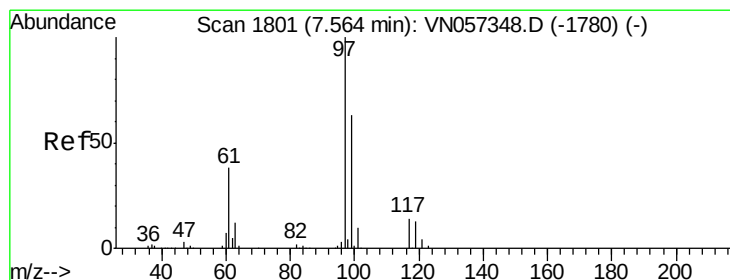
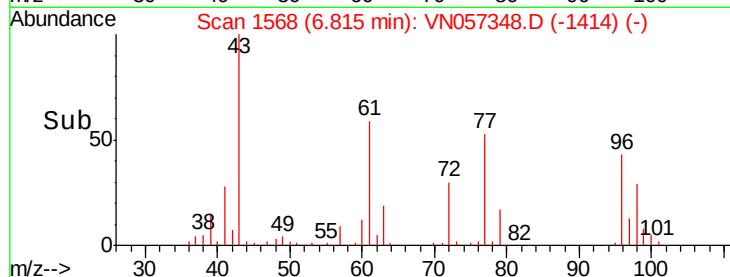
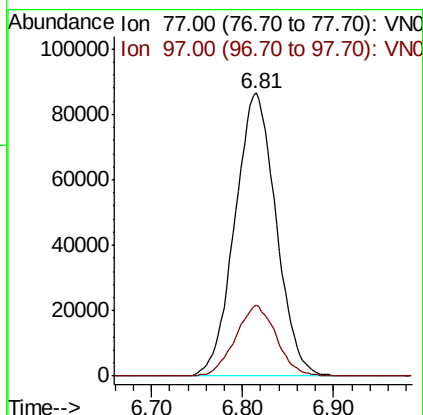
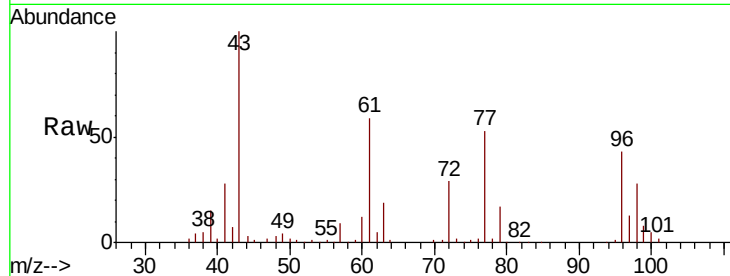




#31
 2,2-Dichloropropane
 Concen: 20.530 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

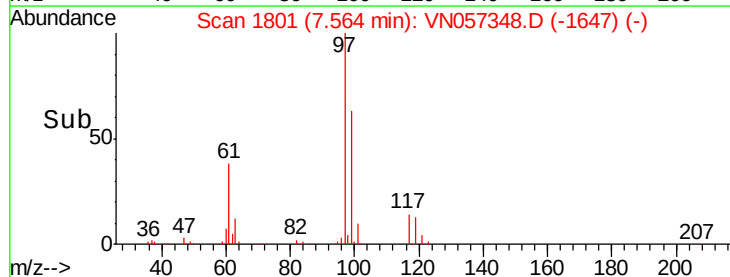
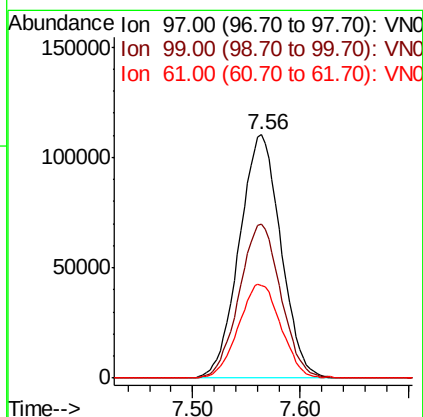
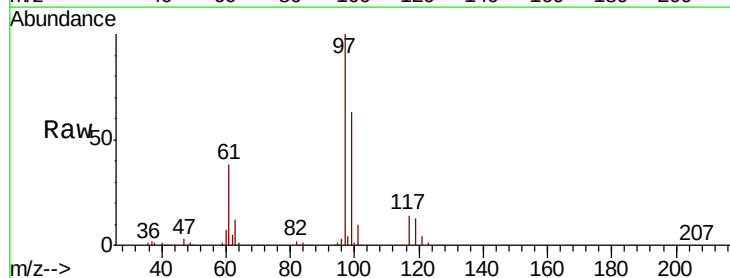
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

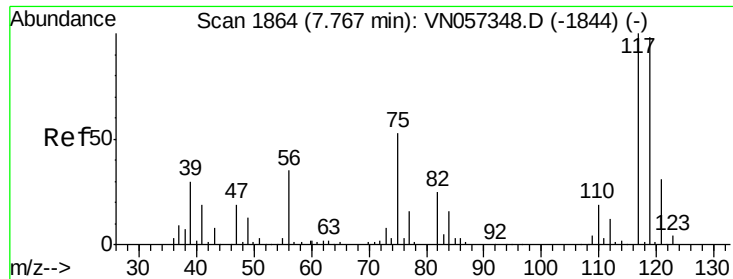
Tgt Ion: 77 Resp: 272112
 Ion Ratio Lower Upper
 77 100
 97 24.8 19.7 29.5



#32
 1,1,1-Trichloroethane
 Concen: 20.651 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

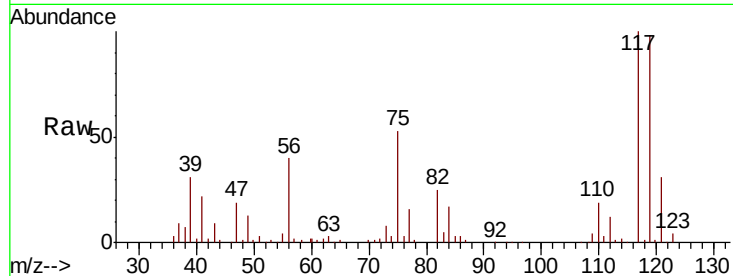




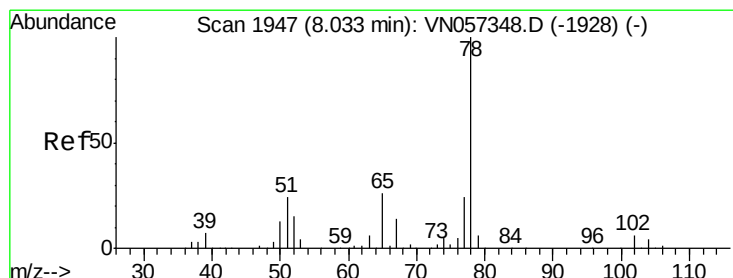
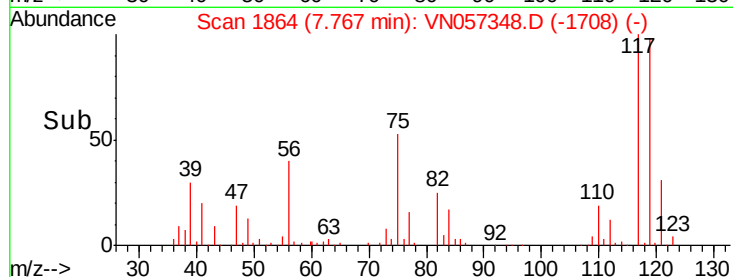
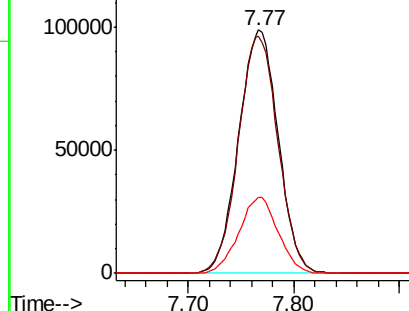
#33
Carbon Tetrachloride
Concen: 20.206 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 257349
Ion Ratio Lower Upper
117 100
119 97.6 78.7 118.1
121 31.2 24.0 36.0

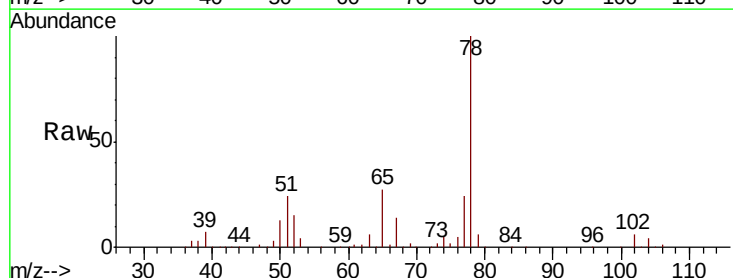


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

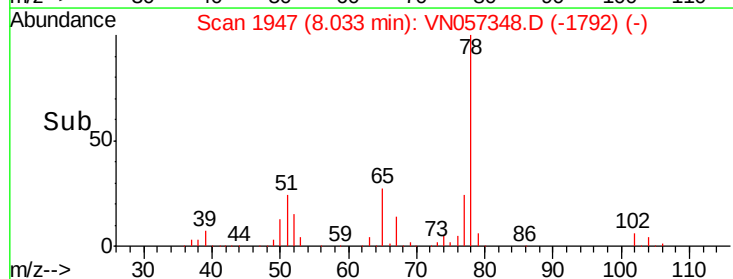
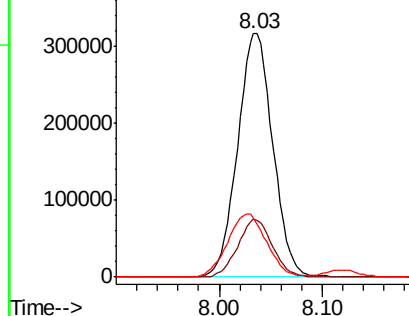


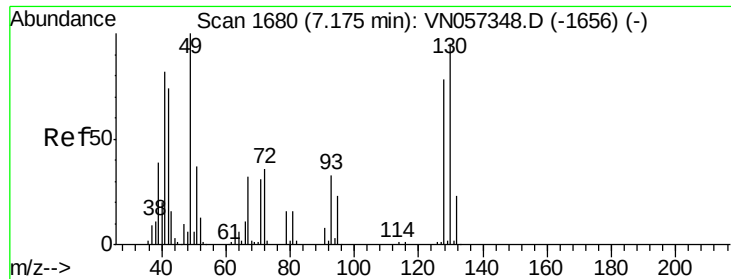
#34
Benzene
Concen: 20.390 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

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

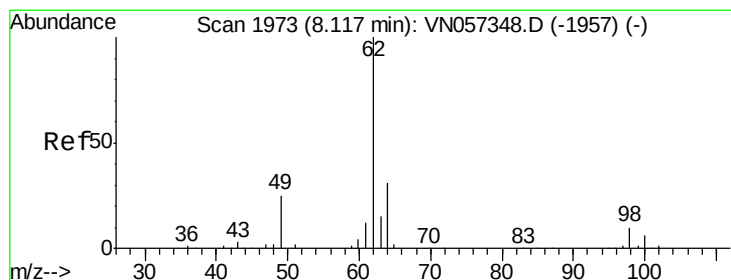
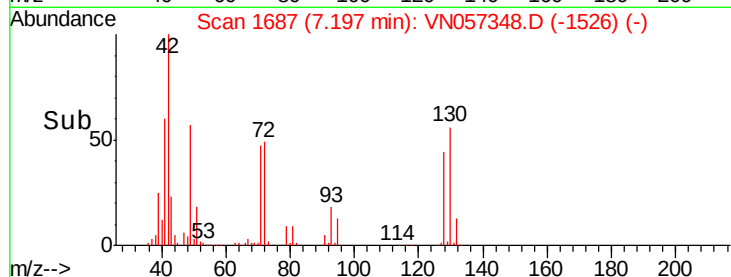
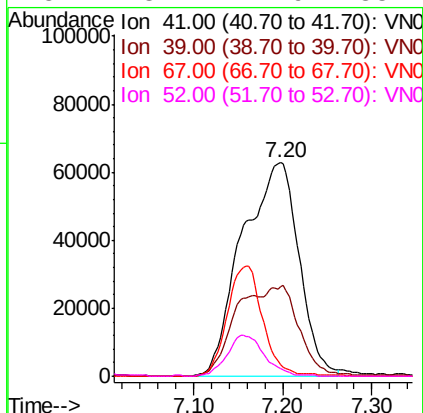
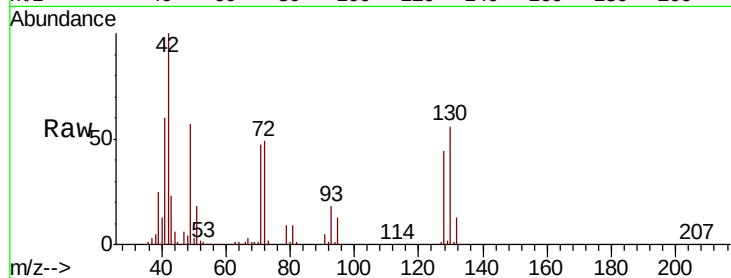




#35
Methacrylonitrile
Concen: 43.161 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.02 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

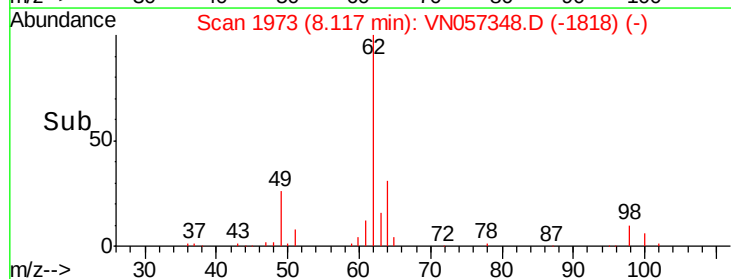
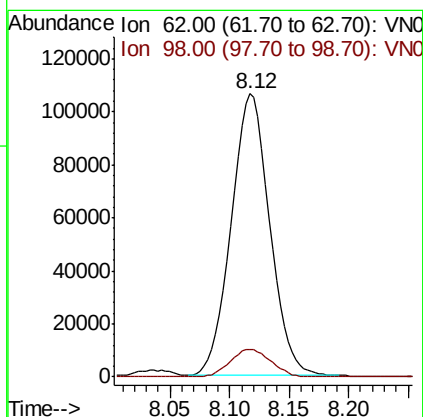
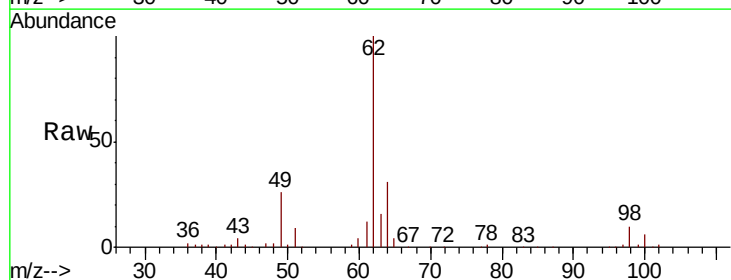
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

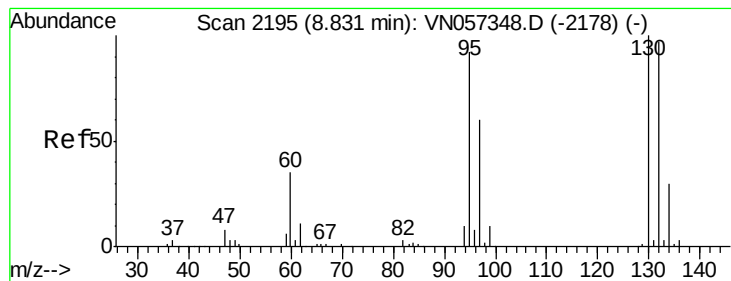
Tgt Ion: 41 Resp: 276777
Ion Ratio Lower Upper
41 100
39 41.8 25.4 76.2
67 5.6 33.6 100.8#
52 3.4 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 19.935 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 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: 20.286 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 :

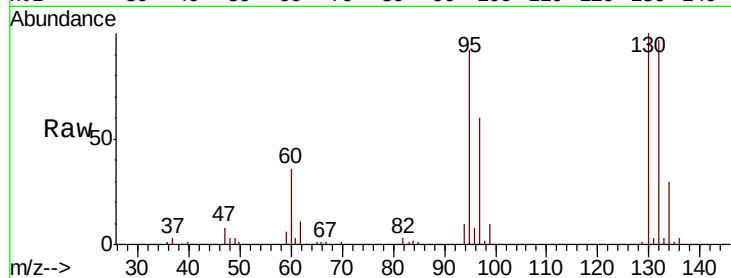
VSTDICCC020

Tgt 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): VN057348.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN057348.D (-2178) (-)

8.83

100000

80000

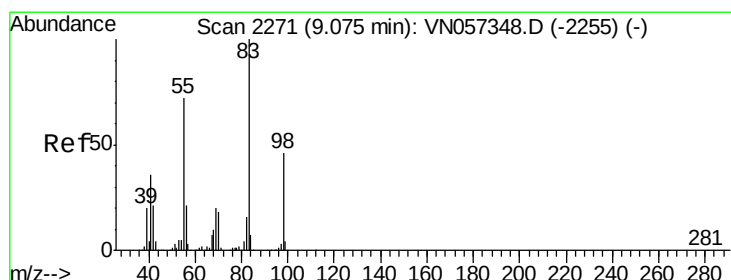
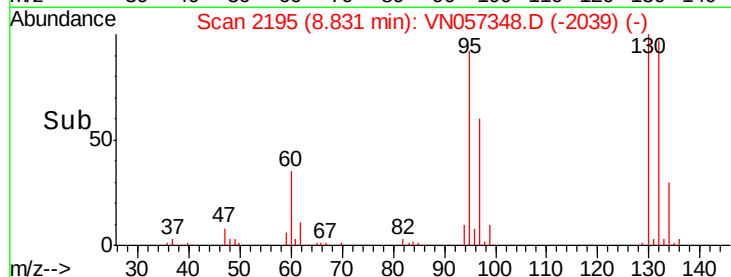
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 20.406 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

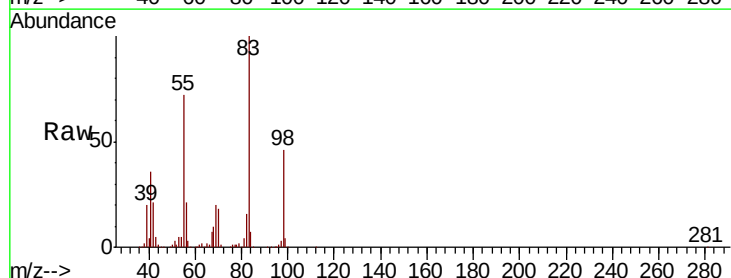
Tgt Ion: 83 Resp: 292404

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): VN057348.D (-2255) (-)

Ion 55.00 (54.70 to 55.70): VN057348.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN057348.D (-2255) (-)

