

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057349.D
 Acq On : 16 Aug 2019 12:17
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Aug 16 15:44:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 15:35:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	144674	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	787003	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	708785	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	278521	29.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.80%
60) 4-Bromofluorobenzene	12.40	95	318499	30.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.73%
63) Toluene-d8	10.09	98	955959	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	380965	50.978	ug/l 100
3) Chloromethane	2.06	50	437474	50.762	ug/l 99
4) Vinyl Chloride	2.18	62	412292	50.004	ug/l 99
5) Bromomethane	2.53	94	316629m	49.363	ug/l
6) Chloroethane	2.69	64	282608	50.037	ug/l 100
7) Trichlorofluoromethane	3.01	101	654022	49.494	ug/l 99
8) Diethyl Ether	3.40	74	240638	49.482	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	385601	49.004	ug/l 96
10) 1,1-Dichloroethene	3.73	96	390631	50.057	ug/l 91
11) Methyl Iodide	3.95	142	662868	50.372	ug/l 99
12) Methyl Acetate	4.31	43	406850	46.372	ug/l 100
13) Acrolein	3.60	56	197925	238.562	ug/l 99
14) Acrylonitrile	4.97	53	875651	246.378	ug/l 99
15) Acetone	3.81	58	250513	239.198	ug/l 98
16) Carbon Disulfide	4.05	76	1053540	49.389	ug/l 100
17) Allyl chloride	4.32	41	541438	47.502	ug/l 97
18) Methylene Chloride	4.54	84	439257	49.179	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	412386	48.800	ug/l 97
20) Diisopropyl ether	5.93	45	1164937	49.081	ug/l 96
21) 1,1-Dichloroethane	5.84	63	720168	49.106	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	481228	49.142	ug/l 98
23) tert-Butyl Alcohol	4.76	59	310066	244.806	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	1178342	49.204	ug/l 99
25) Chloroform	7.36	83	747818	48.787	ug/l 99
26) Cyclohexane	7.65	56	597128	48.983	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	567692	49.588	ug/l 99
30) 2-Butanone	6.82	43	1109049	245.541	ug/l 96
31) 2,2-Dichloropropane	6.81	77	622631	49.648	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	670456	49.539	ug/l 97
33) Carbon Tetrachloride	7.77	117	603418	50.072	ug/l 98
34) Benzene	8.03	78	1703763	49.057	ug/l # 94
35) Methacrylonitrile	7.18	41	314421m	50.953	ug/l
36) 1,2-Dichloroethane	8.12	62	558460	49.478	ug/l 99
37) Trichloroethene	8.83	130	495788	49.042	ug/l 95
38) Methylcyclohexane	9.08	83	670358	49.444	ug/l 97
39) 1,2-Dichloropropane	9.11	63	444542	50.080	ug/l 98
40) Dibromomethane	9.20	93	289218	48.977	ug/l 93

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	593368	49.590	ug/l	99
42) Vinyl Acetate	5.88	43	4729332	248.844	ug/l	97
43) Ethyl Acetate	6.91	43	453088	48.892	ug/l	98
44) Isopropyl Acetate	8.16	43	810958m	49.788	ug/l	
45) 1,4-Dioxane	9.19	88	152789	993.931	ug/l	96
46) Methyl methacrylate	9.19	41	369015	50.464	ug/l	92
47) n-amyl Acetate	12.07	43	599479	49.752	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	643129	49.681	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	719222	49.902	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	424122	49.213	ug/l	98
51) Ethyl methacrylate	10.43	69	627997	50.267	ug/l	94
52) 1,3-Dichloropropane	10.71	76	695736	49.431	ug/l	99
53) Dibromochloromethane	10.90	129	496189	50.044	ug/l	99
54) 1,2-Dibromoethane	11.00	107	450870	49.675	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	716970	246.537	ug/l	97
56) Bromoform	12.13	173	374161	49.975	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	2252332	243.938	ug/l	96
59) 2-Hexanone	10.75	43	1610272	243.153	ug/l	96
61) Tetrachloroethene	10.63	164	504253	48.539	ug/l	98
62) Toluene	10.15	91	1909394	48.841	ug/l	99
64) Chlorobenzene	11.43	112	1211427	49.328	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	468202	49.046	ug/l	98
66) Ethyl Benzene	11.51	91	2106092	49.310	ug/l	99
67) m/p-Xylenes	11.62	106	1585613	99.189	ug/l	99
68) o-Xylene	11.95	106	766831	49.069	ug/l	97
69) Styrene	11.96	104	1258429	50.123	ug/l	99
70) Isopropylbenzene	12.25	105	2075534	49.539	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	560443	48.832	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	470057m	48.533	ug/l	
73) Bromobenzene	12.53	156	553310	49.837	ug/l	91
74) n-propylbenzene	12.59	91	2176085	50.003	ug/l	98
75) 2-Chlorotoluene	12.67	91	1349312	49.963	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1732727	49.725	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	185968	50.039	ug/l	88
78) 4-Chlorotoluene	12.77	91	1245440	49.289	ug/l	98
79) tert-butylbenzene	12.99	119	1515762	48.814	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1642305	49.966	ug/l	99
81) sec-Butylbenzene	13.17	105	1884816	49.242	ug/l	99
82) p-Isopropyltoluene	13.29	119	1673754	48.810	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	803283	49.393	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	748374	49.298	ug/l	100
85) n-Butylbenzene	13.62	91	1289648	50.578	ug/l	98
86) Hexachloroethane	13.88	117	323608	49.031	ug/l	90
87) 1,2-Dichlorobenzene	13.66	146	756682	49.250	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	73715	47.920	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	261720	48.145	ug/l	98
90) Hexachlorobutadiene	15.01	225	332413	47.917	ug/l	99
91) Naphthalene	15.13	128	521214	44.361	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	244187	47.376	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 16 15:35:40 2019
Response via : Initial Calibration

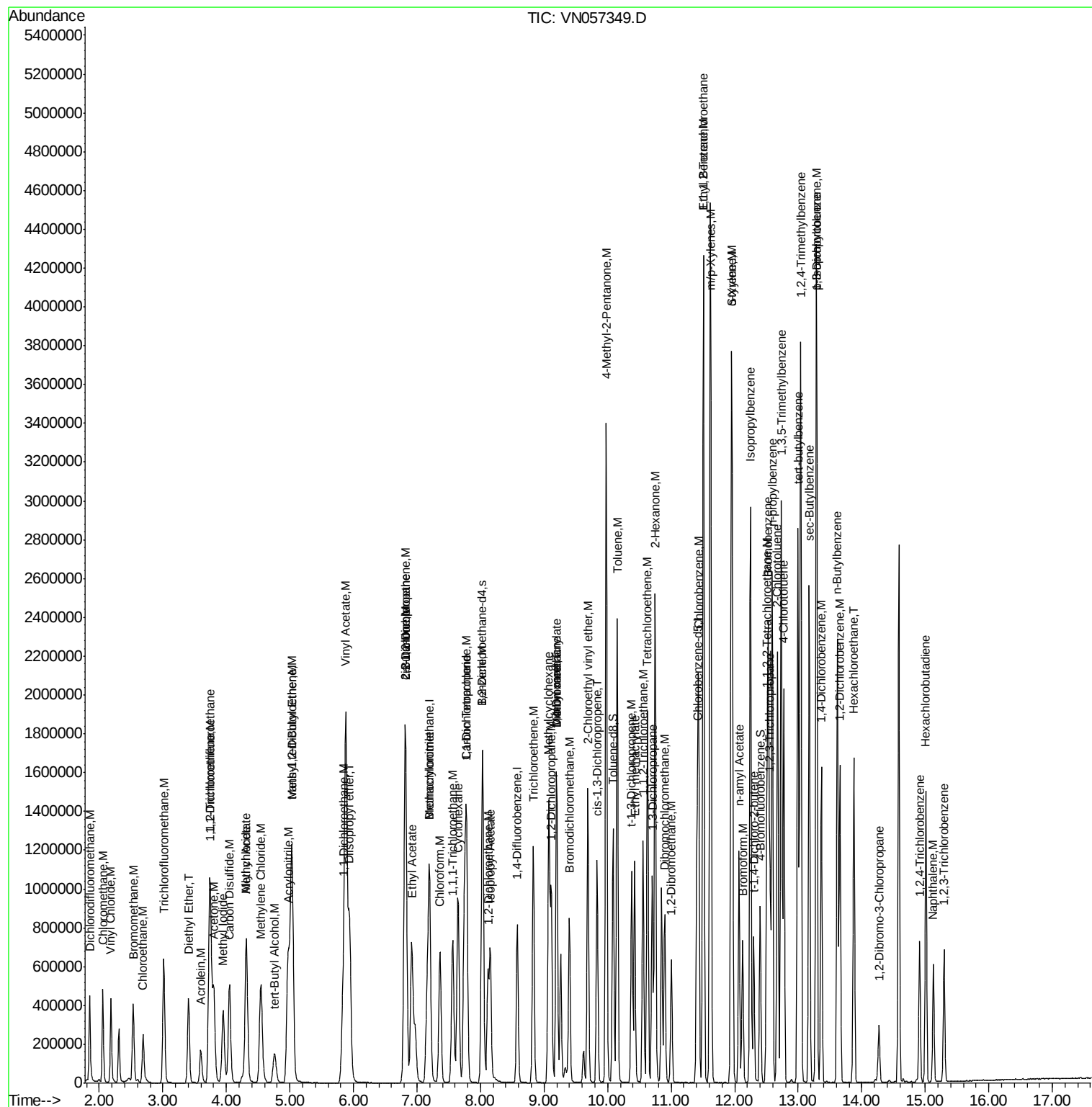
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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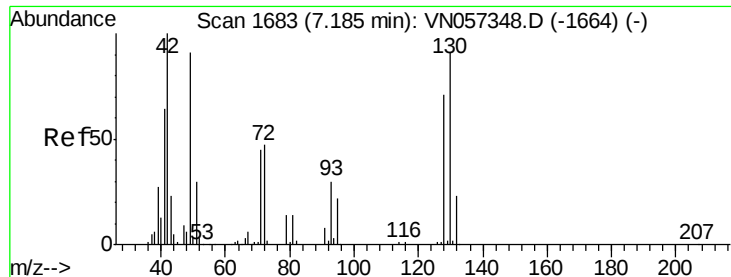
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081719\
Data File : VN057349.D
Acq On : 16 Aug 2019 12:17
Operator : JC/SP
Sample : VSTDICC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Aug 16 15:44:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

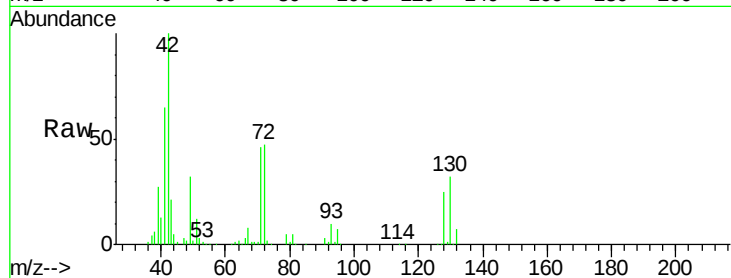
Tot Ion:128 Resp: 144674

Ion Ratio Lower Upper

128 100

49 135.3 0.0 390.5

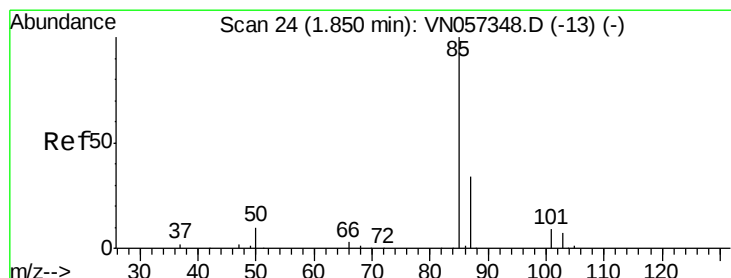
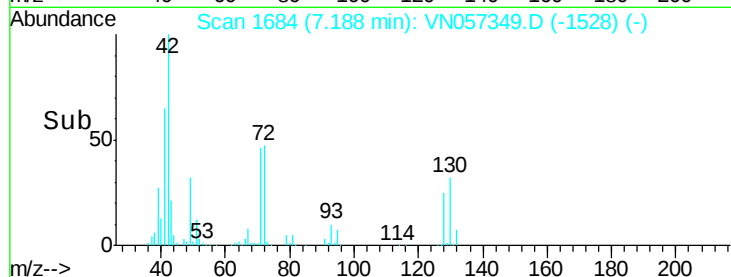
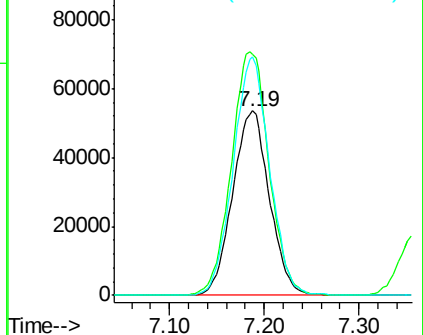
130 127.6 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 50.978 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN057349.D

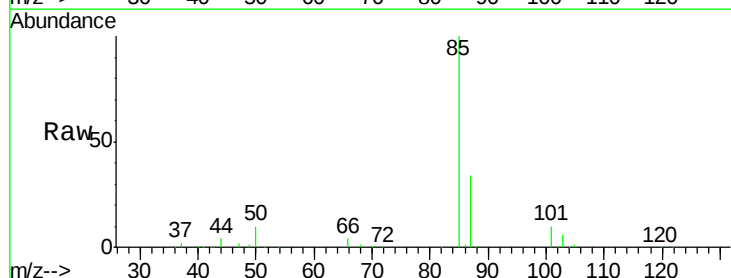
Acq: 16 Aug 2019 12:17

Tgt Ion: 85 Resp: 380965

Ion Ratio Lower Upper

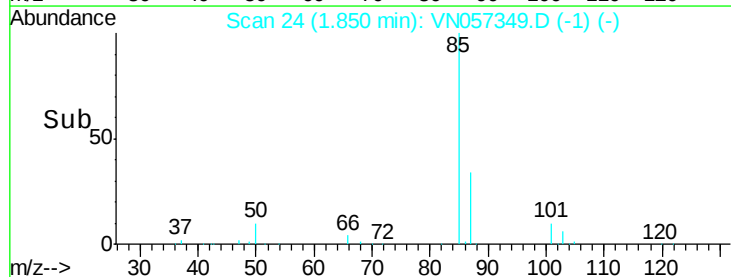
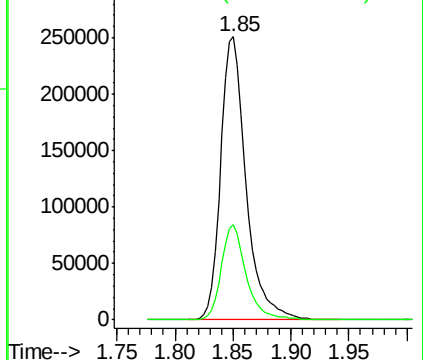
85 100

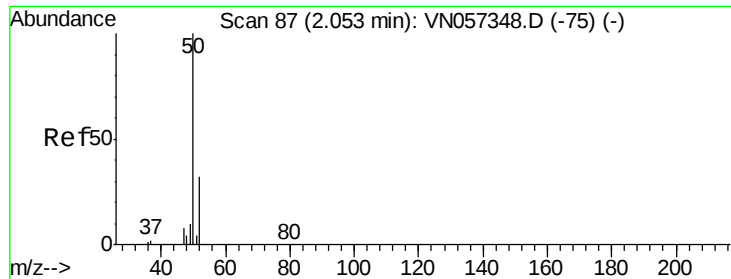
87 33.7 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 50.762 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

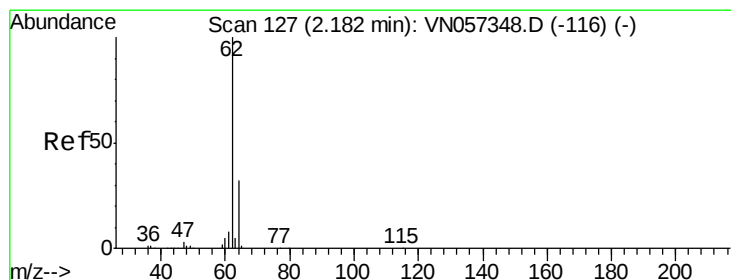
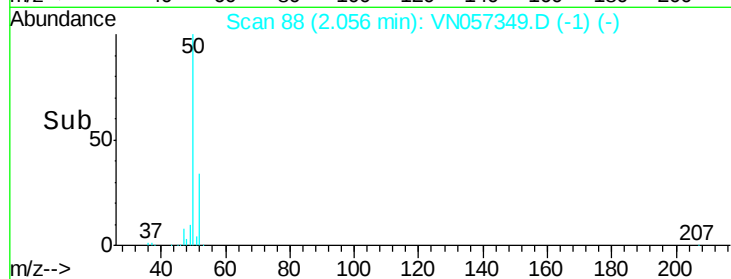
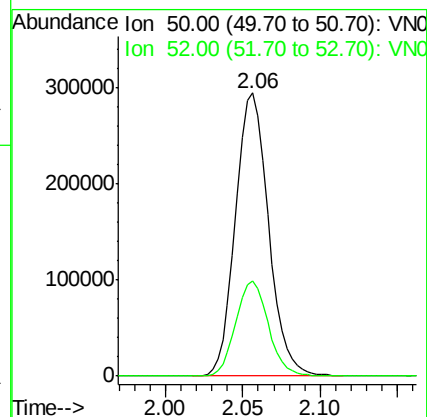
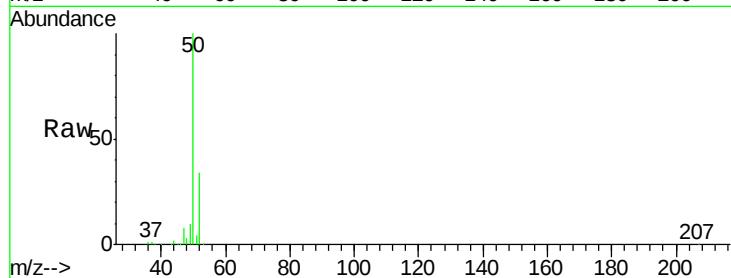
VSTDIC050

Tot Ion: 50 Resp: 437474

Ion Ratio Lower Upper

50 100

52 33.6 26.5 39.7



#4

Vinyl Chloride

Concen: 50.004 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057349.D

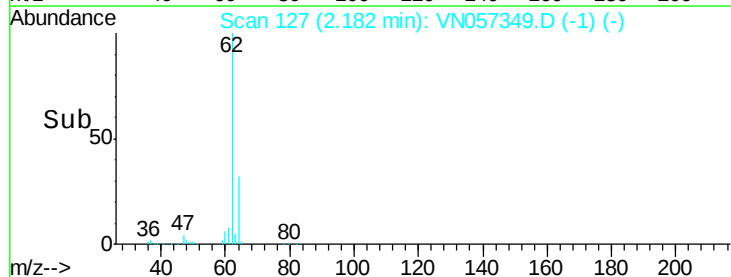
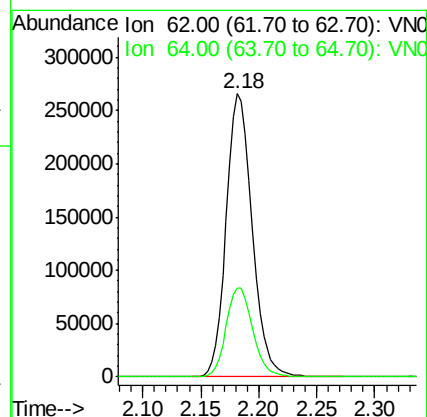
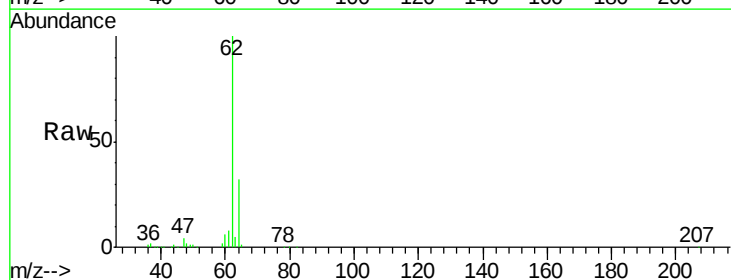
Acq: 16 Aug 2019 12:17

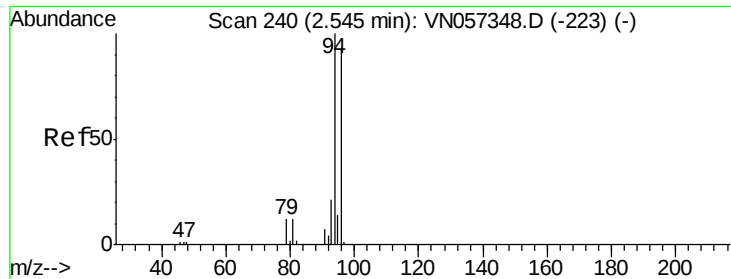
Tgt Ion: 62 Resp: 412292

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.4





#5

Bromomethane

Concen: 49.363 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

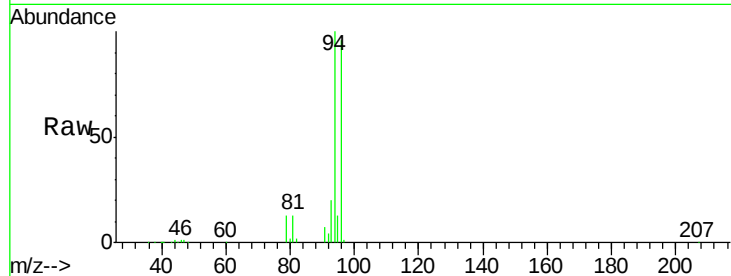
VSTDIC050

Tot Ion: 94 Resp: 316629

Ion Ratio Lower Upper

94 100

96 96.1 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.53

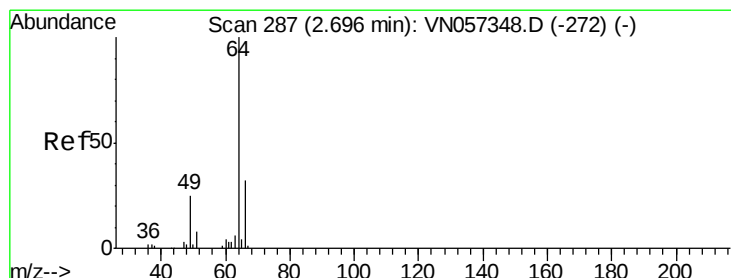
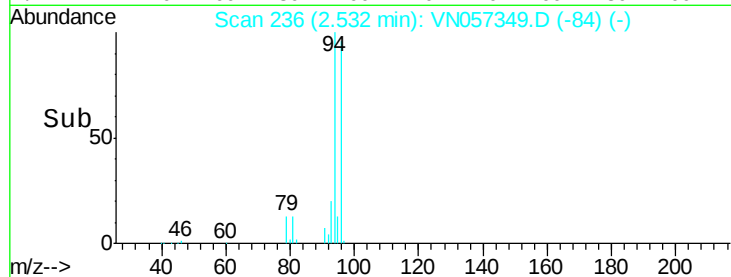
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 50.037 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN057349.D

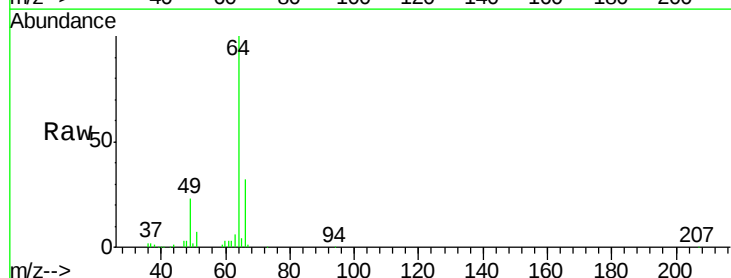
Acq: 16 Aug 2019 12:17

Tgt Ion: 64 Resp: 282608

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

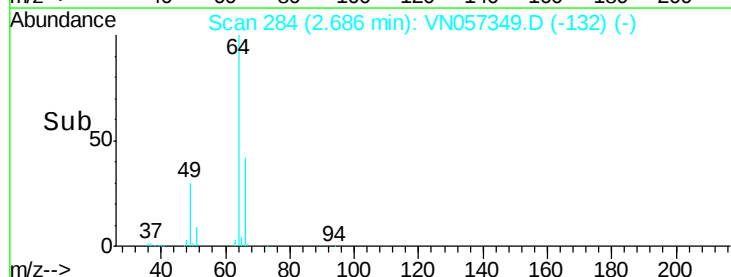
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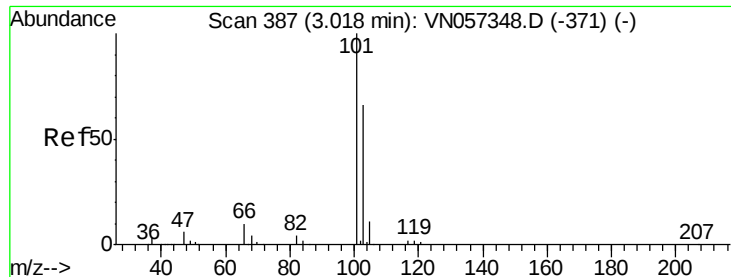
100000

50000

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Time-->



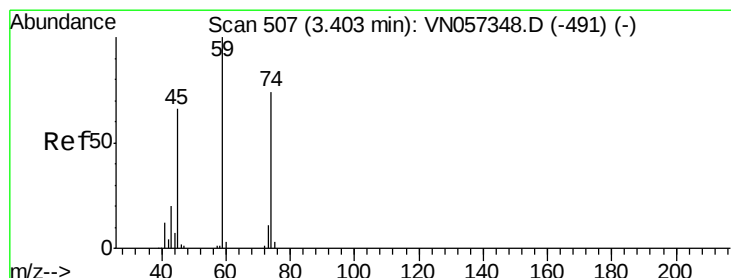
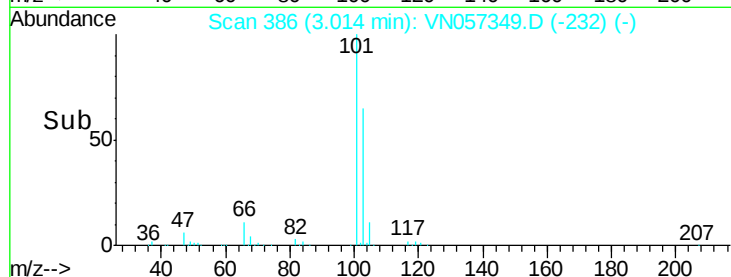
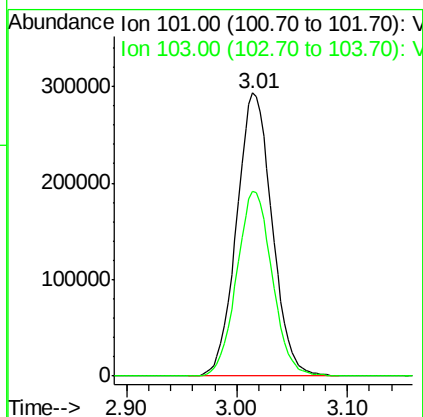
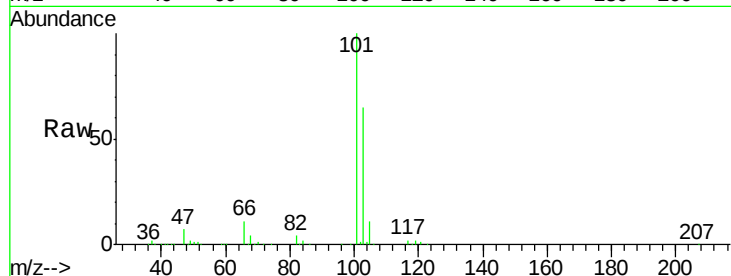


#7

Trichlorofluoromethane
 Concen: 49.494 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

Instrument :
 MSVOA_N
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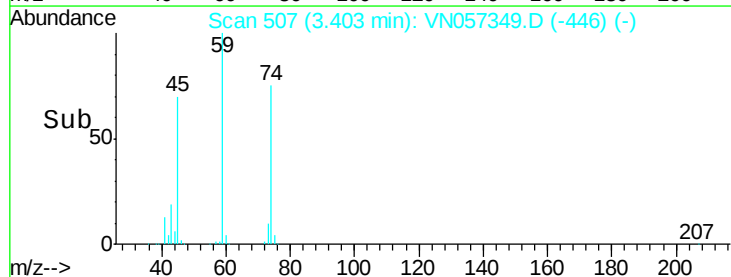
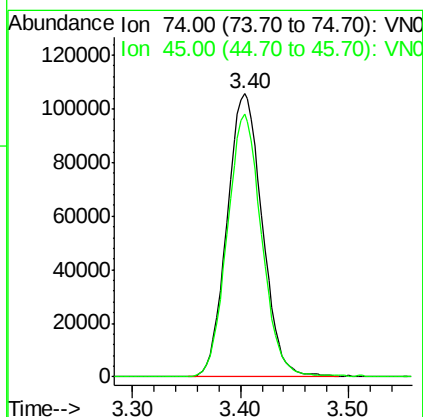
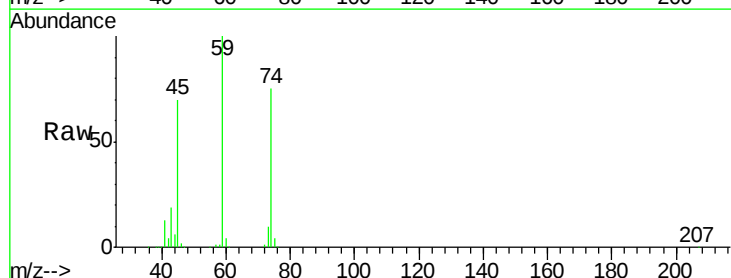
Tot Ion:101 Resp: 654022
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.8 79.2

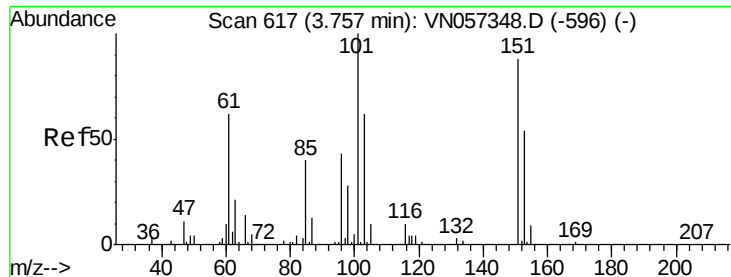


#8

Diethyl Ether
 Concen: 49.482 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

Tgt Ion: 74 Resp: 240638
 Ion Ratio Lower Upper
 74 100
 45 89.9 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.004 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

