

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
 Data File : VN053283.D
 Acq On : 4 Jan 2019 15:46
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jan 05 00:04:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	138792	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	793817	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	718280	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	267439	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	336612	30.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.10%
63) Toluene-d8	10.09	98	965745	29.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	193348	20.908	ug/l 100
3) Chloromethane	2.06	50	219328	20.208	ug/l 99
4) Vinyl Chloride	2.19	62	211865	19.837	ug/l 98
5) Bromomethane	2.58	94	114591	16.641	ug/l 98
6) Chloroethane	2.71	64	121261	19.710	ug/l 99
7) Trichlorofluoromethane	3.03	101	271880	20.613	ug/l 99
8) Diethyl Ether	3.41	74	99047	20.213	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	170616	20.589	ug/l 97
10) 1,1-Dichloroethene	3.74	96	158022	19.540	ug/l 96
11) Methyl Iodide	3.96	142	186107	15.714	ug/l 100
12) Methyl Acetate	4.33	43	141991	22.527	ug/l 94
13) Acrolein	3.61	56	59514	79.082	ug/l 99
14) Acrylonitrile	4.99	53	315539	111.899	ug/l 98
15) Acetone	3.82	58	73472	122.597	ug/l 92
16) Carbon Disulfide	4.06	76	480505	19.314	ug/l 99
17) Allyl chloride	4.33	41	234922	18.466	ug/l 98
18) Methylene Chloride	4.55	84	184165	19.898	ug/l 94
19) trans-1,2-Dichloroethene	5.04	96	168084	19.667	ug/l 91
20) Diisopropyl ether	5.95	45	552175	20.267	ug/l 99
21) 1,1-Dichloroethane	5.85	63	318561	20.081	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	195177	20.273	ug/l 95
23) tert-Butyl Alcohol	4.77	59	55172	116.063	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	439127	20.824	ug/l 96
25) Chloroform	7.37	83	308335	20.221	ug/l 97
26) Cyclohexane	7.66	56	294539	19.907	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	244452	20.330	ug/l 99
30) 2-Butanone	6.83	43	350157	116.723	ug/l 97
31) 2,2-Dichloropropane	6.83	77	197807	16.993	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	258552	20.523	ug/l 97
33) Carbon Tetrachloride	7.77	117	225610	20.458	ug/l 98
34) Benzene	8.04	78	734763	20.333	ug/l 97
35) Methacrylonitrile	7.17	41	91151	23.547	ug/l 95
36) 1,2-Dichloroethane	8.12	62	218753	20.852	ug/l 98
37) Trichloroethene	8.83	130	201452	20.578	ug/l 94
38) Methylcyclohexane	9.08	83	283700	20.172	ug/l 97
39) 1,2-Dichloropropane	9.12	63	193257	20.480	ug/l 98
40) Dibromomethane	9.21	93	113929	21.349	ug/l 96