9.08

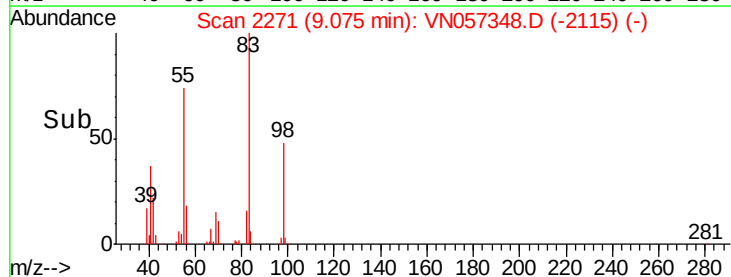
150000

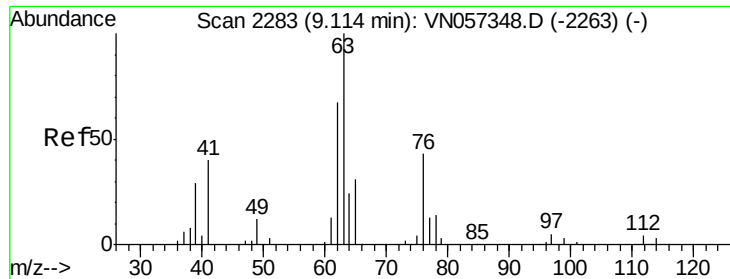
100000

50000

0

Time-->

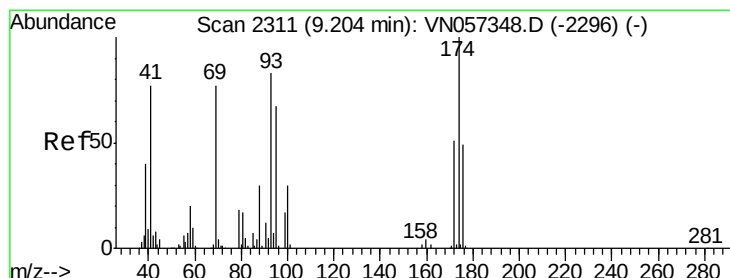
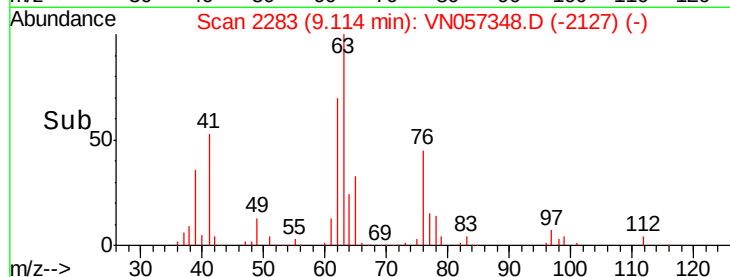
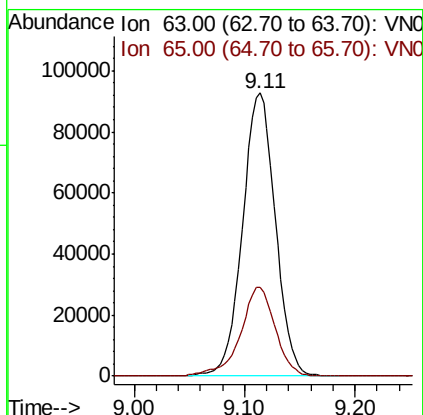
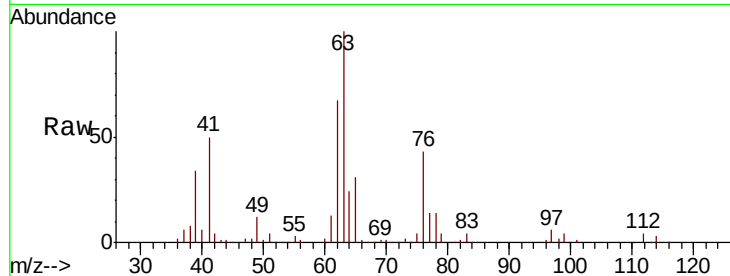




#39
 1,2-Dichloropropane
 Concen: 20.391 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

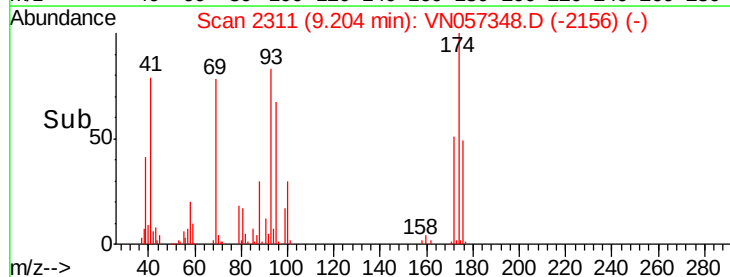
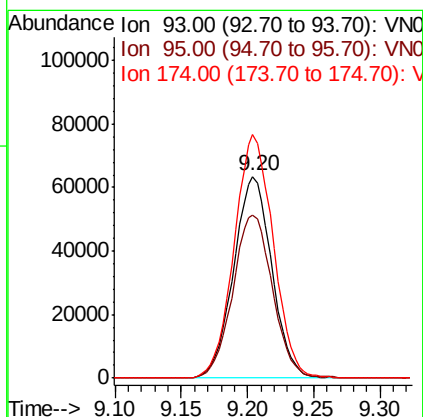
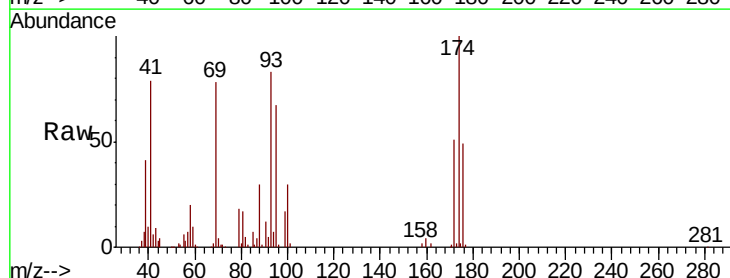
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

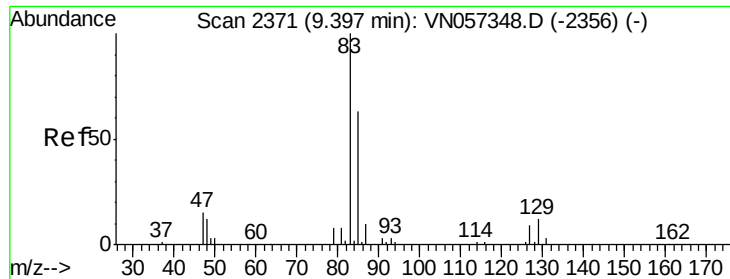
Tgt Ion: 63 Resp: 191296
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 36.8



#40
 Dibromomethane
 Concen: 20.367 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





#41

Bromodichloromethane

Concen: 20.190 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

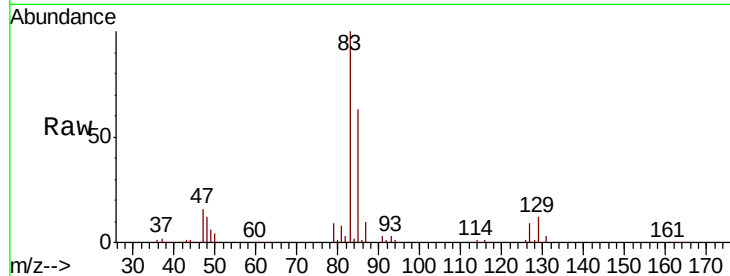
Tgt Ion: 83 Resp: 255325

Ion Ratio Lower Upper

83 100

85 62.8 50.1 75.1

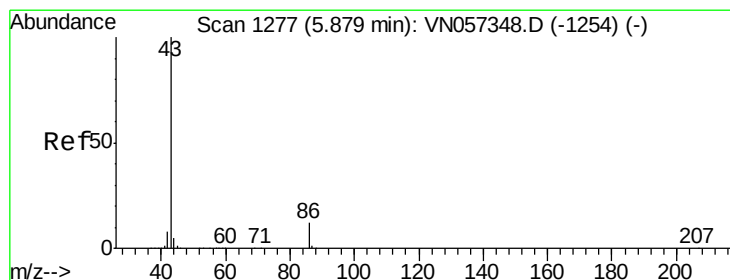
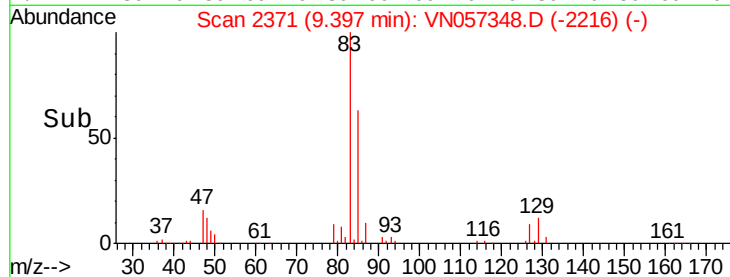
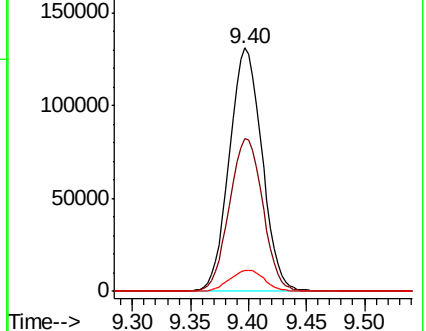
127 8.6 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 102.183 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057348.D

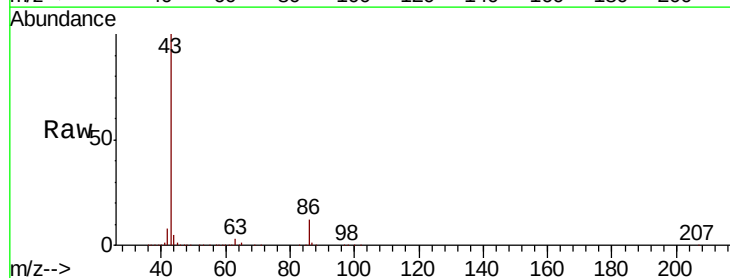
Acq: 16 Aug 2019 11:53

Tgt Ion: 43 Resp: 2052452

Ion Ratio Lower Upper

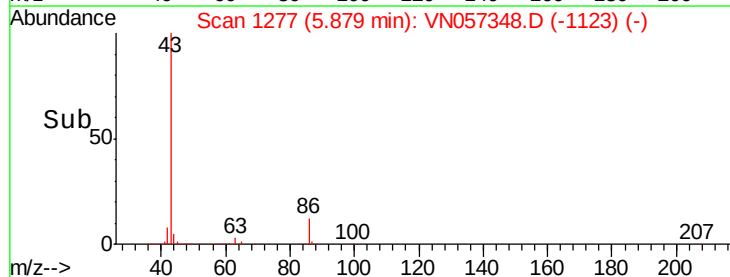
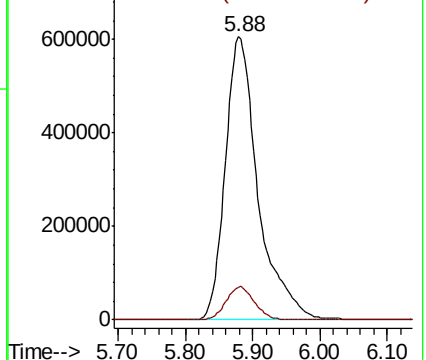
43 100

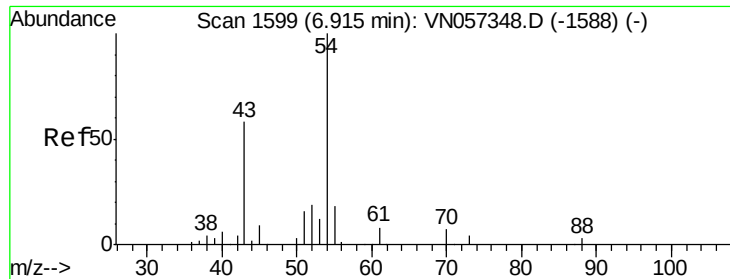
86 10.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

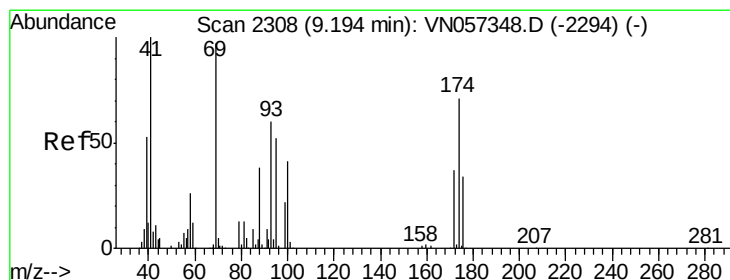
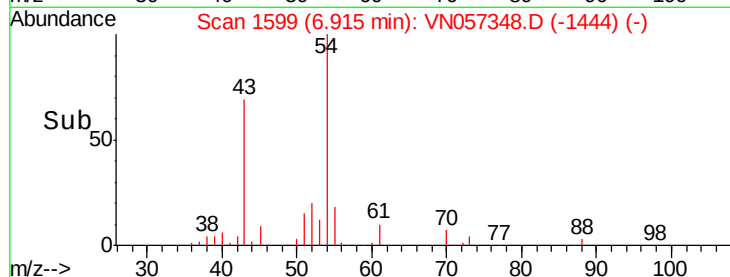
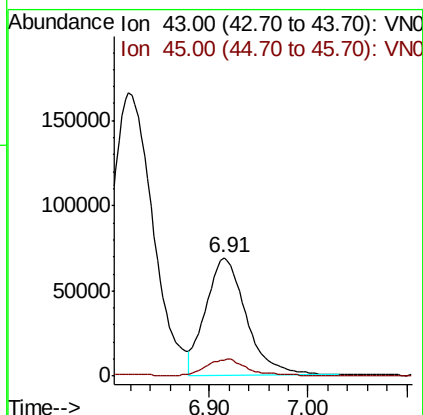
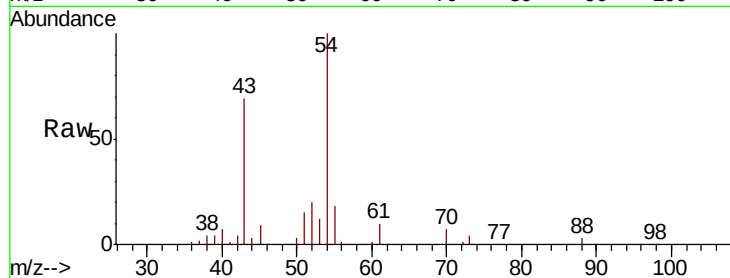




#43
Ethyl Acetate
Concen: 20.093 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

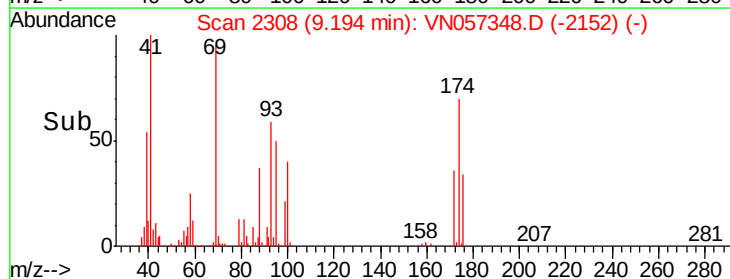
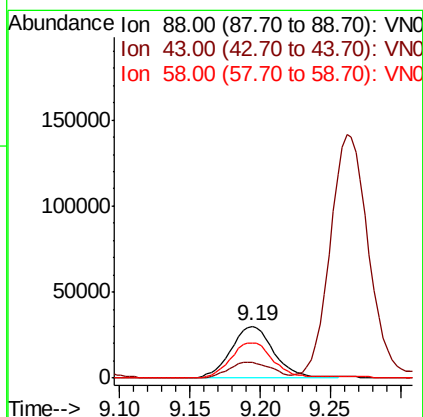
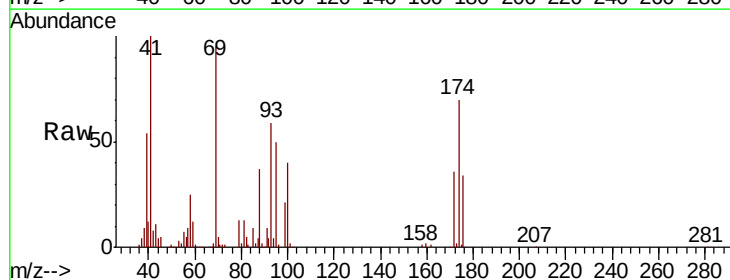
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

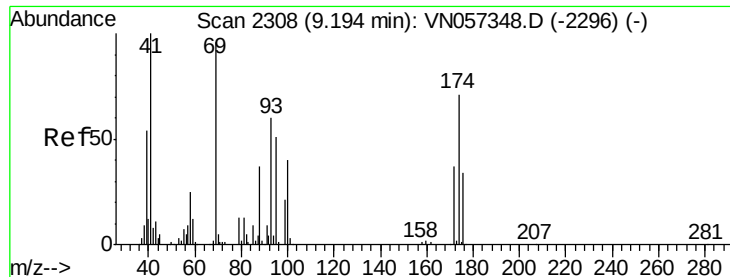
Tgt Ion: 43 Resp: 196791
Ion Ratio Lower Upper
43 100
45 13.1 11.2 16.8



#45
1,4-Dioxane
Concen: 395.344 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

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

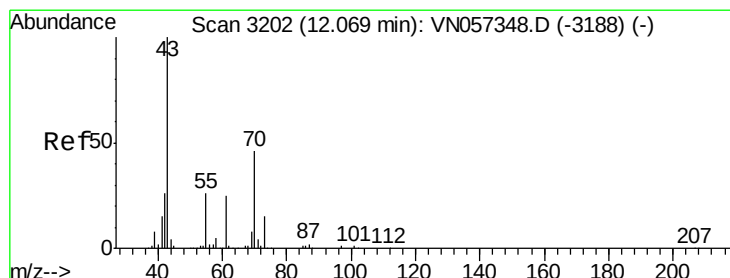
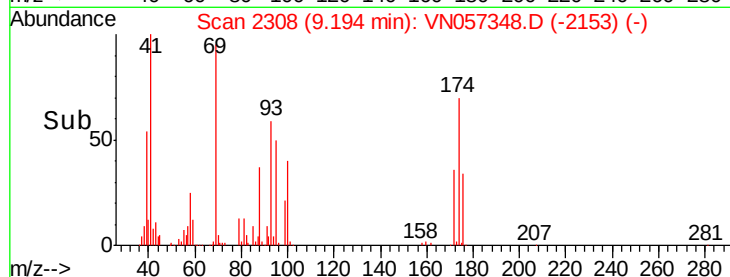
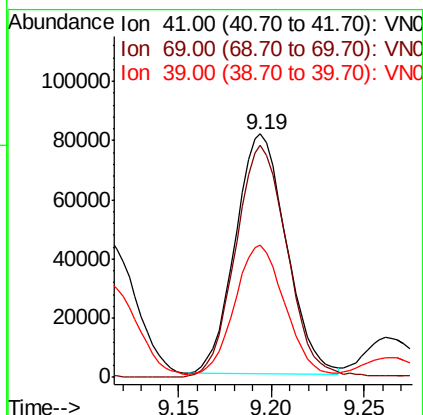
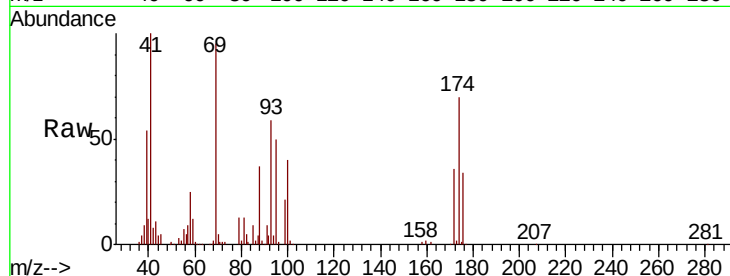




#46
Methyl methacrylate
Concen: 20.060 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

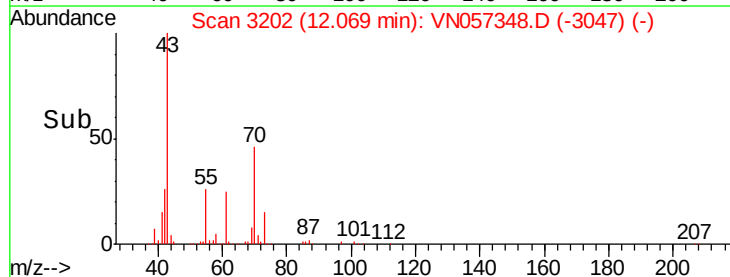
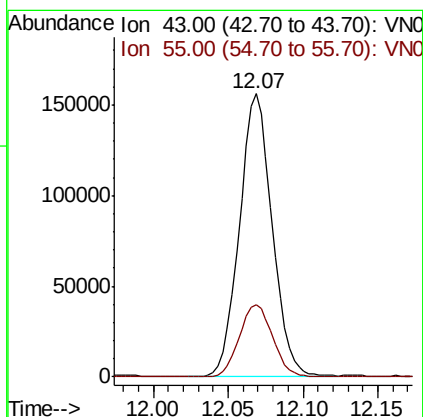
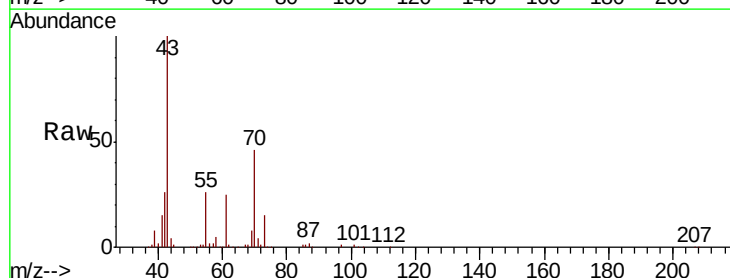
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