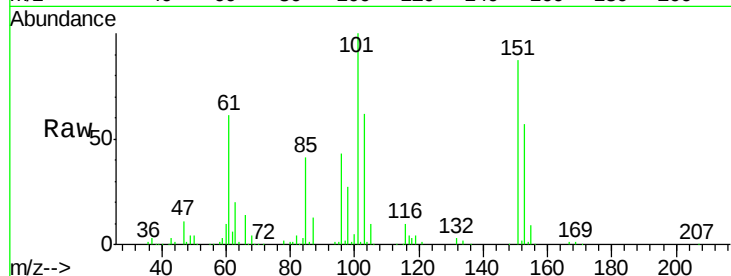
Tot Ion:101 Resp: 385601

Ion Ratio Lower Upper

101 100

85 41.7 0.0 84.2

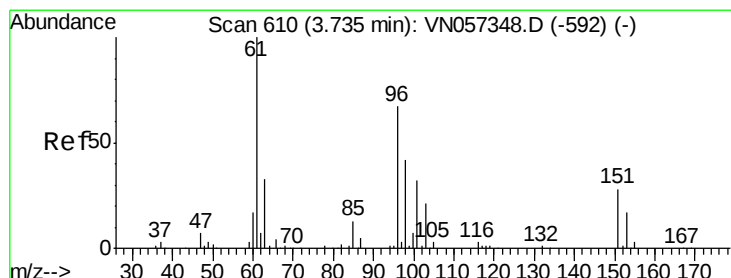
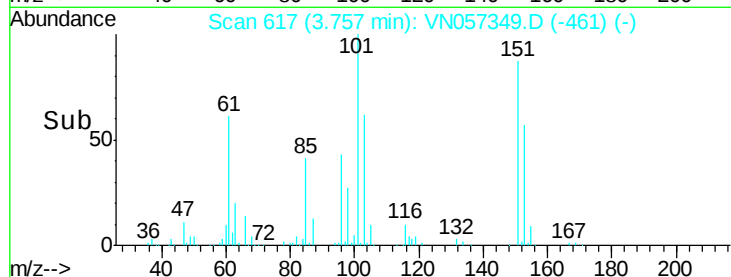
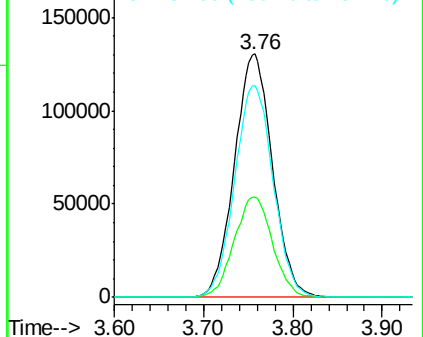
151 88.4 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 50.057 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

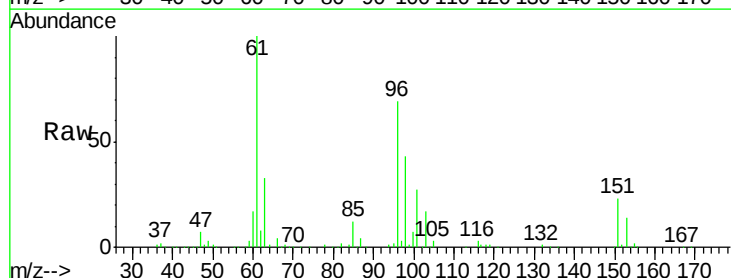
Tgt Ion: 96 Resp: 390631

Ion Ratio Lower Upper

96 100

61 145.6 129.0 193.4

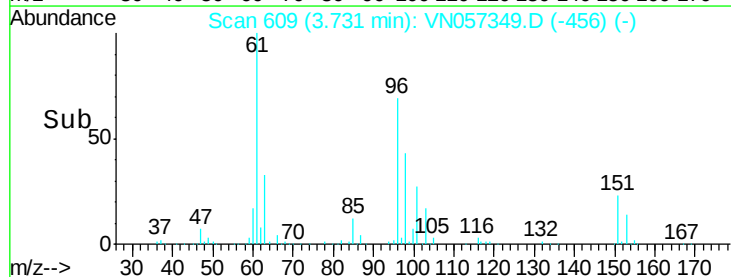
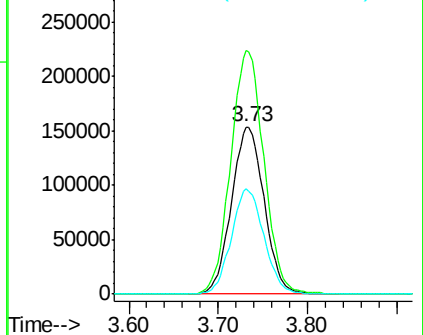
98 63.1 52.5 78.7

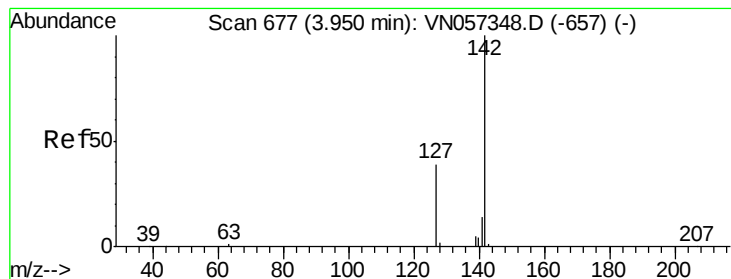


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 98.00 (97.70 to 98.70): V





#11

Methvl Iodide

Concen: 50.372 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

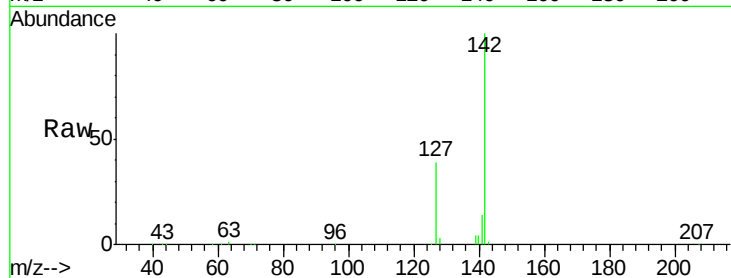
Tot Ion:142 Resp: 662868

Ion Ratio Lower Upper

142 100

127 38.9 19.5 58.5

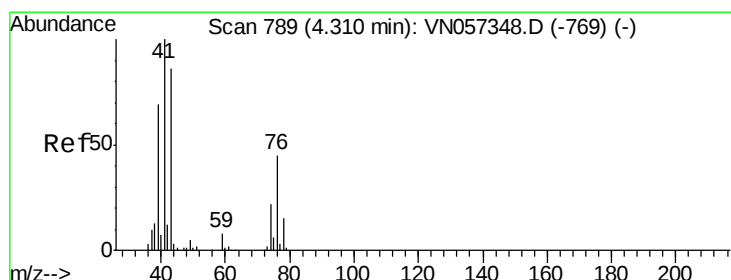
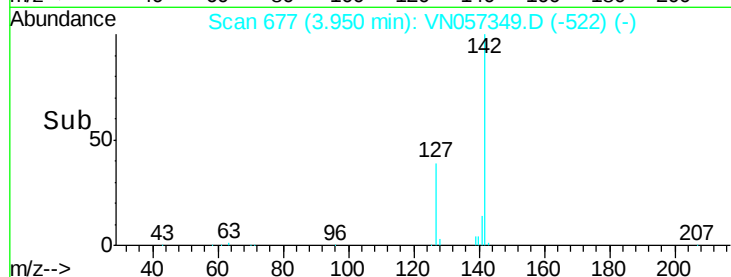
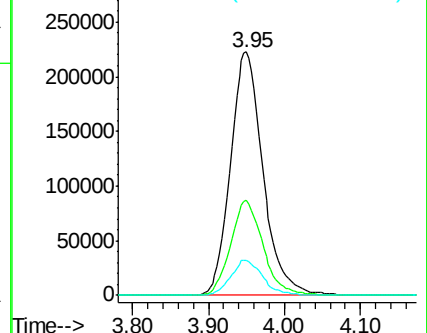
141 14.3 6.8 20.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 46.372 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN057349.D

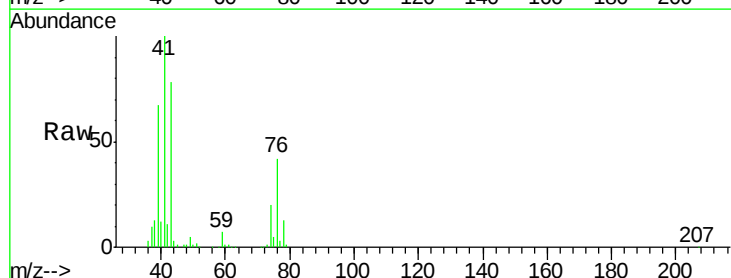
Acq: 16 Aug 2019 12:17

Tgt Ion: 43 Resp: 406850

Ion Ratio Lower Upper

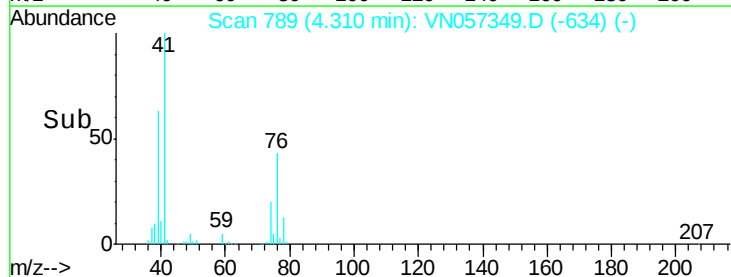
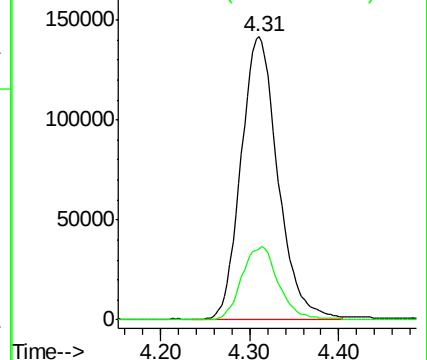
43 100

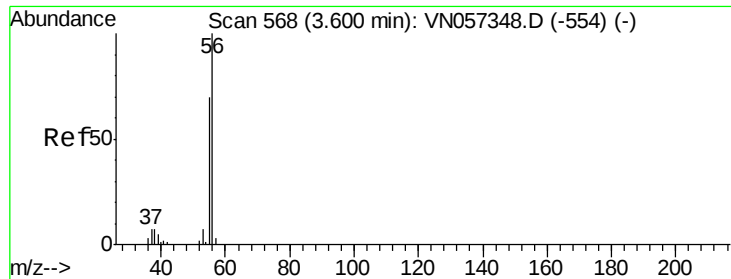
74 25.2 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 238.562 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

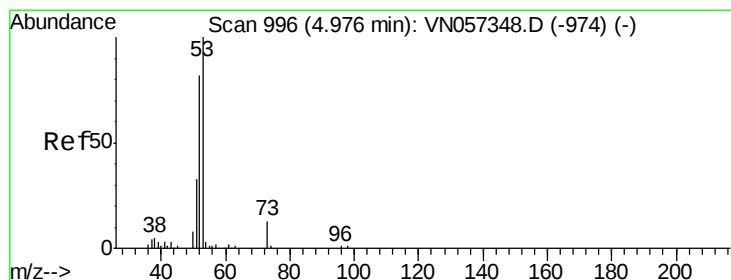
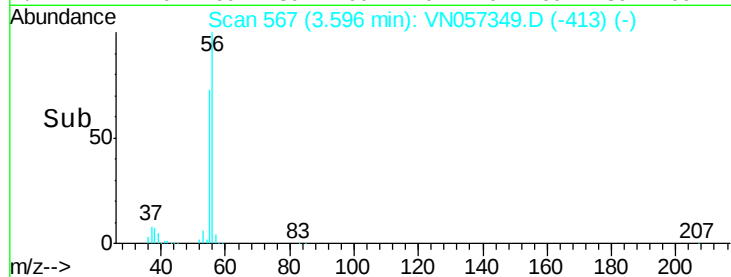
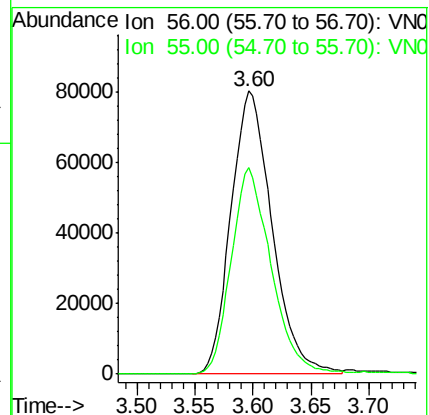
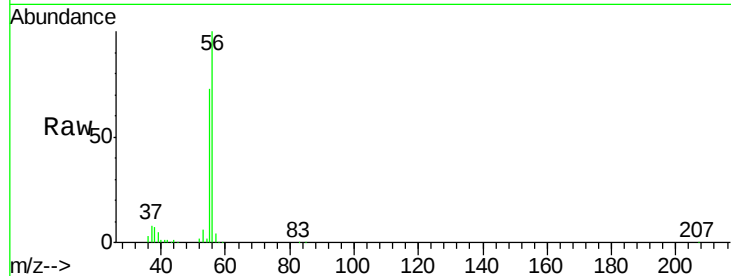
VSTDIC050

Tot Ion: 56 Resp: 197925

Ion Ratio Lower Upper

56 100

55 70.5 56.9 85.3



#14

Acrylonitrile

Concen: 246.378 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

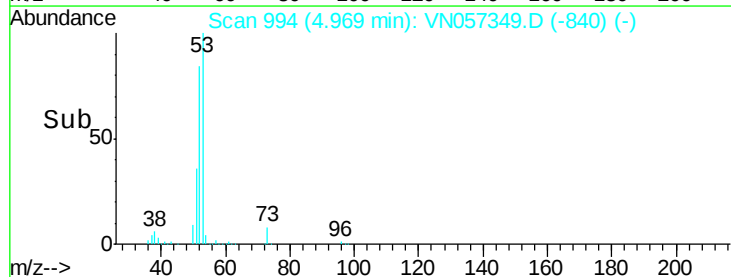
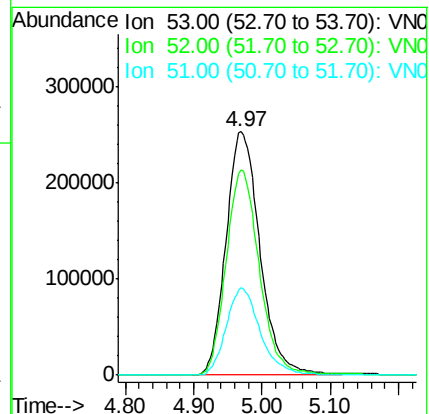
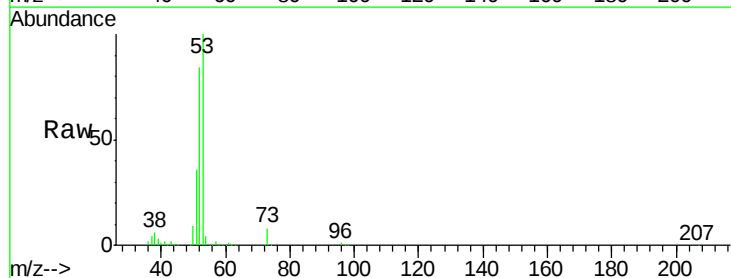
Tgt Ion: 53 Resp: 875651

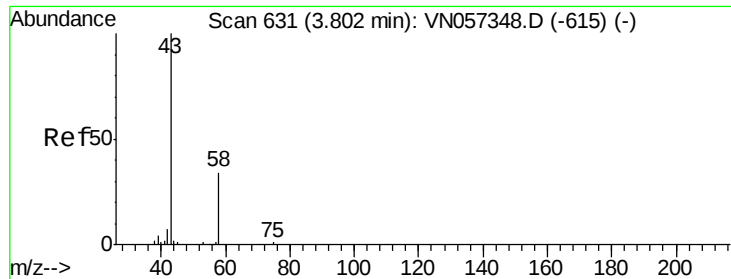
Ion Ratio Lower Upper

53 100

52 82.1 41.3 123.7

51 35.9 17.7 53.1





#15

Acetone

Concen: 239.198 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

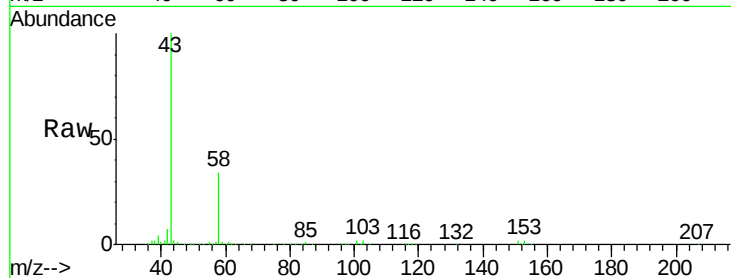
VSTDIC050

Tot Ion: 58 Resp: 250513

Ion Ratio Lower Upper

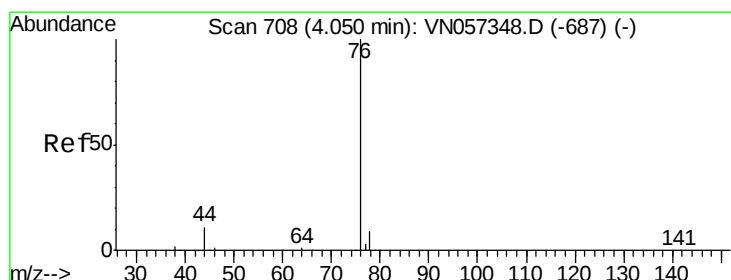
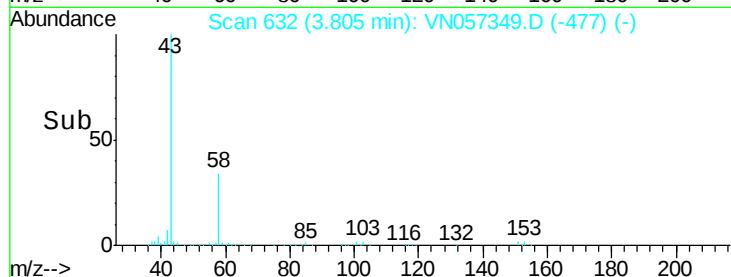
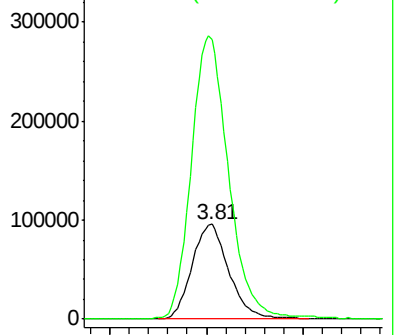
58 100

43 295.4 233.9 350.9



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 49.389 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057349.D

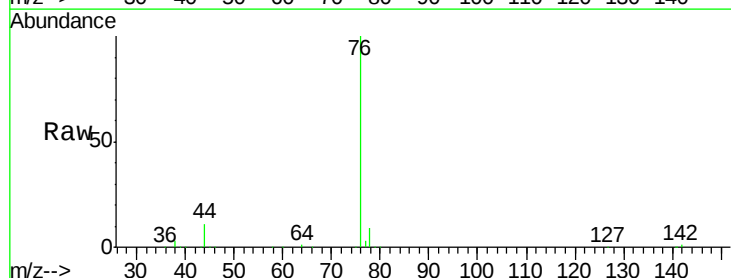
Acq: 16 Aug 2019 12:17

Tgt Ion: 76 Resp: 1053540

Ion Ratio Lower Upper

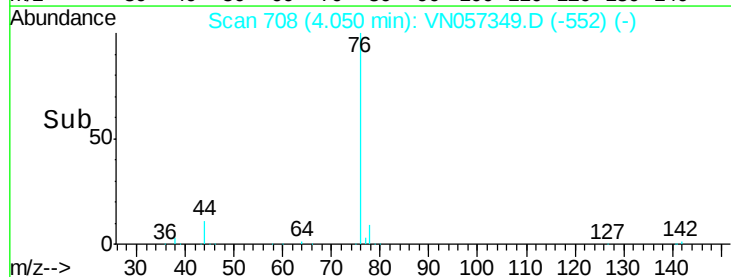
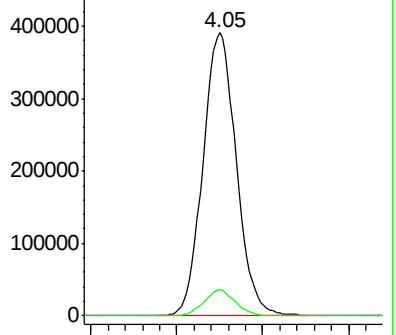
76 100

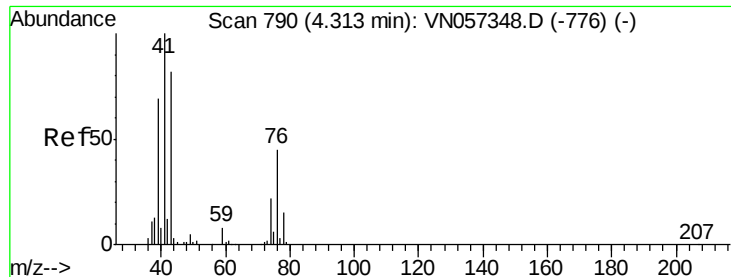
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 47.502 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

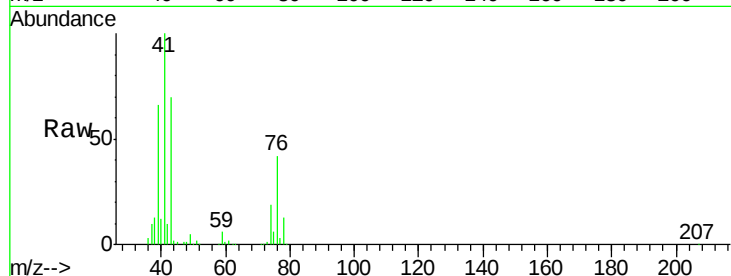
Tot Ion: 41 Resp: 541438

Ion Ratio Lower Upper

41 100

39 65.6 32.8 98.4

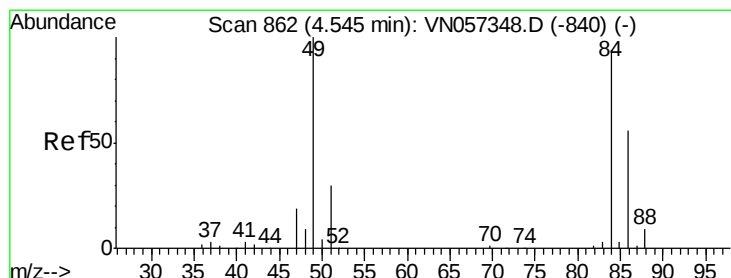
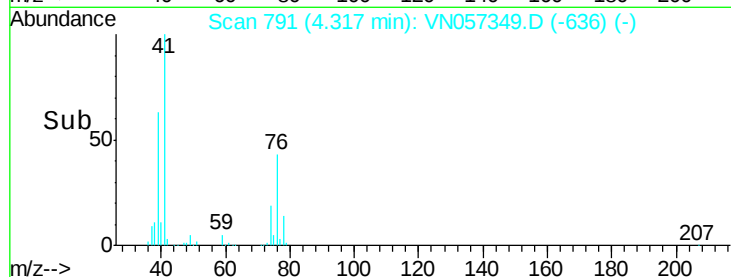
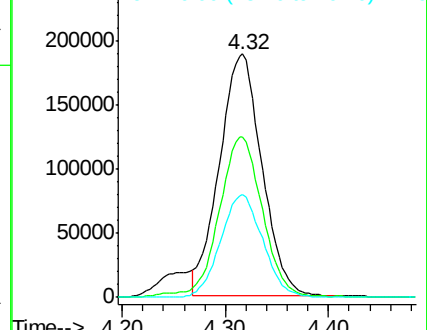
76 42.2 18.5 55.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 49.179 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Tgt Ion: 84 Resp: 439257

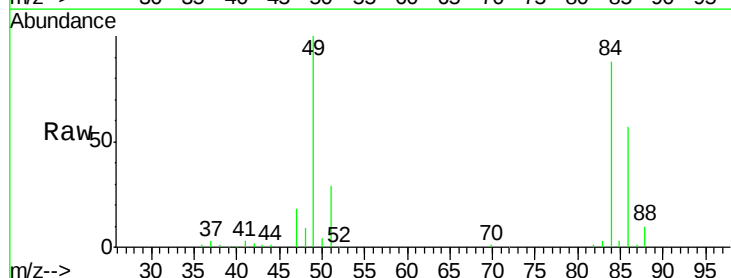
Ion Ratio Lower Upper

84 100

49 113.9 93.9 140.9

51 33.5 31.7 47.5

86 65.3 51.4 77.2

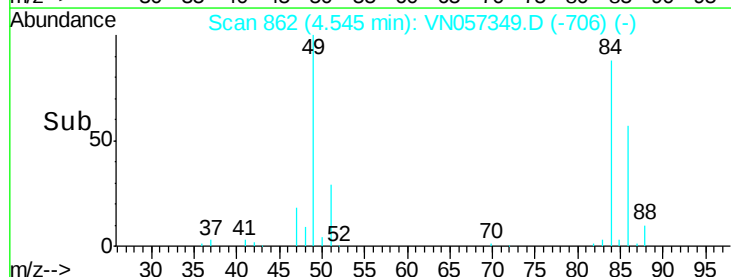
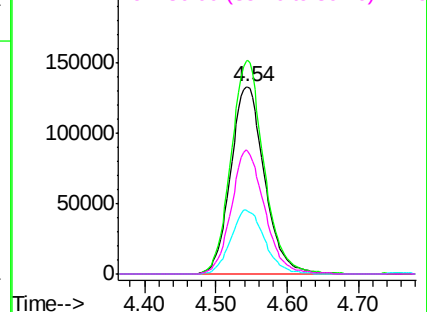


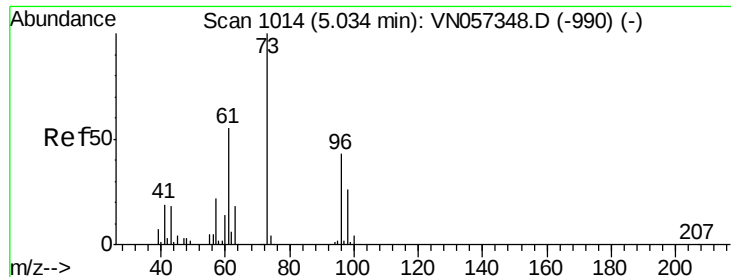
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

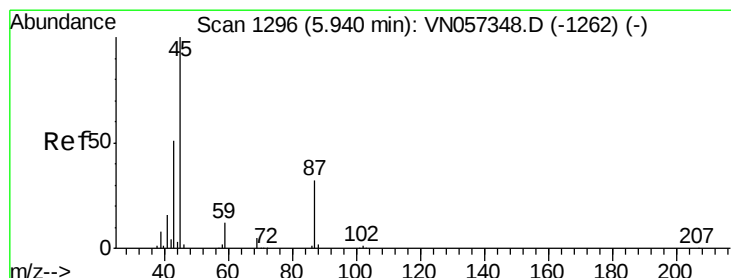
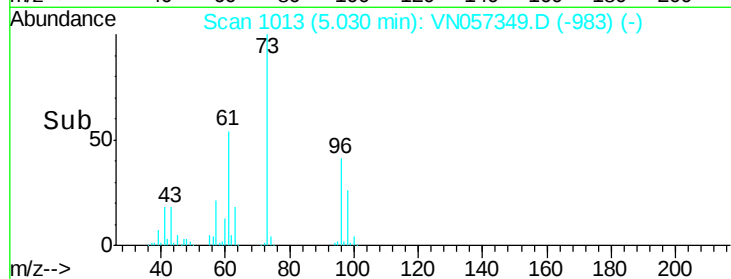
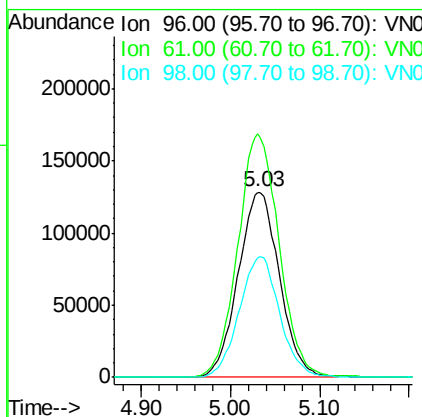
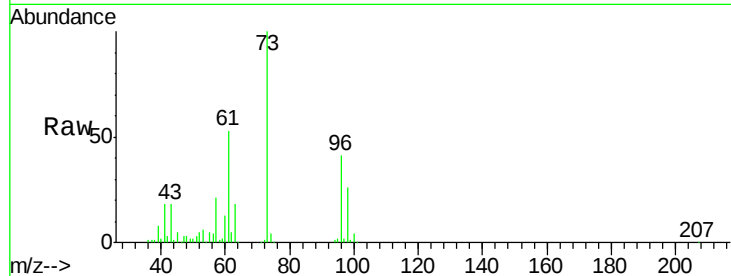




#19
trans-1,2-Dichloroethene
Concen: 48.800 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

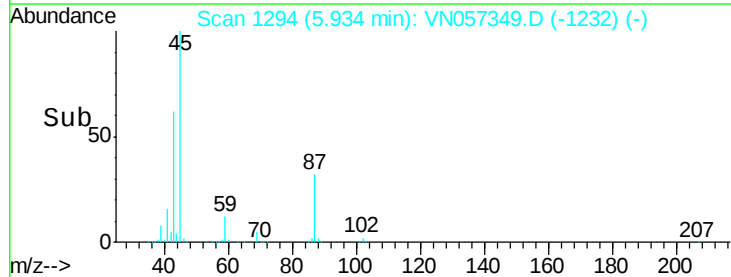
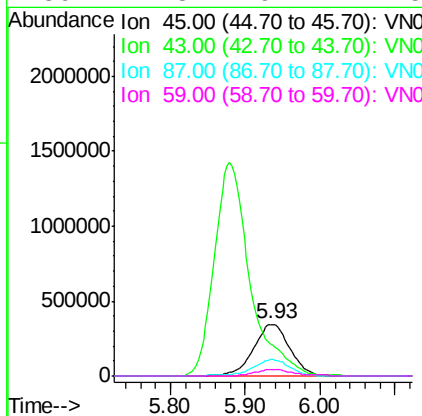
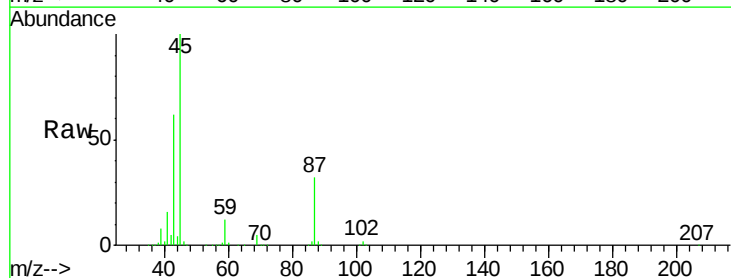
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

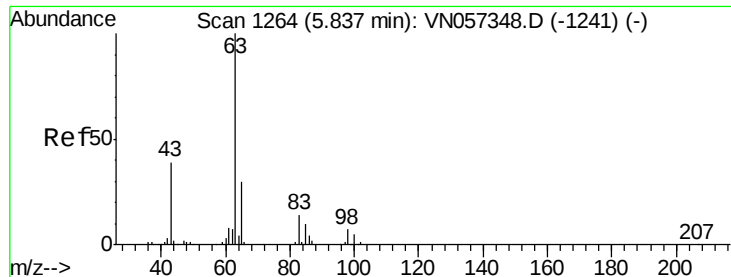
Tot Ion: 96 Resp: 412386
Ion Ratio Lower Upper
96 100
61 131.4 109.6 164.4
98 64.3 51.4 77.2



#20
Diisopropyl ether
Concen: 49.081 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

Tgt Ion: 45 Resp: 1164937
Ion Ratio Lower Upper
45 100
43 60.5 50.3 75.5
87 31.5 21.4 32.0
59 11.8 9.7 14.5