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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	234501	20.462	ug/l	98
42) Vinyl Acetate	5.90	43	1748958	106.863	ug/l	97
43) Ethyl Acetate	6.93	43	151950	22.681	ug/l #	65
44) Isopropyl Acetate	8.16	43	274852	22.024	ug/l #	78
45) 1,4-Dioxane	9.20	88	33553	439.673	ug/l	95
46) Methyl methacrylate	9.20	41	136899	21.714	ug/l	95
47) n-amyl Acetate	12.07	43	256449	23.399	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	230077	19.670	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	273594	19.864	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	164072	21.443	ug/l	98
51) Ethyl methacrylate	10.43	69	213397	21.399	ug/l	92
52) 1,3-Dichloropropane	10.71	76	281173	21.332	ug/l	99
53) Dibromochloromethane	10.90	129	179446	20.881	ug/l	99
54) 1,2-Dibromoethane	11.00	107	163331	21.160	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	611488	106.847	ug/l	99
56) Bromoform	12.13	173	124655	21.204	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	798072	116.601	ug/l	98
59) 2-Hexanone	10.75	43	541338	114.565	ug/l	97
61) Tetrachloroethene	10.63	164	222590	20.970	ug/l	96
62) Toluene	10.16	91	804419	20.420	ug/l	100
64) Chlorobenzene	11.43	112	507487	20.530	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	178297	20.562	ug/l	98
66) Ethyl Benzene	11.51	91	870164	20.370	ug/l	99
67) m/p-Xylenes	11.62	106	670861	41.523	ug/l	98
68) o-Xylene	11.95	106	320553	20.475	ug/l	99
69) Styrene	11.96	104	531134	20.784	ug/l	99
70) Isopropylbenzene	12.25	105	851387	20.669	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	188322	21.718	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	245946	32.389	ug/l	46
73) Bromobenzene	12.53	156	221253	20.896	ug/l	94
74) n-propylbenzene	12.59	91	991148	21.256	ug/l	98
75) 2-Chlorotoluene	12.67	91	580034	21.004	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	697304	21.340	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	51862	19.438	ug/l	95
78) 4-Chlorotoluene	12.77	91	595357	21.179	ug/l	99
79) tert-butylbenzene	12.99	119	603716	21.185	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	704994	21.527	ug/l	99
81) sec-Butylbenzene	13.17	105	816144	21.628	ug/l	100
82) p-Isopropyltoluene	13.29	119	708182	21.718	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	393116	21.805	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	385317	21.925	ug/l	98
85) n-Butylbenzene	13.62	91	579020	21.835	ug/l	99
86) Hexachloroethane	13.88	117	106595	20.474	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	370376	22.109	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23011	18.556	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	112263	13.807	ug/l	100
90) Hexachlorobutadiene	15.01	225	95721	19.449	ug/l	99
91) Naphthalene	15.13	128	179572	10.409	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	68781	9.482	ug/l	98

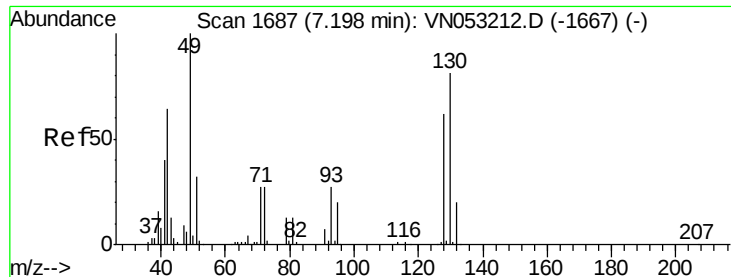
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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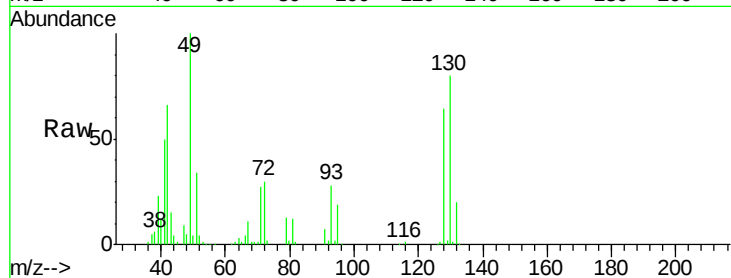
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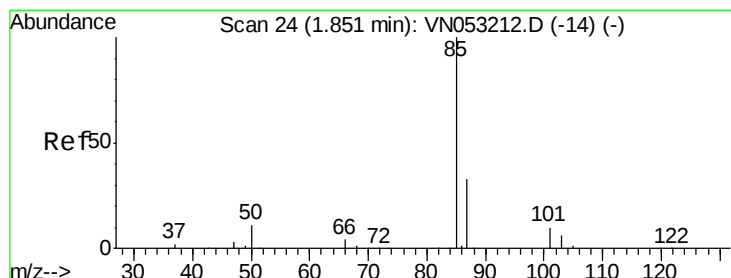
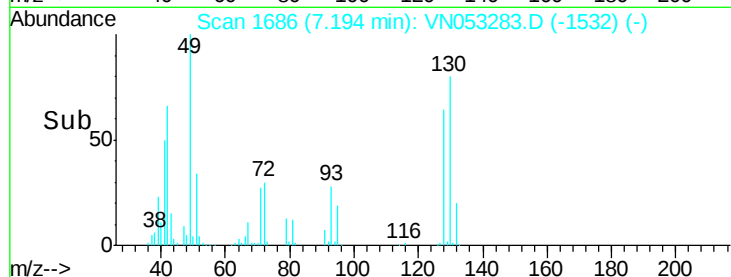
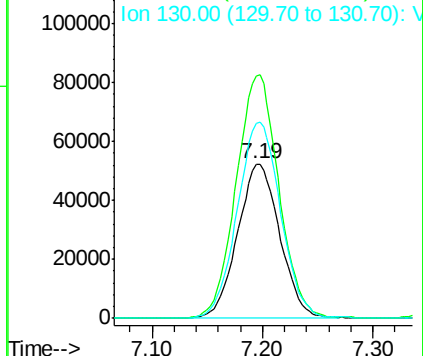
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:128 Resp: 138792
 Ion Ratio Lower Upper
 128 100
 49 159.7 0.0 431.8
 130 130.5 0.0 317.0