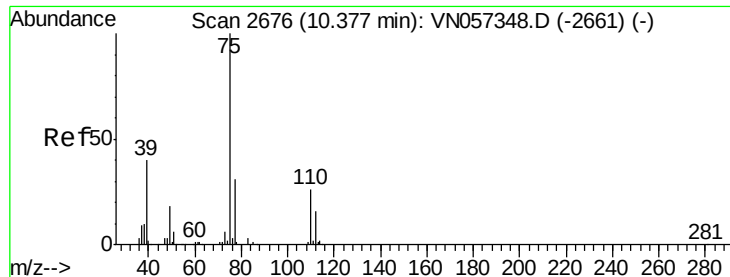
Tgt Ion: 41 Resp: 155034
Ion Ratio Lower Upper
41 100
69 96.2 43.0 129.0
39 53.8 25.1 75.4



#47
n-amyl acetate
Concen: 18.646 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion: 43 Resp: 237447
Ion Ratio Lower Upper
43 100
55 26.0 20.7 31.1





#48

t-1,3-Dichloropropene

Concen: 19.969 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

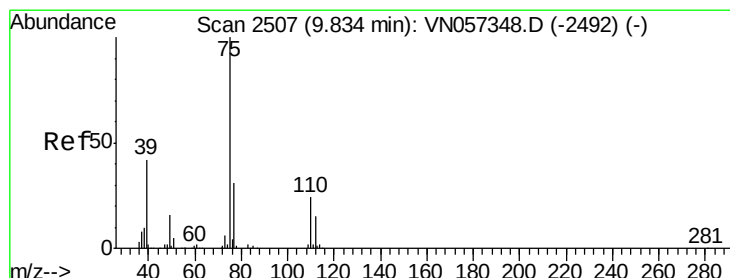
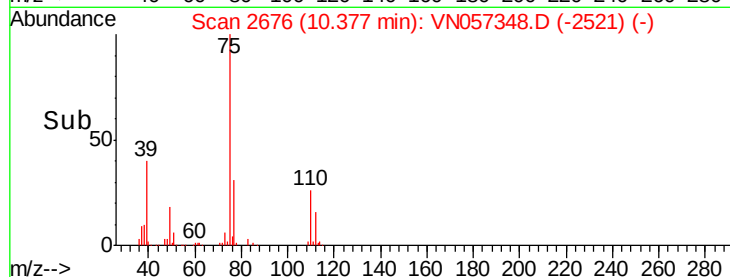
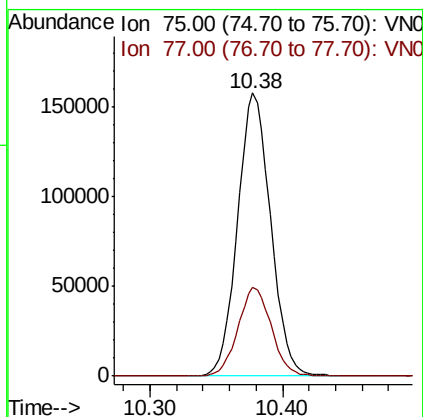
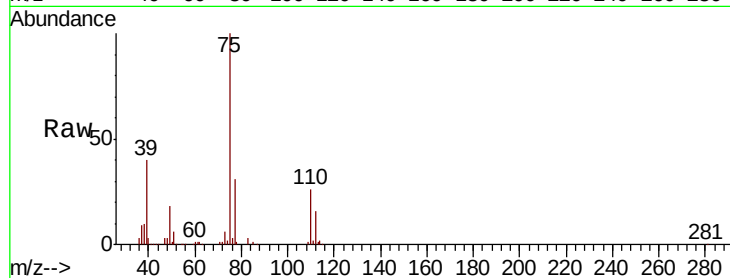
VSTDICCC020

Tgt Ion: 75 Resp: 273201

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



#49

cis-1,3-Dichloropropene

Concen: 20.343 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

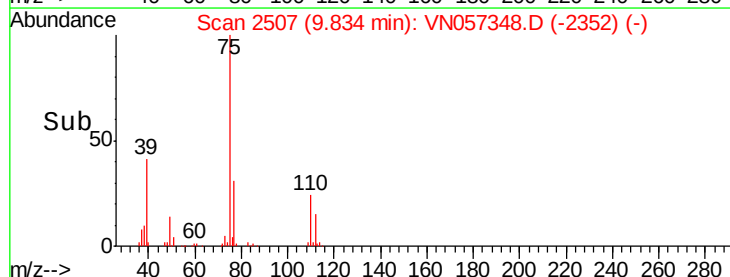
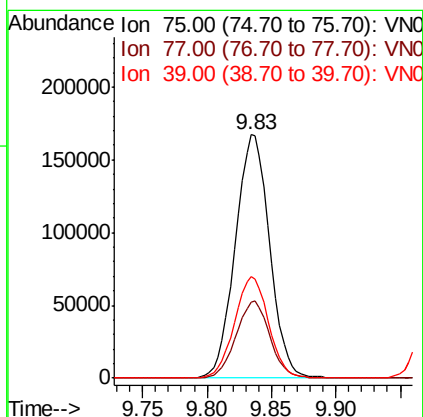
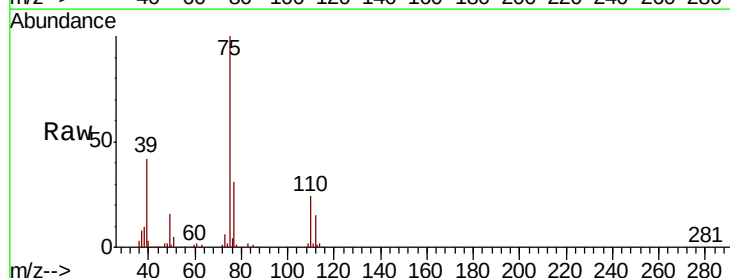
Tgt Ion: 75 Resp: 309871

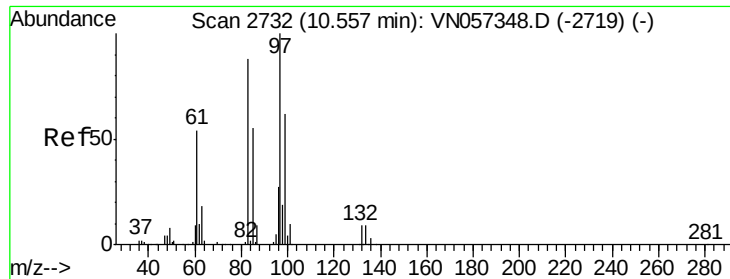
Ion Ratio Lower Upper

75 100

77 31.4 26.0 39.0

39 41.5 36.2 54.4

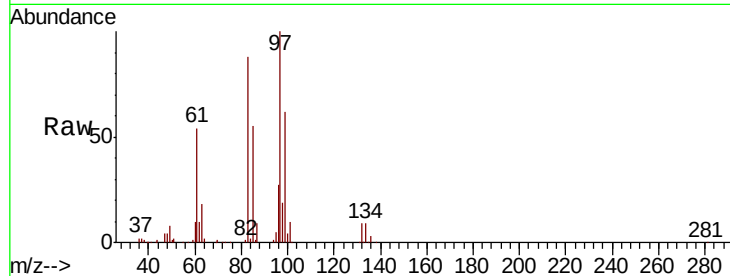




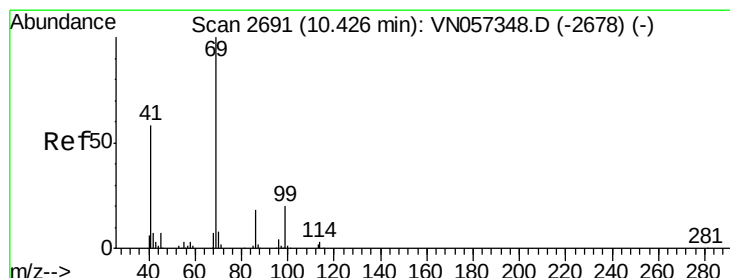
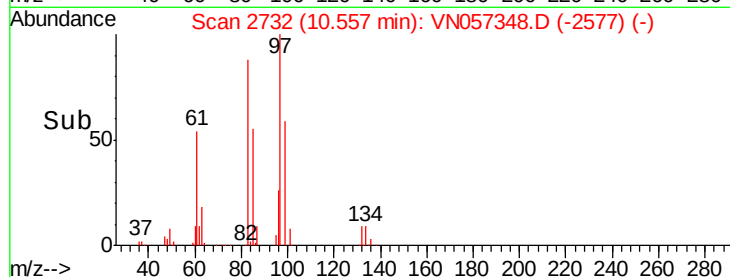
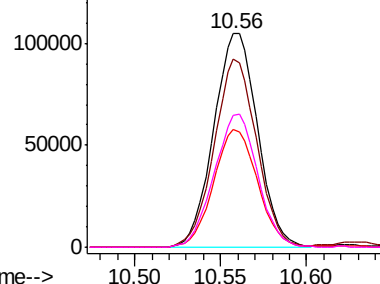
#50
1,1,2-Trichloroethane
Concen: 20.337 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:	97	Resp:	185234
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

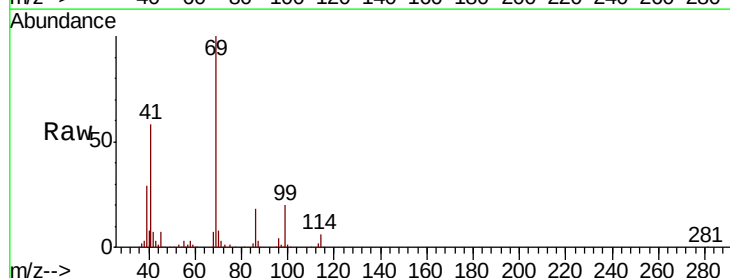


Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 82.95 (82.65 to 83.65): VN0
Ion 84.95 (84.65 to 85.65): VN0
Ion 98.95 (98.65 to 99.65): VN0

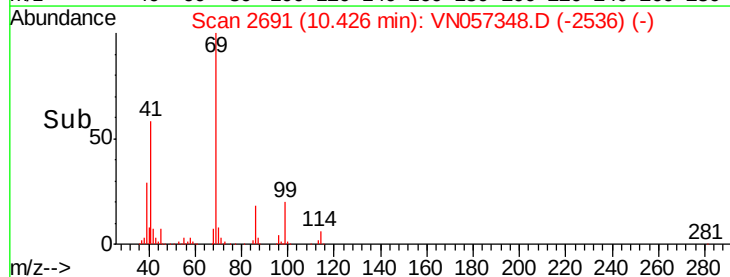
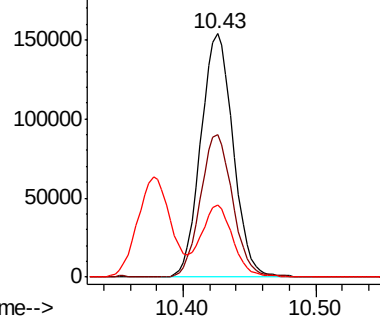


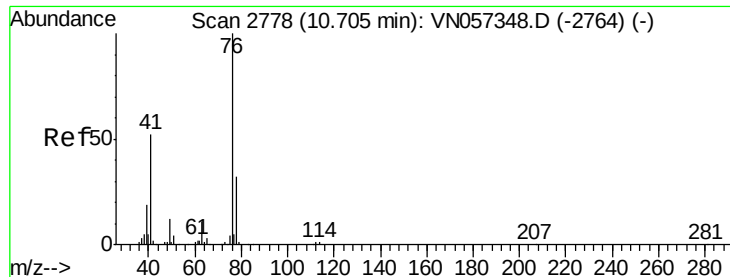
#51
Ethyl methacrylate
Concen: 19.739 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt 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): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#52

1,3-Dichloropropane

Concen: 20.384 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

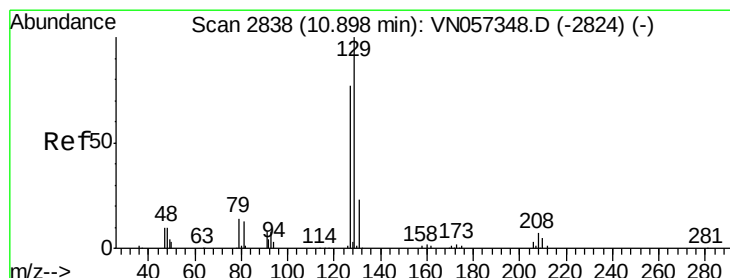
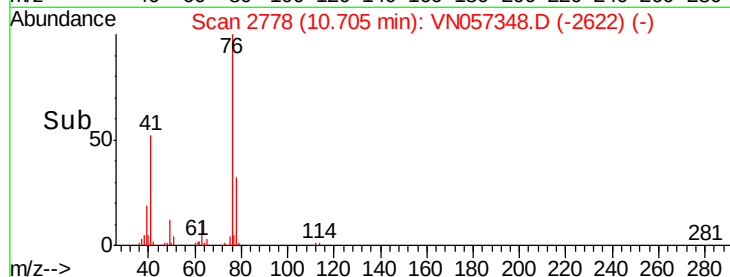
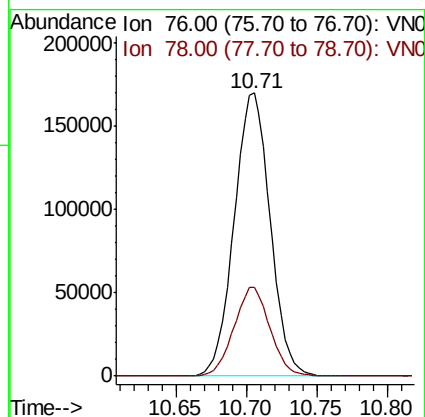
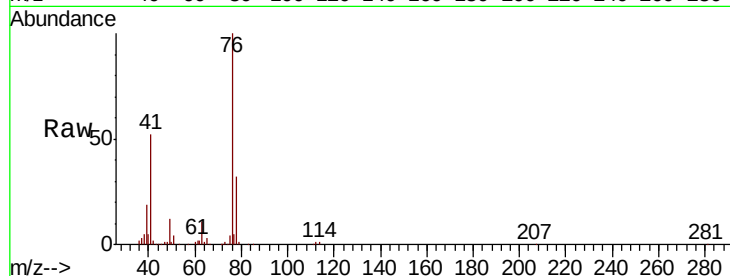
VSTDICCC020

Tgt Ion: 76 Resp: 303210

Ion Ratio Lower Upper

76 100

78 31.4 0.0 63.6



#53

Dibromochloromethane

Concen: 20.142 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057348.D

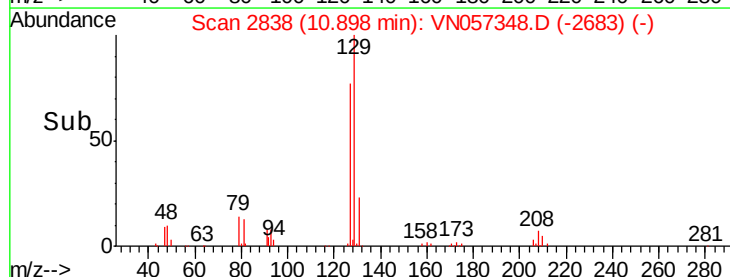
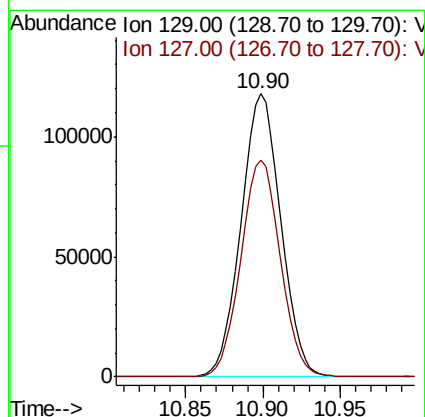
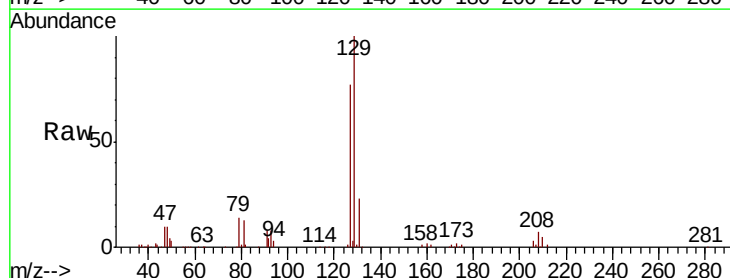
Acq: 16 Aug 2019 11:53

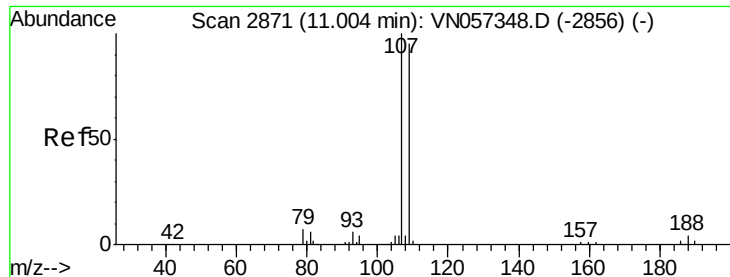
Tgt Ion: 129 Resp: 211070

Ion Ratio Lower Upper

129 100

127 76.1 38.7 116.1

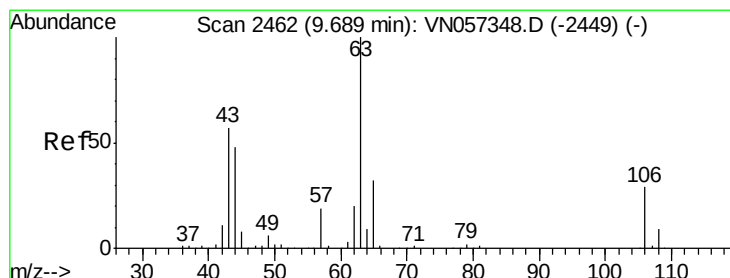
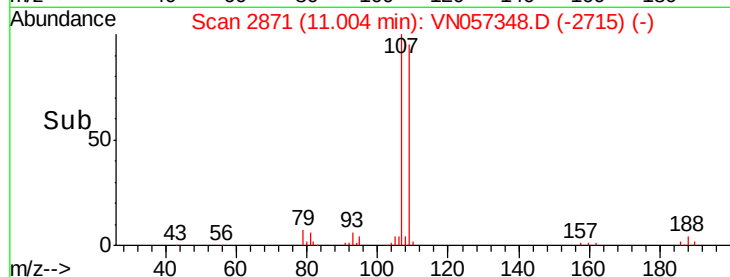
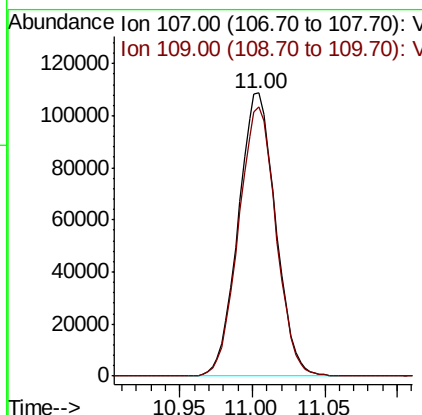
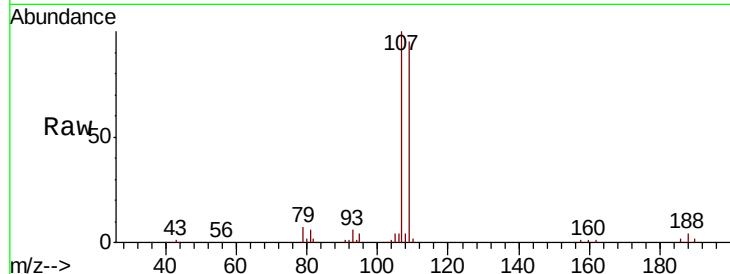