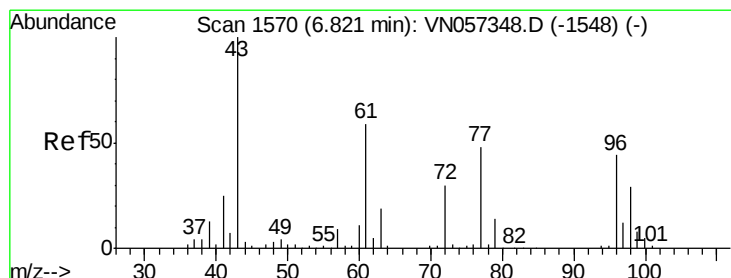
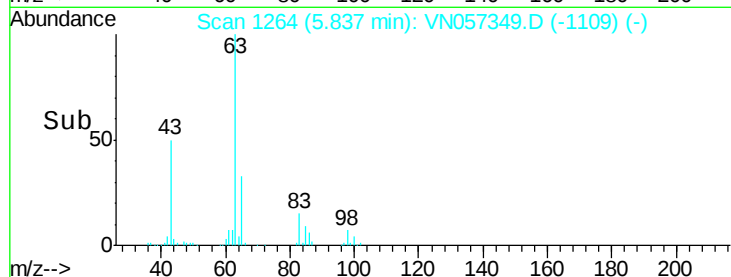
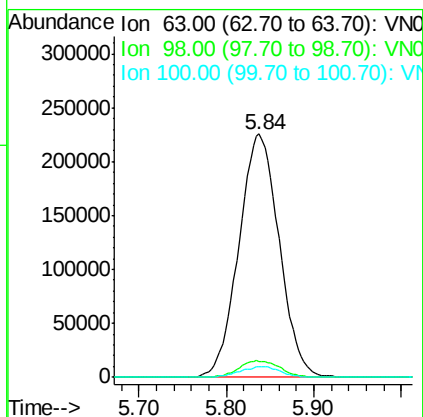
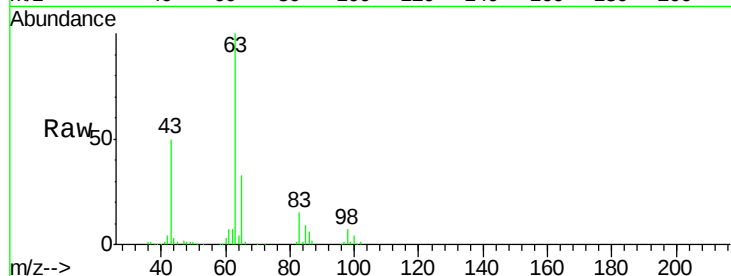




#21
 1,1-Dichloroethane
 Concen: 49.106 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

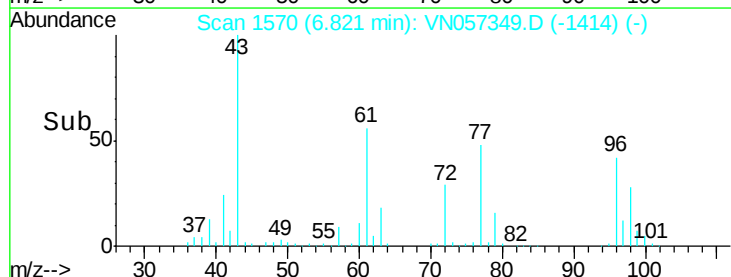
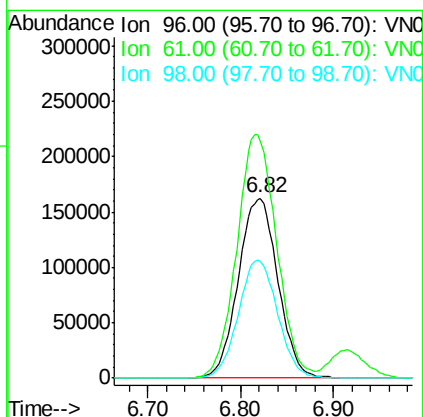
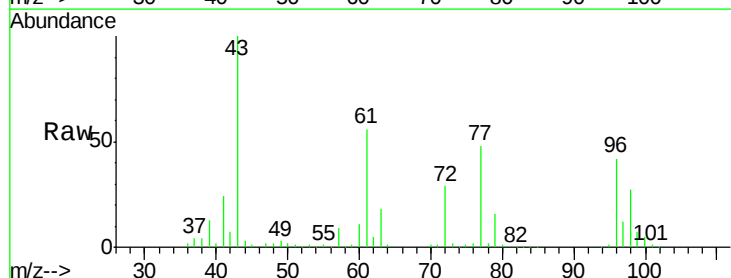
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

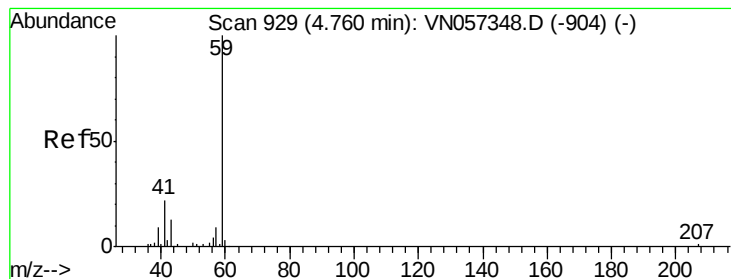
Tot Ion: 63 Resp: 720168
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.4 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 49.142 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

Tgt Ion: 96 Resp: 481228
 Ion Ratio Lower Upper
 96 100
 61 136.1 112.1 168.1
 98 65.2 52.2 78.2





#23

tert-Butyl Alcohol

Concen: 244.806 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

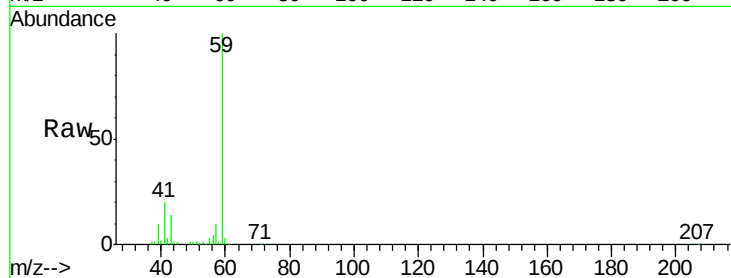
VSTDIC050

Tot Ion: 59 Resp: 310066

Ion Ratio Lower Upper

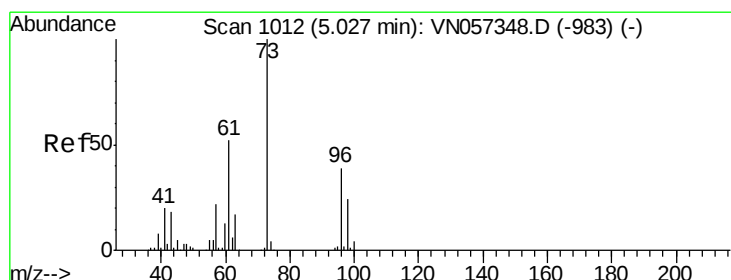
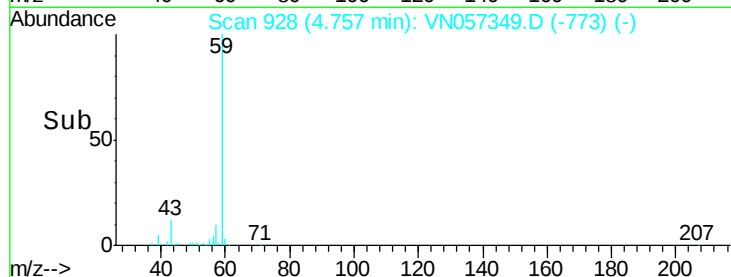
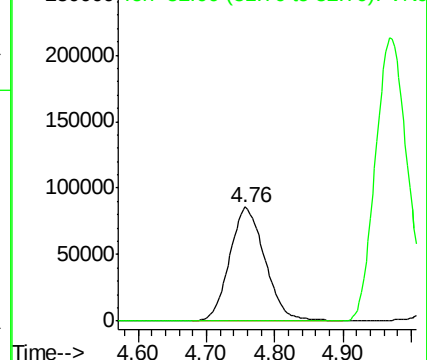
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 49.204 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN057349.D

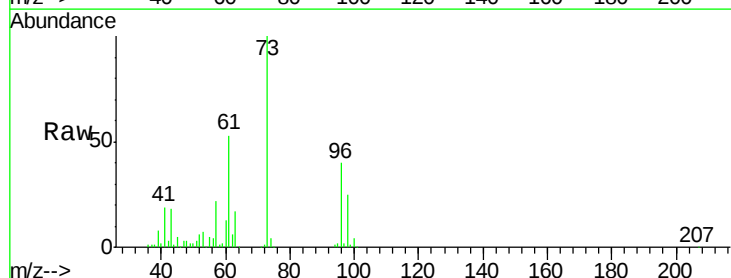
Acq: 16 Aug 2019 12:17

Tgt Ion: 73 Resp: 1178342

Ion Ratio Lower Upper

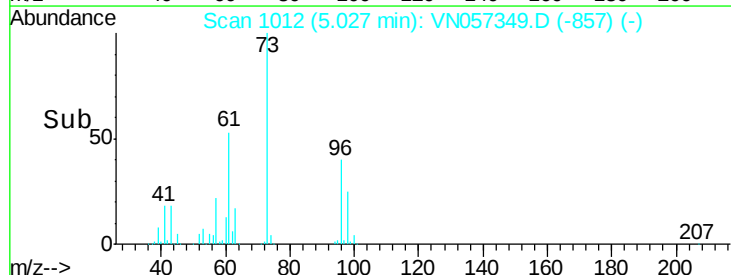
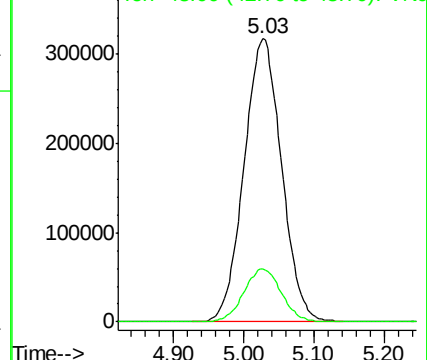
73 100

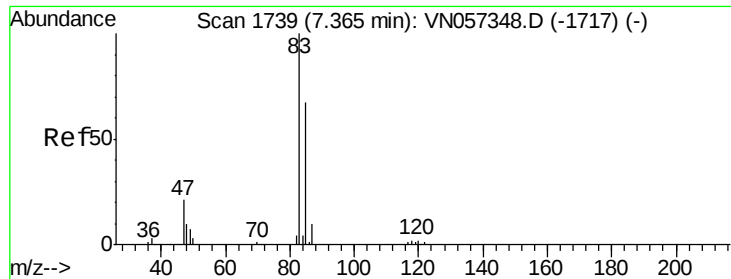
43 18.4 15.1 22.7



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 48.787 ug/l

RT: 7.36 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

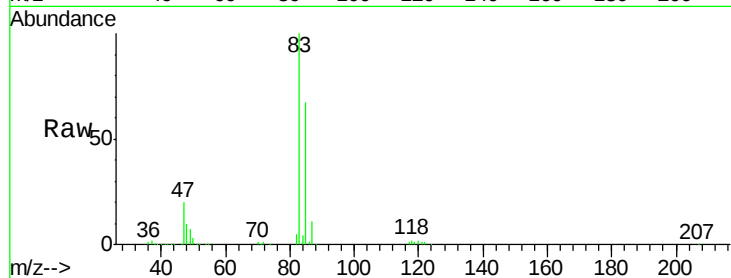
VSTDIC050

Tot Ion: 83 Resp: 747818

Ion Ratio Lower Upper

83 100

85 66.8 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.36

300000

250000

200000

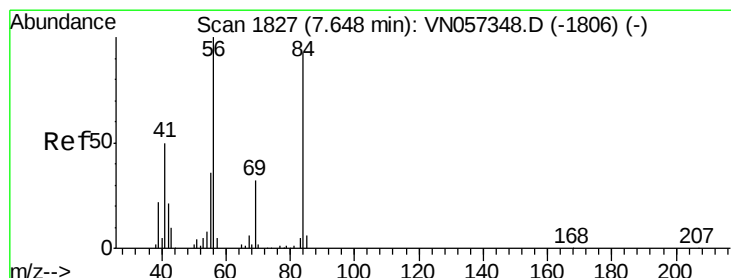
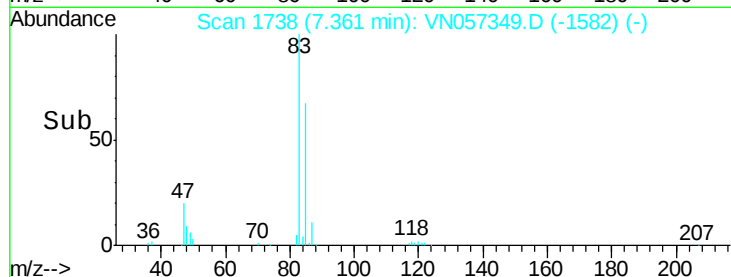
150000

100000

50000

0

Time-->



#26

Cyclohexane

Concen: 48.983 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

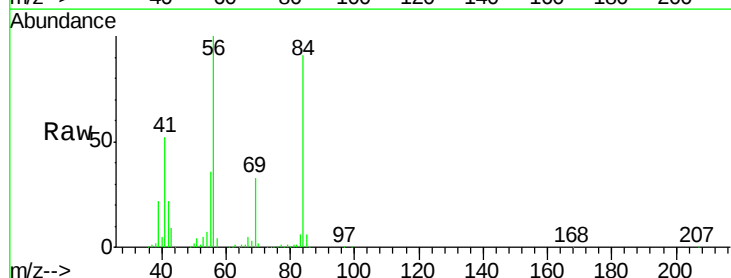
Tgt Ion: 56 Resp: 597128

Ion Ratio Lower Upper

56 100

89 0.0 1.4 2.2#

84 90.3 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

400000

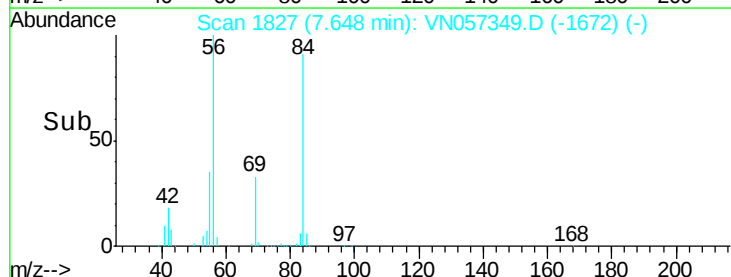
300000

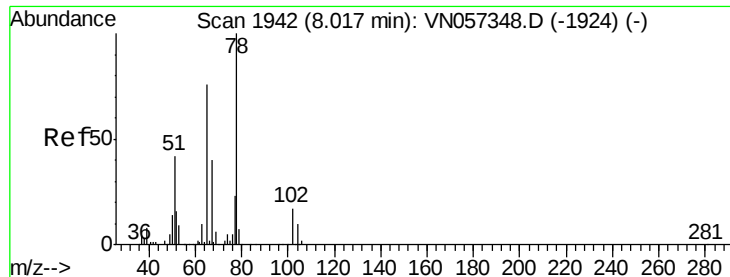
200000

100000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 29.944 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

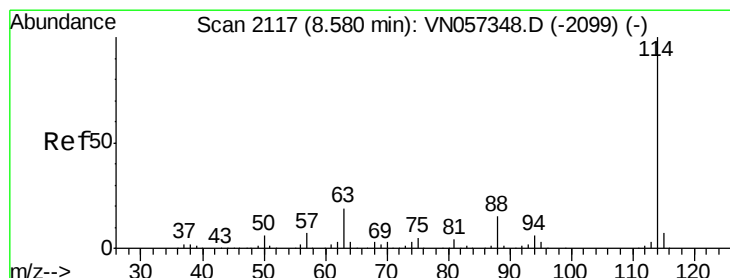
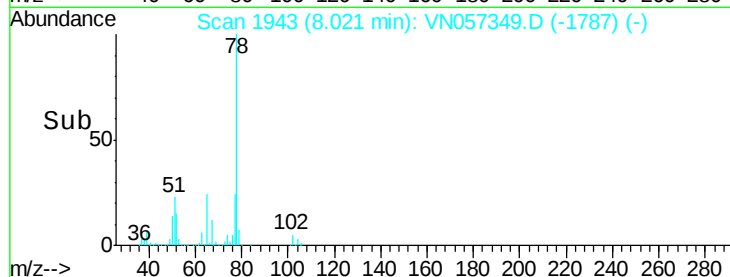
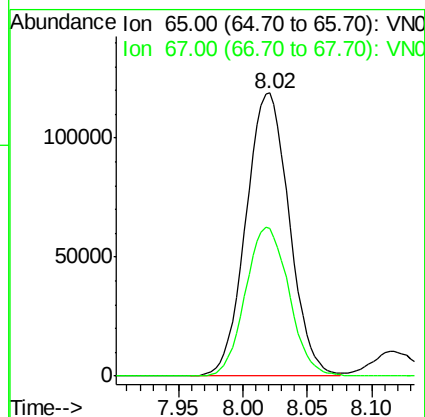
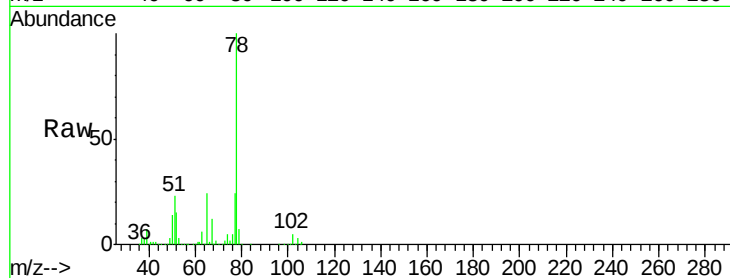
VSTDIC050

Tot Ion: 65 Resp: 278521

Ion Ratio Lower Upper

65 100

67 52.7 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: VN057349.D

Acq: 16 Aug 2019 12:17

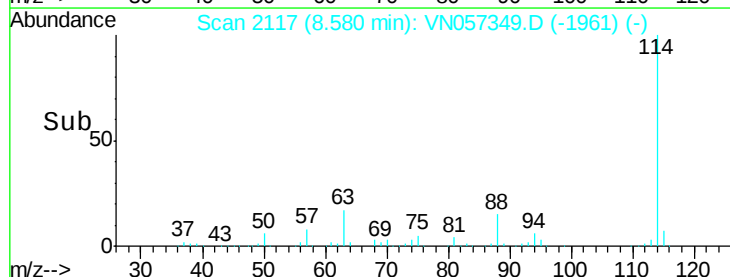
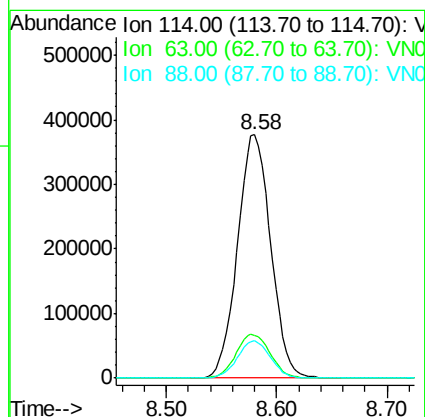
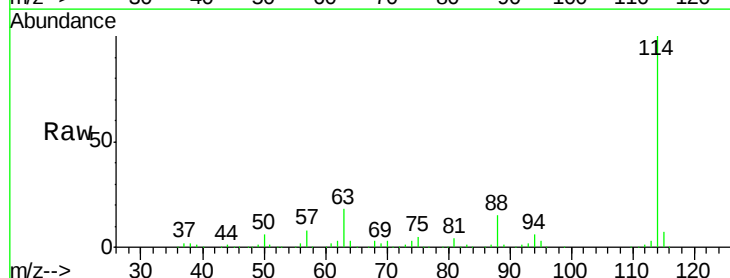
Tgt Ion: 114 Resp: 787003

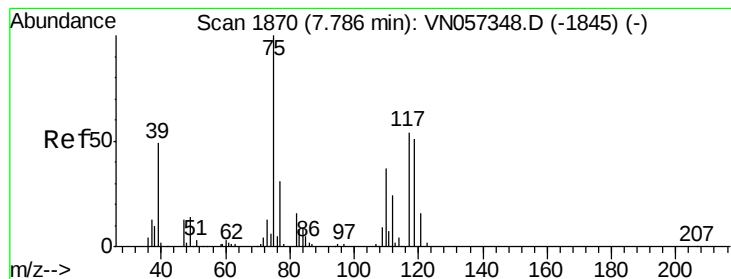
Ion Ratio Lower Upper

114 100

63 18.5 16.2 24.2

88 15.2 12.3 18.5





#29

1,1-Dichloropropene

Concen: 49.588 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

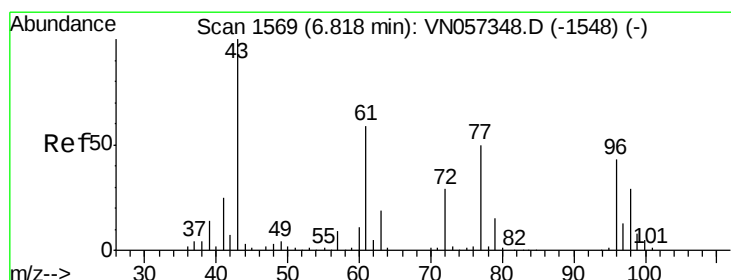
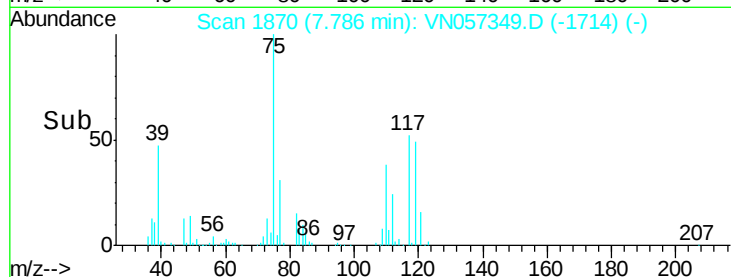
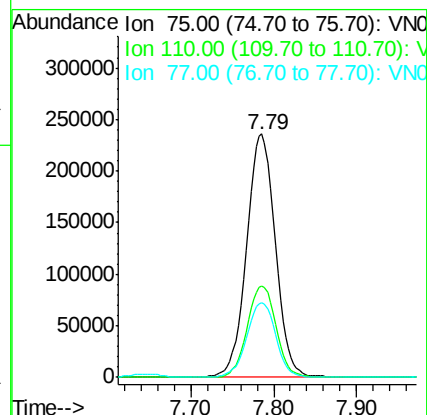
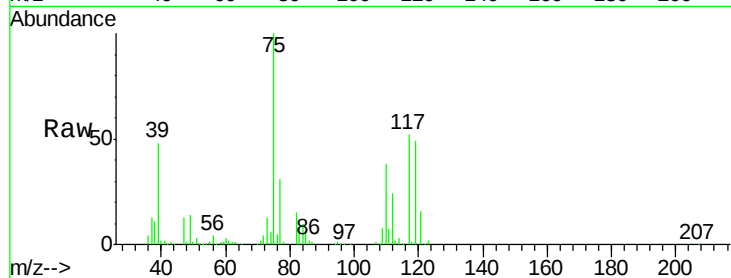
Tot Ion: 75 Resp: 567692

Ion Ratio Lower Upper

75 100

110 37.6 0.0 72.4

77 31.1 0.0 62.2



#30

2-Butanone

Concen: 245.541 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

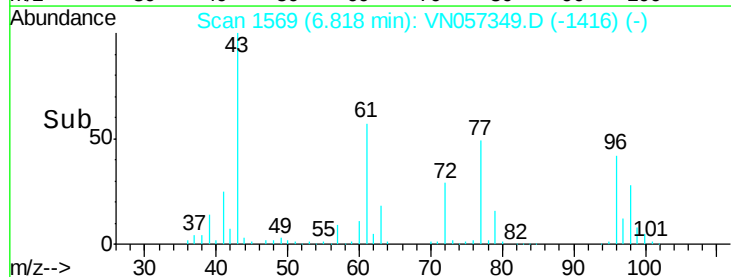
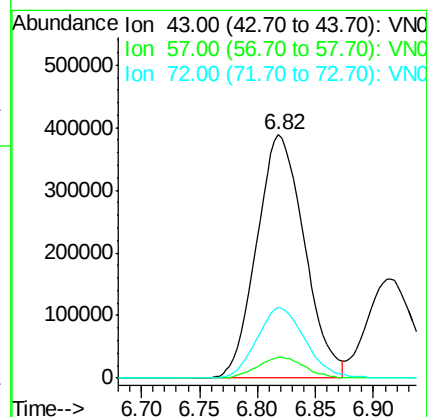
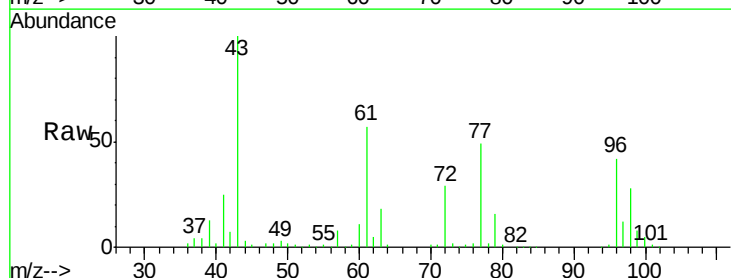
Tgt Ion: 43 Resp: 1109049

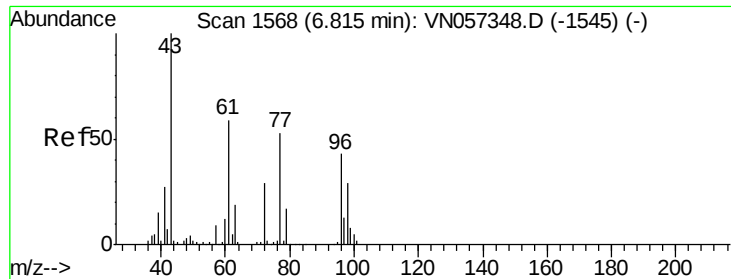
Ion Ratio Lower Upper

43 100

57 8.6 6.6 10.0

72 29.4 21.3 31.9





#31

2,2-Dichloropropane

Concen: 49.648 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

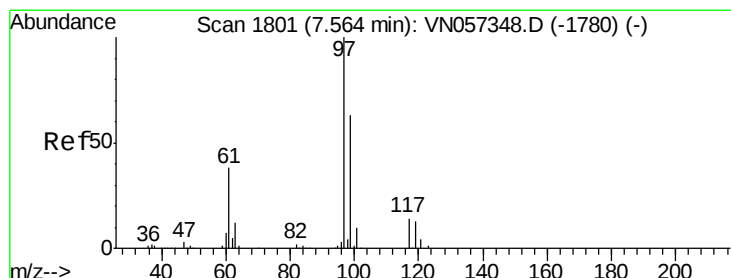
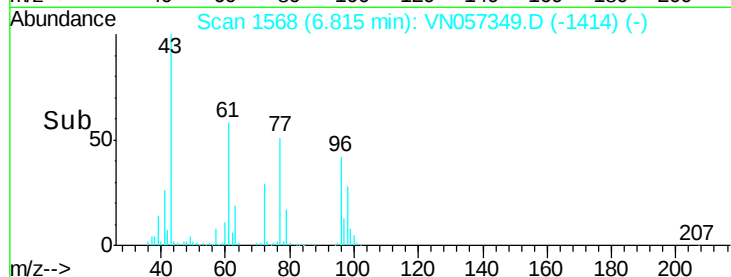
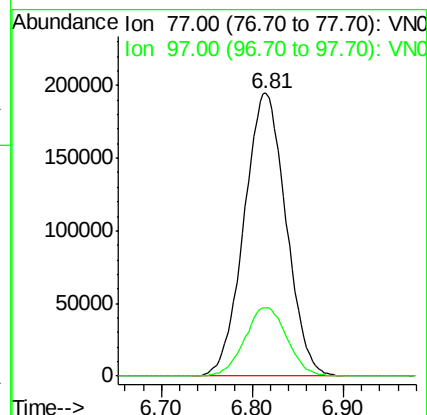
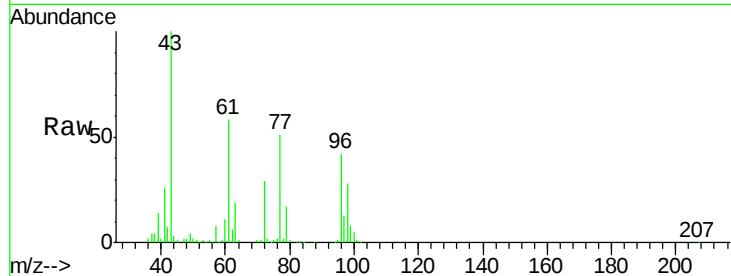
VSTDIC050

Tot Ion: 77 Resp: 622631

Ion Ratio Lower Upper

77 100

97 24.5 19.7 29.5



#32

1,1,1-Trichloroethane

Concen: 49.539 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

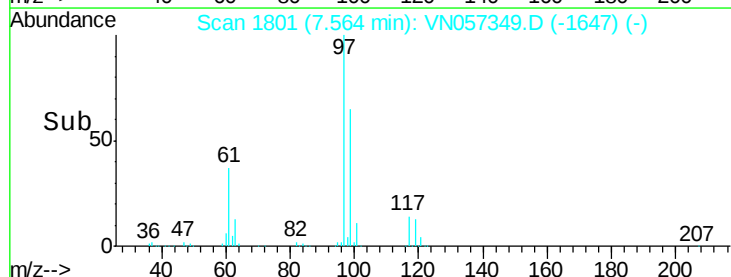
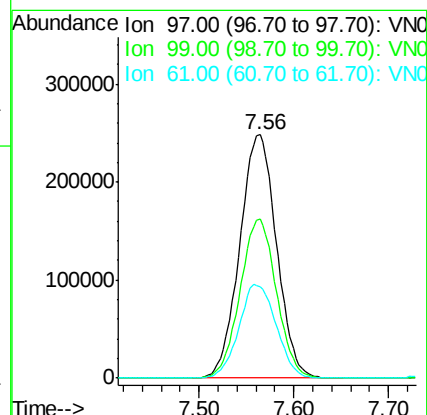
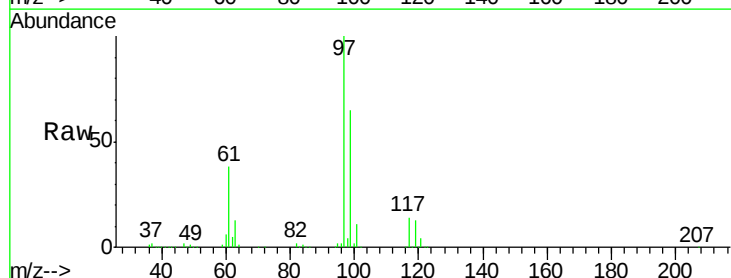
Tgt Ion: 97 Resp: 670456

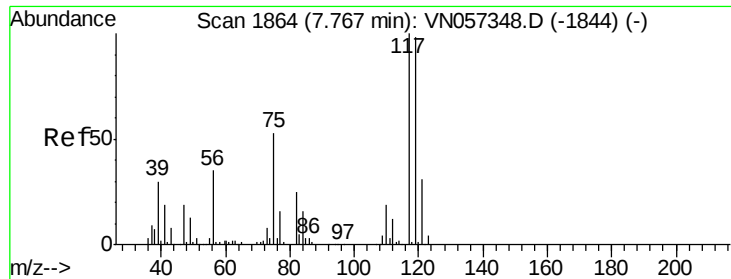
Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