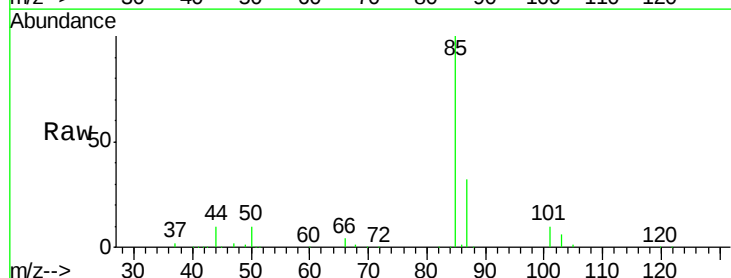


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

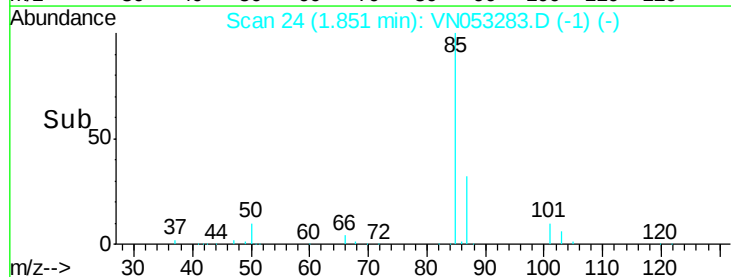
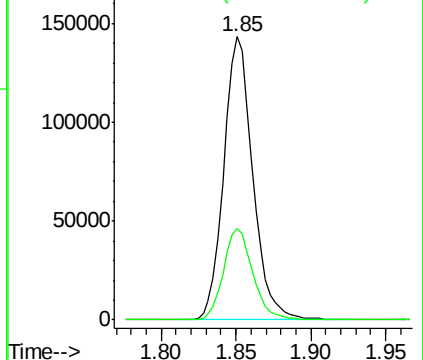


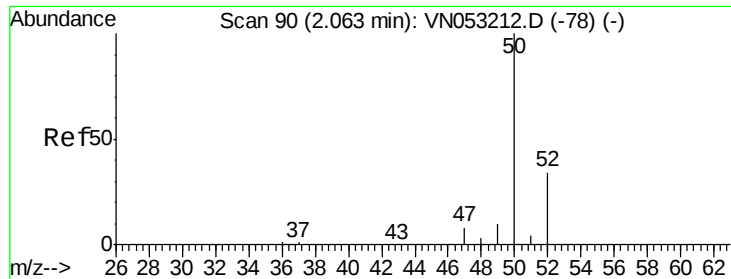
#2
 Dichlorodifluoromethane
 Concen: 20.908 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion: 85 Resp: 193348
 Ion Ratio Lower Upper
 85 100
 87 32.4 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.208 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