#54
 1,2-Dibromoethane
 Concen: 20.319 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

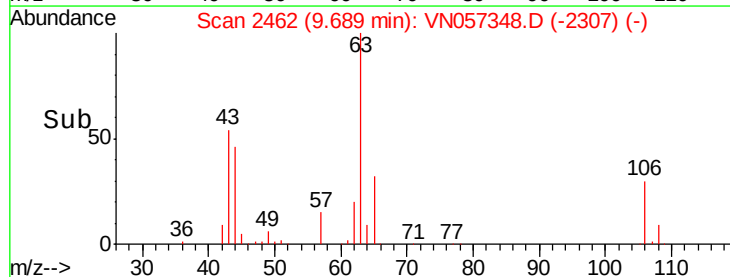
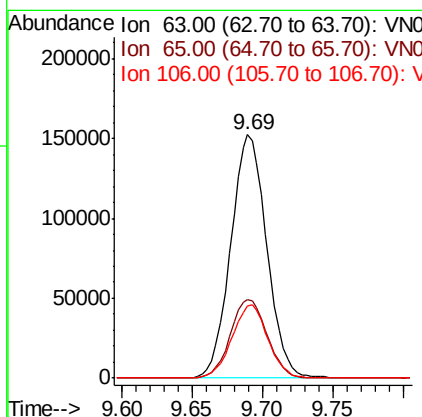
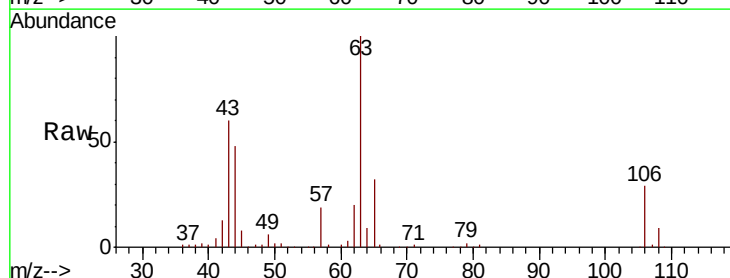
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

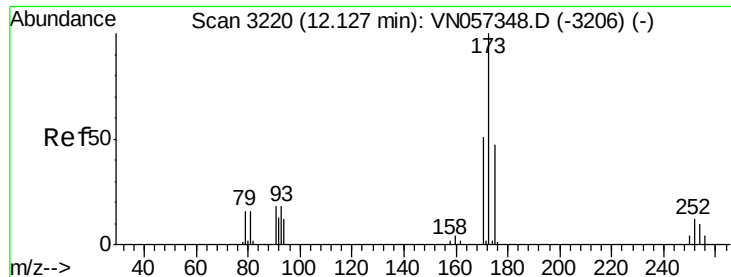
Tgt Ion: 107 Resp: 194917
 Ion Ratio Lower Upper
 107 100
 109 95.3 77.9 116.9



#55
 2-Chloroethyl vinyl ether
 Concen: 88.499 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

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

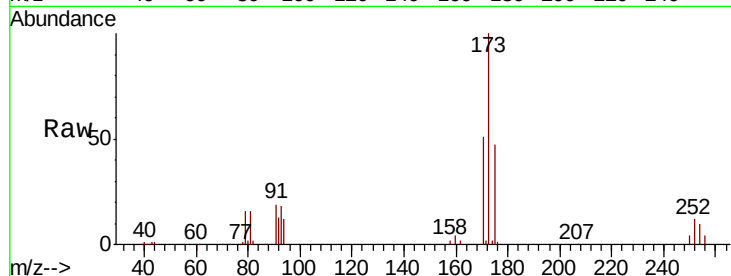




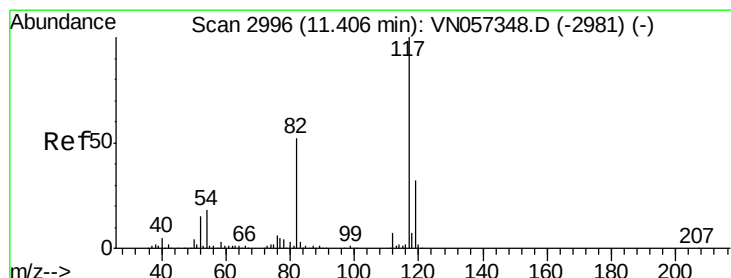
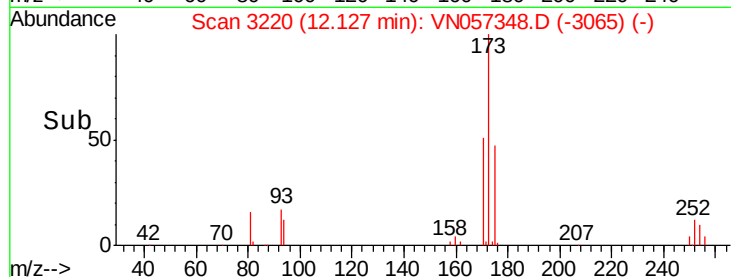
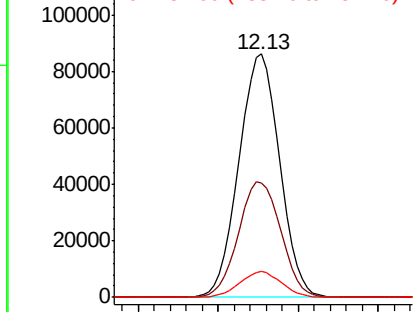
#56
Bromoform
Concen: 18.941 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

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

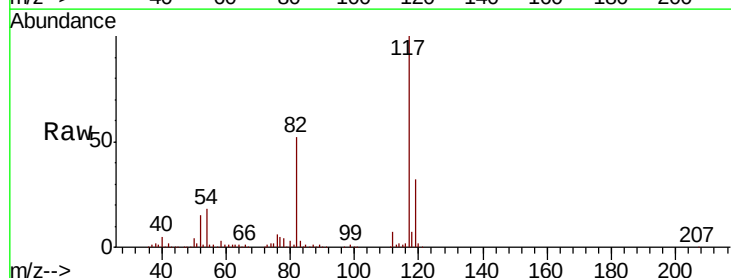


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

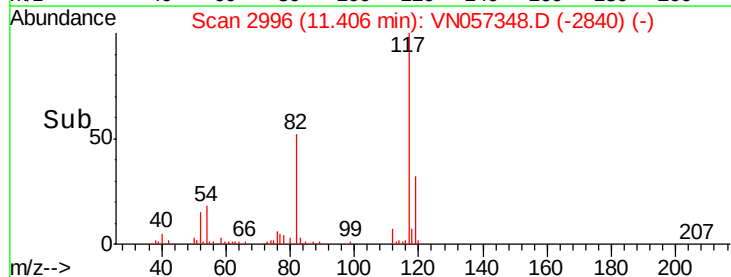
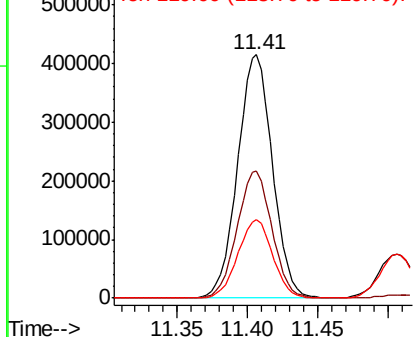


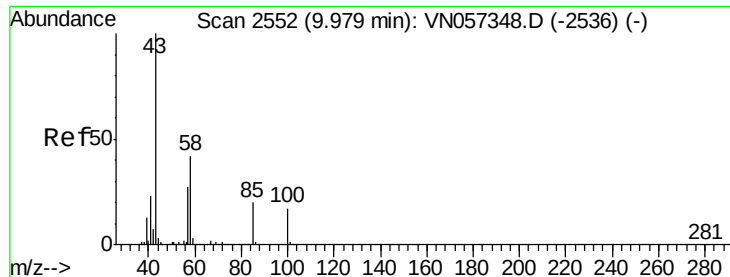
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

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



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V





#58

4-Methyl-2-Pentanone

Concen: 102.100 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

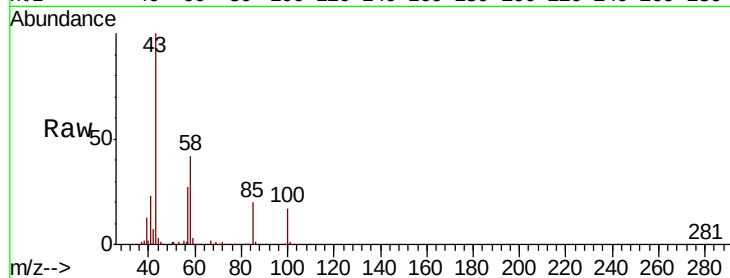
Tgt Ion: 43 Resp: 955232

Ion Ratio Lower Upper

43 100

58 42.1 31.9 47.9

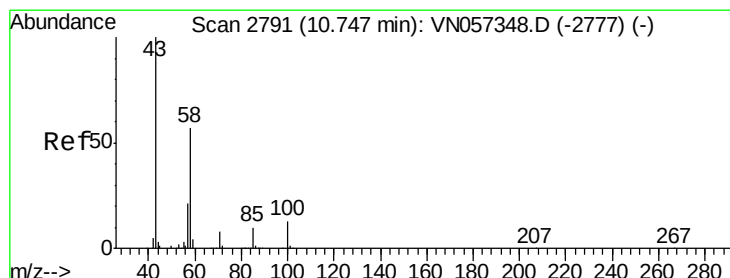
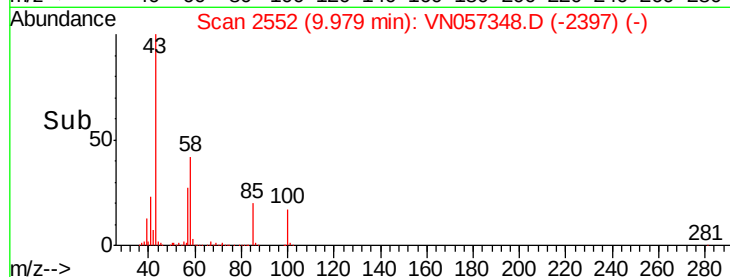
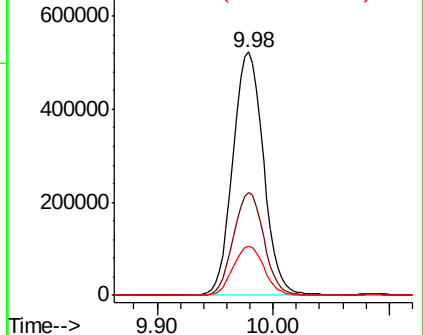
85 20.5 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#59

2-Hexanone

Concen: 101.886 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

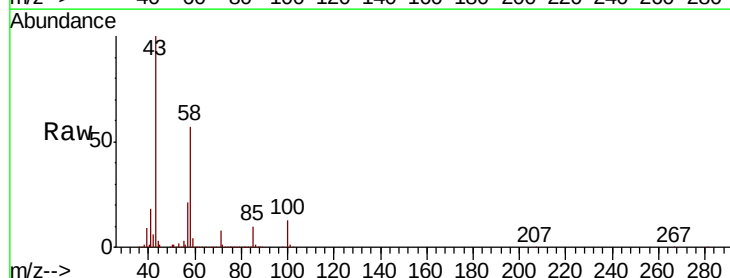
Tgt Ion: 43 Resp: 683698

Ion Ratio Lower Upper

43 100

58 57.2 44.4 66.6

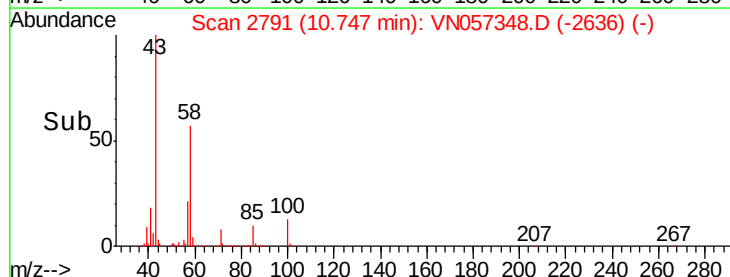
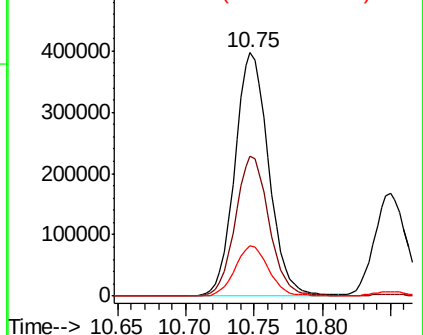
57 20.5 15.2 22.8

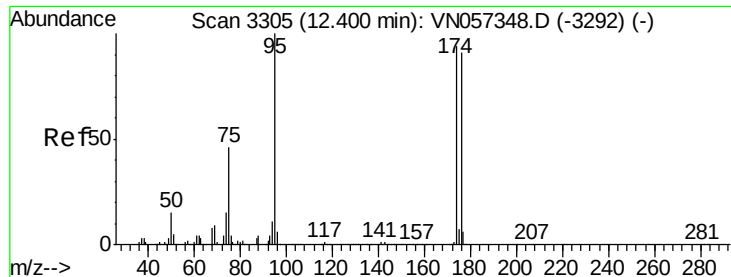


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#60

4-Bromofluorobenzene

Concen: 29.375 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

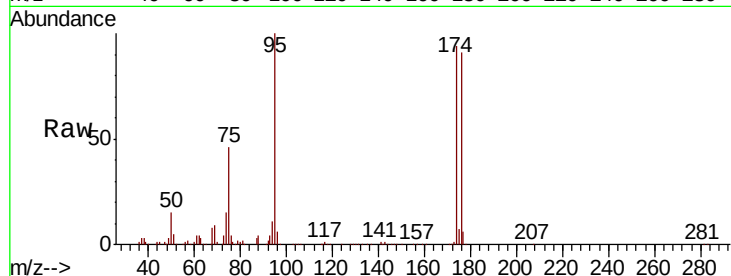
Tgt Ion: 95 Resp: 310659

Ion Ratio Lower Upper

95 100

174 93.9 72.6 108.8

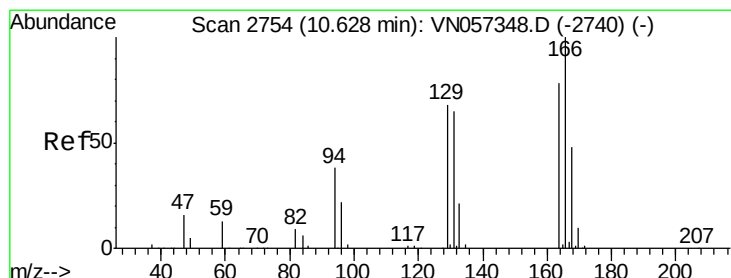
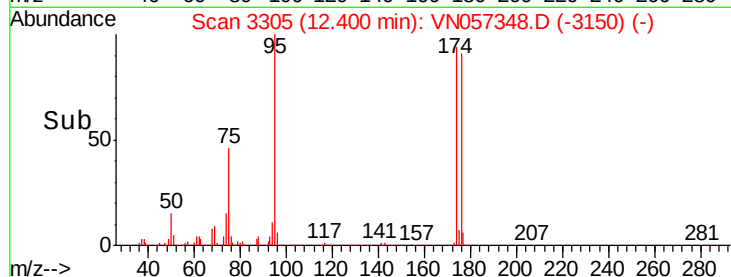
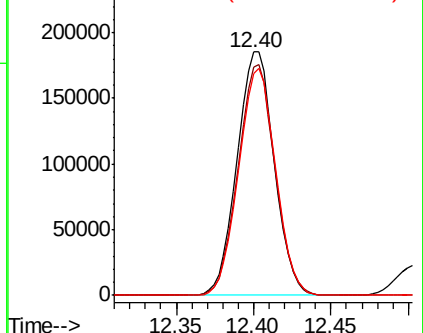
176 92.5 71.0 106.6



Abundance Ion 95.00 (94.70 to 95.70): VN057348.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN057348.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN057348.D (-3292) (-)



#61

Tetrachloroethene

Concen: 21.533 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Tgt Ion: 164 Resp: 226669

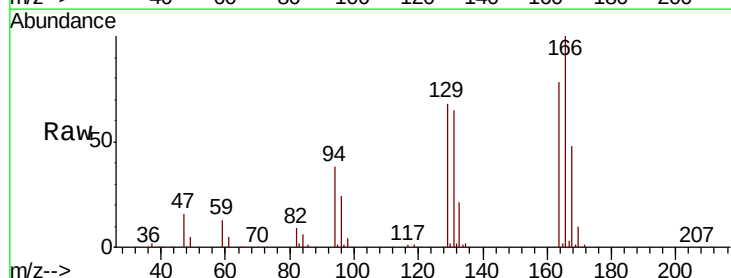
Ion Ratio Lower Upper

164 100

166 128.5 102.3 153.5

129 87.4 72.6 108.8

131 83.4 71.4 107.2

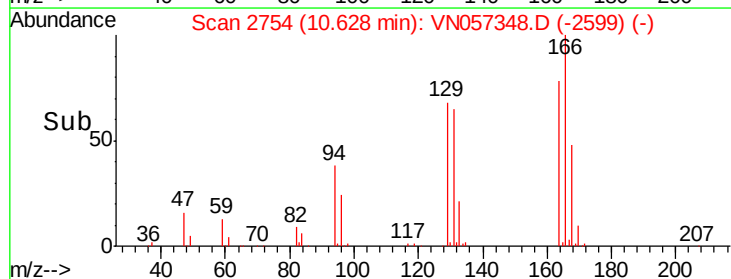
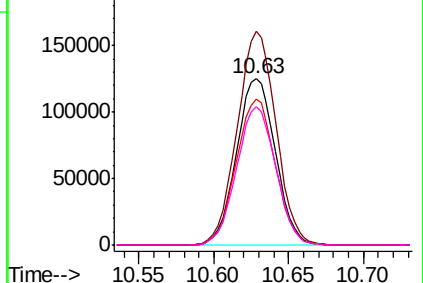


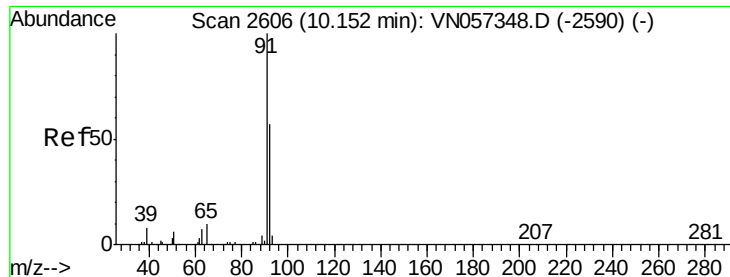
Abundance Ion 163.85 (163.55 to 164.55): VN057348.D (-2740) (-)

Ion 165.80 (165.50 to 166.50): VN057348.D (-2740) (-)

Ion 128.90 (128.60 to 129.60): VN057348.D (-2740) (-)

Ion 130.90 (130.60 to 131.60): VN057348.D (-2740) (-)