61 39.1 34.4 51.6

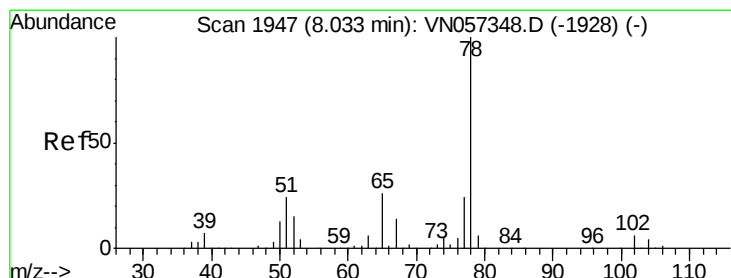
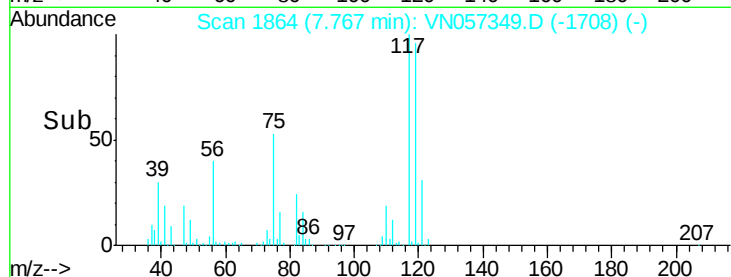
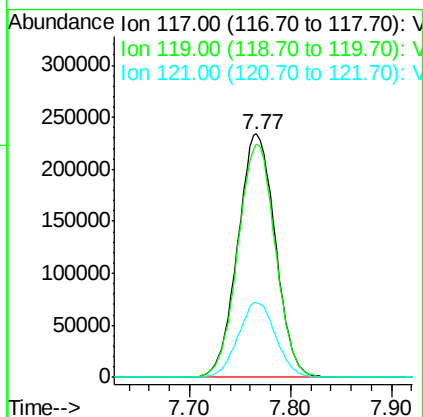
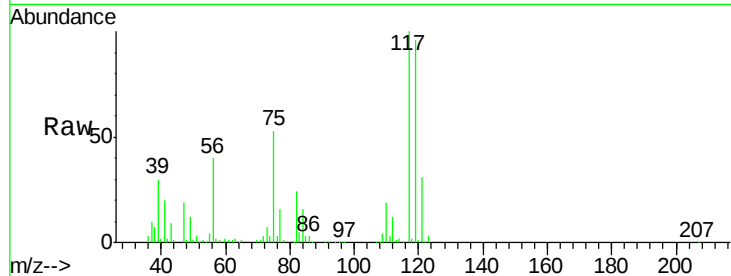




#33
Carbon Tetrachloride
Concen: 50.072 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

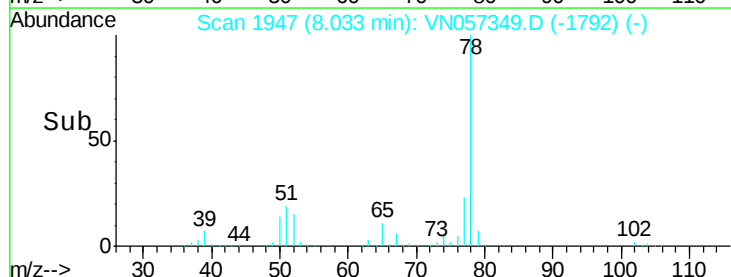
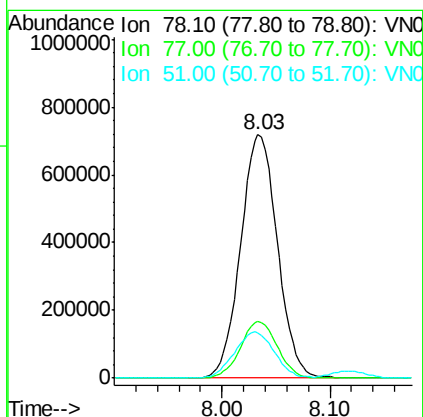
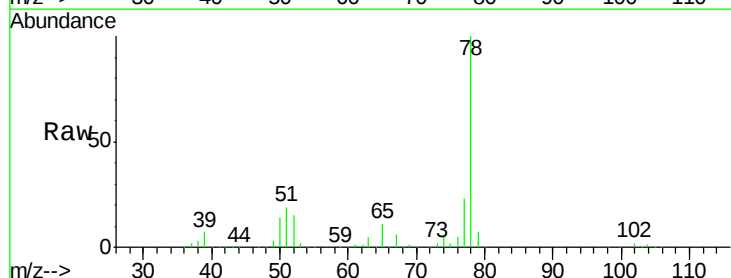
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

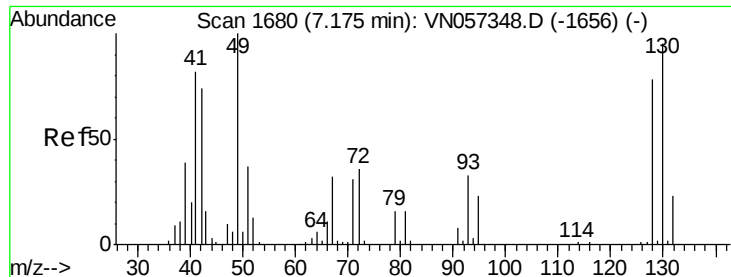
Tot Ion:117 Resp: 603418
Ion Ratio Lower Upper
117 100
119 95.8 78.7 118.1
121 30.6 24.0 36.0



#34
Benzene
Concen: 49.057 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

Tgt Ion: 78 Resp: 1703763
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4
51 18.8 19.7 29.5#

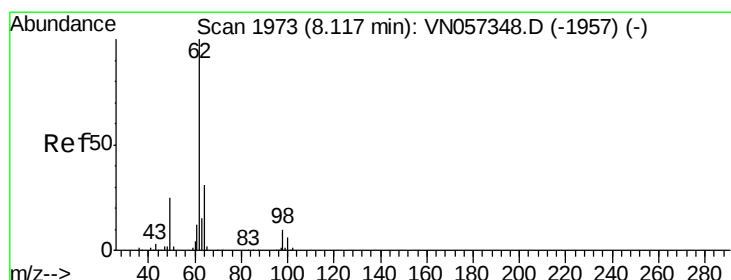
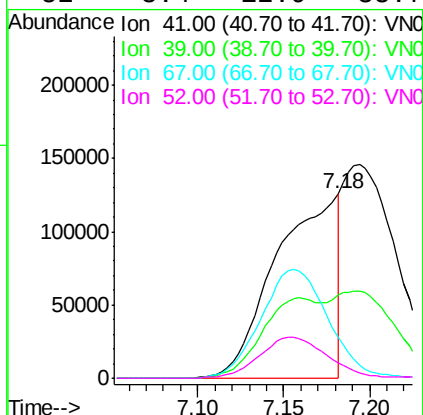
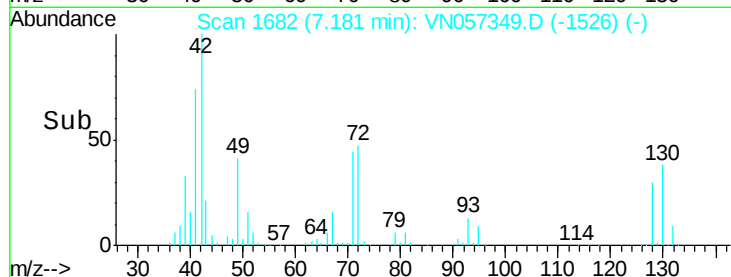
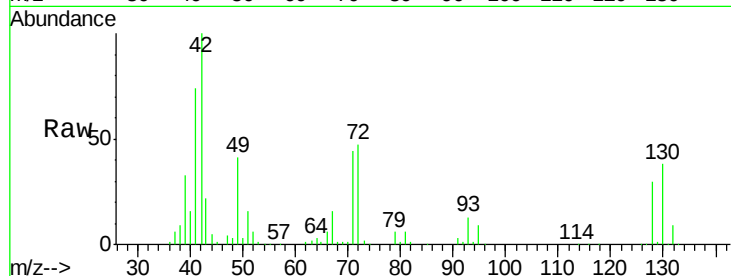




#35
Methacrylonitrile
Concen: 50.953 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

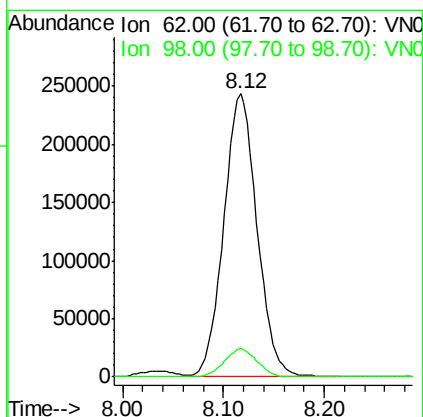
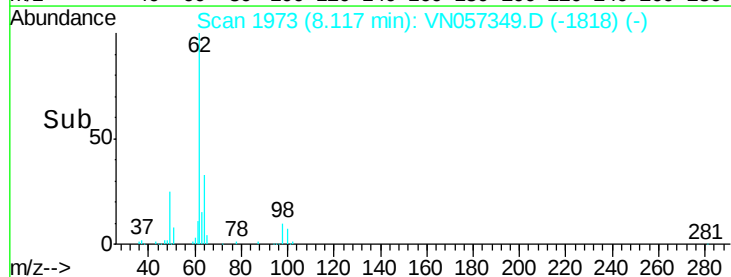
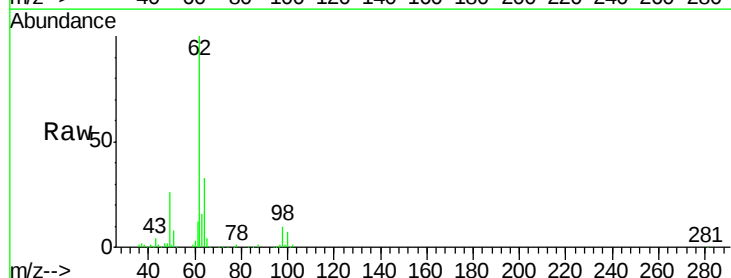
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

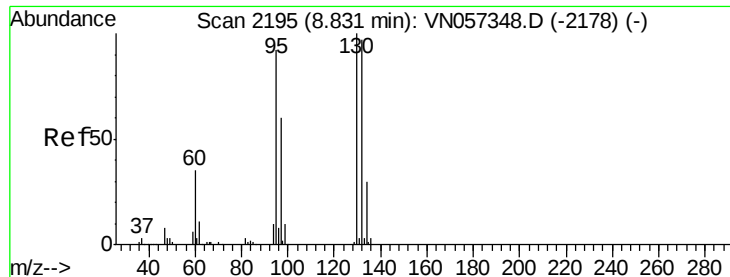
Tot Ion: 41 Resp: 314421
Ion Ratio Lower Upper
41 100
39 44.9 25.4 76.2
67 22.2 33.6 100.8#
52 8.4 12.9 38.7#



#36
1,2-Dichloroethane
Concen: 49.478 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

Tgt Ion: 62 Resp: 558460
Ion Ratio Lower Upper
62 100
98 9.8 7.7 11.5





#37

Trichloroethene

Concen: 49.042 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

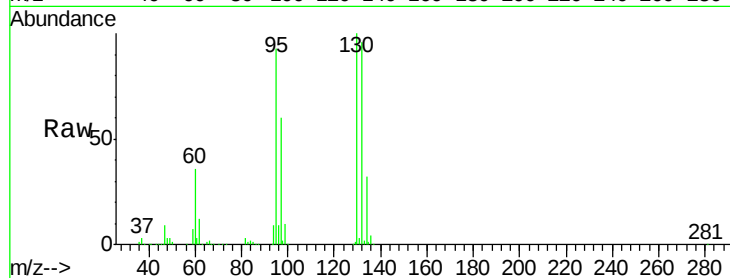
VSTDIC050

Tot Ion:130 Resp: 495788

Ion Ratio Lower Upper

130 100

95 93.2 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0

8.83

250000

200000

150000

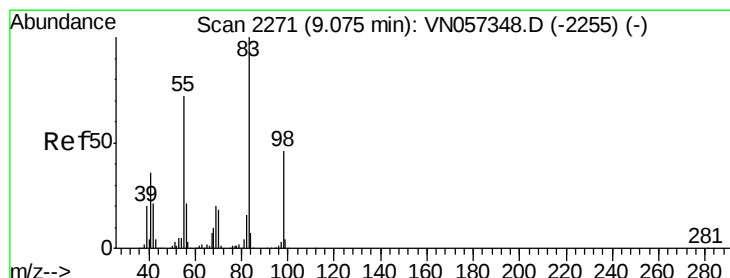
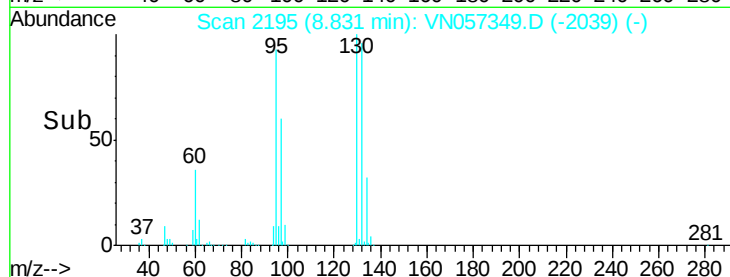
100000

50000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 49.444 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

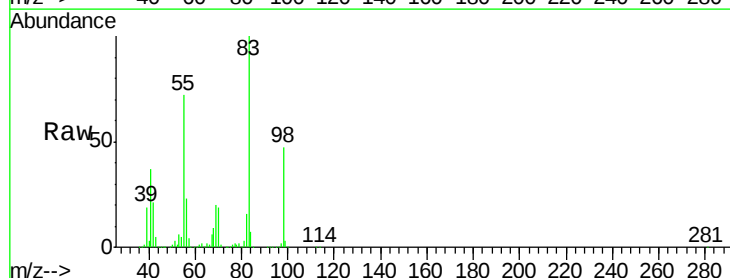
Tgt Ion: 83 Resp: 670358

Ion Ratio Lower Upper

83 100

55 72.2 38.4 115.2

98 46.8 23.3 69.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

9.08

400000

300000

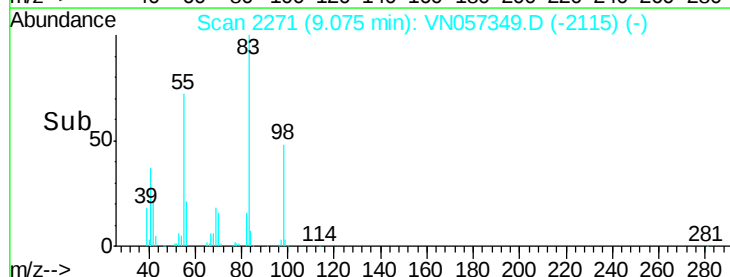
200000

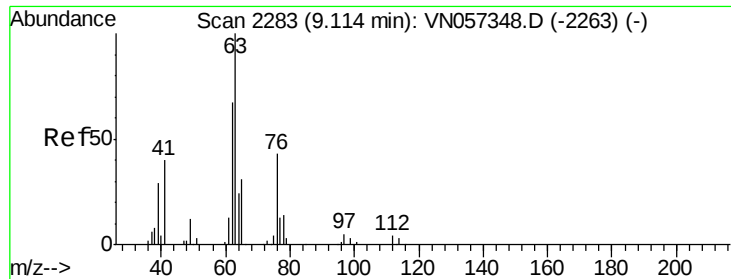
100000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 50.080 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

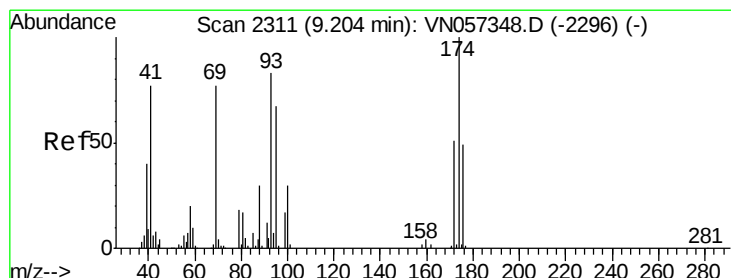
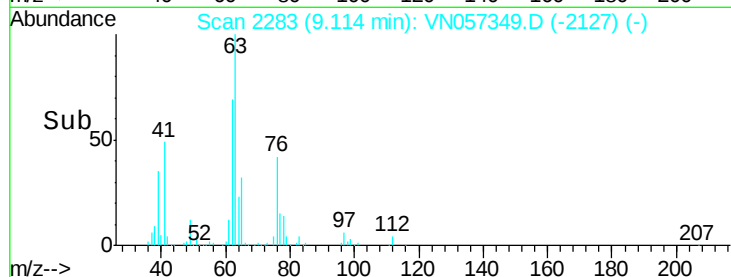
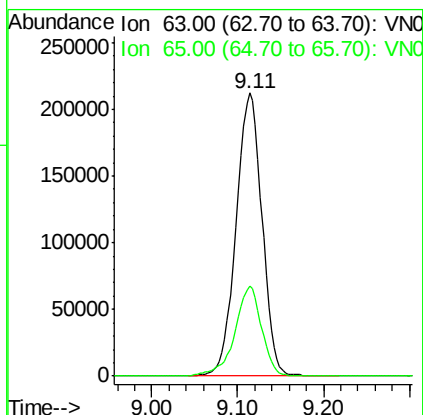
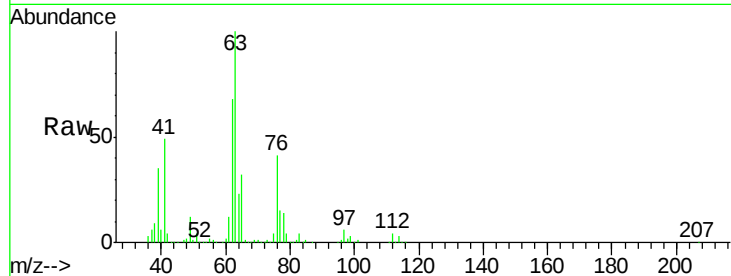
VSTDIC050

Tot Ion: 63 Resp: 444542

Ion Ratio Lower Upper

63 100

65 31.6 24.6 36.8



#40

Dibromomethane

Concen: 48.977 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

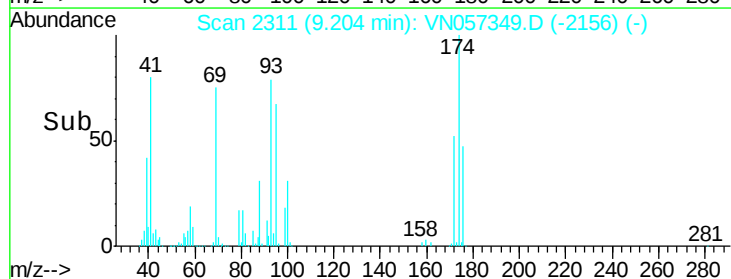
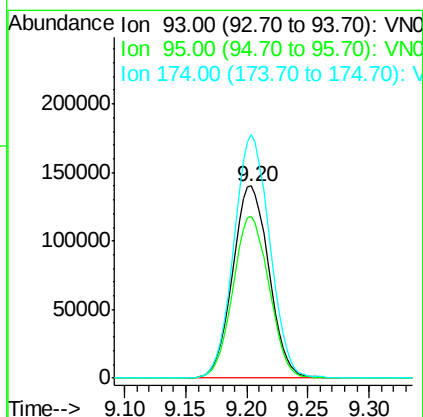
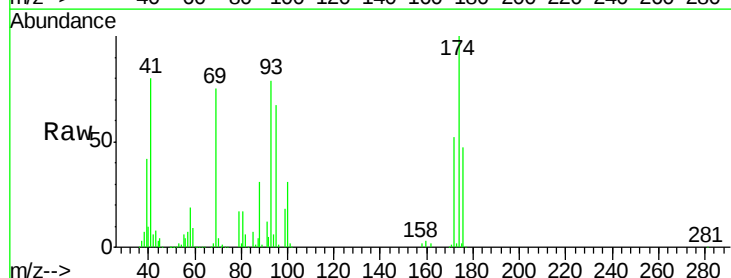
Tgt Ion: 93 Resp: 289218

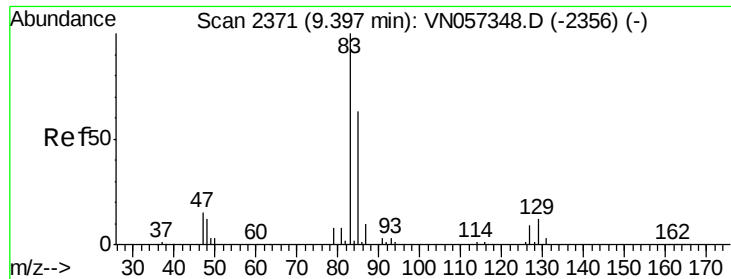
Ion Ratio Lower Upper

93 100

95 83.9 0.0 167.0

174 124.8 0.0 224.2





#41

Bromodichloromethane

Concen: 49.590 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

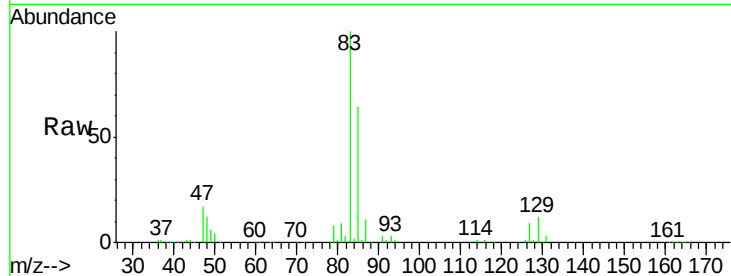
Tot Ion: 83 Resp: 593368

Ion Ratio Lower Upper

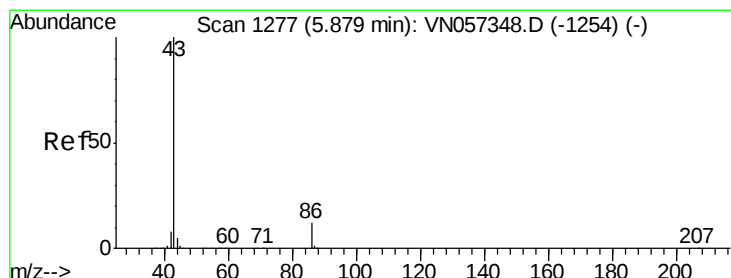
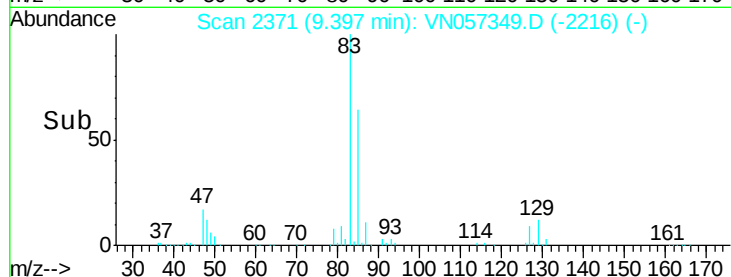
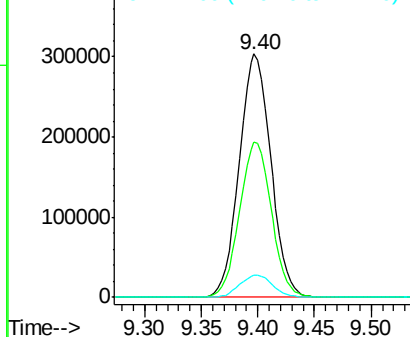
83 100

85 63.7 50.1 75.1

127 9.1 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 248.844 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057349.D

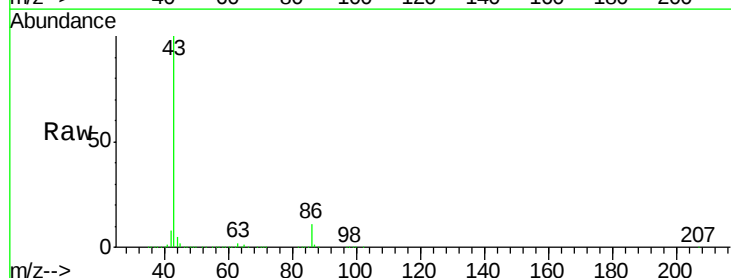
Acq: 16 Aug 2019 12:17

Tgt Ion: 43 Resp: 4729332

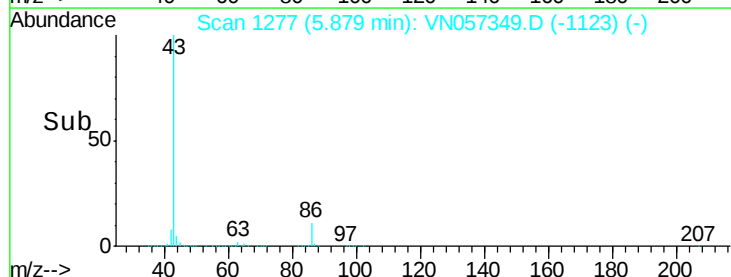
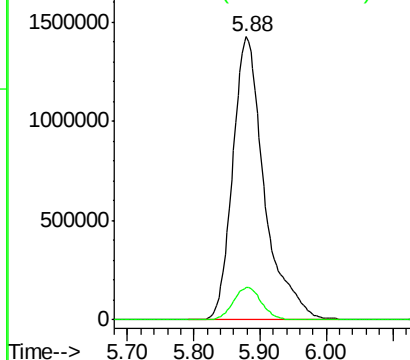
Ion Ratio Lower Upper

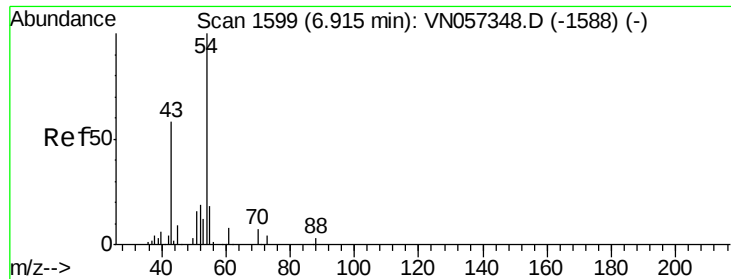
43 100

86 10.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





#43

Ethyl Acetate

Concen: 48.892 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

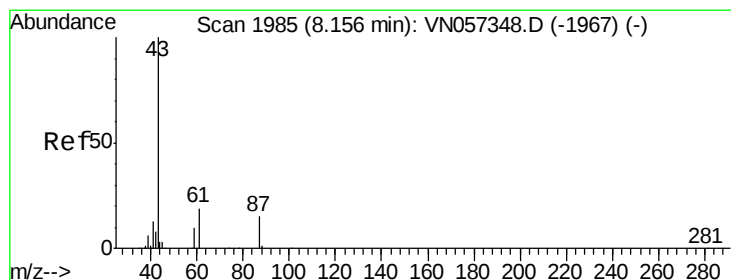
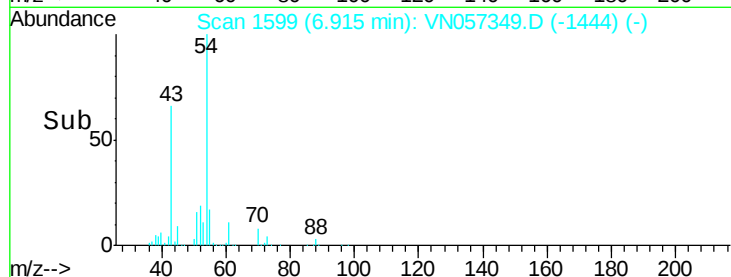
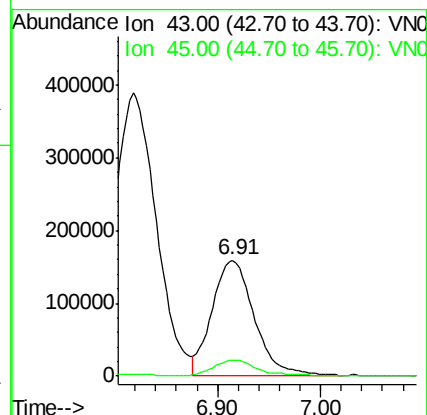
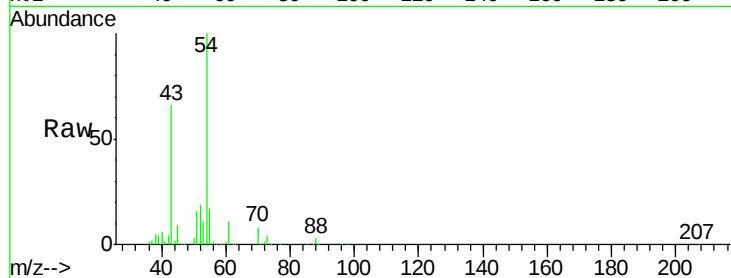
VSTDIC050

Tot Ion: 43 Resp: 453088

Ion Ratio Lower Upper

43 100

45 14.6 11.2 16.8



#44

Isopropyl Acetate

Concen: 49.788 ug/l m

RT: 8.16 min Scan# 1985

Delta R.T. -0.45 min

Lab File: VN057349.D

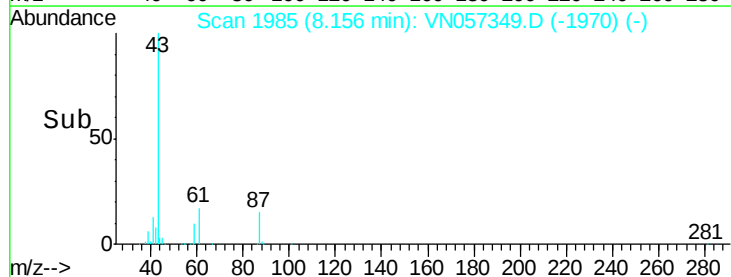
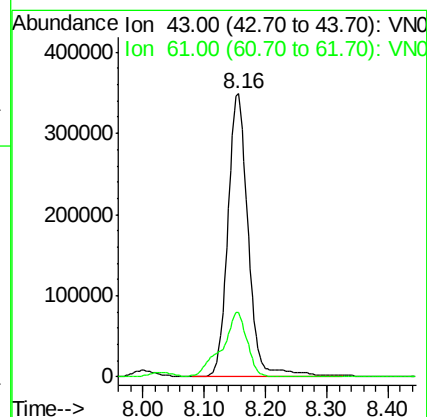
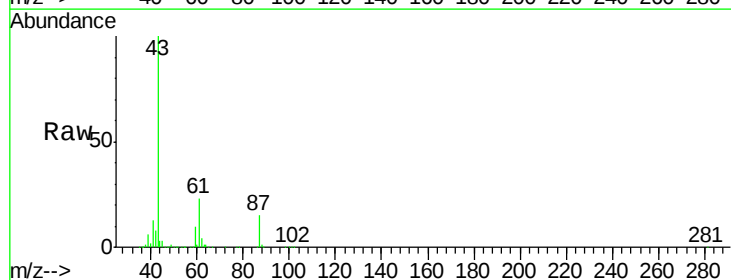
Acq: 16 Aug 2019 12:17