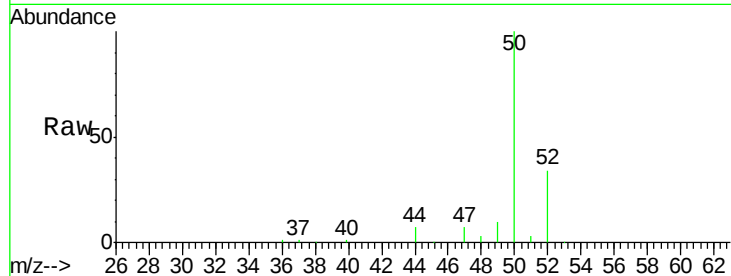
VSTDCCC020EC

Tot Ion: 50 Resp: 219328

Ion Ratio Lower Upper

50 100

52 33.6 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.06

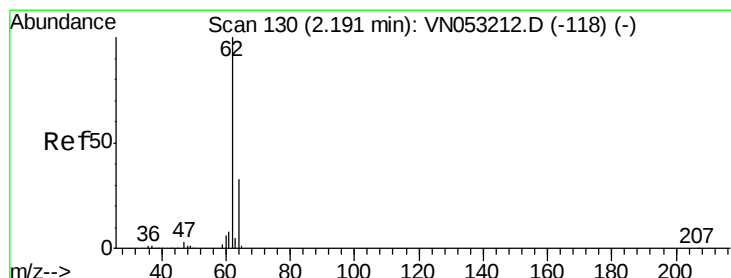
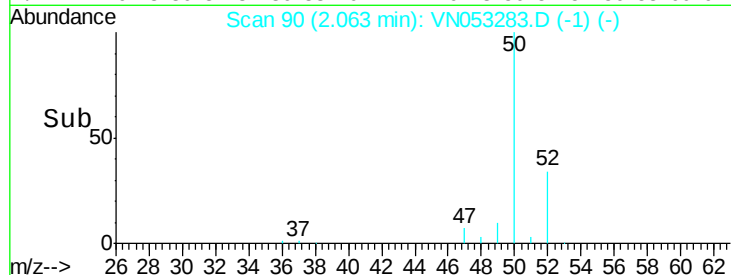
150000

100000

50000

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Time-->



#4

Vinyl Chloride

Concen: 19.837 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053283.D

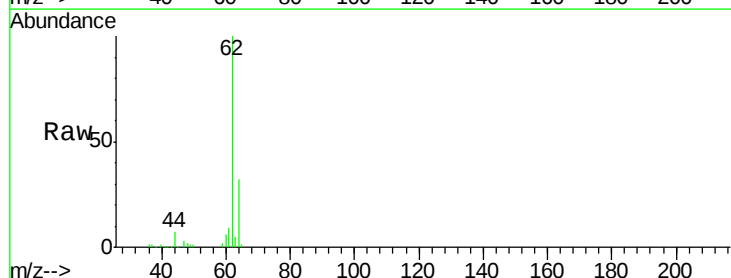
Acq: 4 Jan 2019 15:46

Tgt Ion: 62 Resp: 211865

Ion Ratio Lower Upper

62 100

64 31.6 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.19

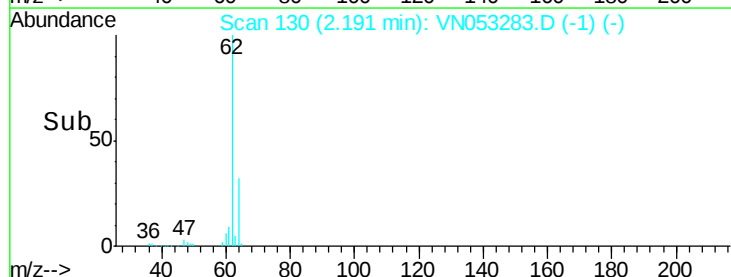
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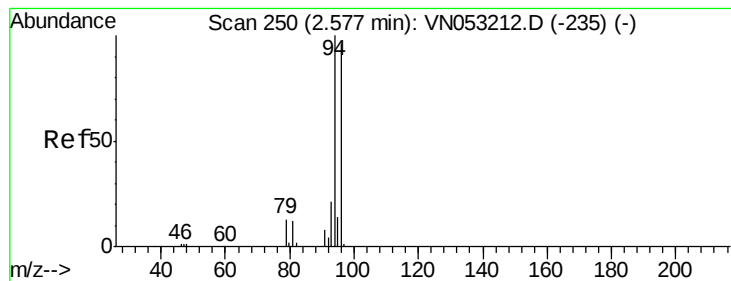
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50000