#62

Toluene

Concen: 20.804 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

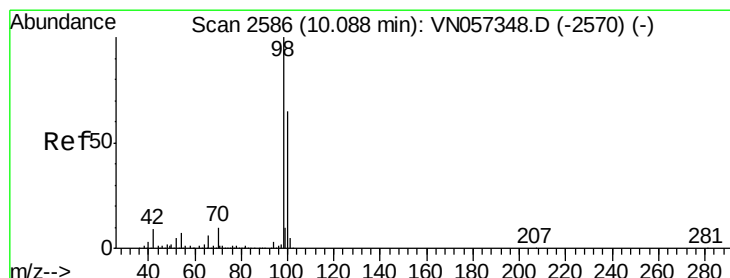
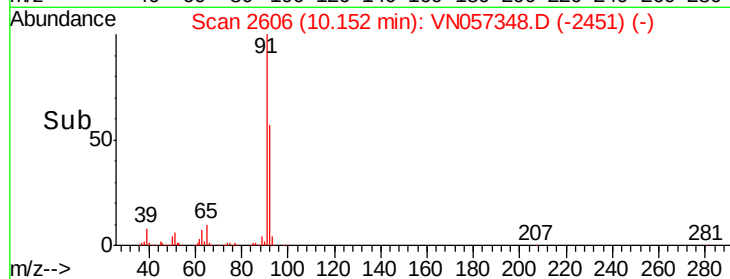
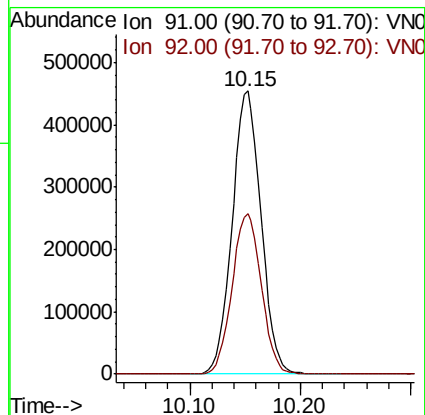
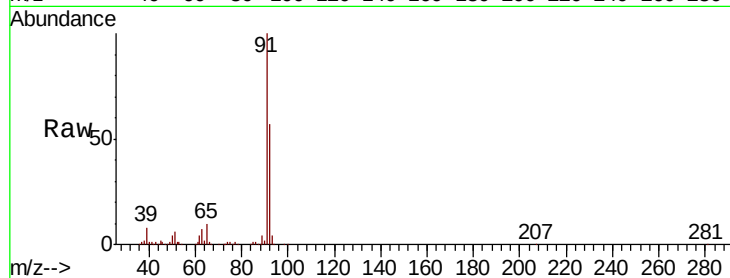
VSTDICCC020

Tgt Ion: 91 Resp: 824136

Ion Ratio Lower Upper

91 100

92 57.4 46.7 70.1



#63

Toluene-d8

Concen: 30.692 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057348.D

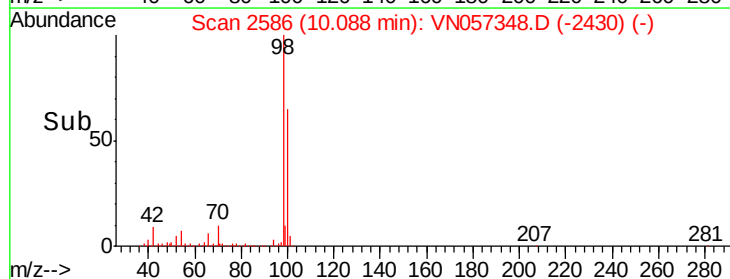
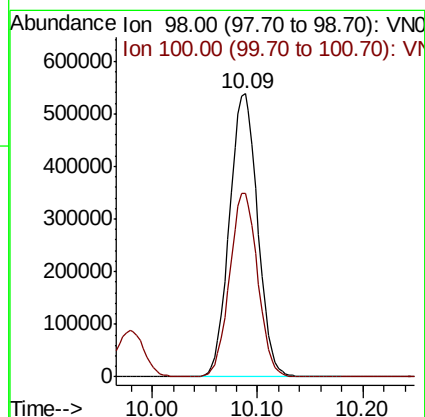
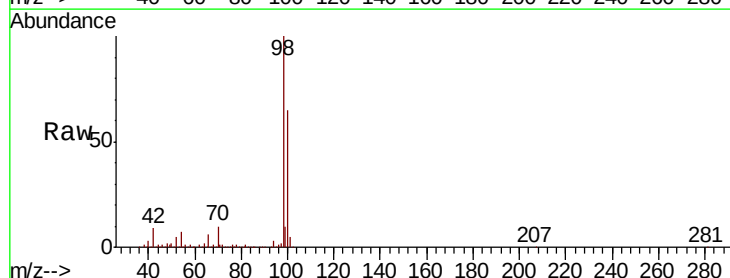
Acq: 16 Aug 2019 11:53

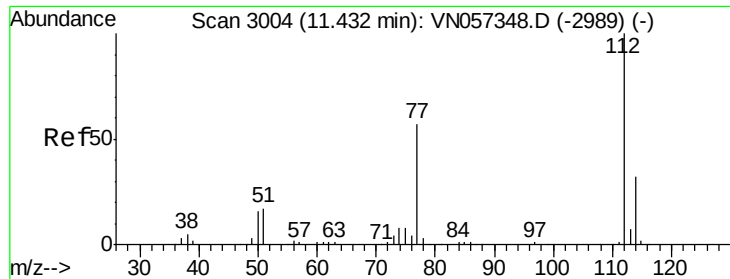
Tgt Ion: 98 Resp: 994265

Ion Ratio Lower Upper

98 100

100 64.7 51.1 76.7

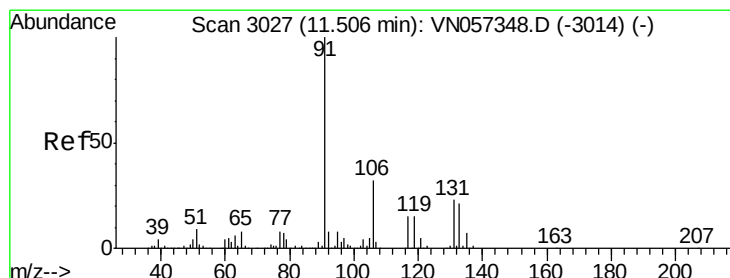
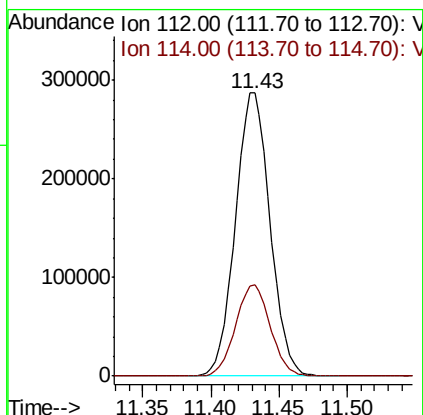
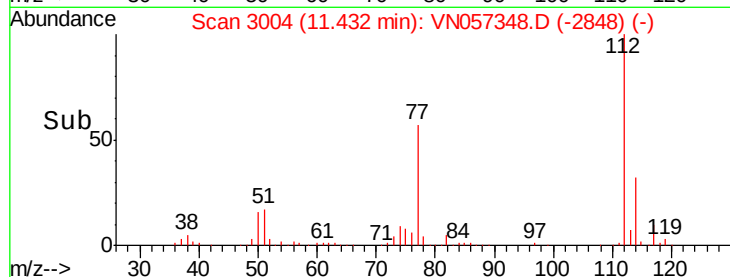
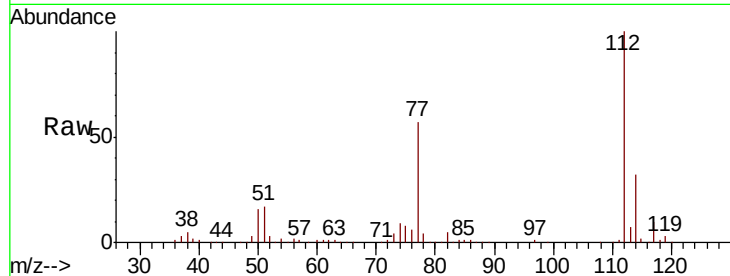




#64
Chlorobenzene
Concen: 20.291 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

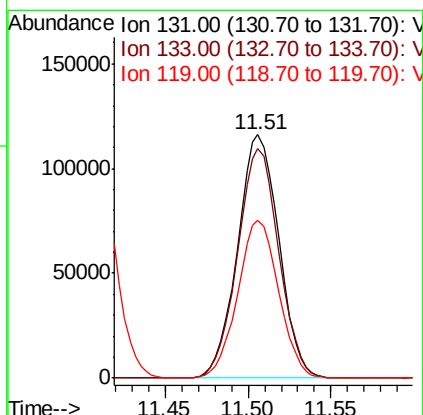
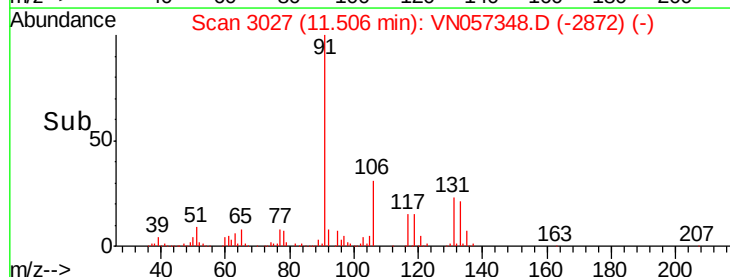
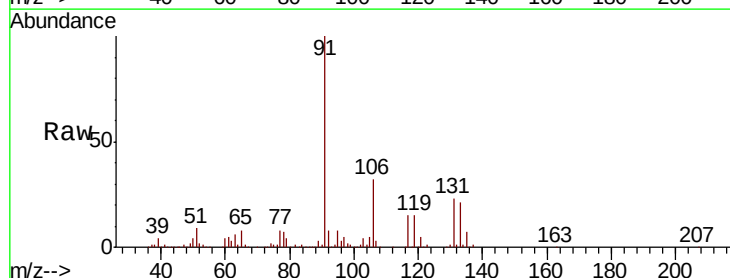
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

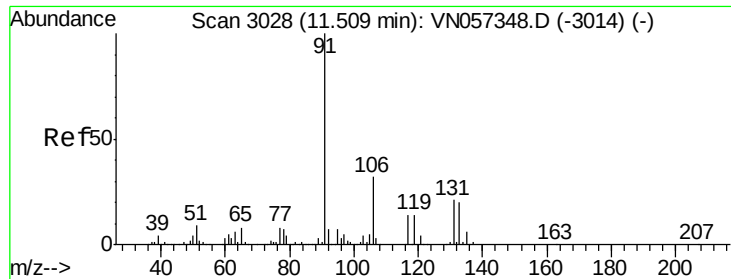
Tgt Ion:112 Resp: 504953
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#65
1,1,1,2-Tetrachloroethane
Concen: 20.808 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt Ion:131 Resp: 201278
Ion Ratio Lower Upper
131 100
133 94.3 0.0 191.4
119 64.4 0.0 133.4

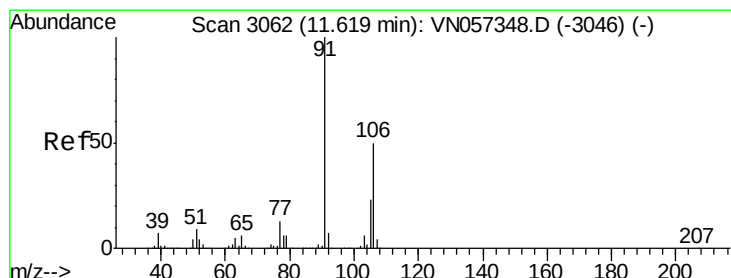
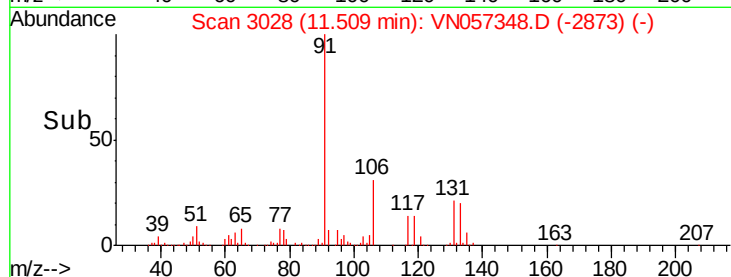
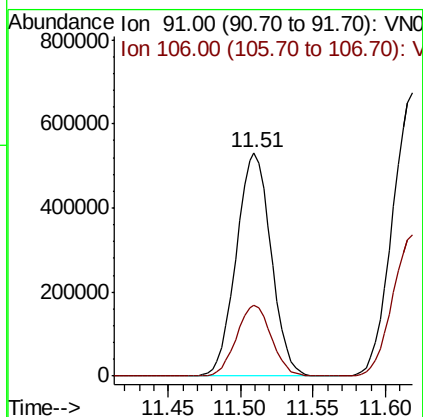
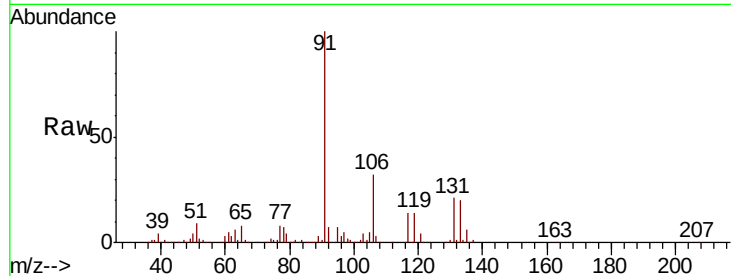




#66
Ethyl Benzene
Concen: 20.444 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

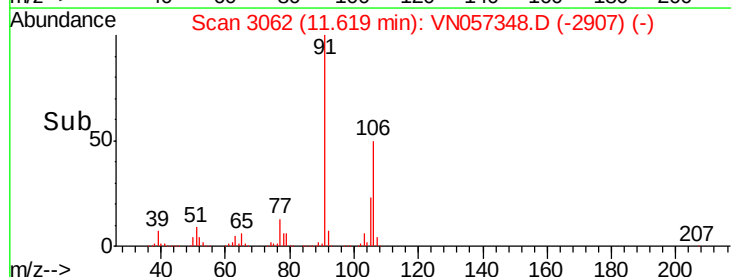
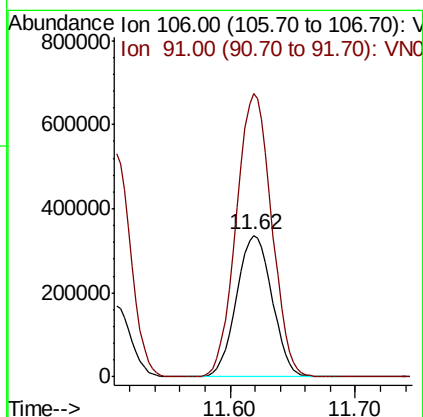
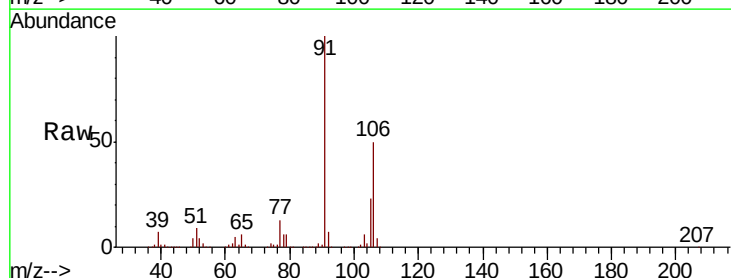
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

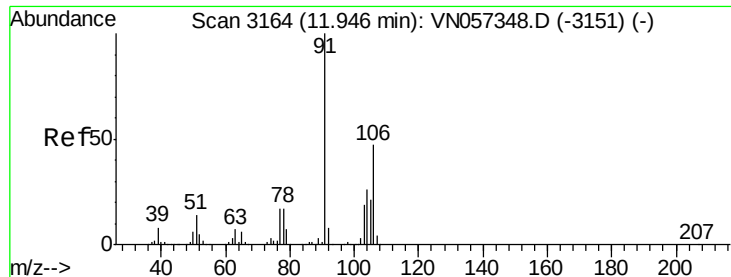
Tgt Ion: 91 Resp: 884804
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



#67
m/p-Xylenes
Concen: 40.934 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

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

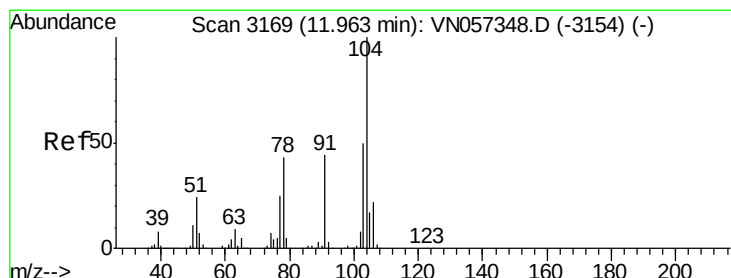
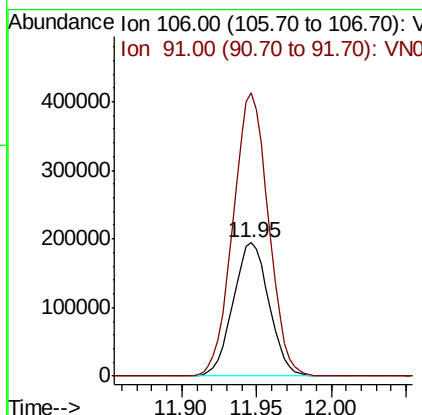
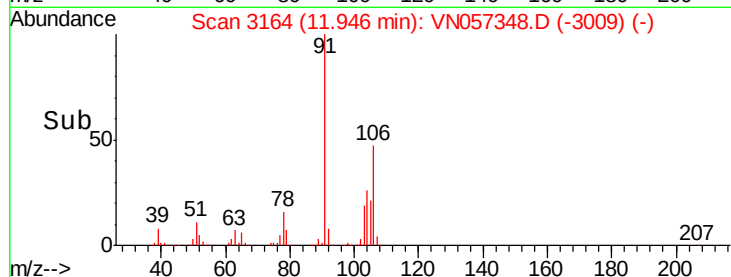
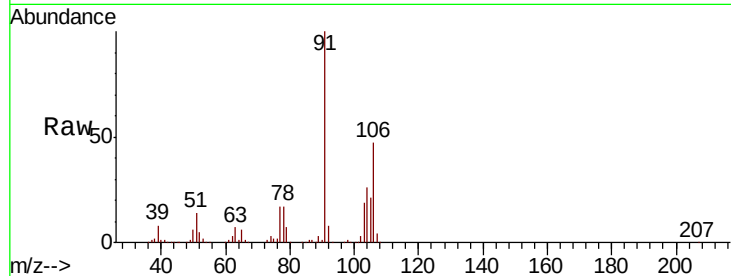




#68
o-Xylene
Concen: 20.539 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

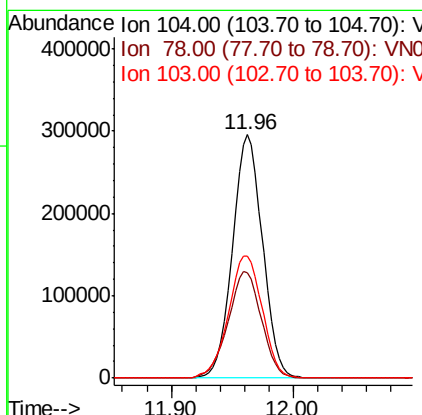
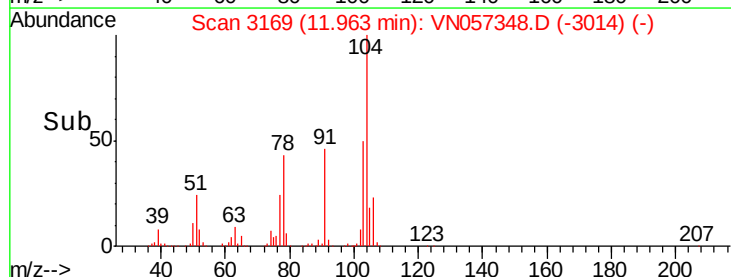
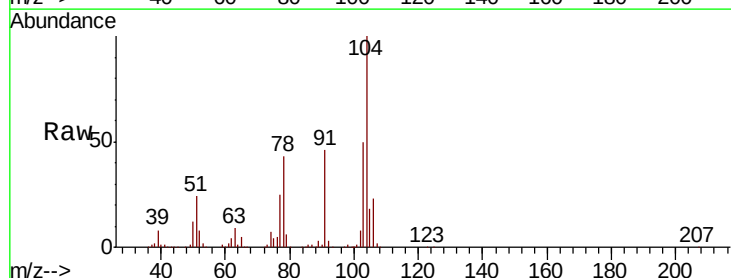
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