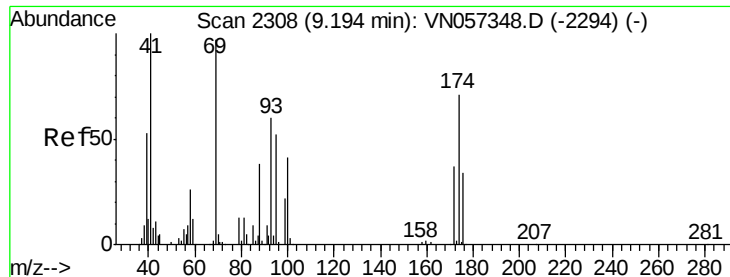
Tgt Ion: 43 Resp: 810958

Ion Ratio Lower Upper

43 100

61 0.0 22.6 33.8#

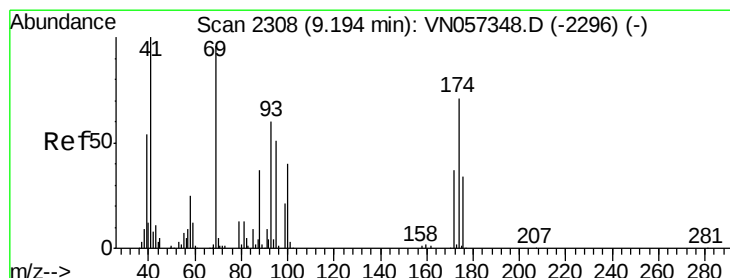
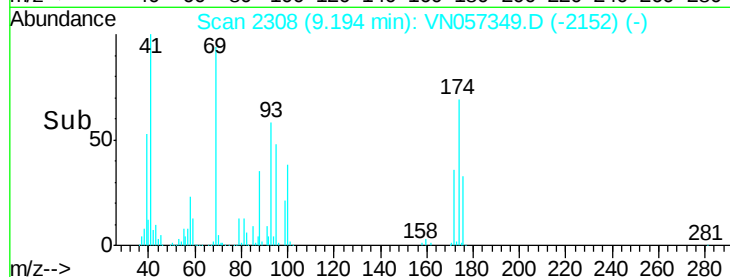
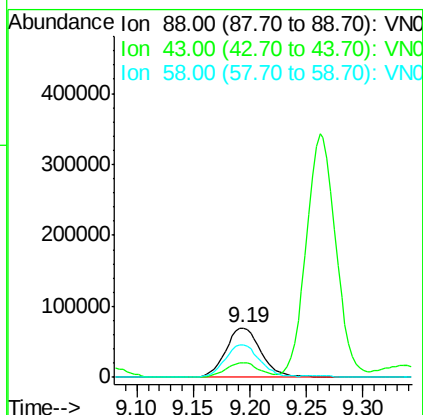
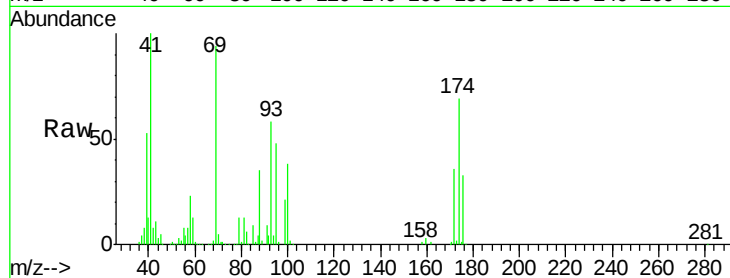




#45
1,4-Dioxane
Concen: 993.931 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

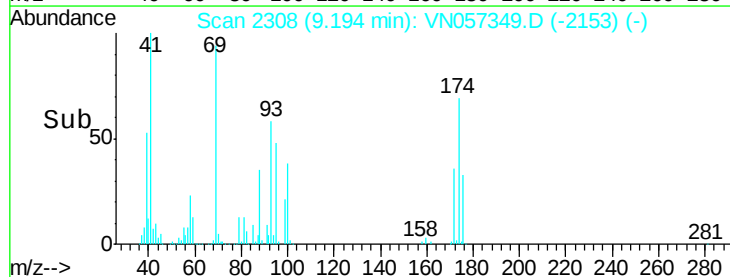
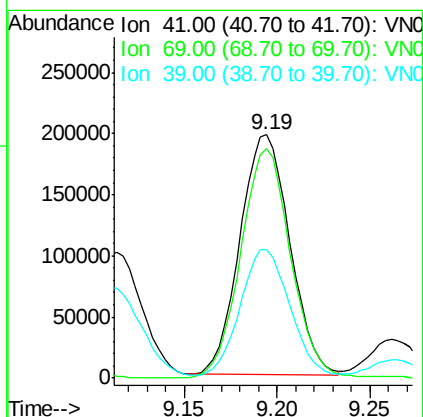
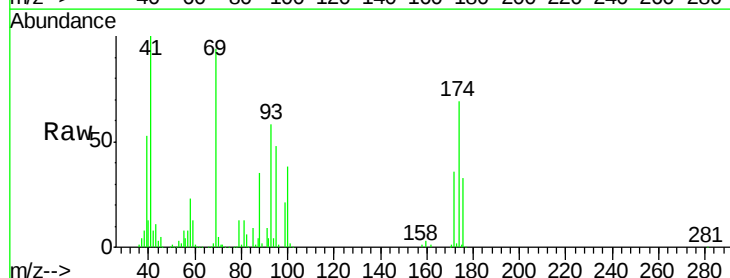
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

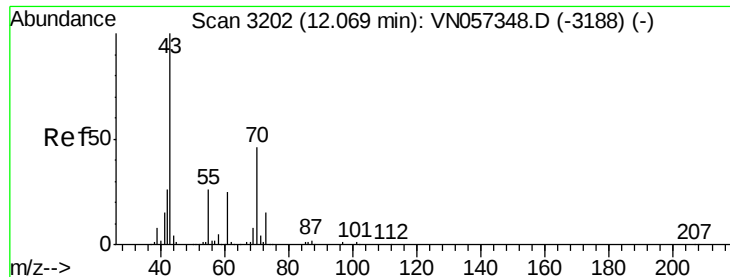
Tot Ion	88	Resp	152789
Ion	Ratio	Lower	Upper
88	100		
43	27.1	23.0	34.6
58	64.2	54.6	81.8



#46
Methyl methacrylate
Concen: 50.464 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

Tgt Ion	41	Resp	369015
Ion	Ratio	Lower	Upper
41	100		
69	95.5	43.0	129.0
39	52.3	25.1	75.4





#47

n-amvl Acetate

Concen: 49.752 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

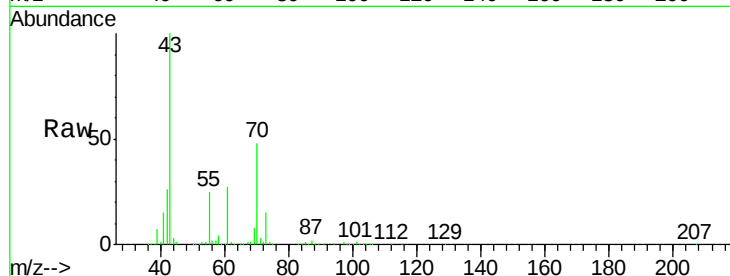
VSTDIC050

Tot Ion: 43 Resp: 599479

Ion Ratio Lower Upper

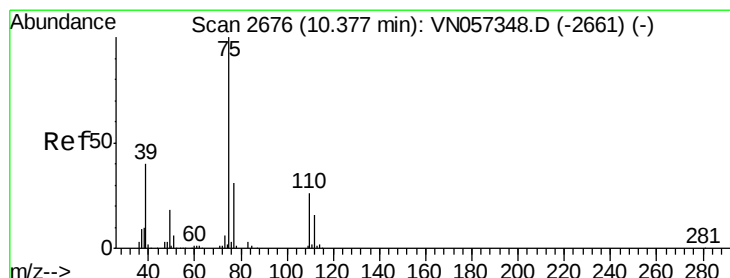
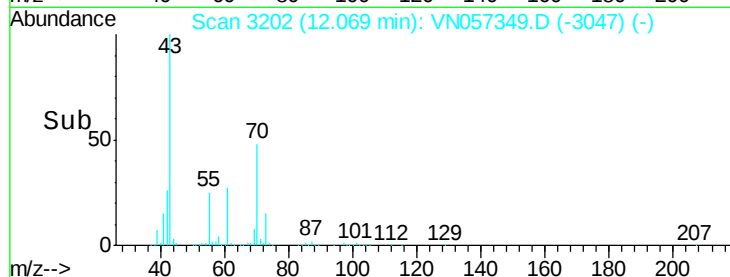
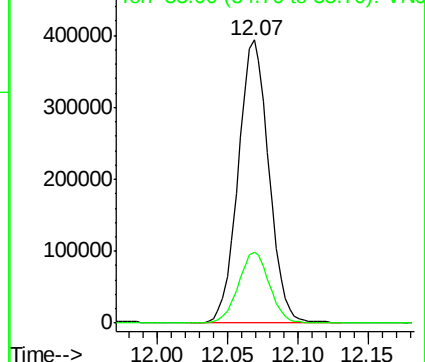
43 100

55 25.5 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 49.681 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057349.D

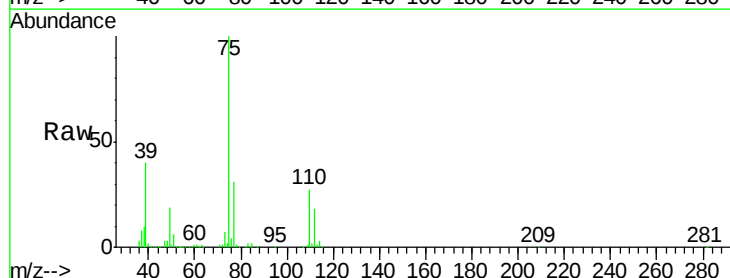
Acq: 16 Aug 2019 12:17

Tgt Ion: 75 Resp: 643129

Ion Ratio Lower Upper

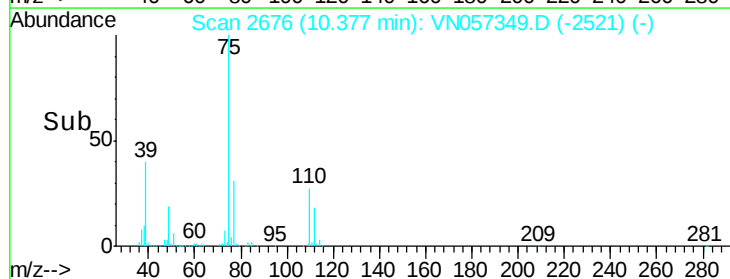
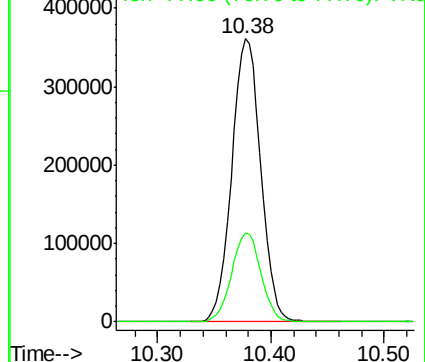
75 100

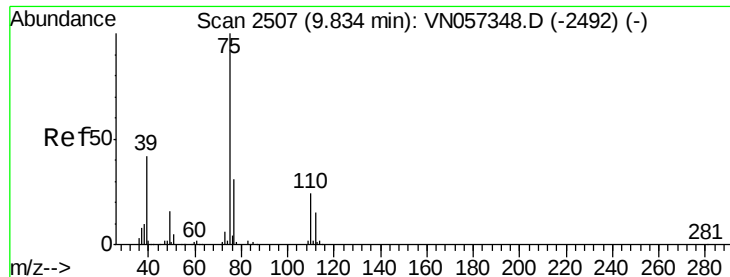
77 31.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 49.902 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

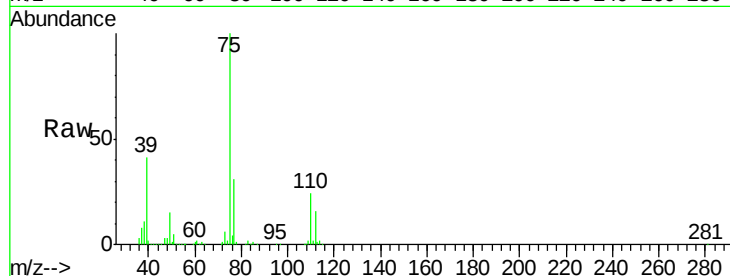
Tot Ion: 75 Resp: 719222

Ion Ratio Lower Upper

75 100

77 30.9 26.0 39.0

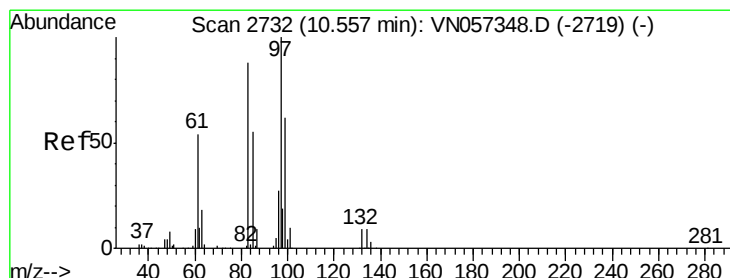
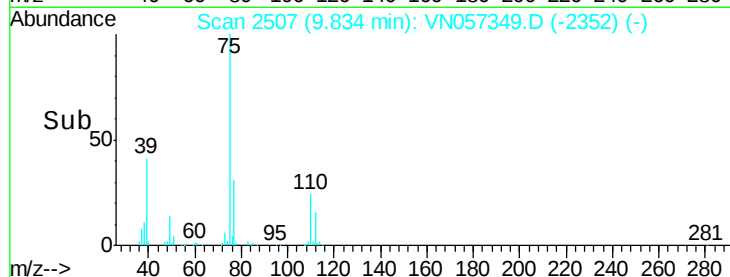
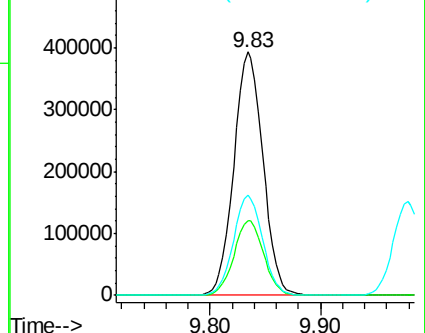
39 41.1 36.2 54.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 49.213 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Tgt Ion: 97 Resp: 424122

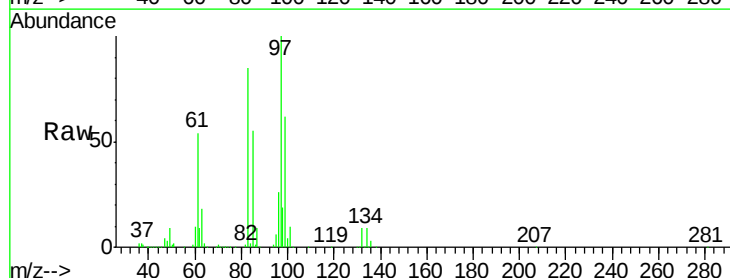
Ion Ratio Lower Upper

97 100

83 85.2 69.2 103.8

85 54.9 45.3 67.9

99 61.9 51.6 77.4

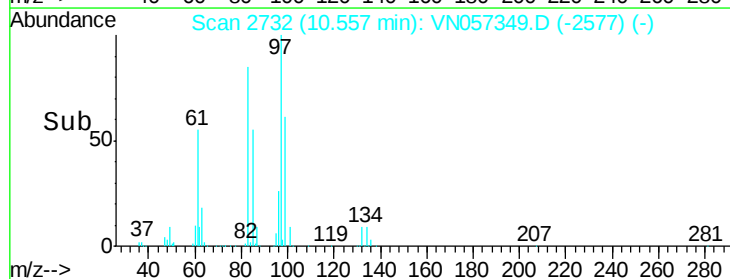
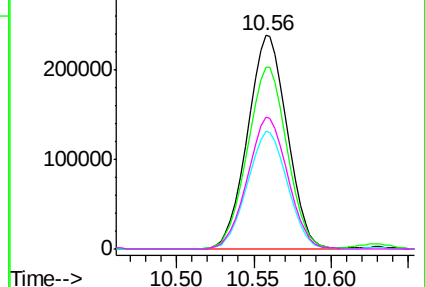


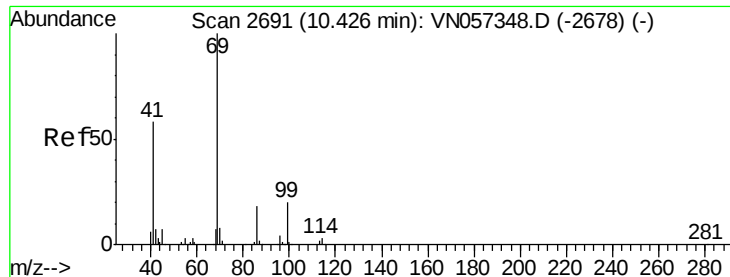
Abundance Ion 97.00 (96.70 to 97.70): VN0

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: 50.267 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

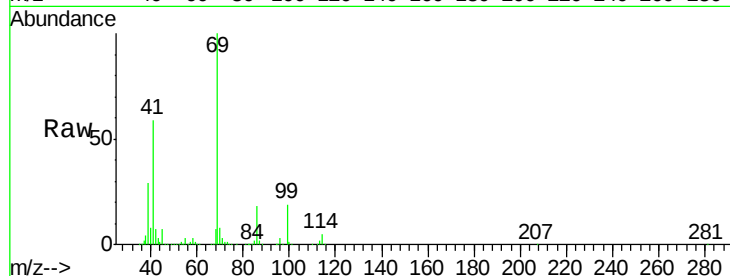
Tot Ion: 69 Resp: 627997

Ion	Ratio	Lower	Upper
69	100		
41	59.0	32.8	98.3
39	29.4	15.4	46.2

69 100

41 59.0 32.8 98.3

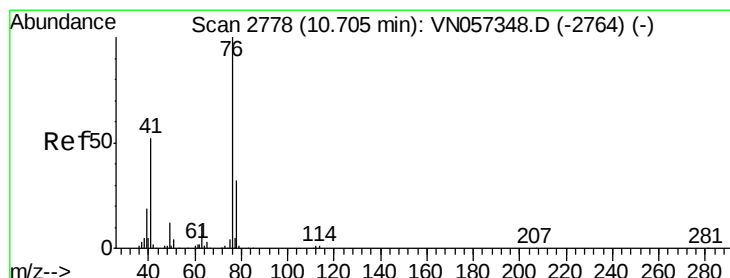
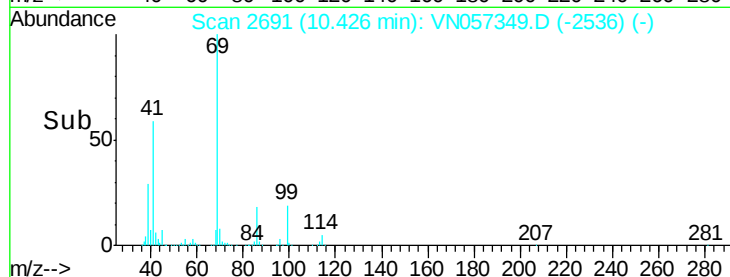
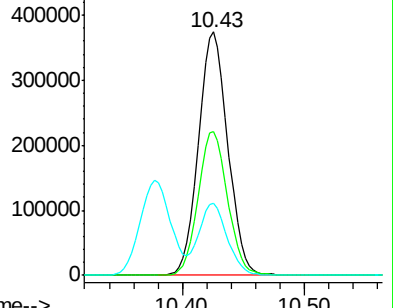
39 29.4 15.4 46.2



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: 49.431 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057349.D

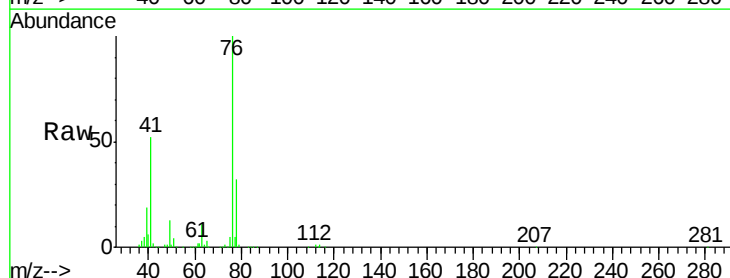
Acq: 16 Aug 2019 12:17

Tgt Ion: 76 Resp: 695736

Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	63.6

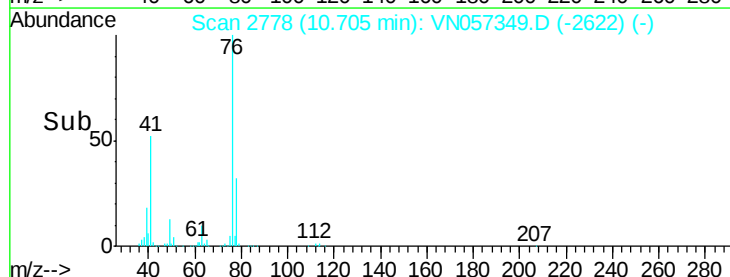
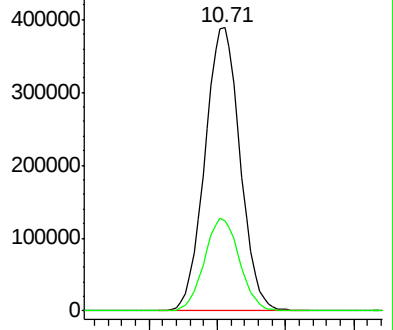
76 100

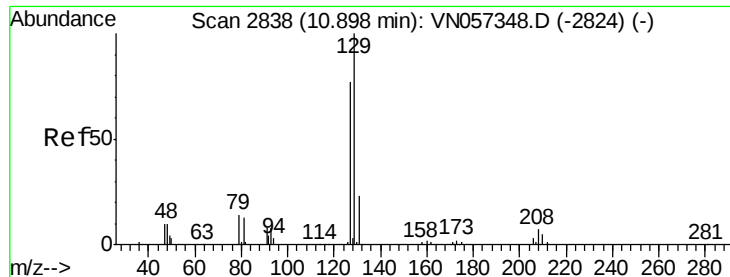
78 32.6 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 50.044 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

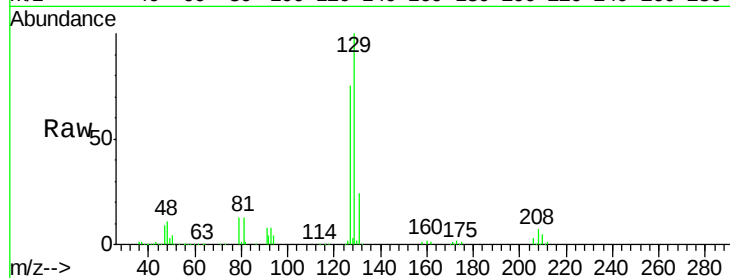
VSTDIC050

Tot Ion:129 Resp: 496189

Ion Ratio Lower Upper

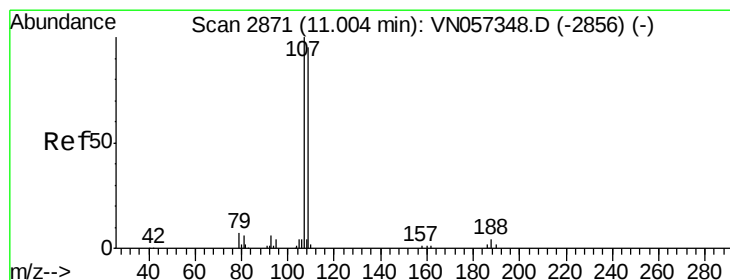
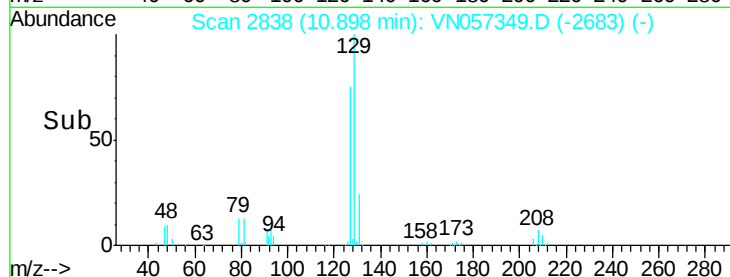
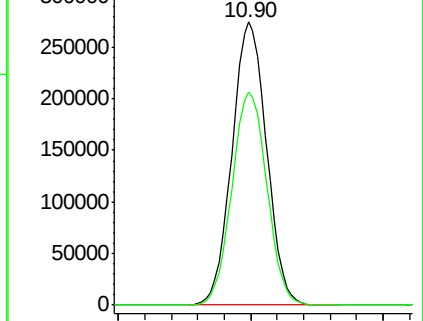
129 100

127 76.3 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 49.675 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057349.D

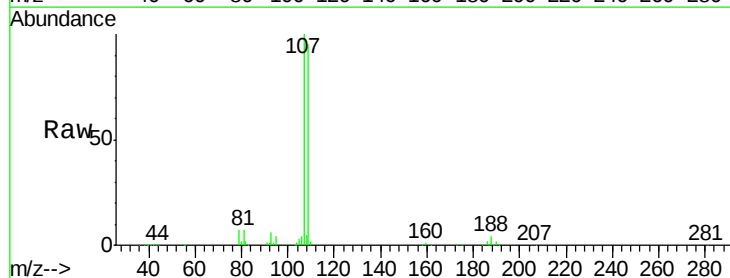
Acq: 16 Aug 2019 12:17

Tgt Ion:107 Resp: 450870

Ion Ratio Lower Upper

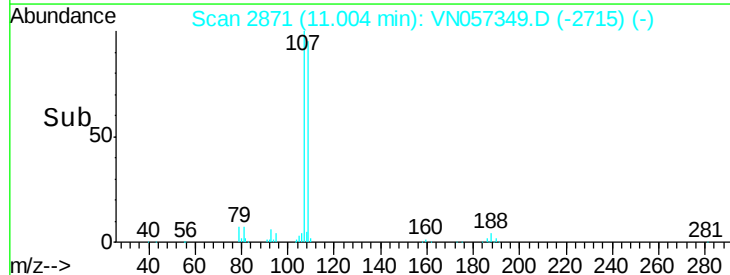
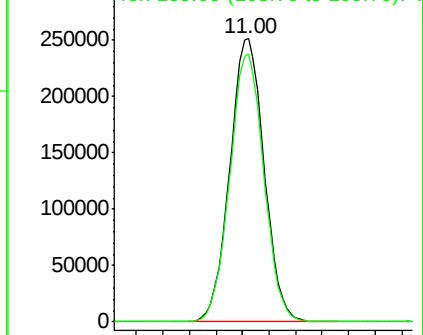
107 100

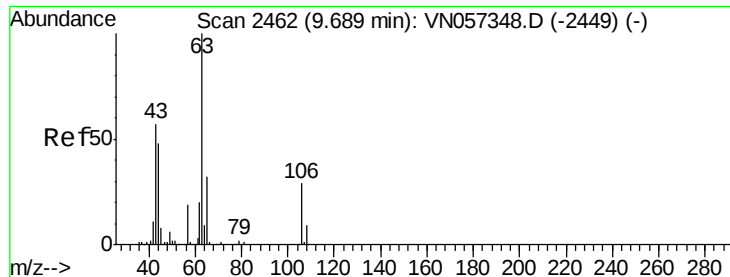
109 94.2 77.9 116.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 246.537 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

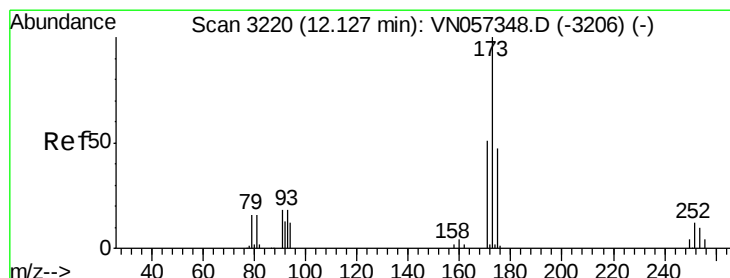
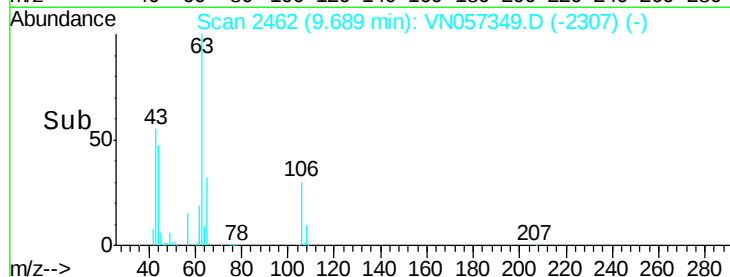
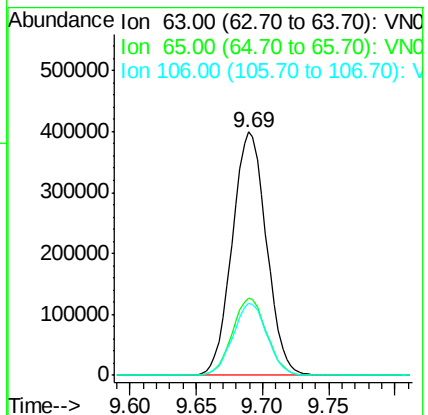
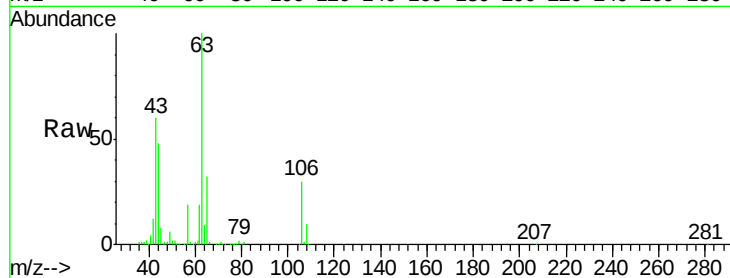
Tot Ion: 63 Resp: 716970

Ion Ratio Lower Upper

63 100

65 31.7 25.2 37.8

106 29.7 21.6 32.4



#56

Bromoform

Concen: 49.975 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

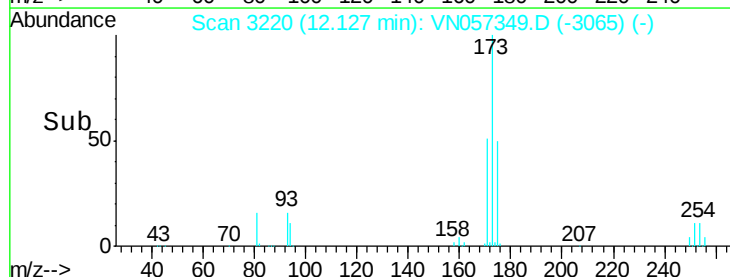
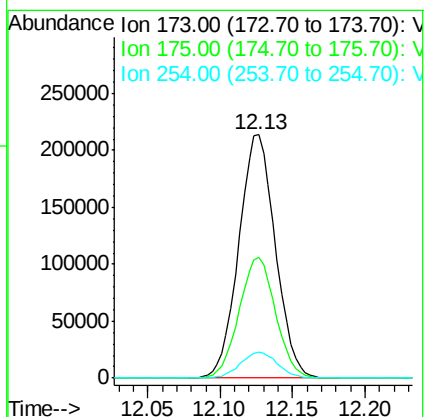
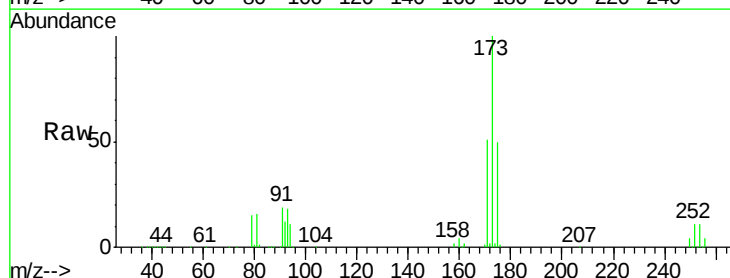
Tgt Ion: 173 Resp: 374161