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Time-->





#5

Bromomethane

Concen: 16.641 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

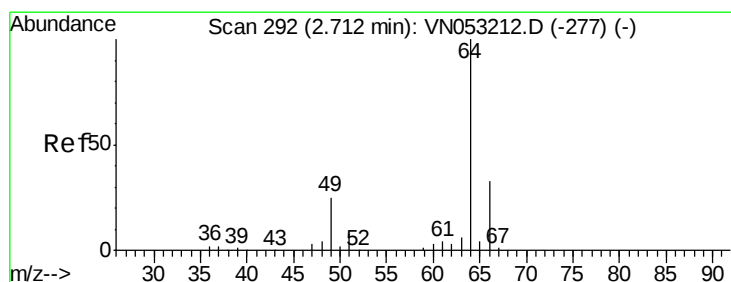
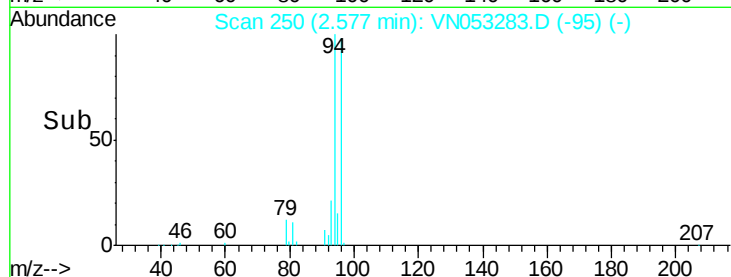
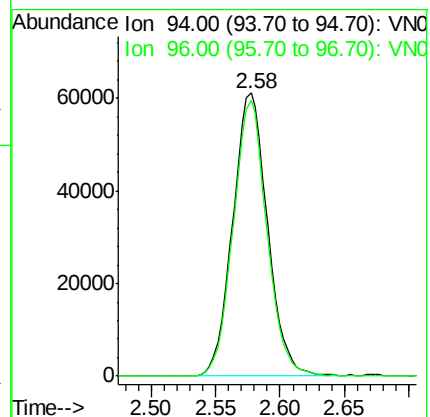
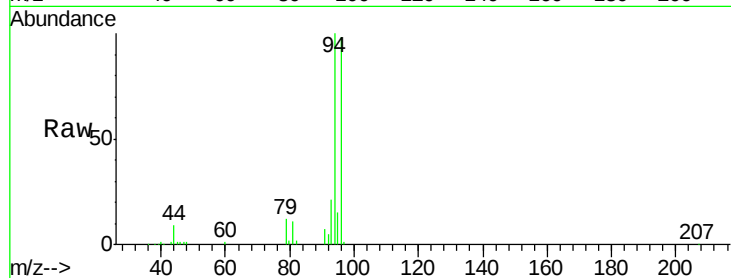
VSTDCCC020EC