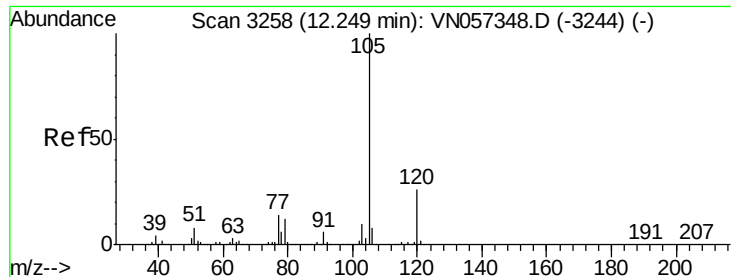
Tgt Ion:106 Resp: 325247
Ion Ratio Lower Upper
106 100
91 209.7 108.1 324.2



#69
Styrene
Concen: 19.855 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057348.D
Acq: 16 Aug 2019 11:53

Tgt 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: 20.496 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

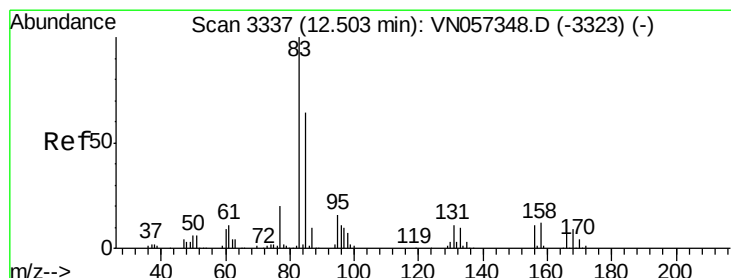
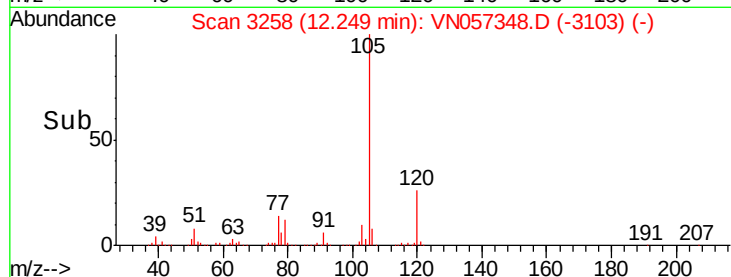
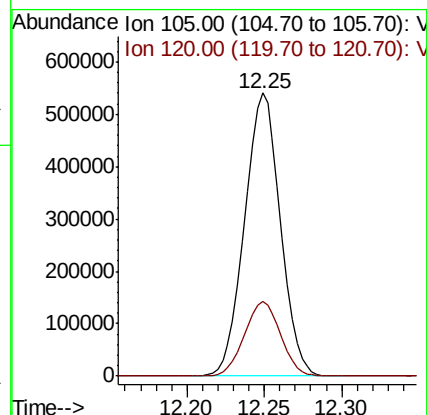
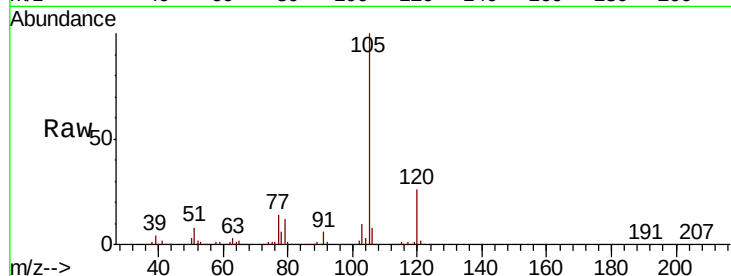
VSTDICCC020

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: 20.482 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

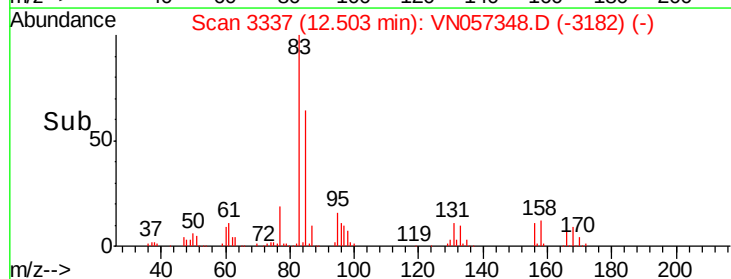
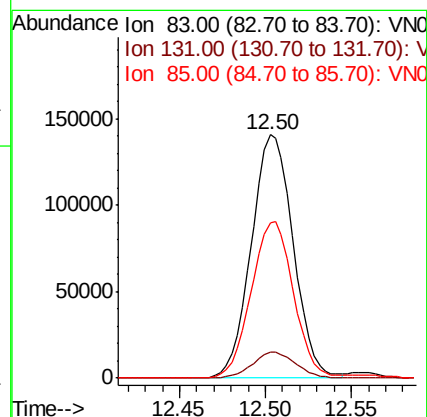
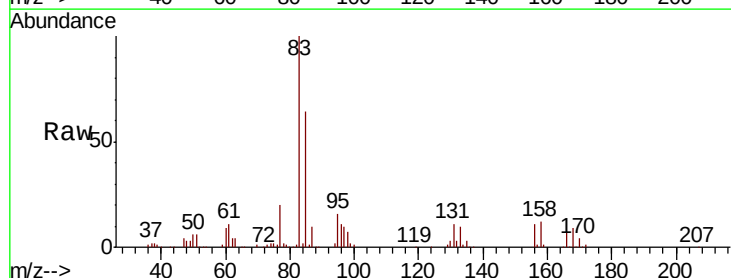
Tgt Ion: 83 Resp: 238194

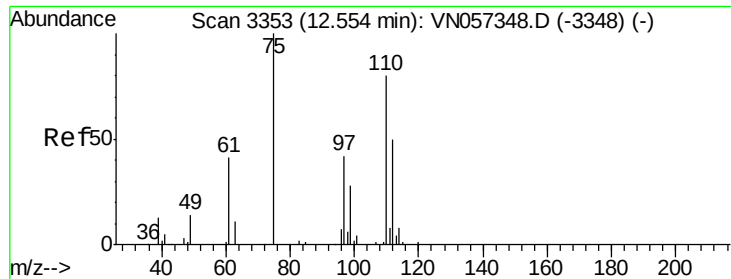
Ion Ratio Lower Upper

83 100

131 11.0 5.1 15.3

85 64.7 31.9 95.7





#72

1,2,3-Trichloropropane

Concen: 29.694 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

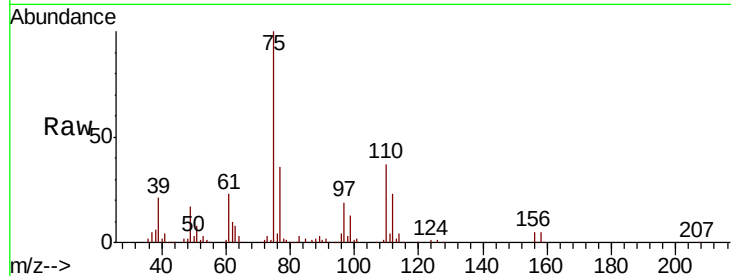
VSTDICCC020

Tgt Ion: 75 Resp: 291410

Ion Ratio Lower Upper

75 100

77 133.4 0.0 352.2



Abundance Ion 75.00 (74.70 to 75.70): VN057348.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057348.D (-3348) (-)

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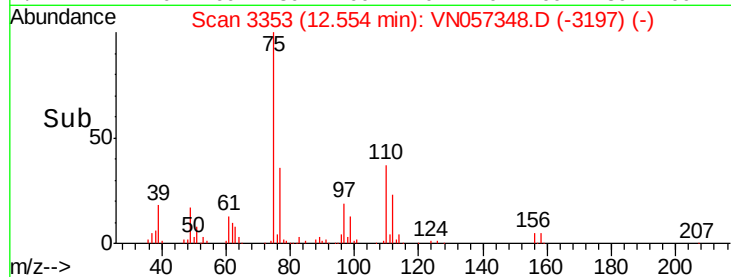
12.55

12.55

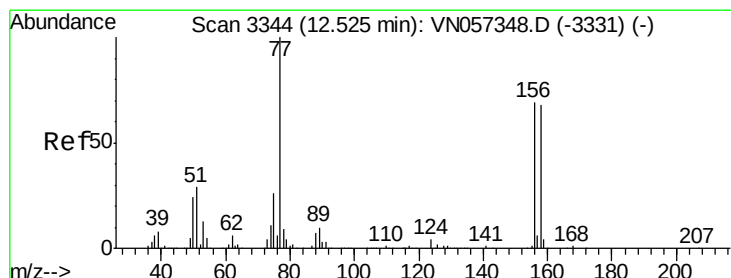
12.55

12.55

12.55



Time-->



#73

Bromobenzene

Concen: 19.567 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

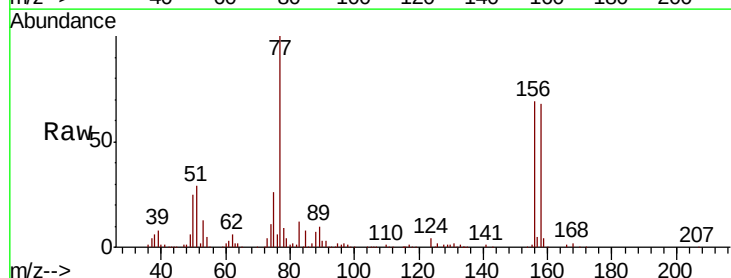
Tgt Ion: 156 Resp: 220129

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): VN057348.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN057348.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN057348.D (-3331) (-)

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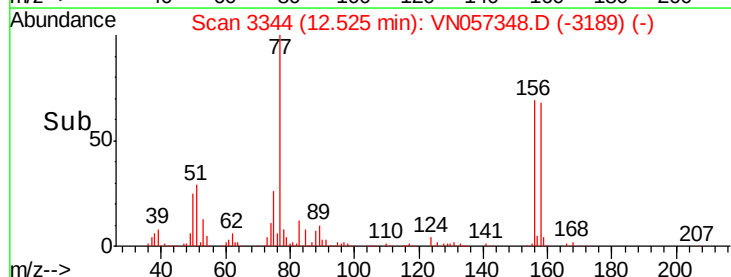
12.53

12.53

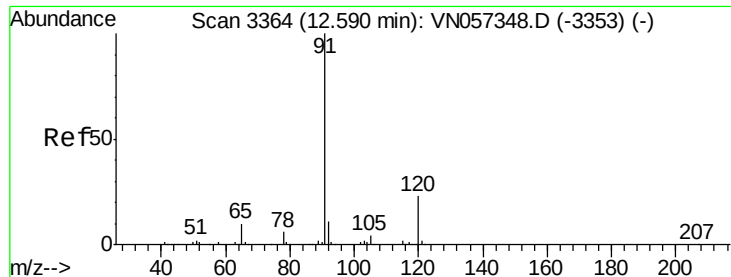
12.53

12.53

12.53



Time-->



#74

n-propylbenzene

Concen: 19.525 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

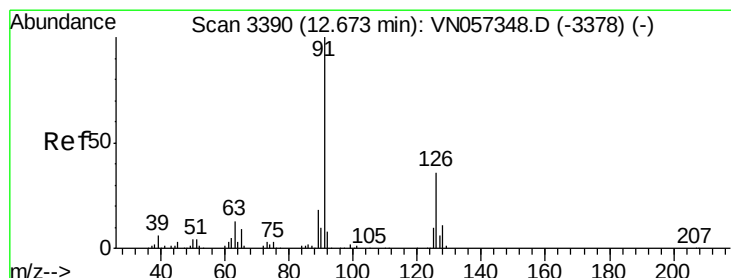
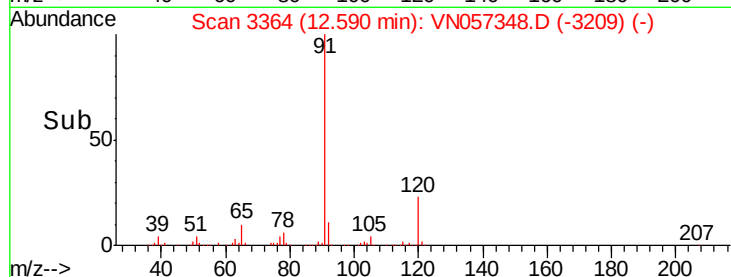
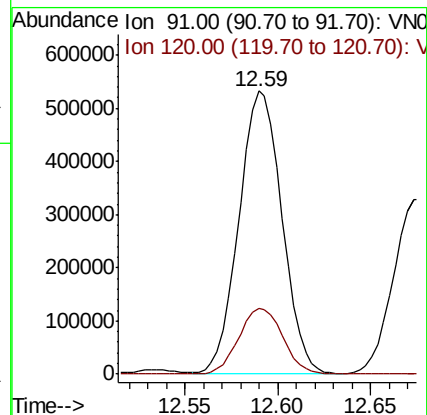
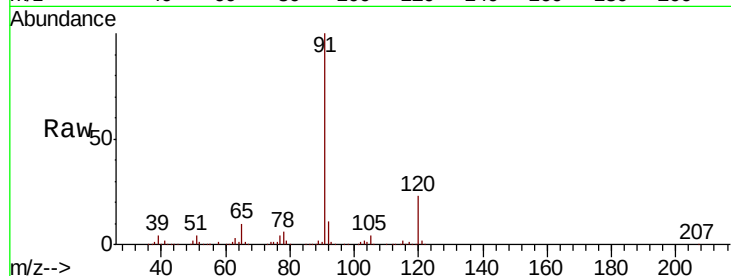
VSTDICCC020

Tgt Ion: 91 Resp: 861011

Ion Ratio Lower Upper

91 100

120 23.6 0.0 45.6



#75

2-Chlorotoluene

Concen: 20.209 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057348.D

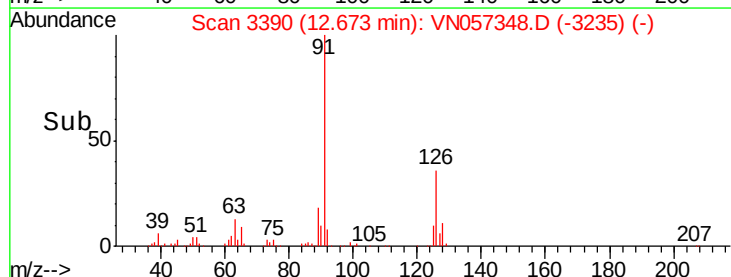
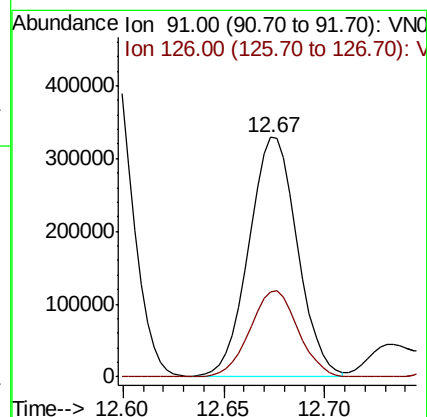
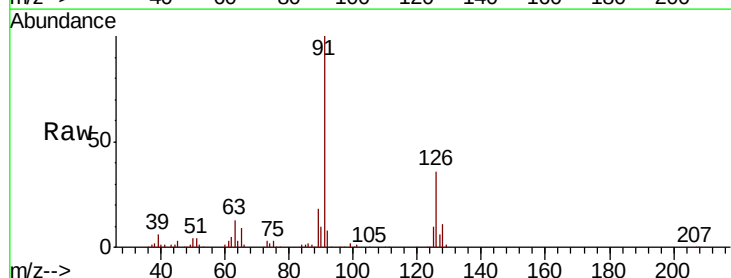
Acq: 16 Aug 2019 11:53

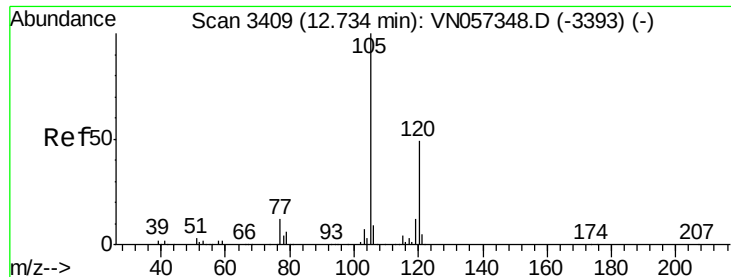
Tgt Ion: 91 Resp: 553022

Ion Ratio Lower Upper

91 100

126 35.9 0.0 69.8





#76

1,3,5-Trimethylbenzene

Concen: 20.414 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampled :

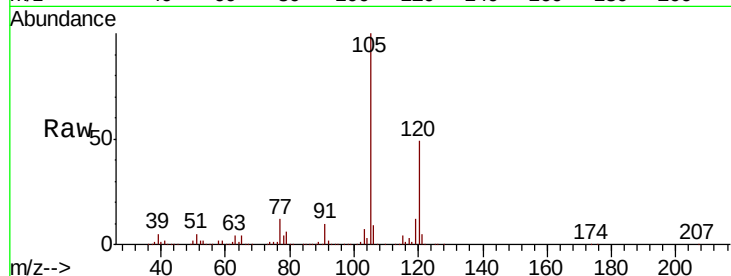
VSTDICCC020

Tgt Ion:105 Resp: 720797

Ion Ratio Lower Upper

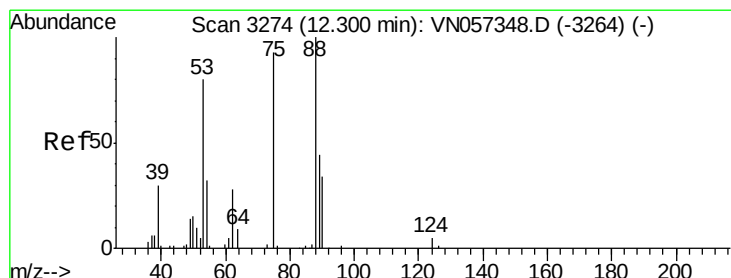
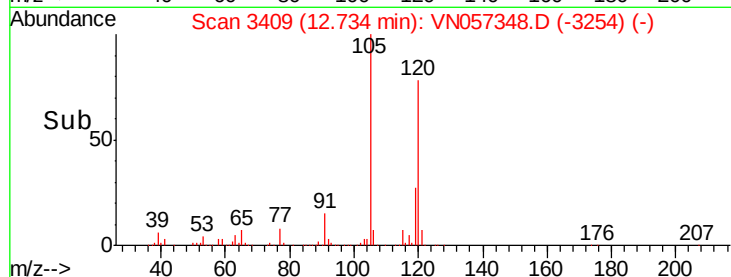
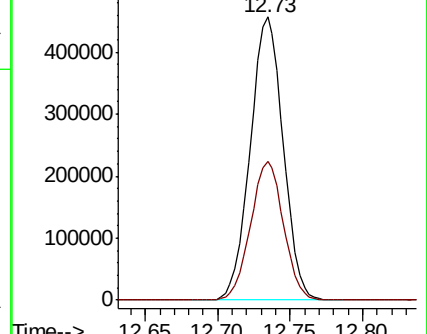
105 100

120 49.1 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 18.789 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