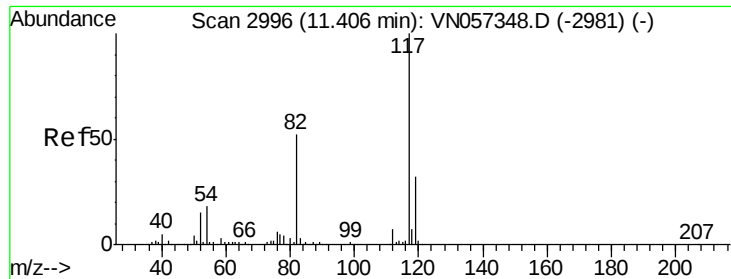
Ion Ratio Lower Upper

173 100

175 49.5 39.7 59.5

254 10.7 7.8 11.8

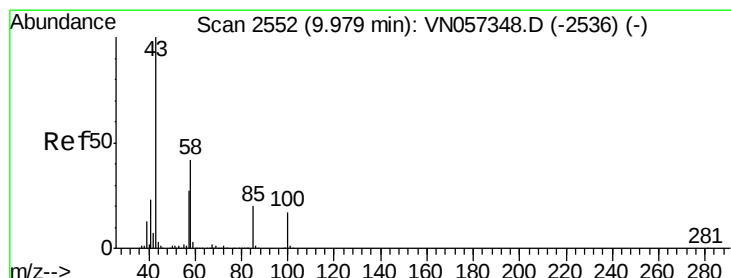
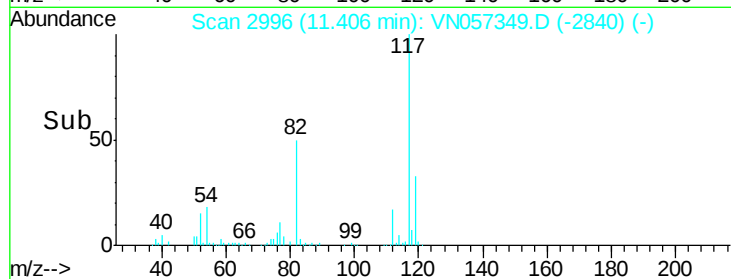
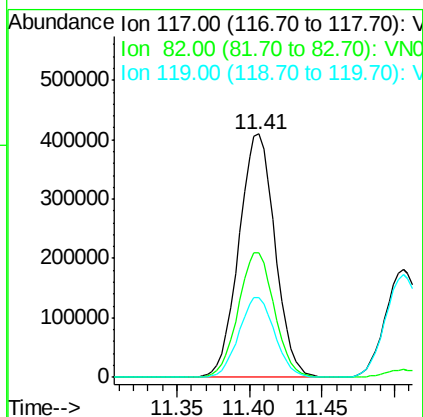
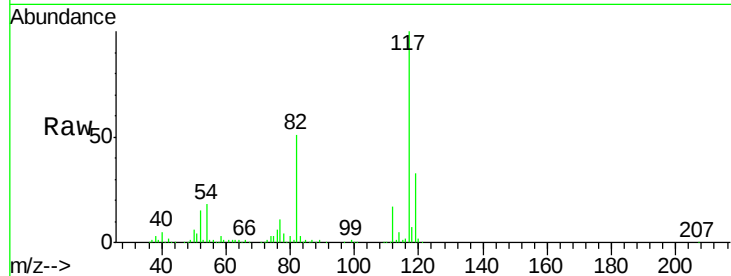




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

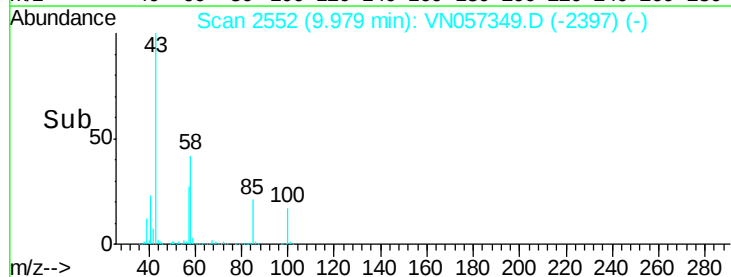
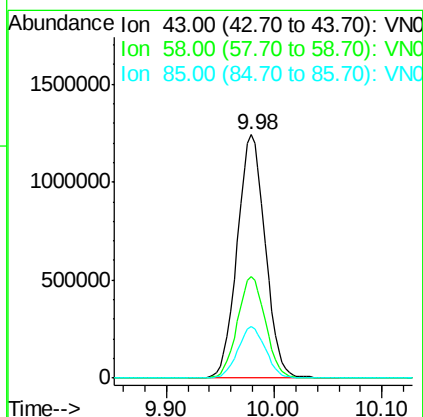
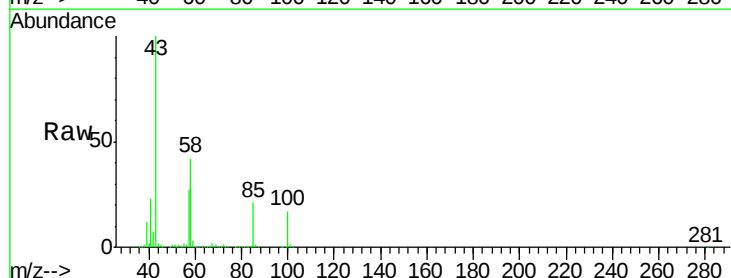
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

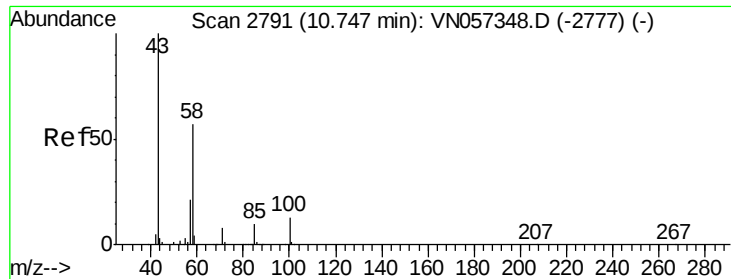
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	43.0	64.4
119	32.6	26.0	39.0



#58
4-Methyl-2-Pentanone
Concen: 243.938 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.6	31.9	47.9
85	20.8	14.2	21.4

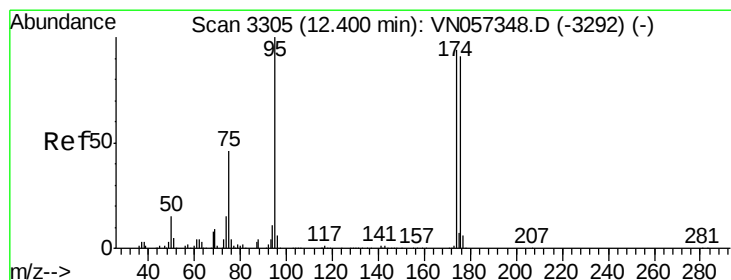
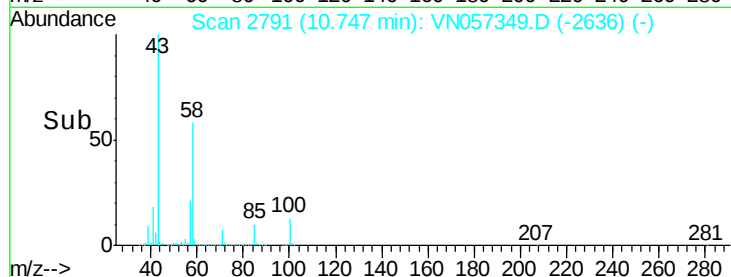
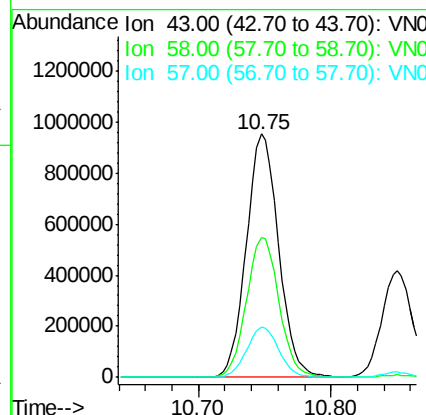
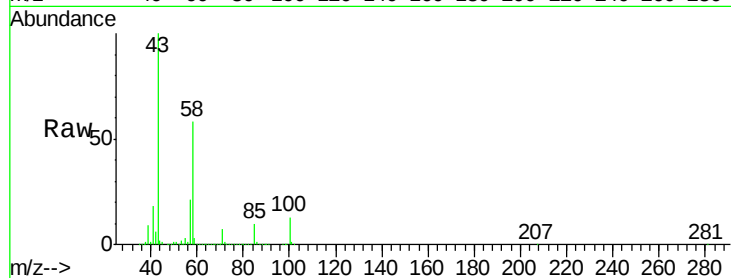




#59
2-Hexanone
Concen: 243.153 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

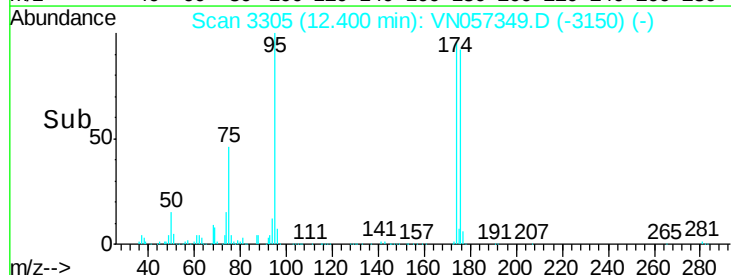
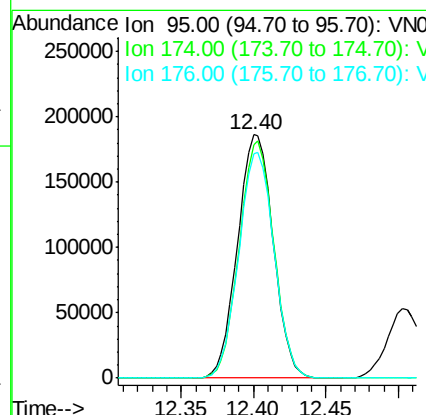
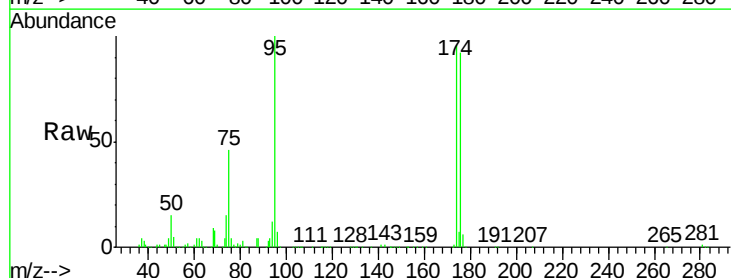
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

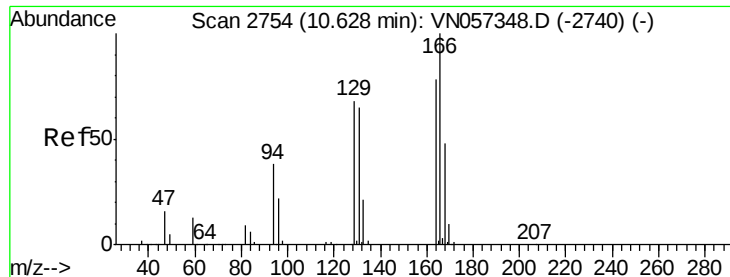
Tot Ion: 43 Resp: 1610272
Ion Ratio Lower Upper
43 100
58 58.2 44.4 66.6
57 20.7 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 30.516 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

Tgt Ion: 95 Resp: 318499
Ion Ratio Lower Upper
95 100
174 94.8 72.6 108.8
176 91.9 71.0 106.6

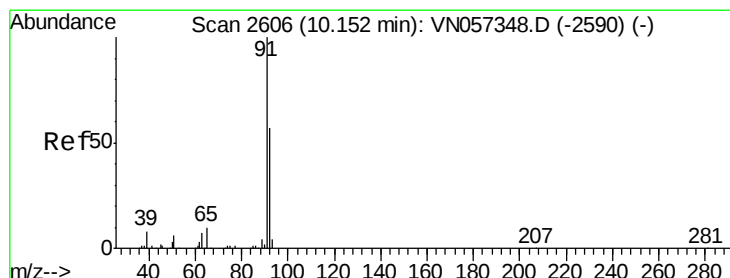
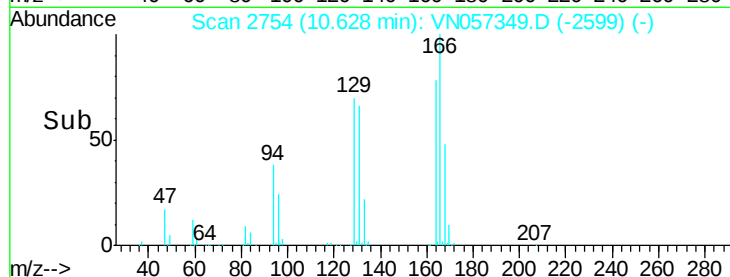
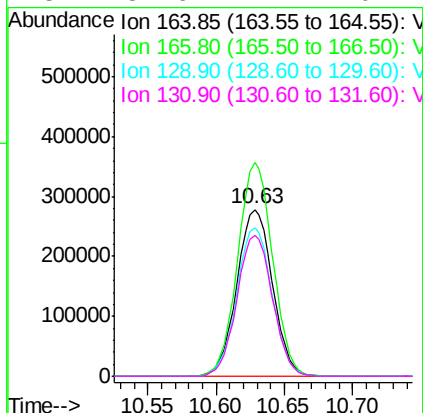
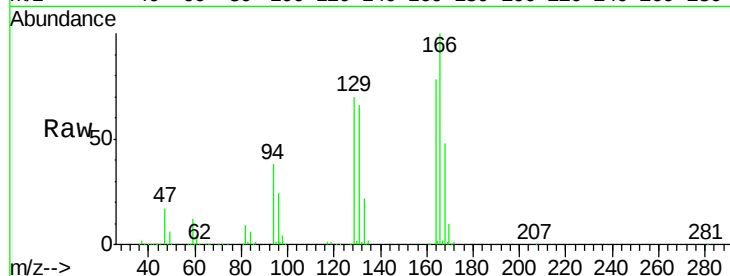




#61
Tetrachloroethene
Concen: 48.539 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

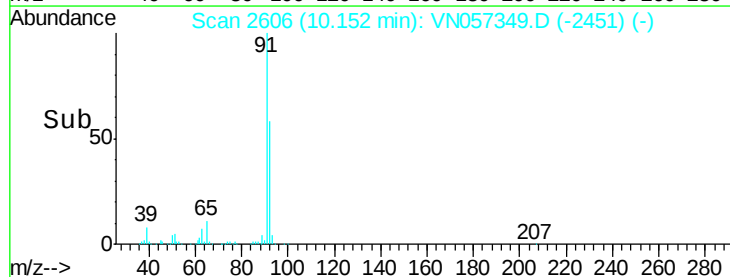
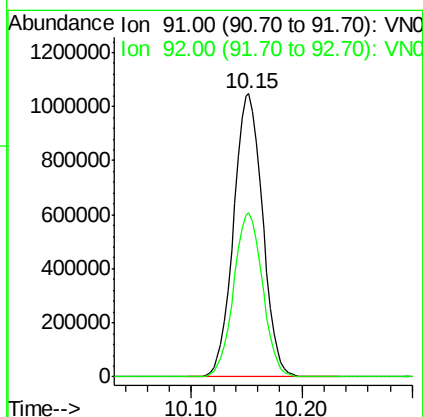
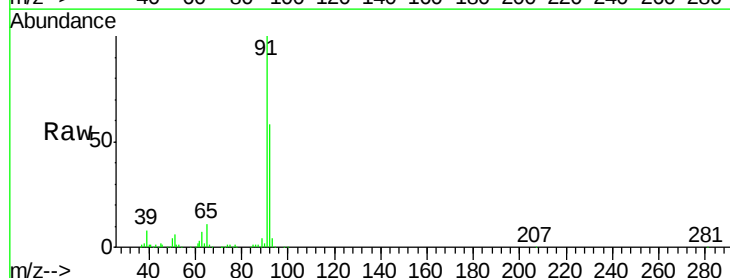
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

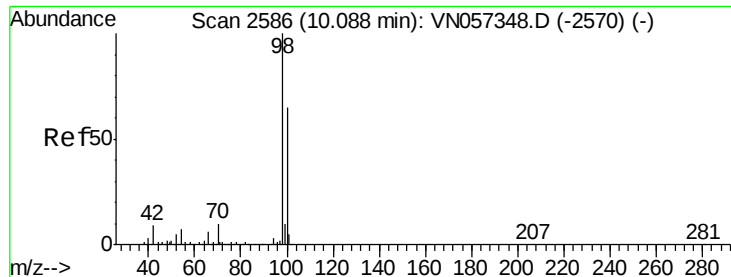
Tot Ion:164 Resp: 504253
Ion Ratio Lower Upper
164 100
166 128.0 102.3 153.5
129 89.3 72.6 108.8
131 84.6 71.4 107.2



#62
Toluene
Concen: 48.841 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

Tgt Ion: 91 Resp: 1909394
Ion Ratio Lower Upper
91 100
92 57.7 46.7 70.1





#63

Toluene-d8

Concen: 29.902 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

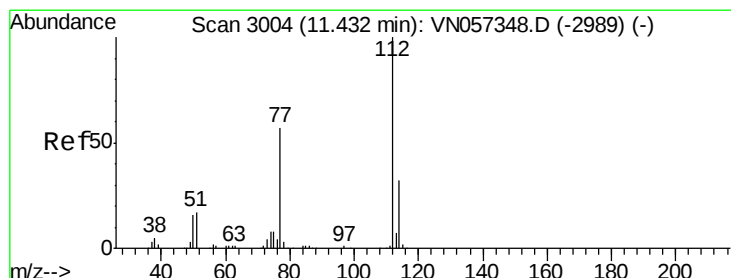
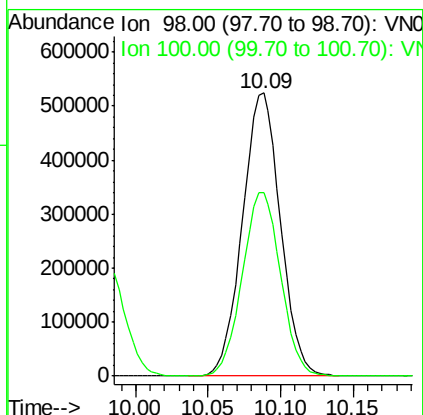
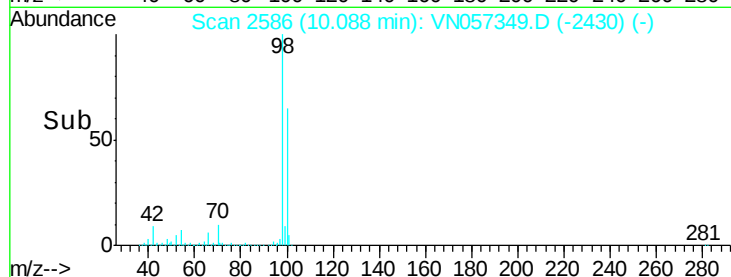
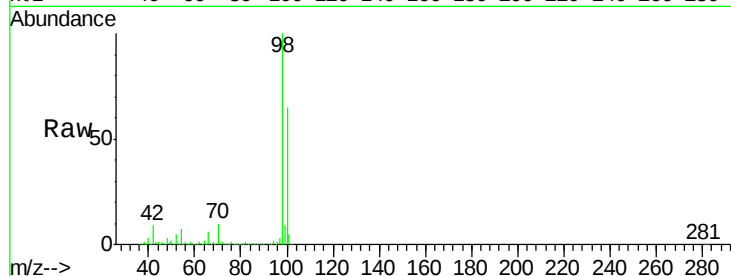
VSTDIC050

Tot Ion: 98 Resp: 955959

Ion Ratio Lower Upper

98 100

100 65.3 51.1 76.7



#64

Chlorobenzene

Concen: 49.328 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057349.D

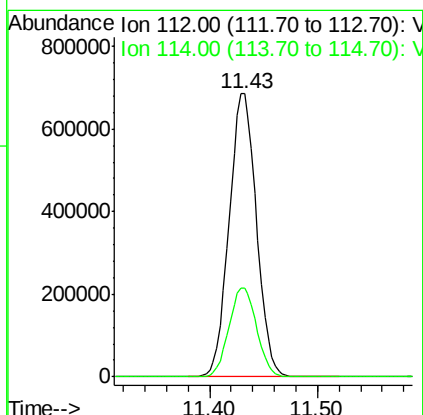
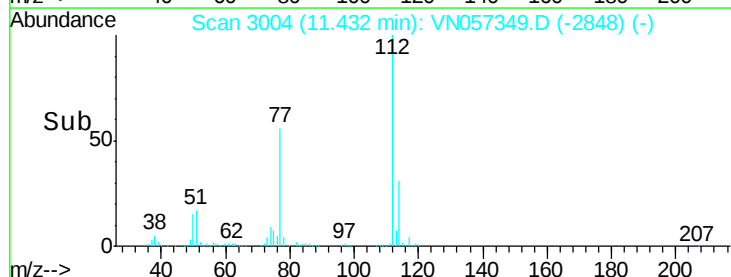
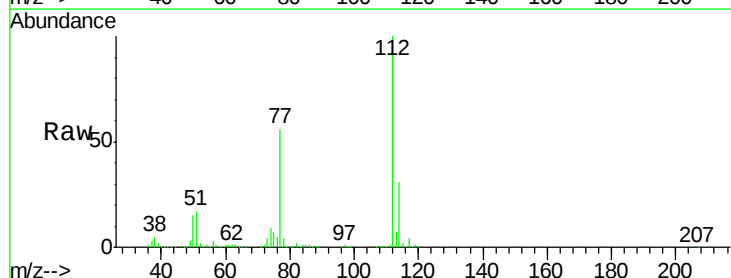
Acq: 16 Aug 2019 12:17

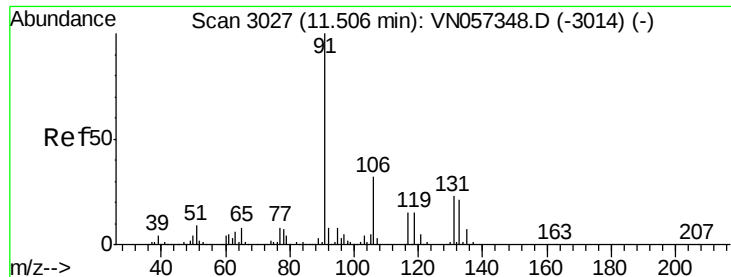
Tgt Ion: 112 Resp: 1211427

Ion Ratio Lower Upper

112 100

114 31.4 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 49.046 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

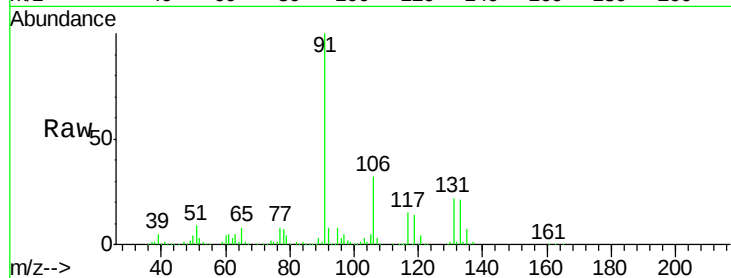
Tot Ion:131 Resp: 468202

Ion Ratio Lower Upper

131 100

133 95.0 0.0 191.4

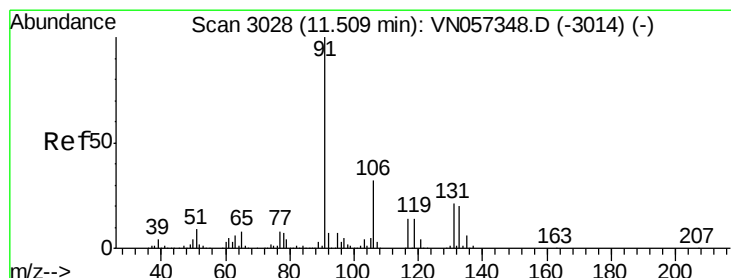
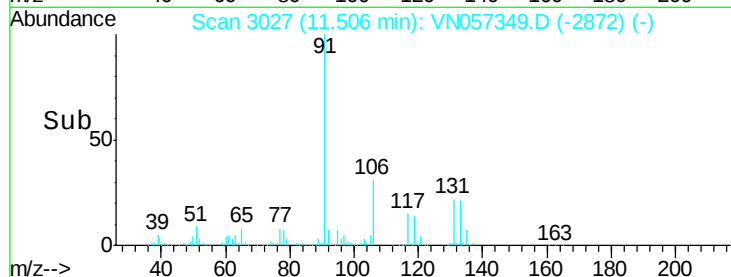
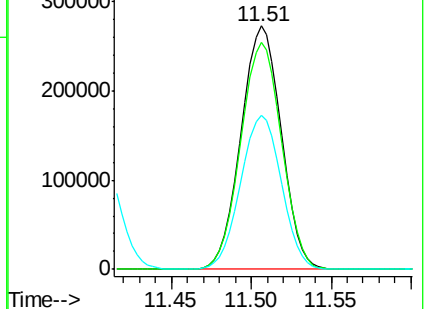
119 64.2 0.0 133.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 49.310 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057349.D

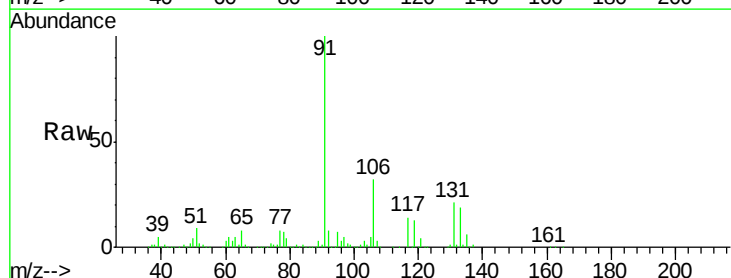
Acq: 16 Aug 2019 12:17

Tgt Ion: 91 Resp: 2106092

Ion Ratio Lower Upper

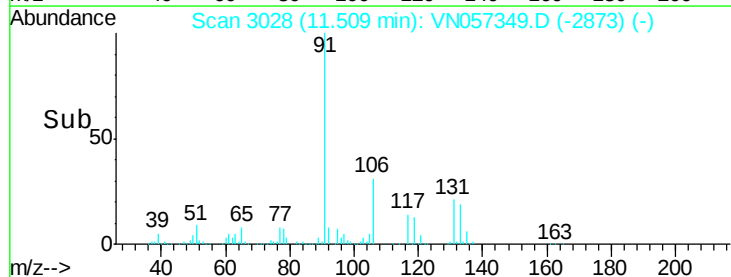
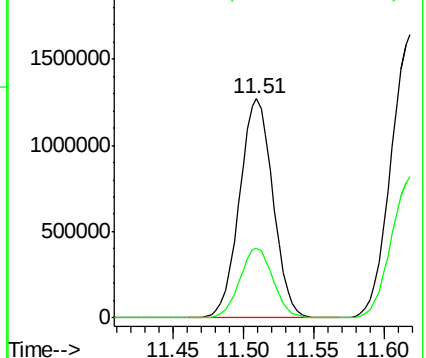
91 100

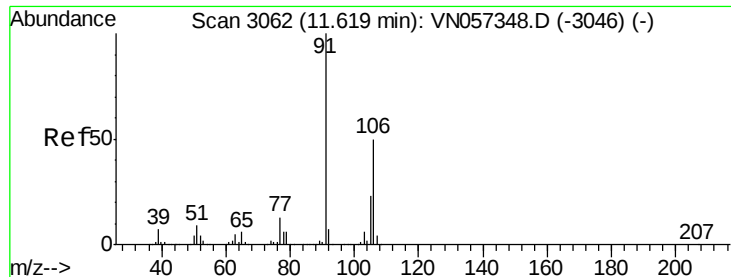
106 32.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 99.189 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

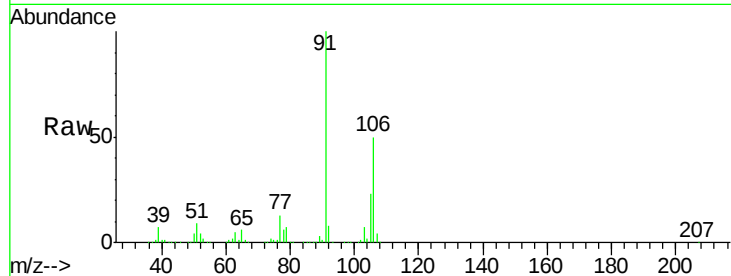
VSTDIC050

Tot Ion:106 Resp: 1585613

Ion Ratio Lower Upper

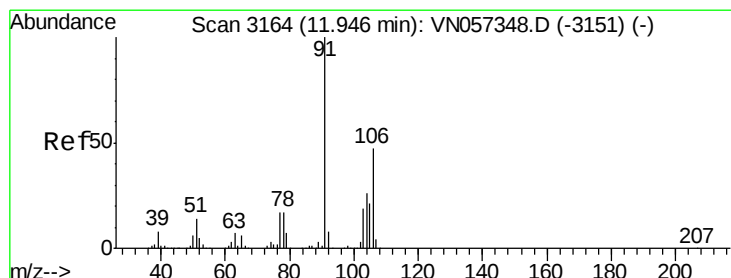
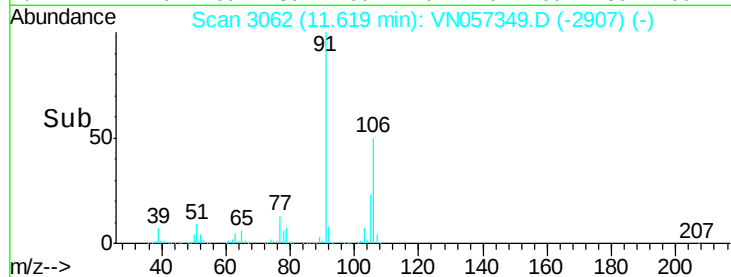
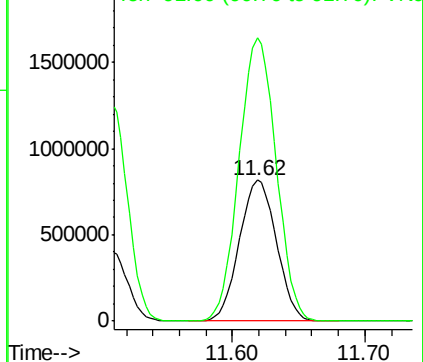
106 100

91 200.8 161.8 242.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 49.069 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057349.D

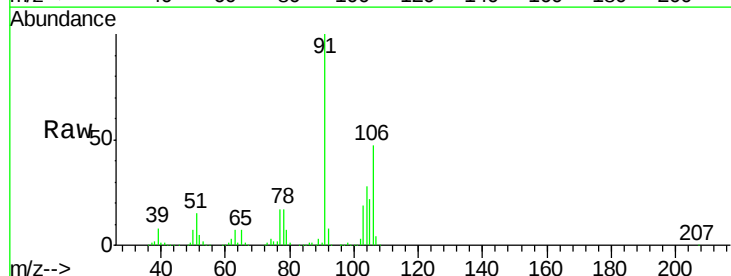
Acq: 16 Aug 2019 12:17

Tgt Ion:106 Resp: 766831

Ion Ratio Lower Upper

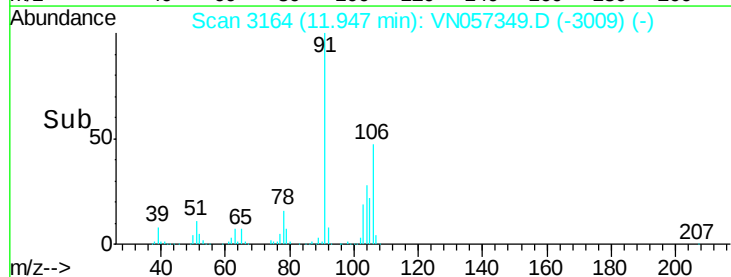
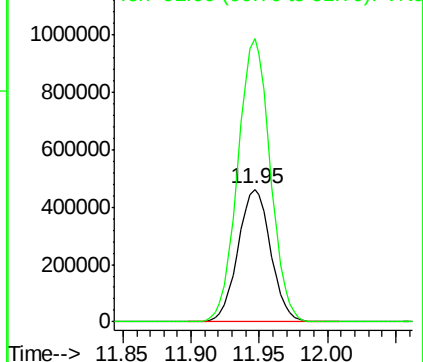
106 100