Tot Ion: 94 Resp: 114591

Ion Ratio Lower Upper

94 100

96 97.5 76.2 114.2



#6

Chloroethane

Concen: 19.710 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053283.D

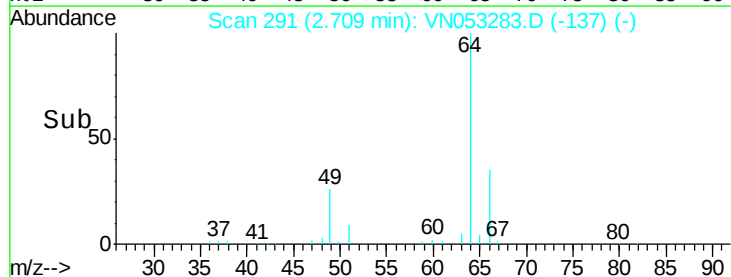
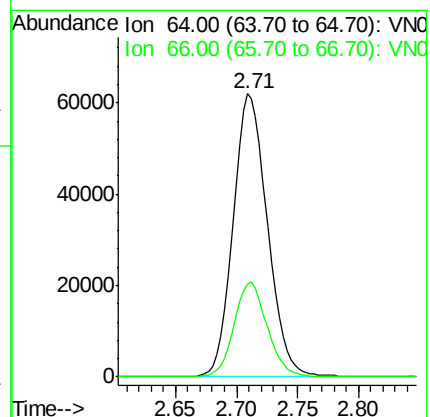
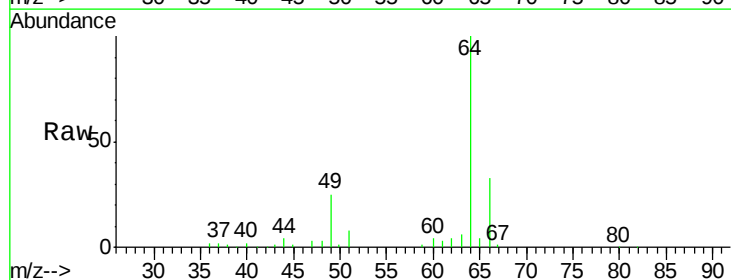
Acq: 4 Jan 2019 15:46

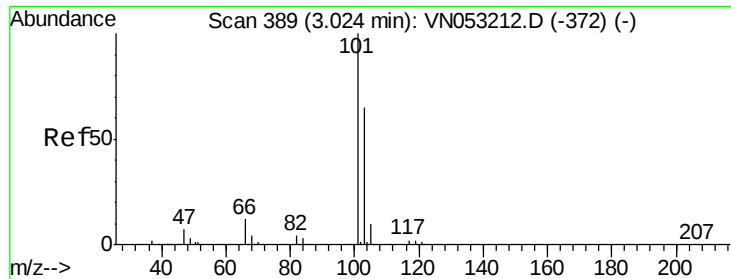
Tgt Ion: 64 Resp: 121261

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4



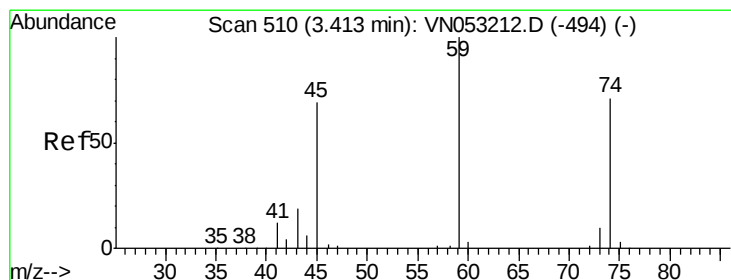
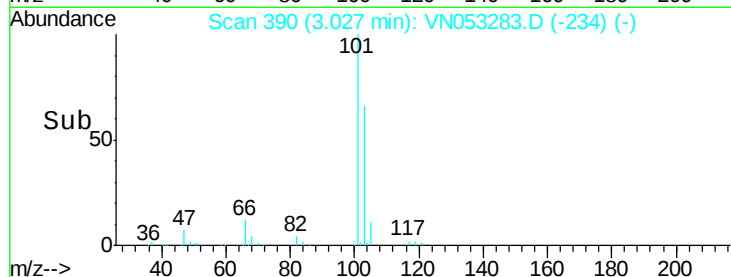
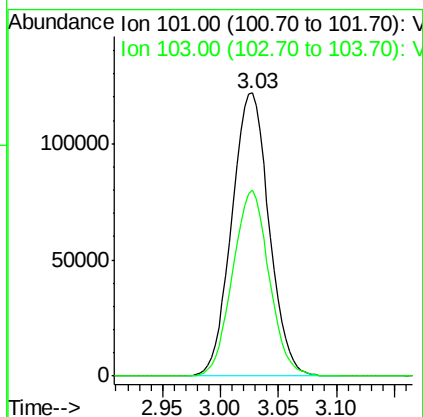
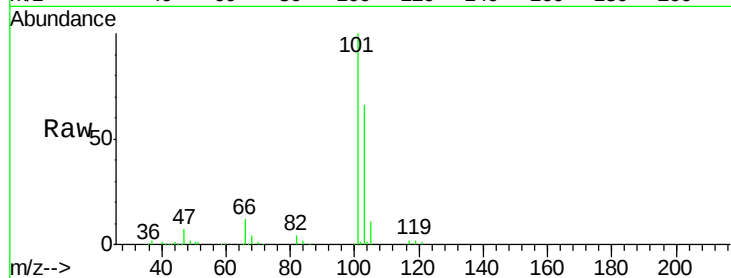