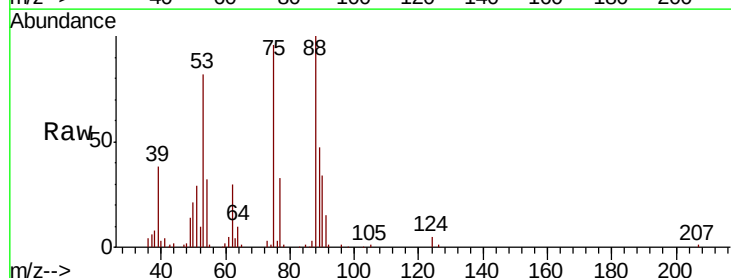
Tgt Ion: 75 Resp: 70757

Ion Ratio Lower Upper

75 100

53 86.2 48.6 145.8

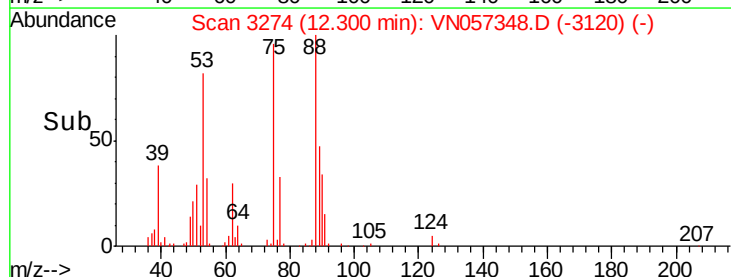
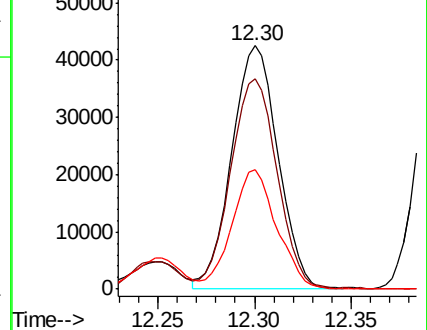
89 49.5 21.3 64.0

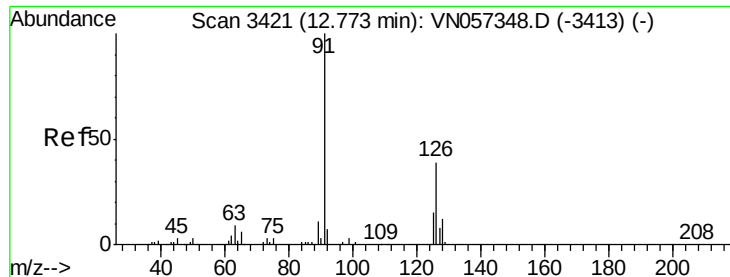


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 18.820 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

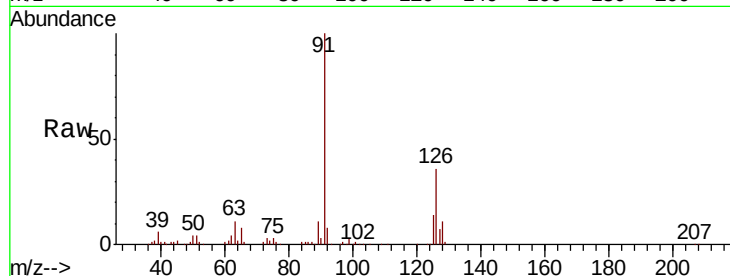
VSTDICCC020

Tgt Ion: 91 Resp: 481866

Ion Ratio Lower Upper

91 100

126 36.4 0.0 69.4



Abundance Ion 91.00 (90.70 to 91.70): VN057348.D (-3413) (-)

Ion 126.00 (125.70 to 126.70): VN057348.D (-3413) (-)

12.77

300000

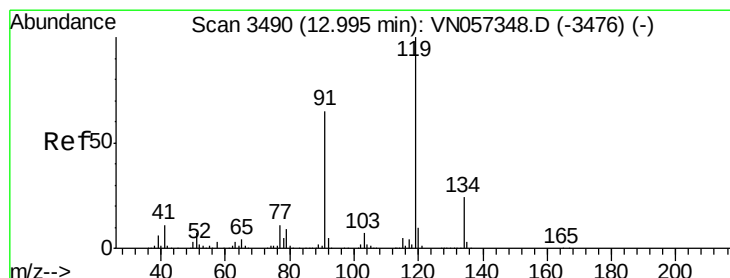
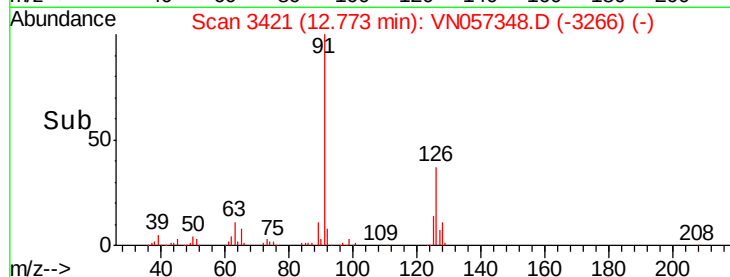
200000

100000

0

12.75 12.80 12.85

Time-->



#79

tert-butylbenzene

Concen: 20.301 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

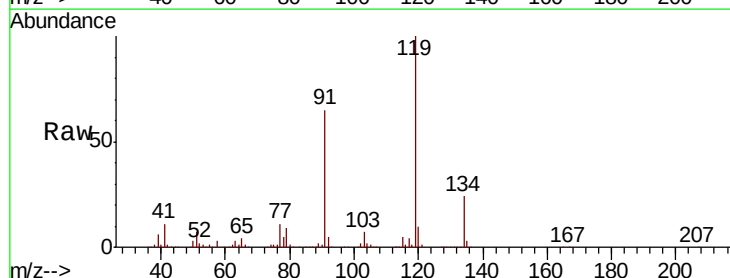
Tgt Ion: 119 Resp: 638749

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): VN057348.D (-3476) (-)

Ion 91.00 (90.70 to 91.70): VN057348.D (-3476) (-)

Ion 134.00 (133.70 to 134.70): VN057348.D (-3476) (-)

12.99

500000

400000

300000

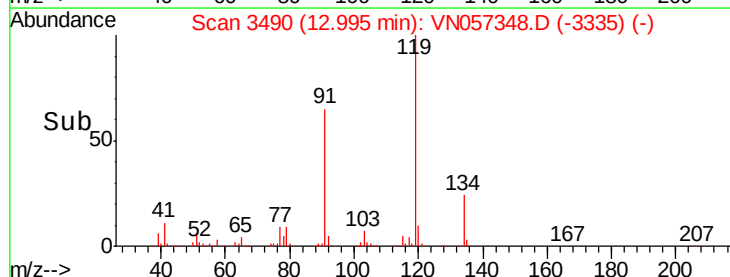
200000

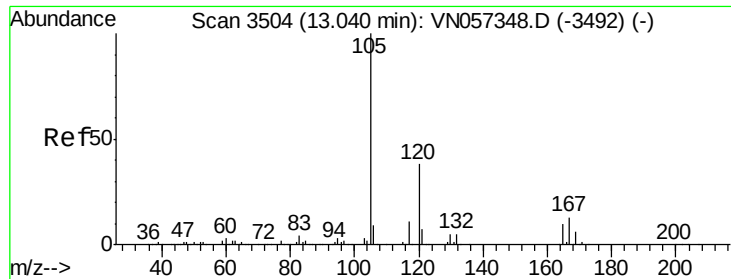
100000

0

12.95 13.00

Time-->

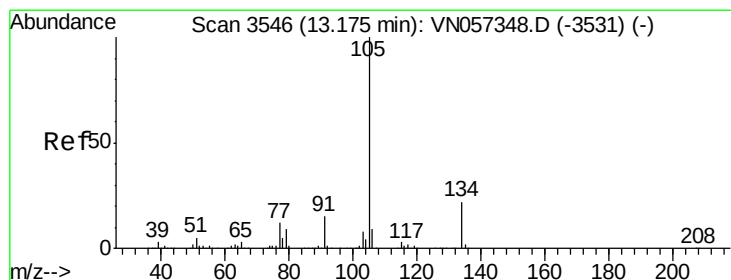
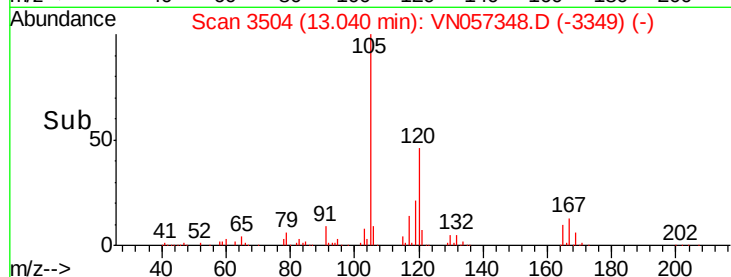
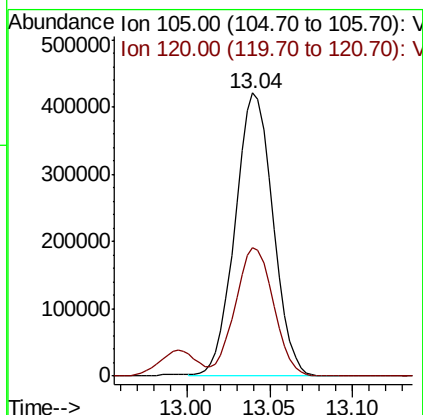
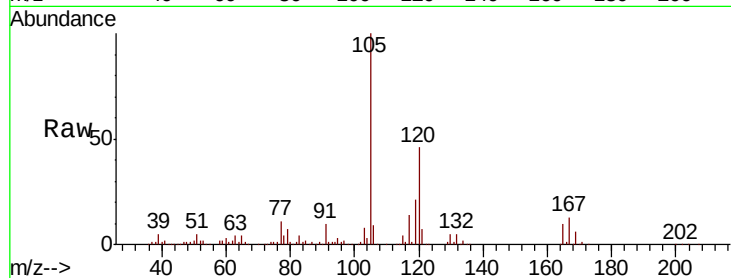




#80
 1,2,4-Trimethylbenzene
 Concen: 20.056 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

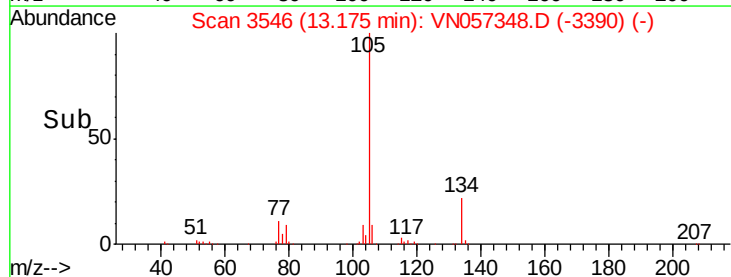
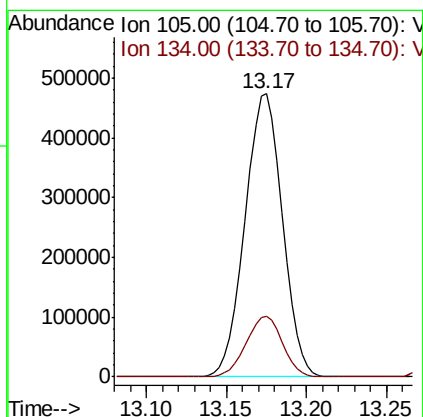
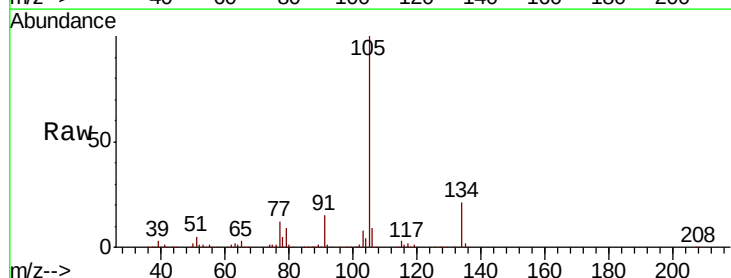
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

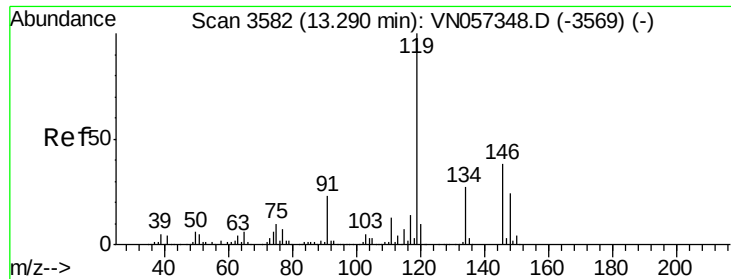
Tgt Ion:105 Resp: 667968
 Ion Ratio Lower Upper
 105 100
 120 46.0 0.0 91.2



#81
 sec-Butylbenzene
 Concen: 19.487 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Tgt Ion:105 Resp: 755800
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 40.8

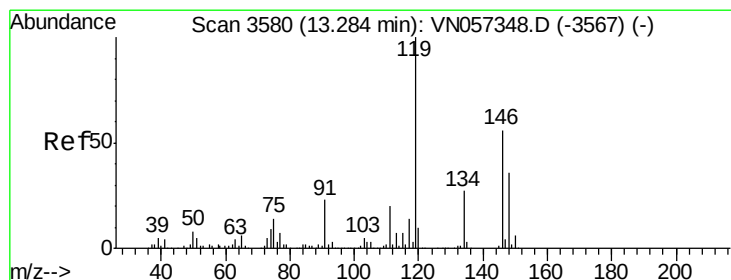
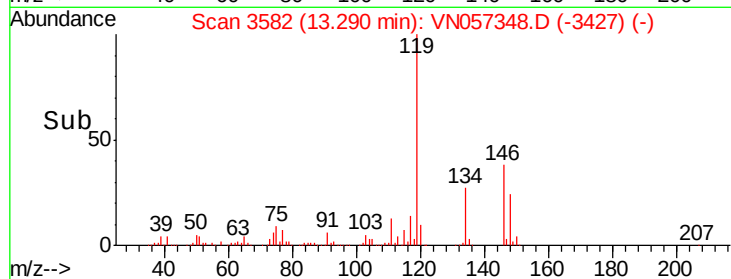
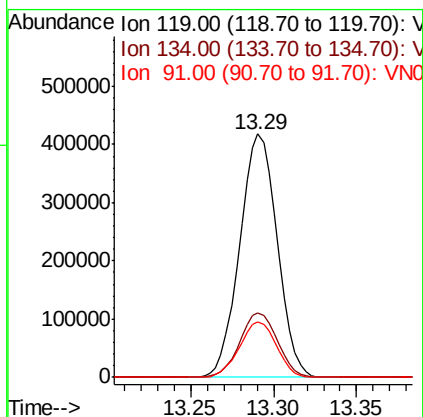
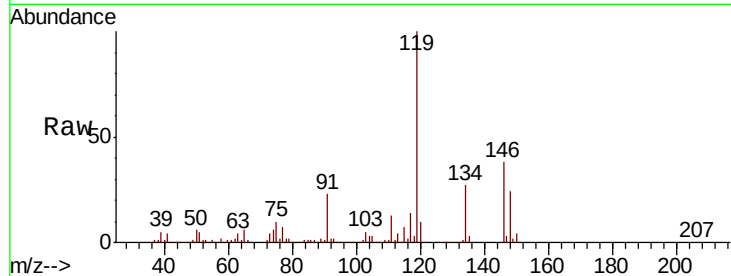




#82
 p-Isopropyltoluene
 Concen: 18.914 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

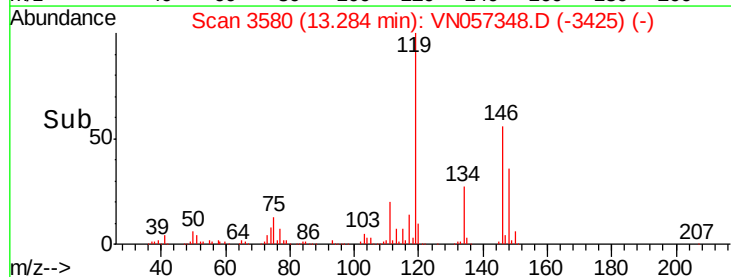
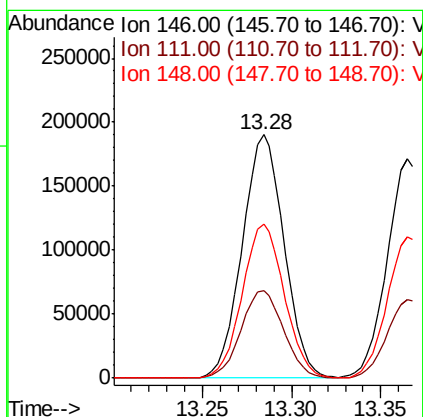
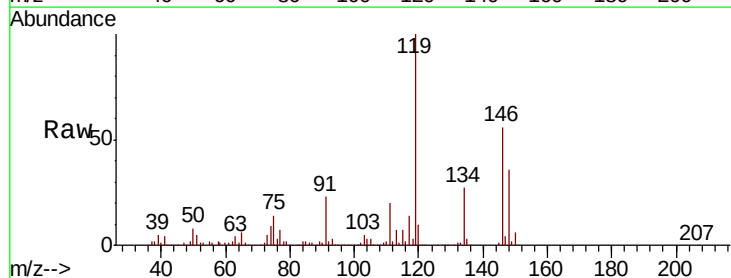
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

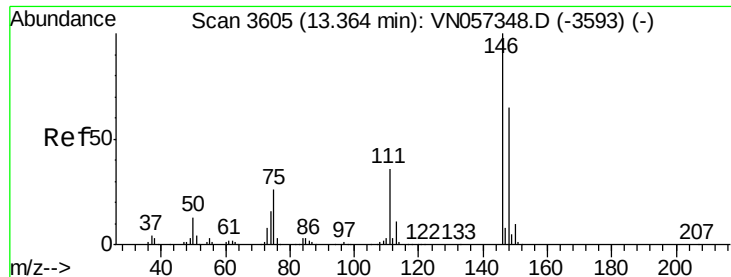
Tgt Ion:119 Resp: 657206
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.8
 91 22.4 0.0 45.4



#83
 1,3-Dichlorobenzene
 Concen: 18.967 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

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

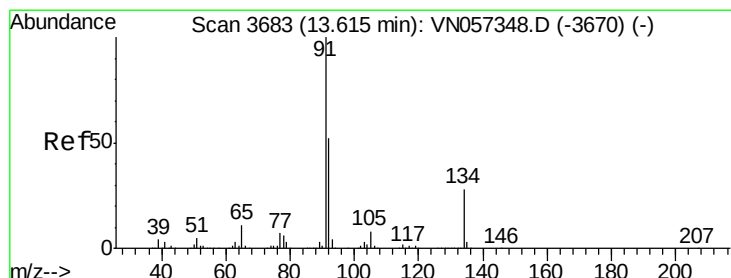
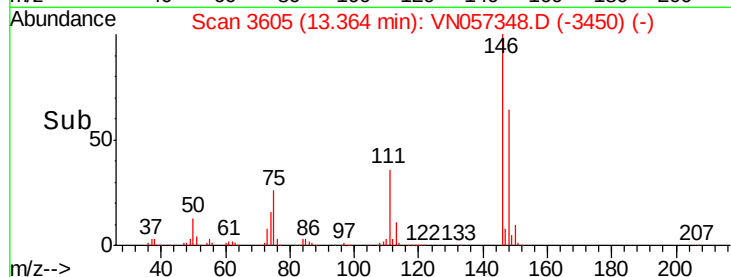
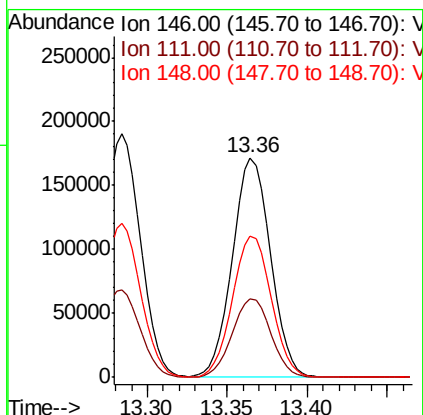
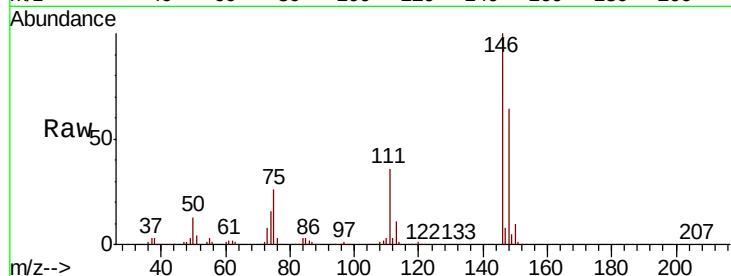