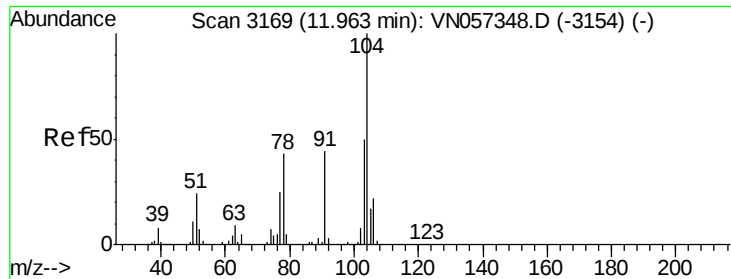
91 212.0 108.1 324.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

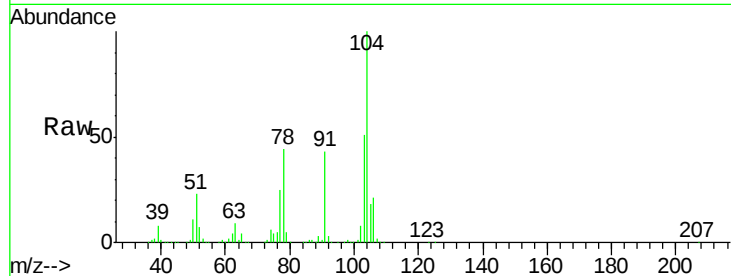




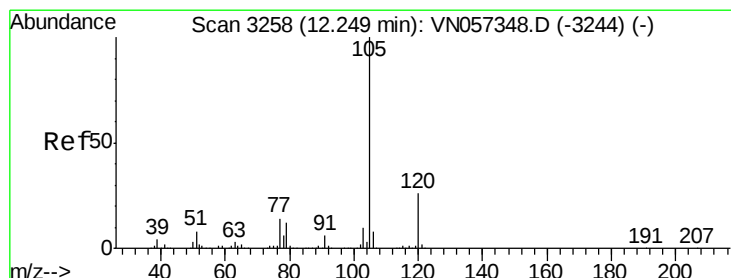
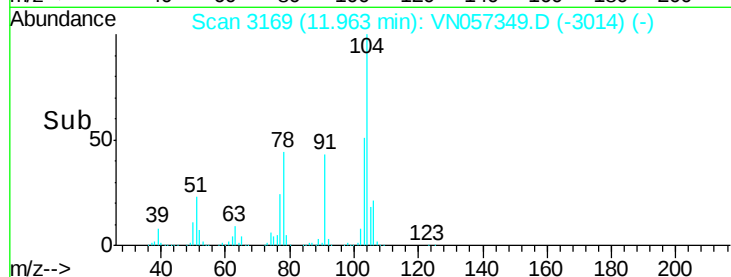
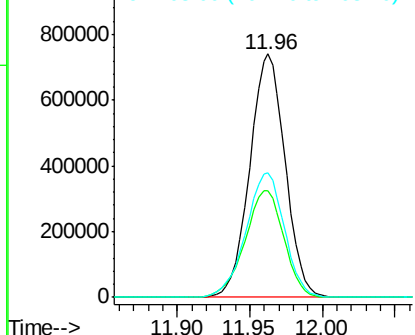
#69
Stvrene
Concen: 50.123 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:104 Resp: 1258429
Ion Ratio Lower Upper
104 100
78 48.3 38.7 58.1
103 55.5 45.0 67.4

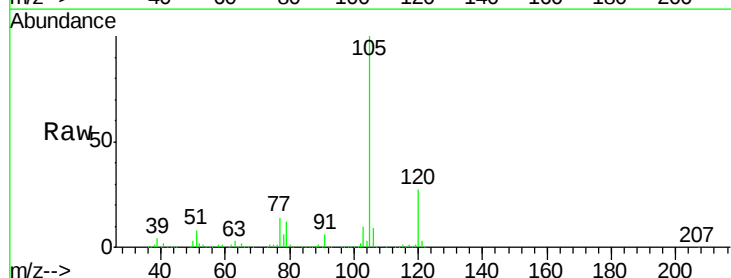


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

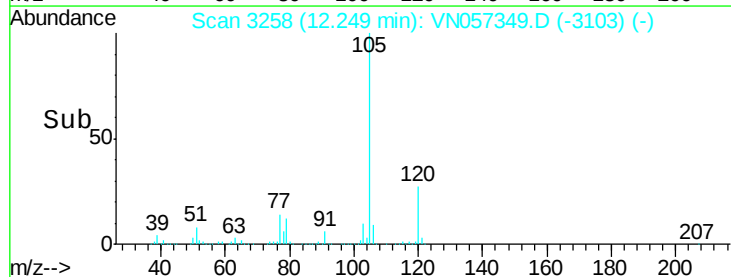
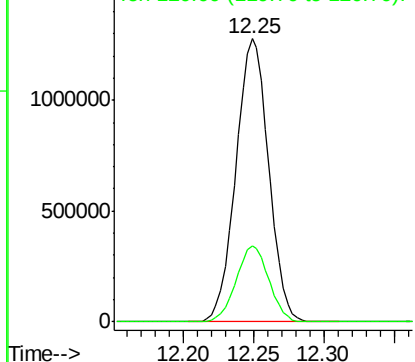


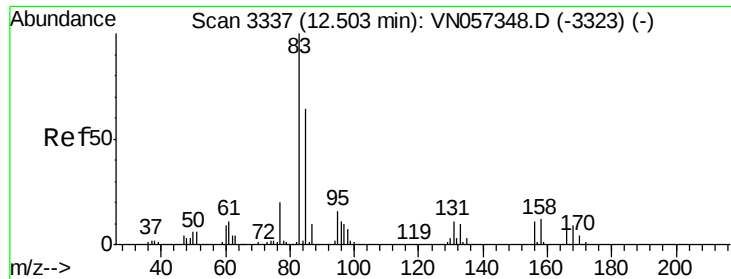
#70
Isopropylbenzene
Concen: 49.539 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN057349.D
Acq: 16 Aug 2019 12:17

Tgt Ion:105 Resp: 2075534
Ion Ratio Lower Upper
105 100
120 26.9 18.6 34.5



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

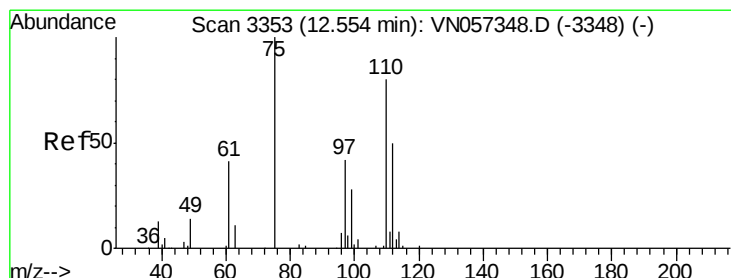
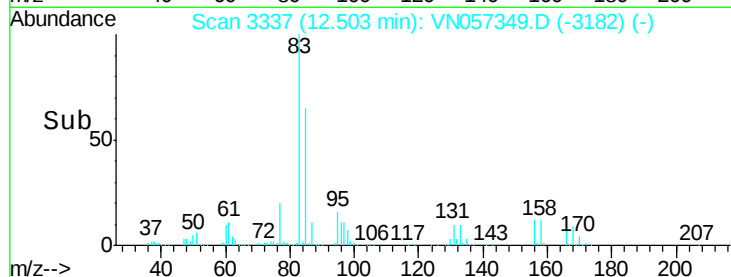
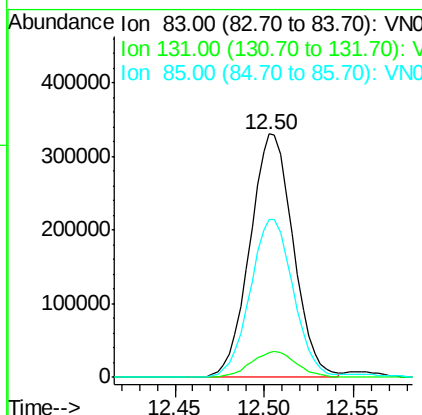
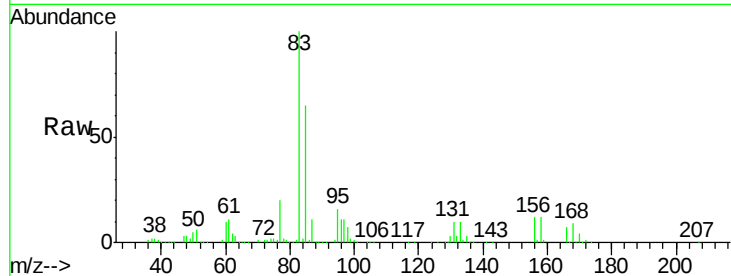




#71
 1,1,2,2-Tetrachloroethane
 Concen: 48.832 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

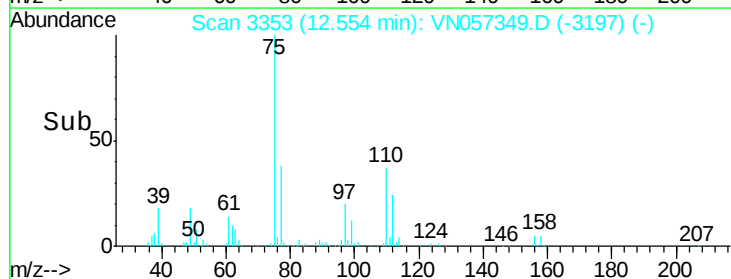
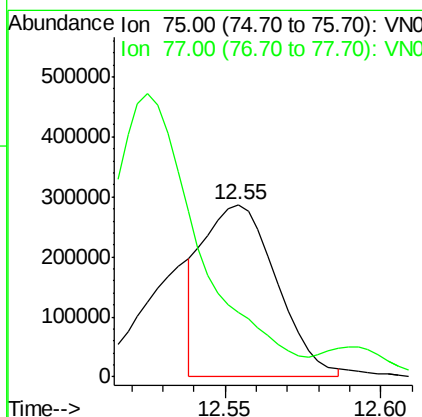
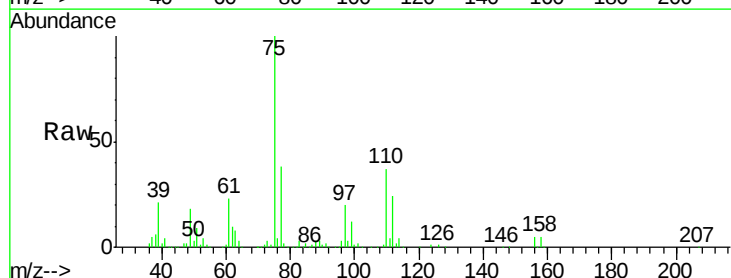
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

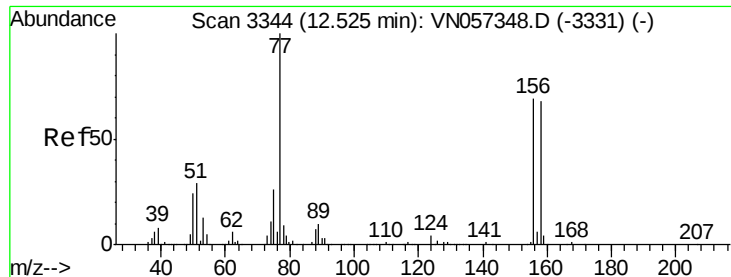
Tot Ion: 83 Resp: 560443
 Ion Ratio Lower Upper
 83 100
 131 11.2 5.1 15.3
 85 64.8 31.9 95.7



#72
 1,2,3-Trichloropropane
 Concen: 48.533 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

Tgt Ion: 75 Resp: 470057
 Ion Ratio Lower Upper
 75 100
 77 203.6 0.0 352.2





#73

Bromobenzene

Concen: 49.837 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

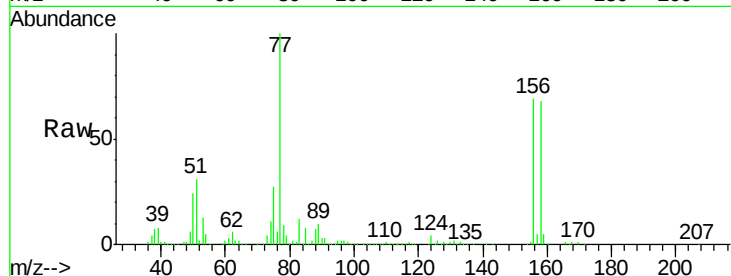
Tot Ion:156 Resp: 553310

Ion Ratio Lower Upper

156 100

77 172.9 0.0 381.8

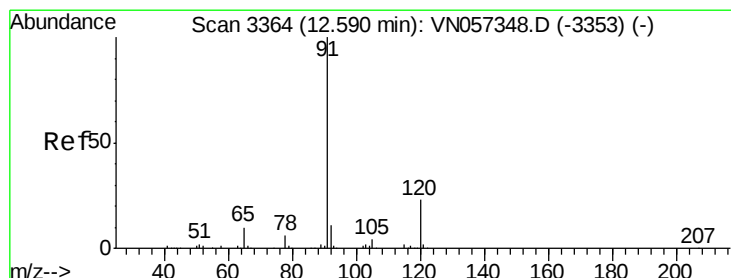
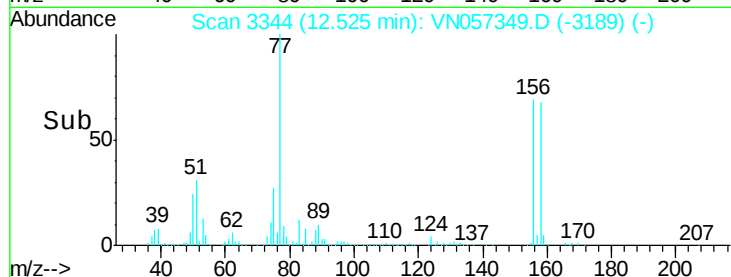
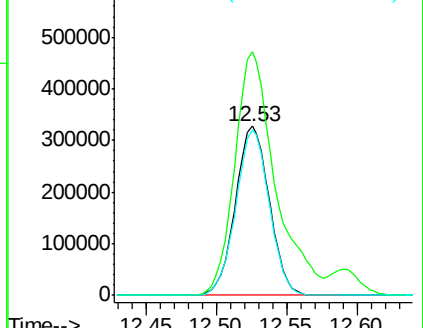
158 96.5 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 50.003 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057349.D

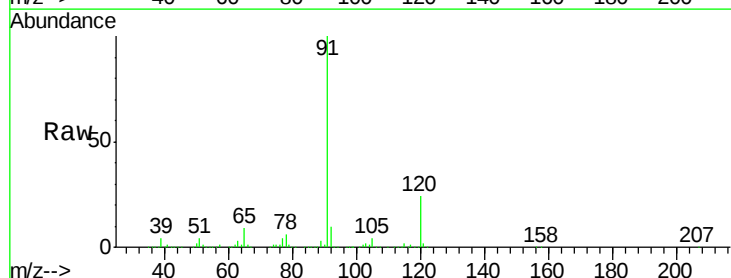
Acq: 16 Aug 2019 12:17

Tgt Ion: 91 Resp: 2176085

Ion Ratio Lower Upper

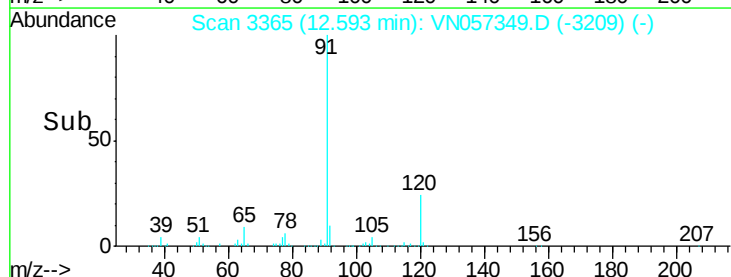
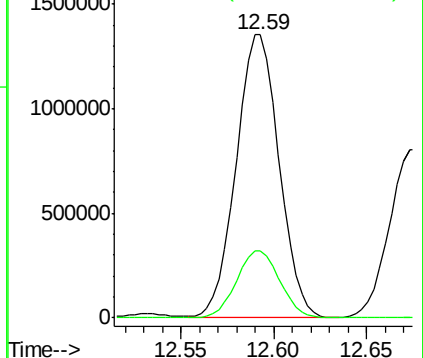
91 100

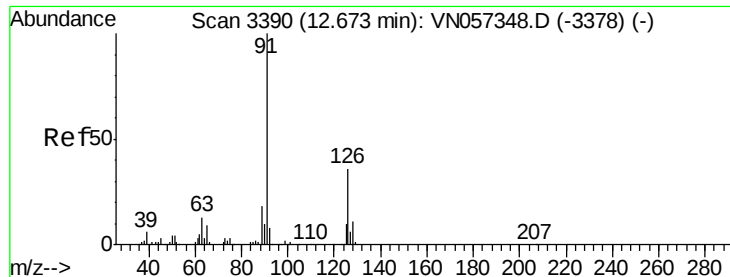
120 23.8 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 49.963 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

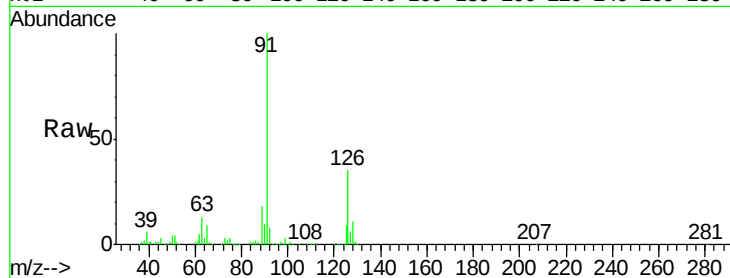
VSTDIC050

Tot Ion: 91 Resp: 1349312

Ion Ratio Lower Upper

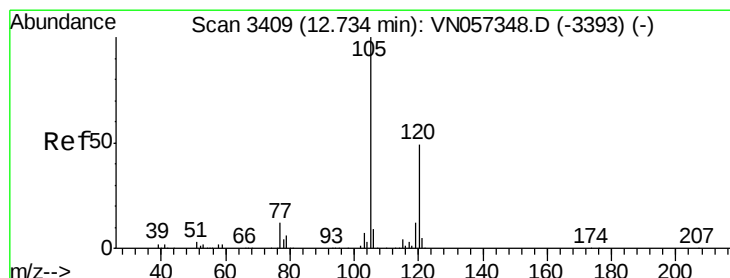
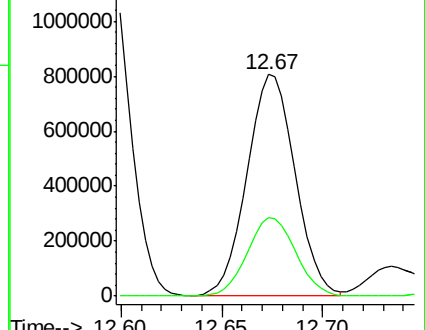
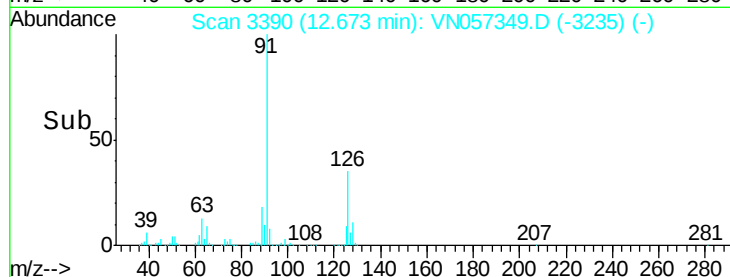
91 100

126 35.7 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN057349.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN057349.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 49.725 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057349.D

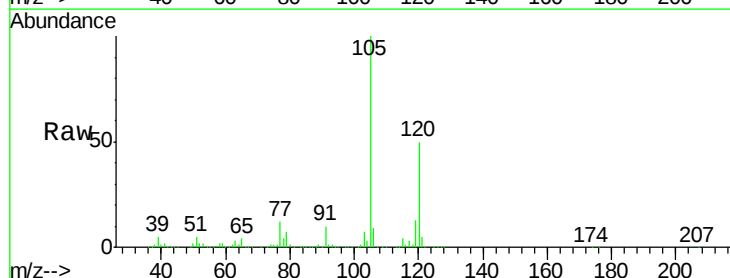
Acq: 16 Aug 2019 12:17

Tgt Ion: 105 Resp: 1732727

Ion Ratio Lower Upper

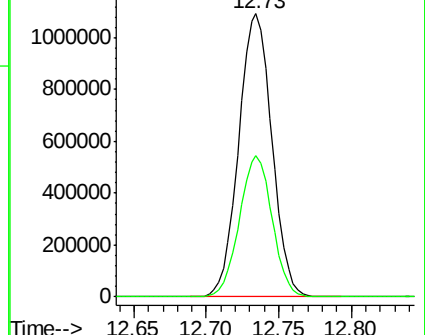
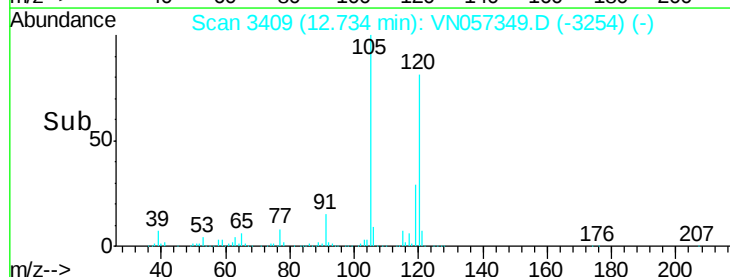
105 100

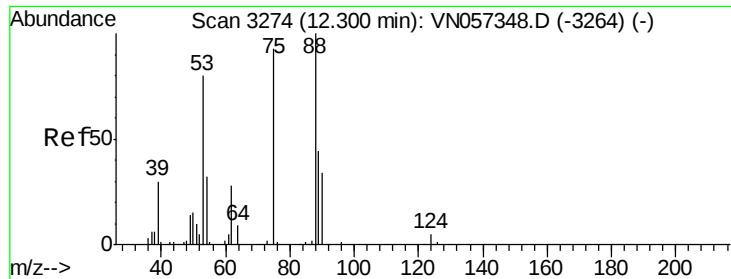
120 49.2 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN057349.D (-3254) (-)

Ion 120.00 (119.70 to 120.70): VN057349.D (-3254) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 50.039 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

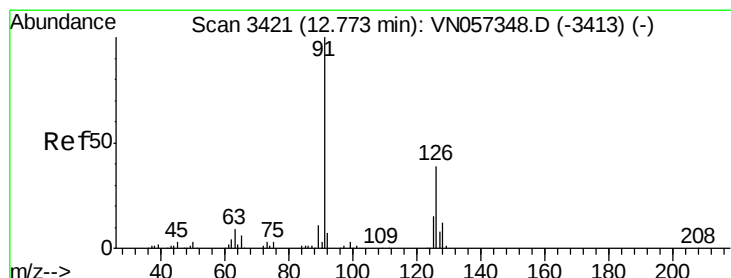
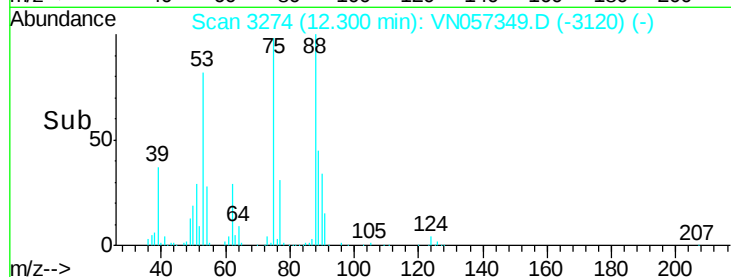
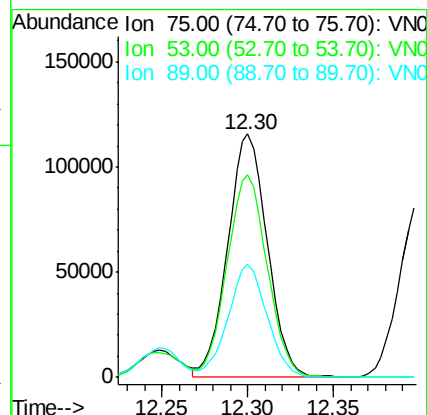
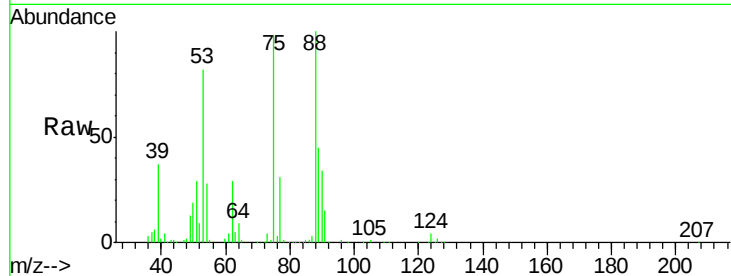
Tot Ion: 75 Resp: 185968

Ion Ratio Lower Upper

75 100

53 83.1 48.6 145.8

89 46.3 21.3 64.0



#78

4-Chlorotoluene

Concen: 49.289 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057349.D

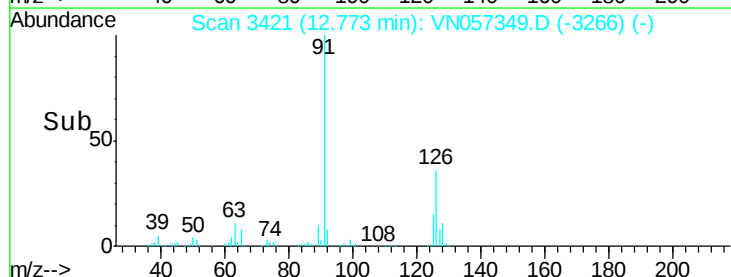
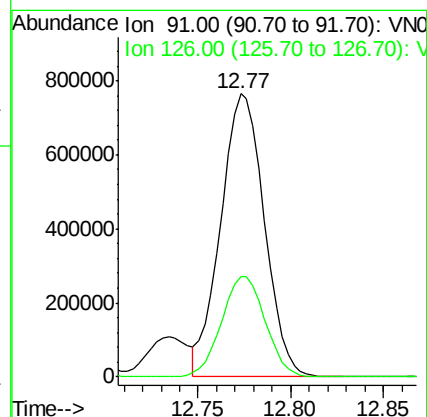
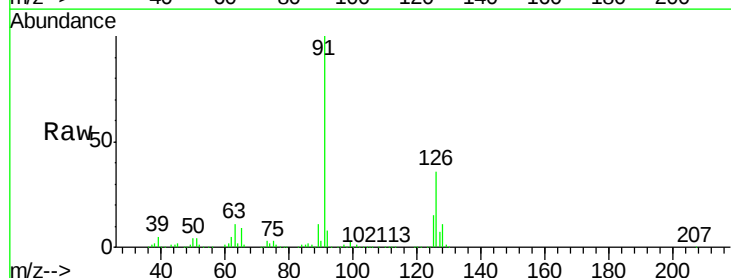
Acq: 16 Aug 2019 12:17

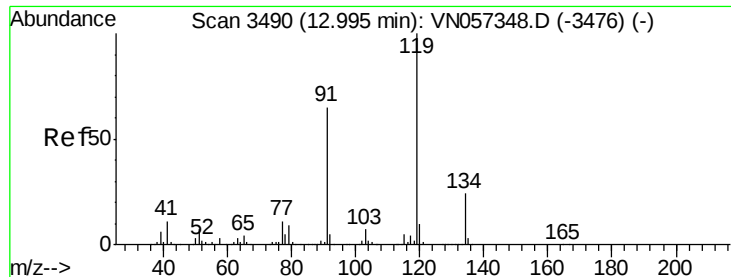
Tgt Ion: 91 Resp: 1245440

Ion Ratio Lower Upper

91 100

126 35.7 0.0 69.4





#79

tert-butylbenzene

Concen: 48.814 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

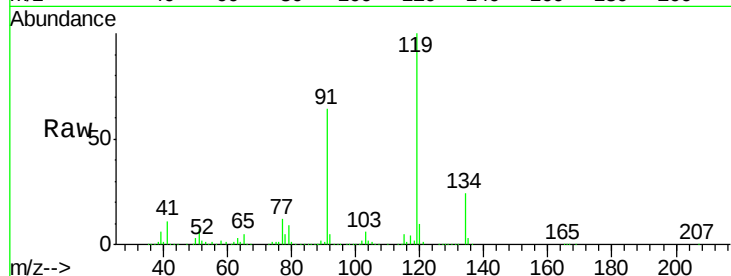
Tot Ion:119 Resp: 1515762

Ion Ratio Lower Upper

119 100

91 62.7 0.0 125.4

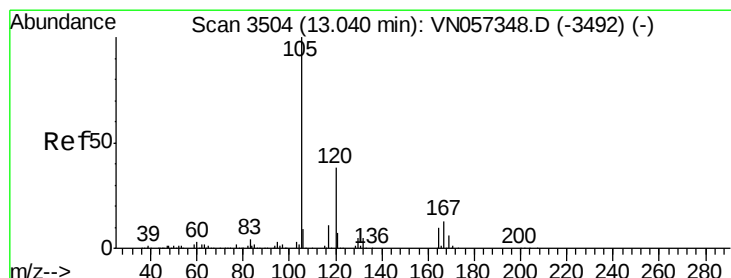
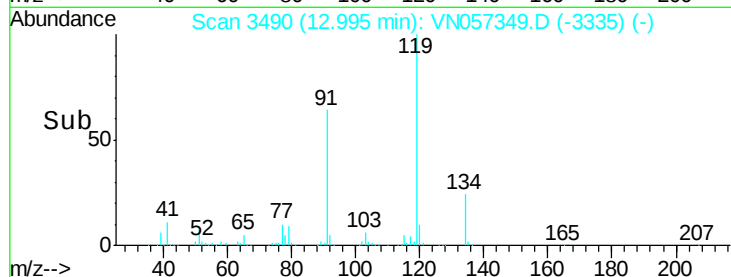
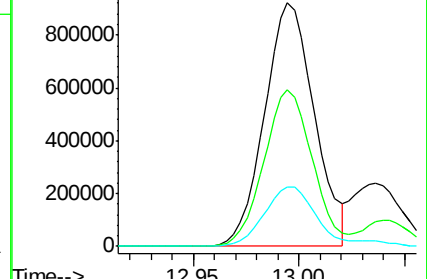
134 24.9 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 49.966 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN057349.D