#7

Trichlorofluoromethane
 Concen: 20.613 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

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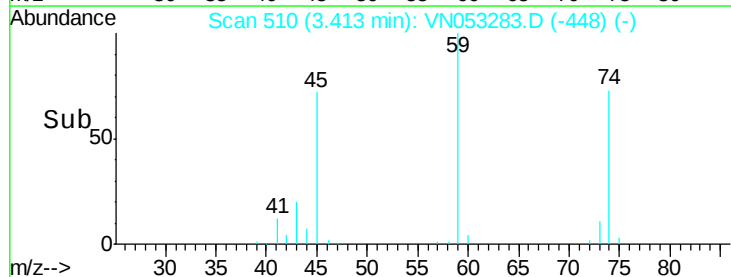
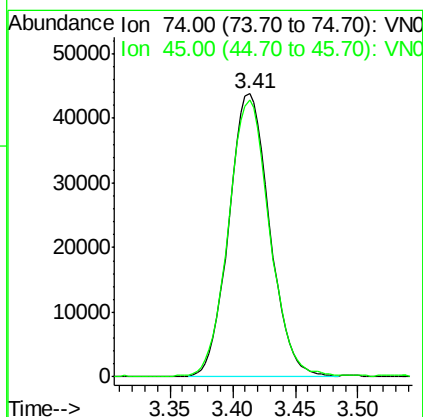
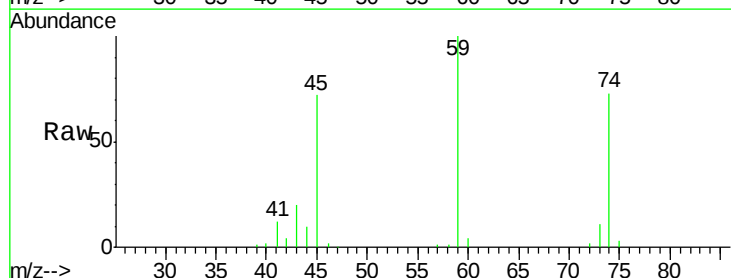
Tot Ion:101 Resp: 271880
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.1 78.1

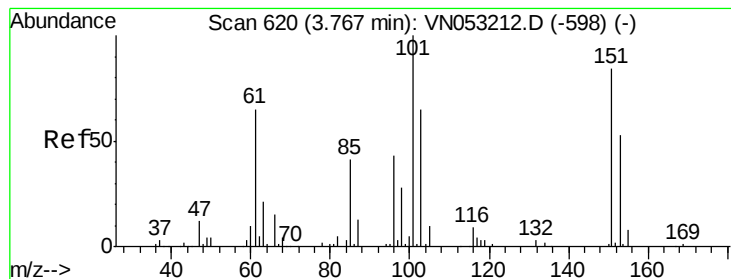


#8

Diethyl Ether
 Concen: 20.213 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion: 74 Resp: 99047
 Ion Ratio Lower Upper
 74 100
 45 98.5 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.589 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