#84
 1,4-Dichlorobenzene
 Concen: 18.062 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

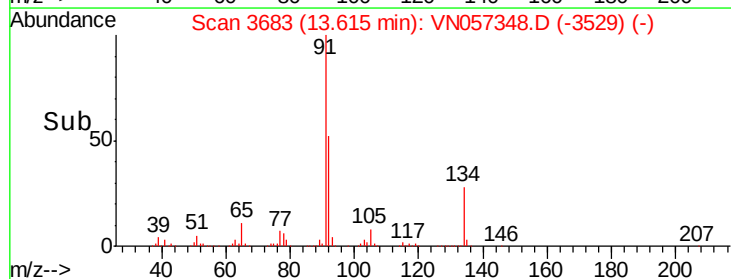
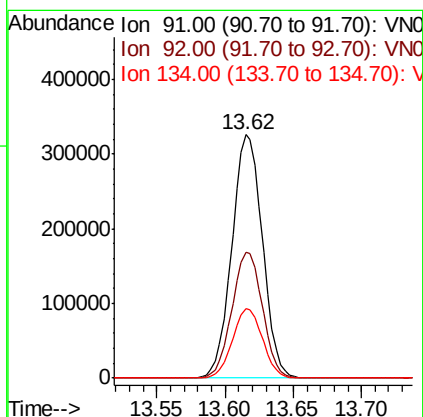
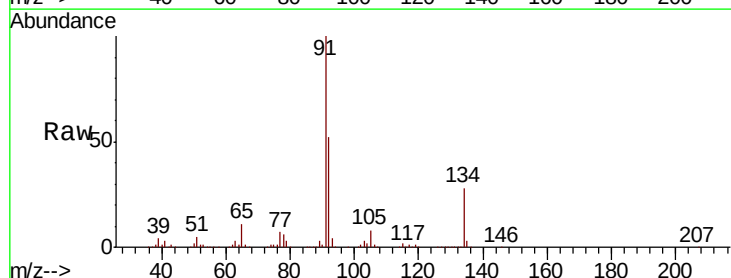
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

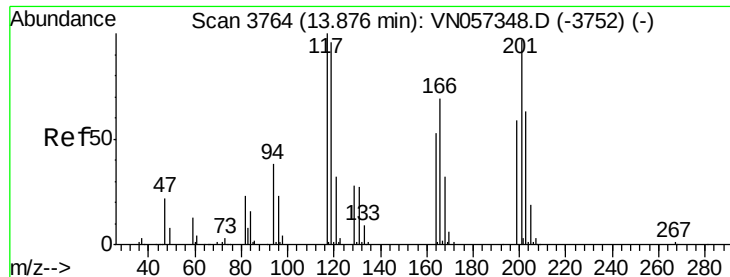
Tgt Ion: 146 Resp: 277831
 Ion Ratio Lower Upper
 146 100
 111 36.4 17.8 53.4
 148 65.6 31.9 95.5



#85
 n-Butylbenzene
 Concen: 19.630 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Tgt 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: 19.593 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

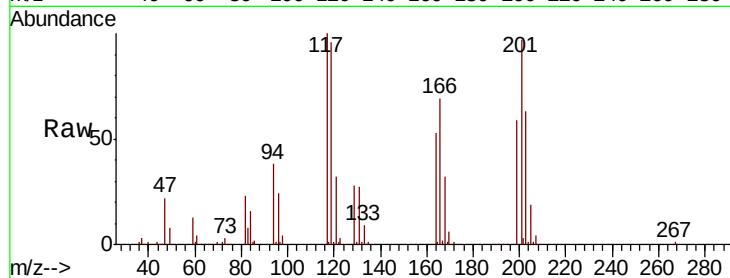
VSTDICCC020

Tgt Ion:117 Resp: 131035

Ion Ratio Lower Upper

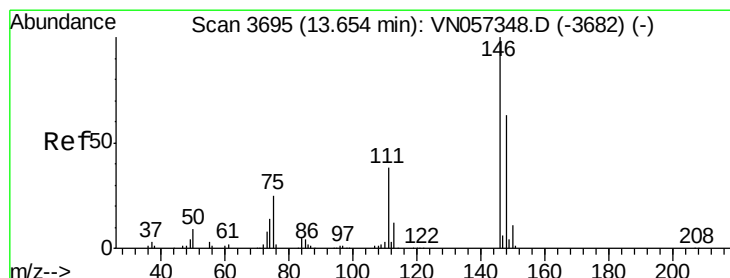
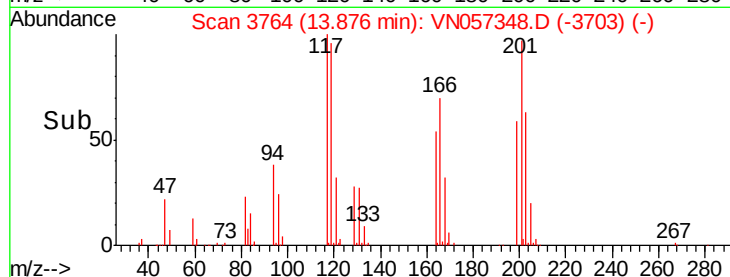
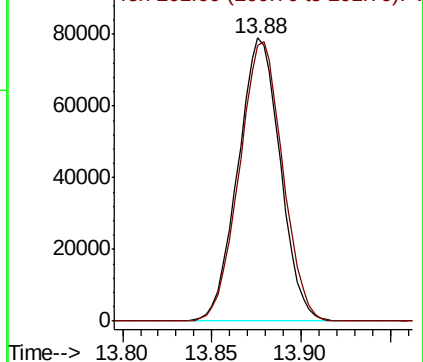
117 100

201 100.9 45.6 136.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 19.457 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

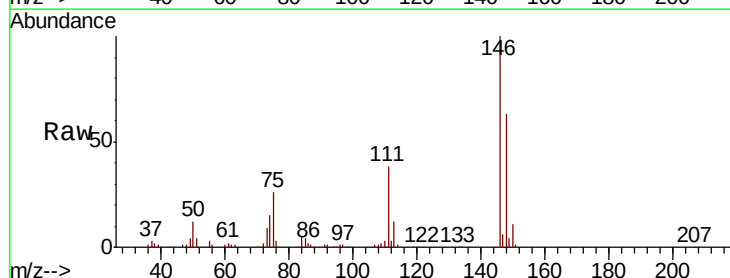
Tgt Ion:146 Resp: 302903

Ion Ratio Lower Upper

146 100

111 37.7 19.7 59.0

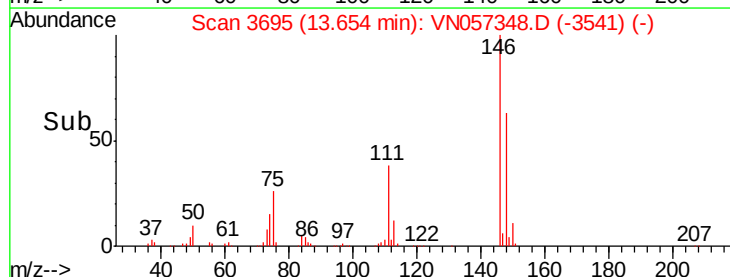
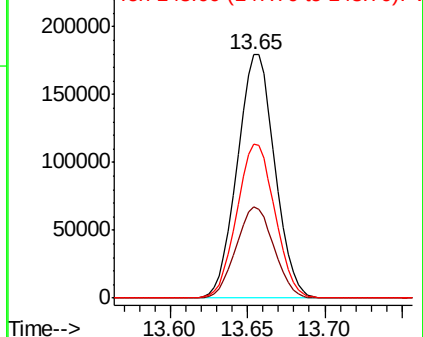
148 63.9 32.7 98.1

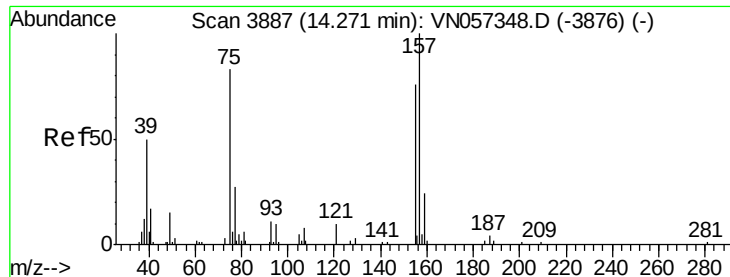


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 17.919 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

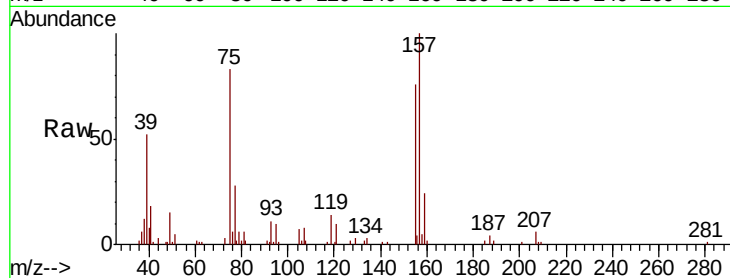
Tgt Ion: 75 Resp: 27931

Ion Ratio Lower Upper

75 100

155 97.0 78.6 117.8

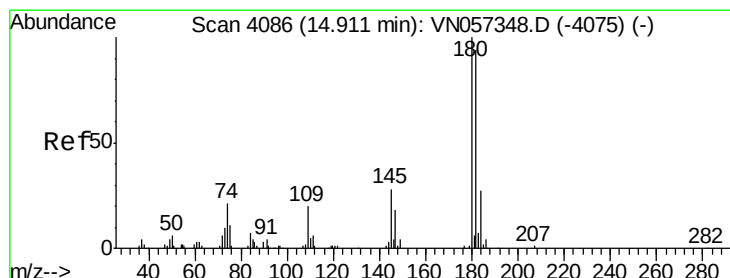
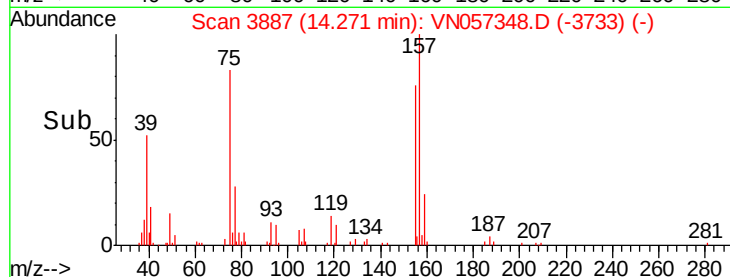
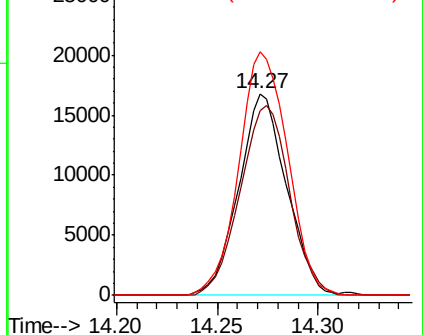
157 123.2 99.3 148.9



Abundance Ion 75.00 (74.70 to 75.70): VN057348.D (-3876) (-)

Ion 155.00 (154.70 to 155.70): VN057348.D (-3876) (-)

Ion 157.00 (156.70 to 157.70): VN057348.D (-3876) (-)



#89

1,2,4-Trichlorobenzene

Concen: 13.455 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

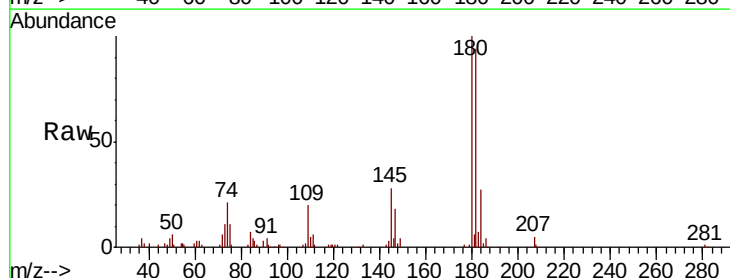
Tgt Ion: 180 Resp: 74115

Ion Ratio Lower Upper

180 100

182 91.8 78.2 117.4

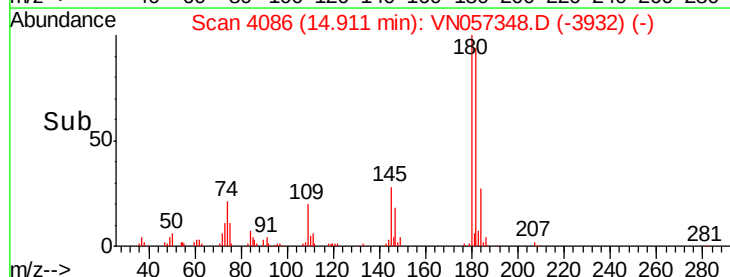
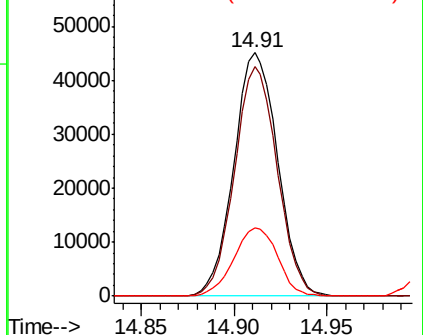
145 27.9 23.2 34.8

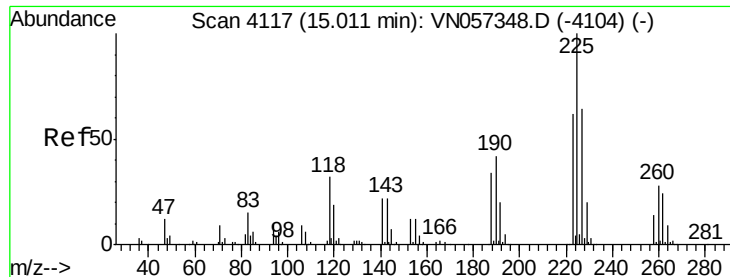


Abundance Ion 180.00 (179.70 to 180.70): VN057348.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN057348.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN057348.D (-4075) (-)





#90

Hexachlorobutadiene

Concen: 20.605 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

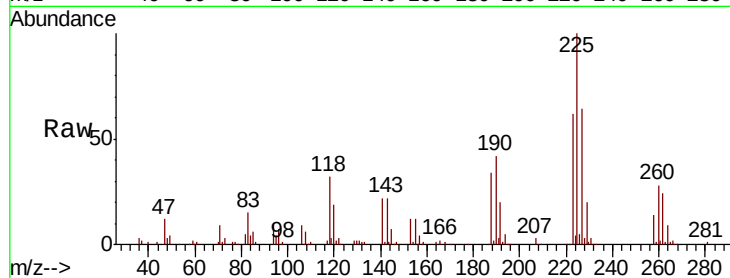
Tgt Ion:225 Resp: 144838

Ion Ratio Lower Upper

225 100

223 60.4 0.0 124.6

227 61.8 0.0 128.6

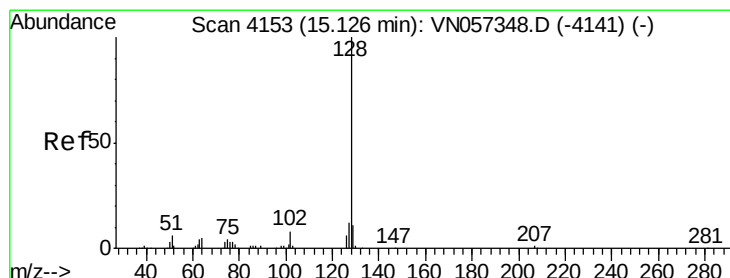
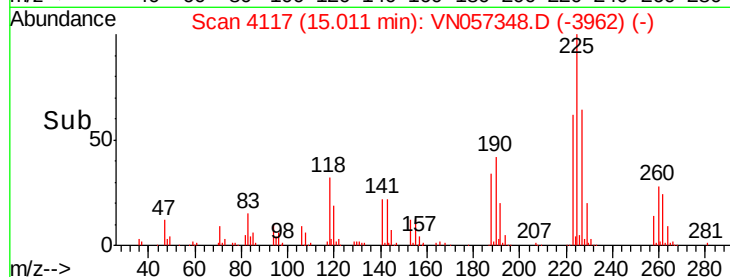
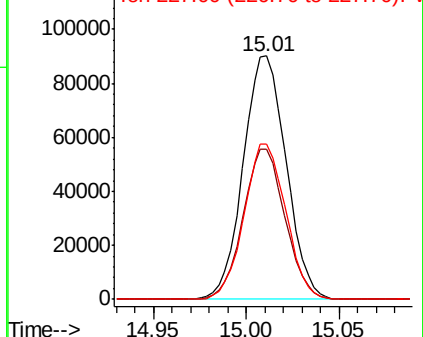


Abundance

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: 11.731 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057348.D

Acq: 16 Aug 2019 11:53

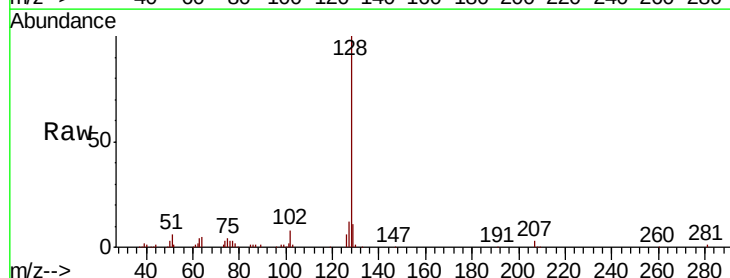
Tgt Ion:128 Resp: 139660

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

129 11.4 8.8 13.2

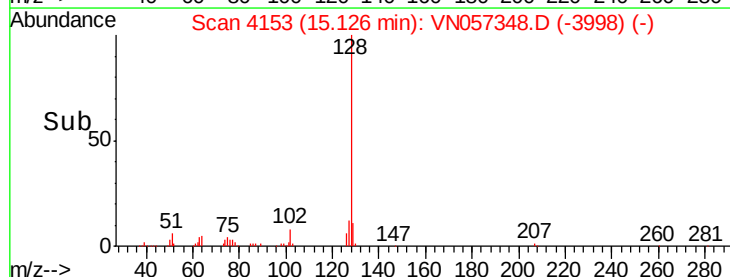
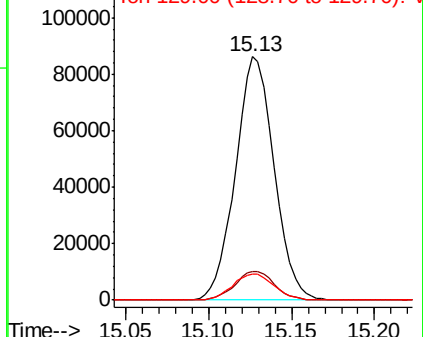


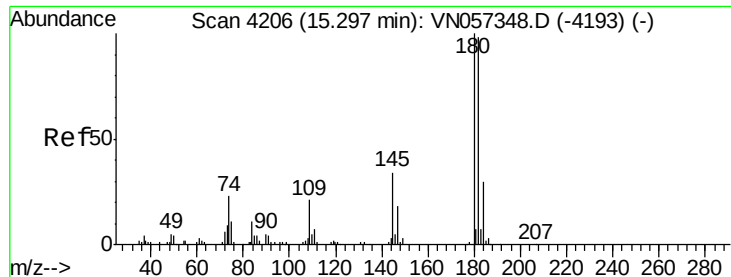
Abundance

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

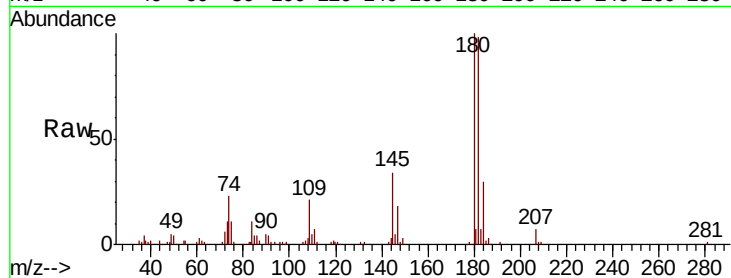




#92
 1,2,3-Trichlorobenzene
 Concen: 13.220 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057348.D
 Acq: 16 Aug 2019 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

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