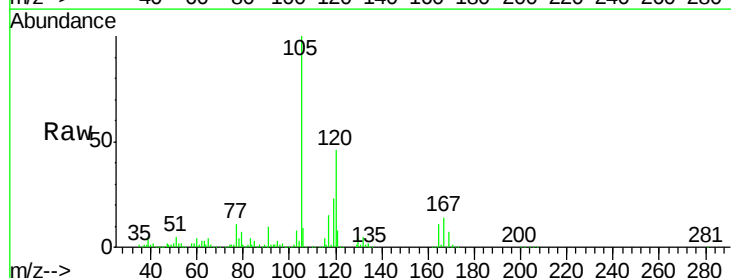
Acq: 16 Aug 2019 12:17

Tgt Ion:105 Resp: 1642305

Ion Ratio Lower Upper

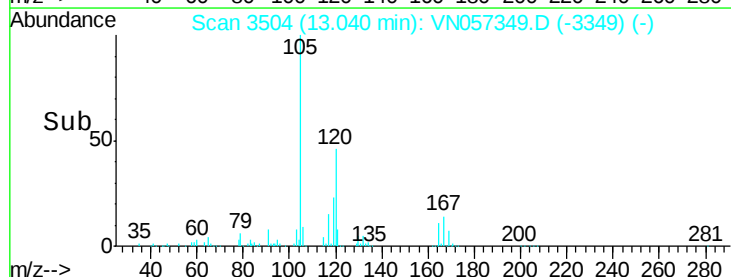
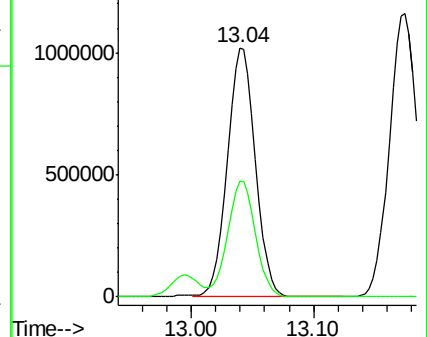
105 100

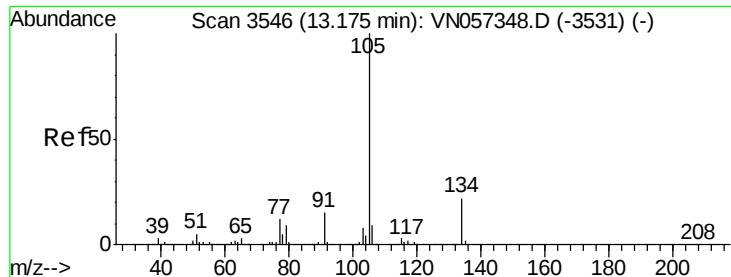
120 46.0 0.0 91.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

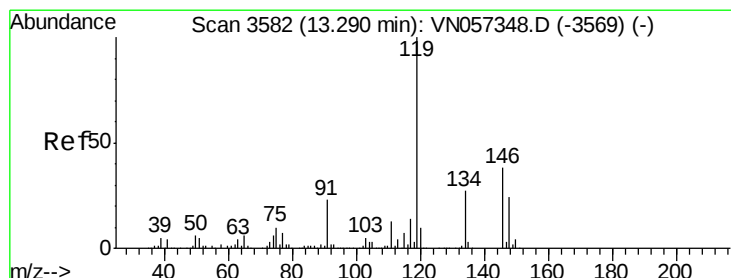
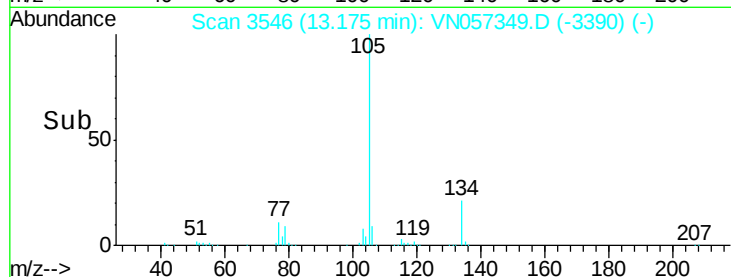
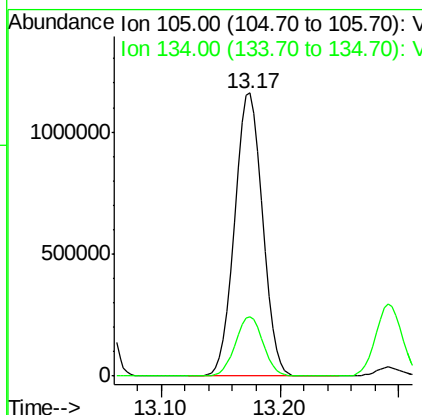
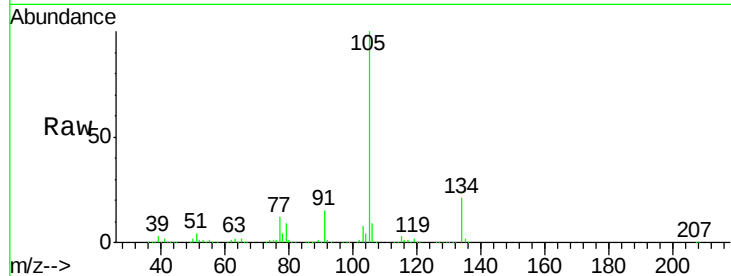




#81
 sec-Butylbenzene
 Concen: 49.242 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

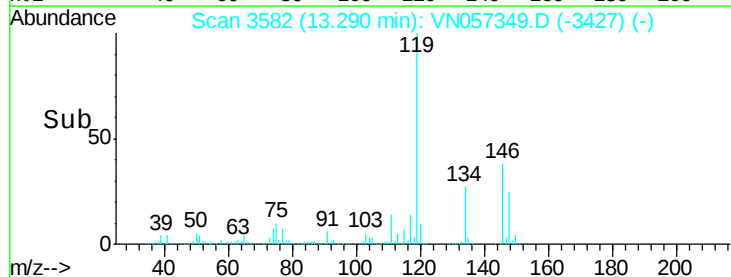
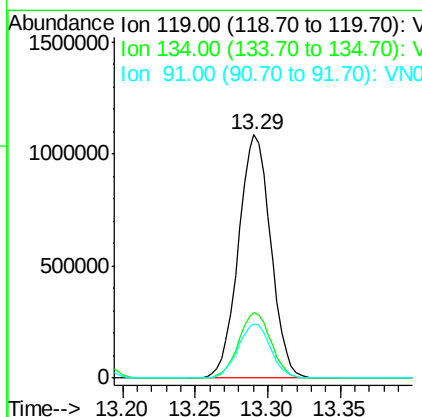
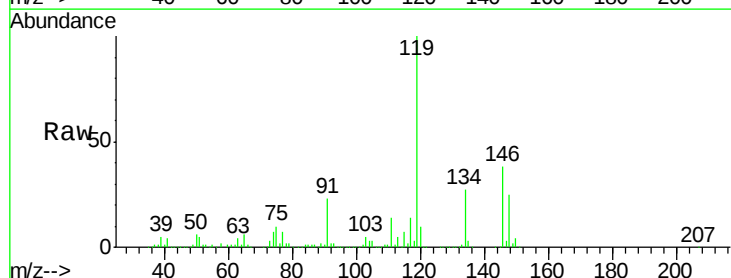
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

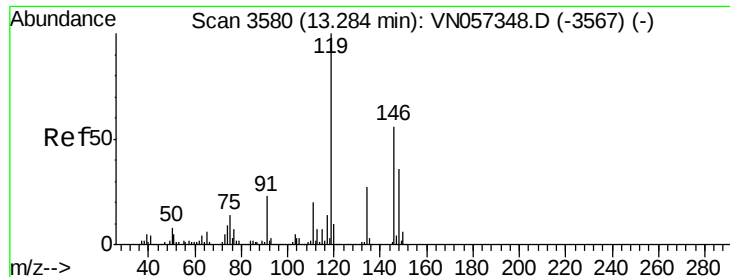
Tot Ion:105 Resp: 1884816
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 48.810 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

Tgt Ion:119 Resp: 1673754
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 52.8
 91 22.5 0.0 45.4

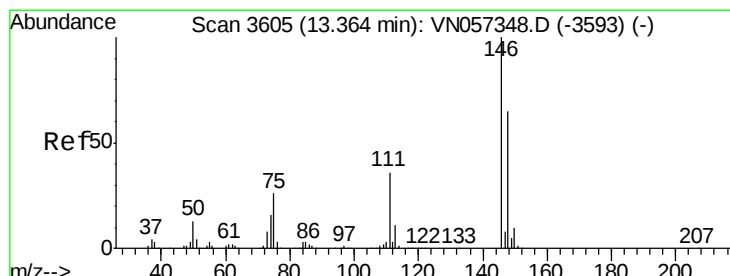
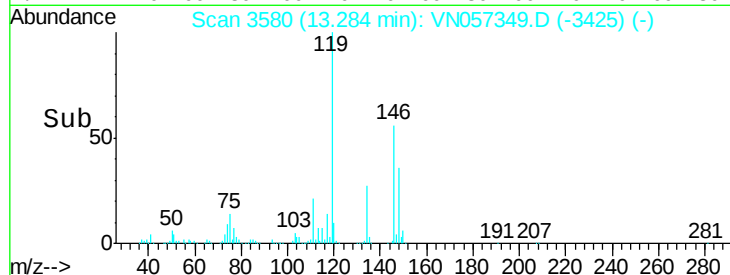
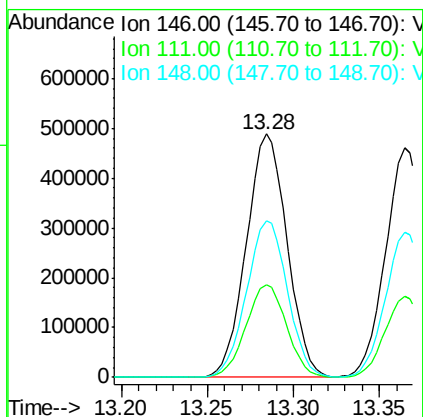
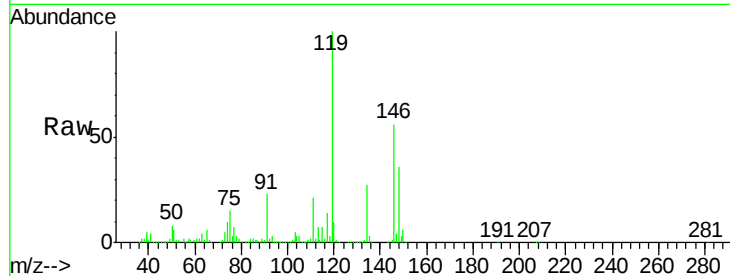




#83
 1,3-Dichlorobenzene
 Concen: 49.393 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

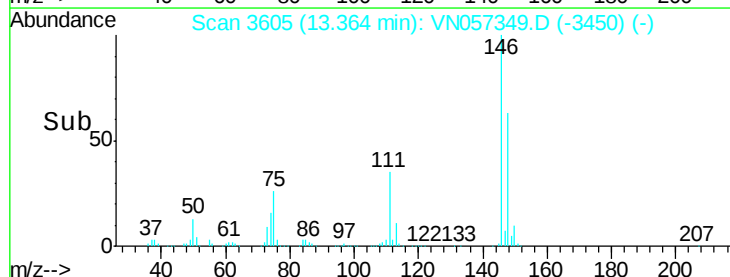
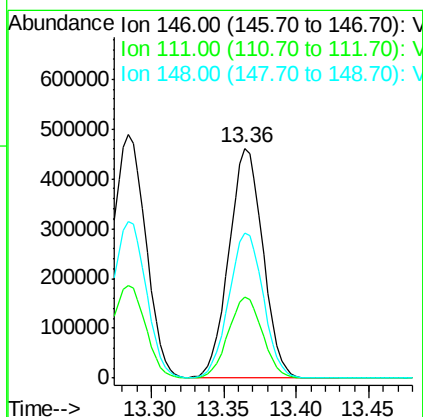
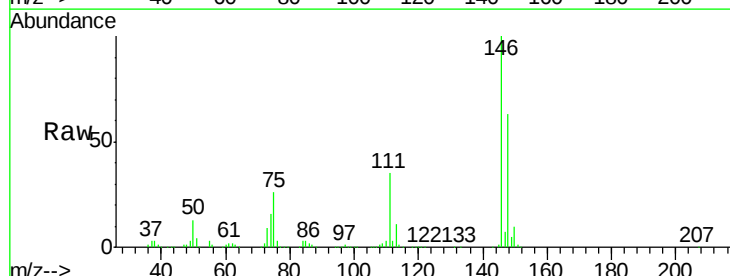
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

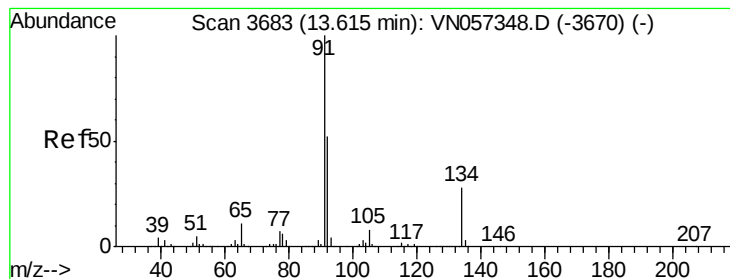
Tot Ion:146 Resp: 803283
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.7 56.1
 148 64.5 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 49.298 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

Tgt Ion:146 Resp: 748374
 Ion Ratio Lower Upper
 146 100
 111 35.5 17.8 53.4
 148 64.2 31.9 95.5





#85

n-Butylbenzene

Concen: 50.578 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

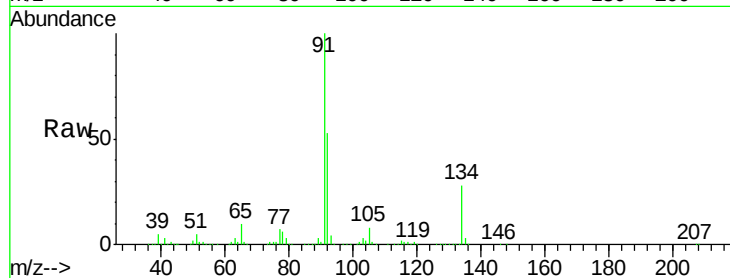
Tot Ion: 91 Resp: 1289648

Ion Ratio Lower Upper

91 100

92 52.8 0.0 104.0

134 27.9 0.0 53.2

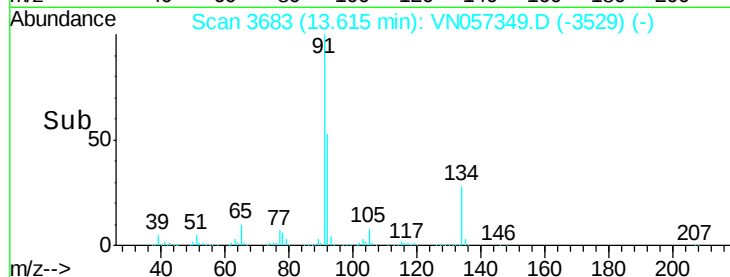


Abundance Ion 91.00 (90.70 to 91.70): VN057348.D (-3670) (-)

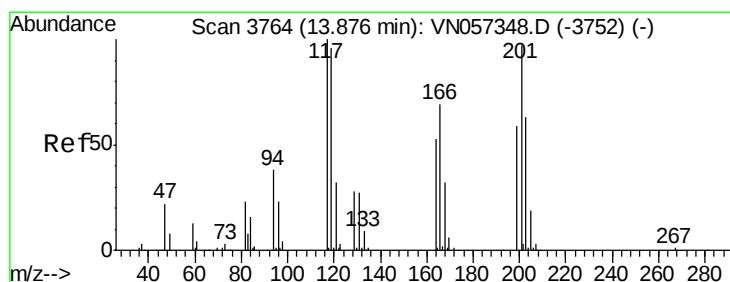
Ion 92.00 (91.70 to 92.70): VN057348.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN057348.D (-3670) (-)

Time-->



Time-->



#86

Hexachloroethane

Concen: 49.031 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057349.D

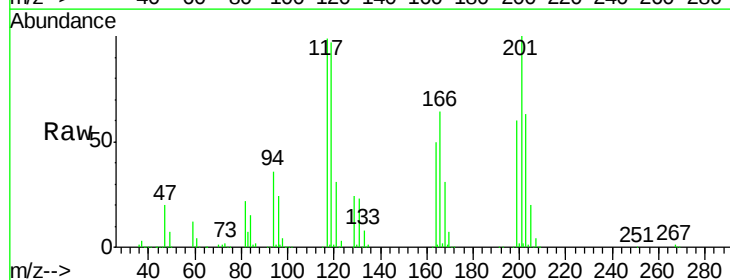
Acq: 16 Aug 2019 12:17

Tgt Ion: 117 Resp: 323608

Ion Ratio Lower Upper

117 100

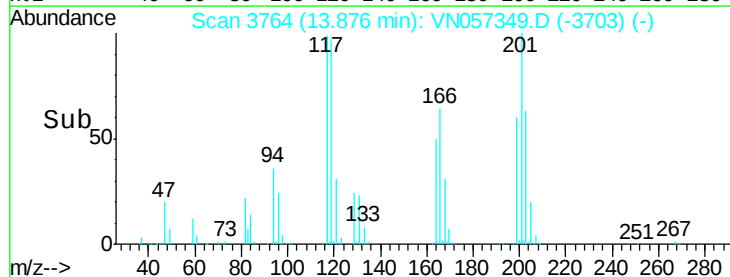
201 100.6 45.6 136.7



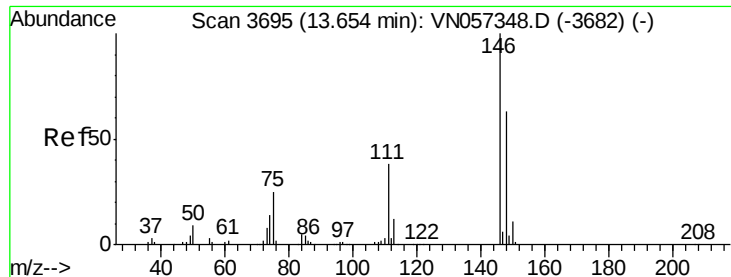
Abundance Ion 117.00 (116.70 to 117.70): VN057348.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN057348.D (-3752) (-)

Time-->



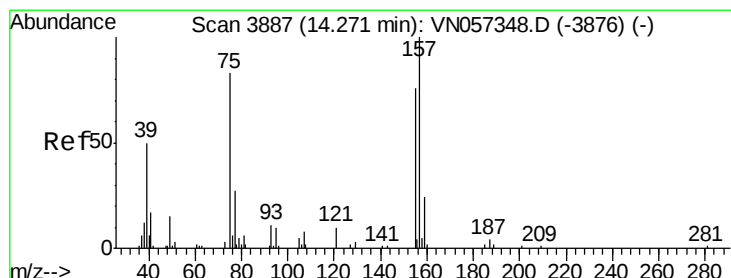
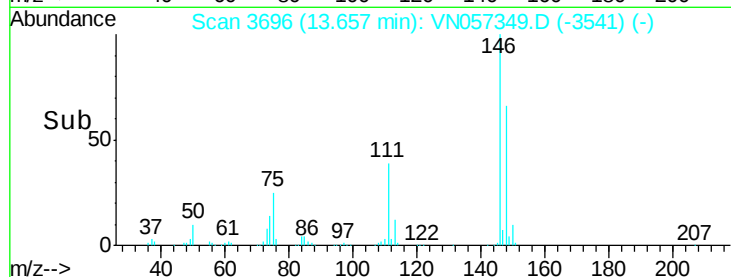
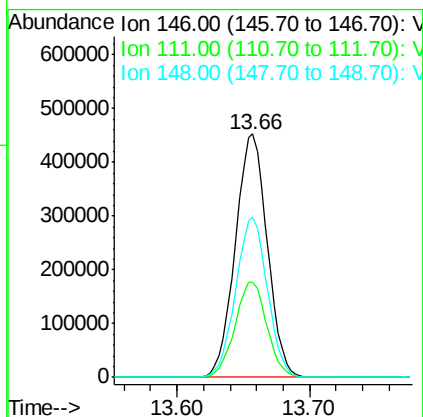
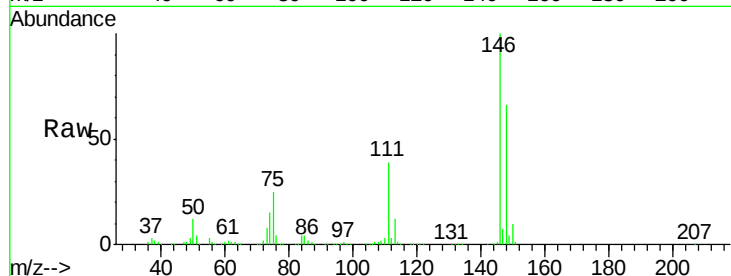
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 49.250 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

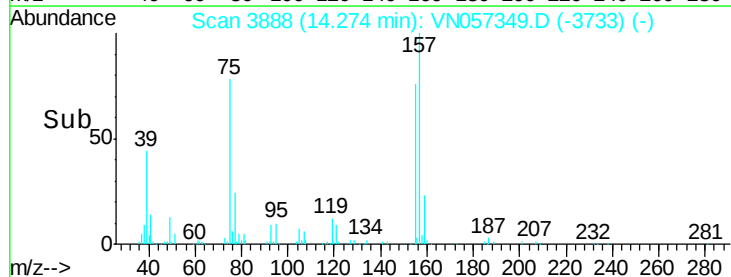
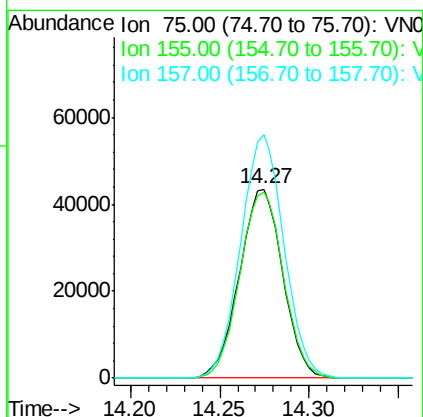
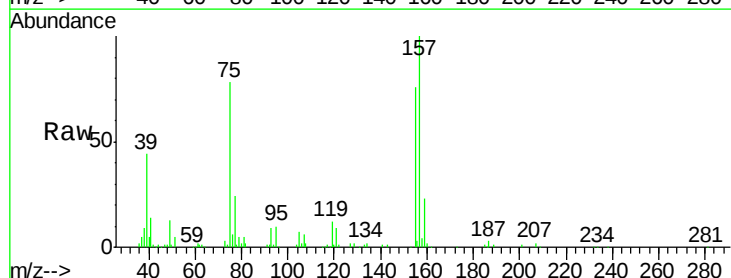
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

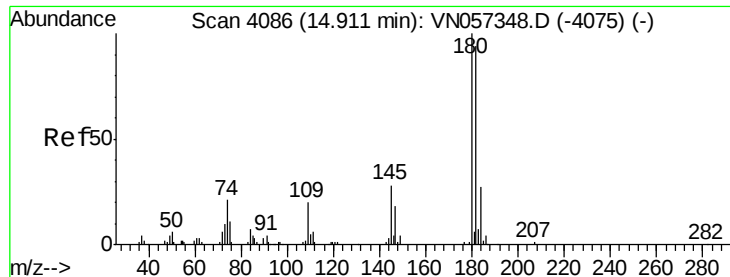
Tot Ion:146 Resp: 756682
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.7 59.0
 148 65.3 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 47.920 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

Tgt Ion: 75 Resp: 73715
 Ion Ratio Lower Upper
 75 100
 155 99.0 78.6 117.8
 157 129.0 99.3 148.9

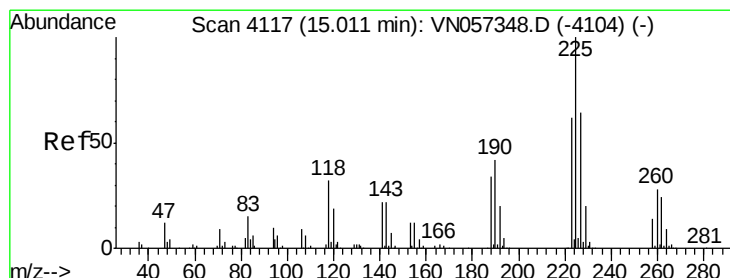
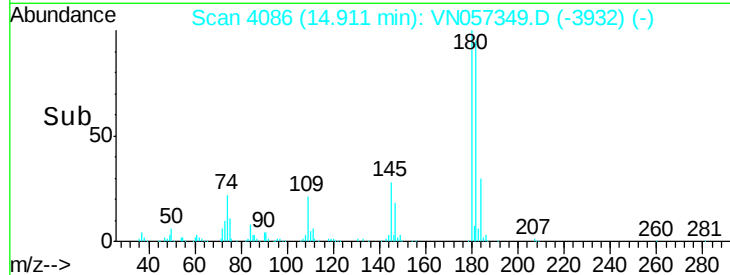
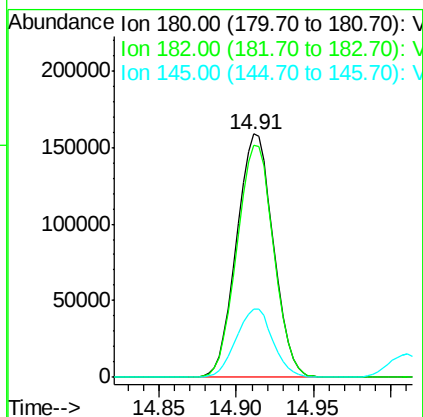
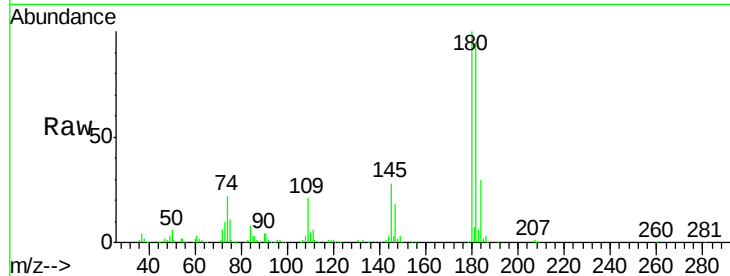




#89
 1,2,4-Trichlorobenzene
 Concen: 48.145 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

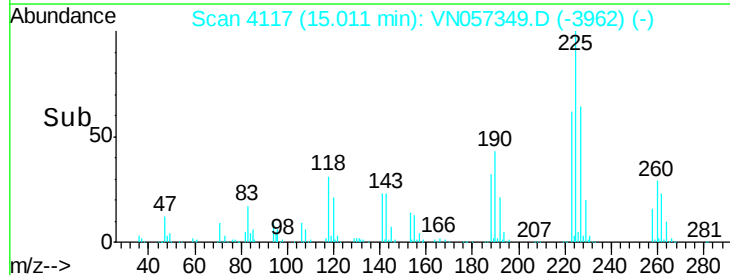
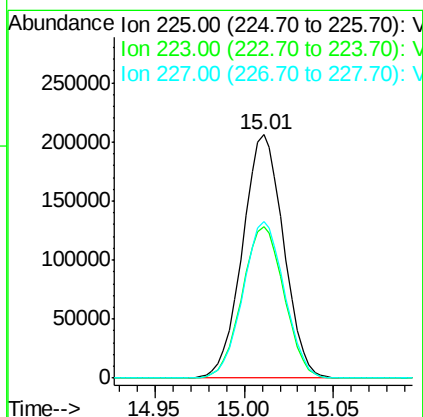
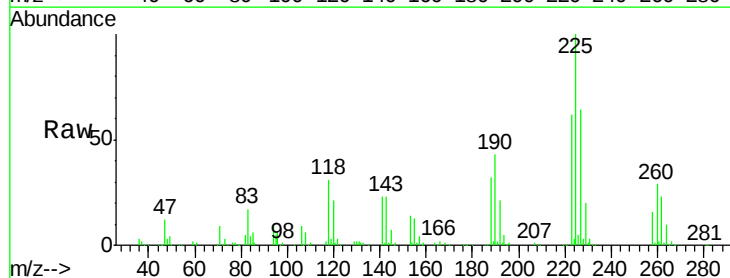
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

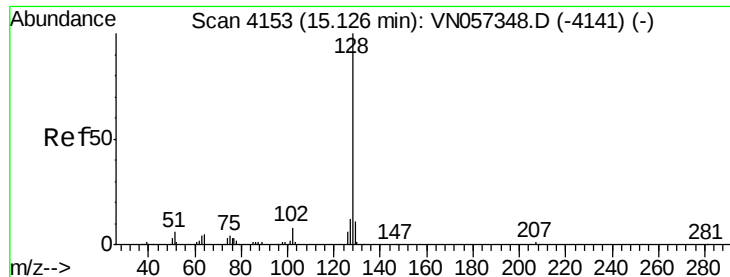
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.2	117.4
145	28.1	23.2	34.8



#90
 Hexachlorobutadiene
 Concen: 47.917 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057349.D
 Acq: 16 Aug 2019 12:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	0.0	124.6
227	64.8	0.0	128.6





#91

Naphthalene

Concen: 44.361 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

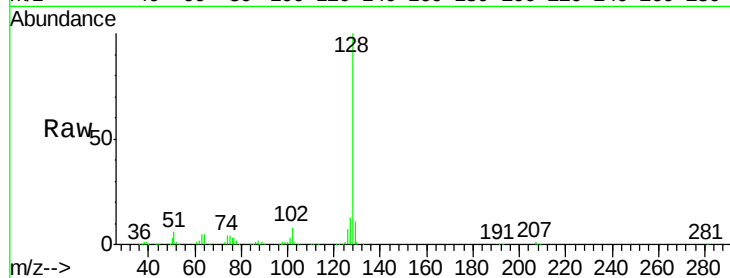
Tot Ion:128 Resp: 521214

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.8 13.2

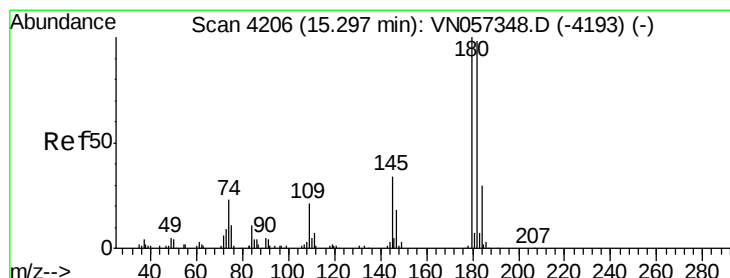
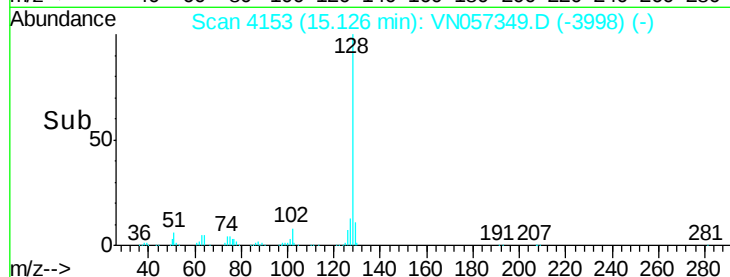
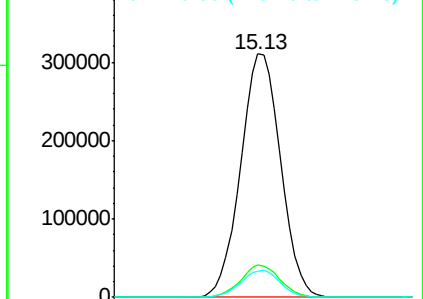


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 47.376 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057349.D

Acq: 16 Aug 2019 12:17

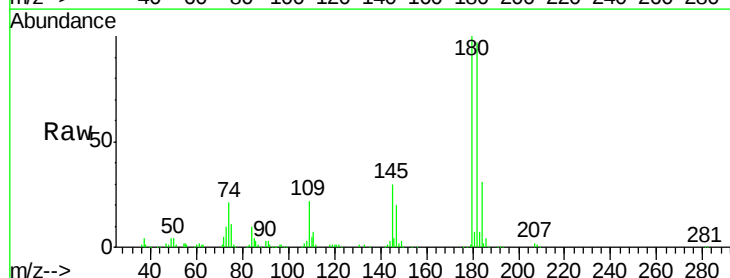
Tgt Ion:180 Resp: 244187

Ion Ratio Lower Upper

180 100

182 95.3 0.0 192.4

145 29.8 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