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VSTDCCC020EC

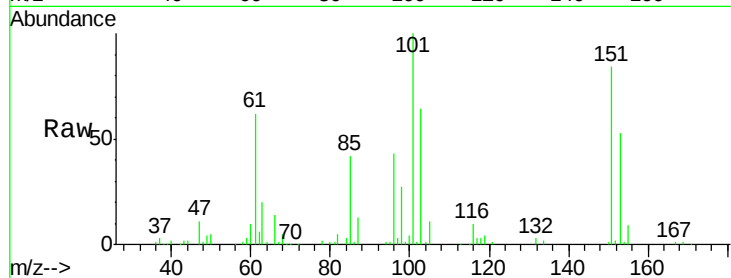
Tot Ion:101 Resp: 170616

Ion Ratio Lower Upper

101 100

85 41.3 0.0 82.6

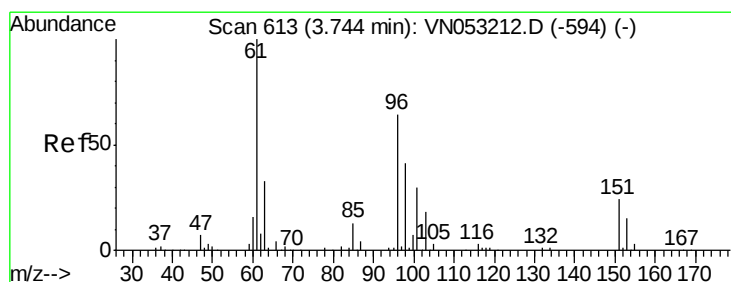
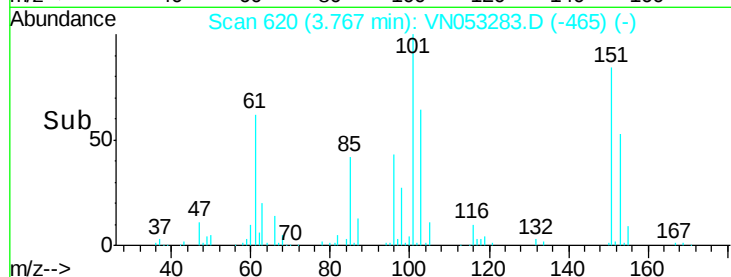
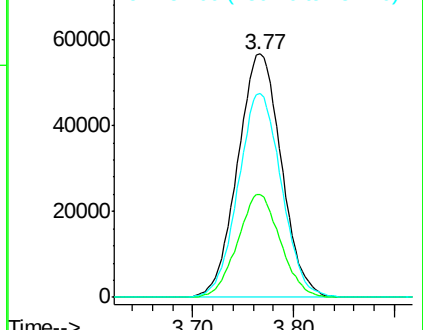
151 83.0 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.540 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

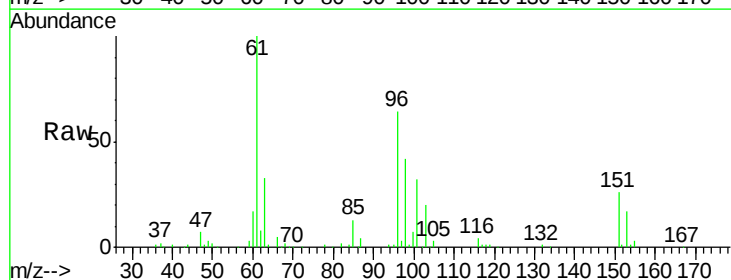
Tgt Ion: 96 Resp: 158022

Ion Ratio Lower Upper

96 100

61 156.6 129.4 194.2

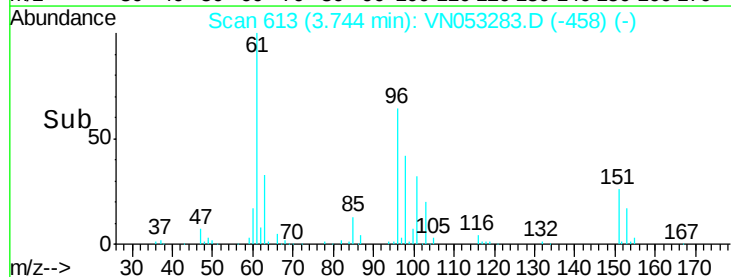
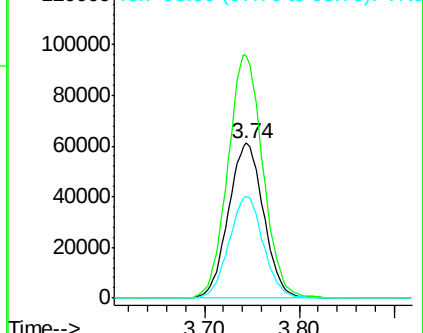
98 65.9 50.4 75.6

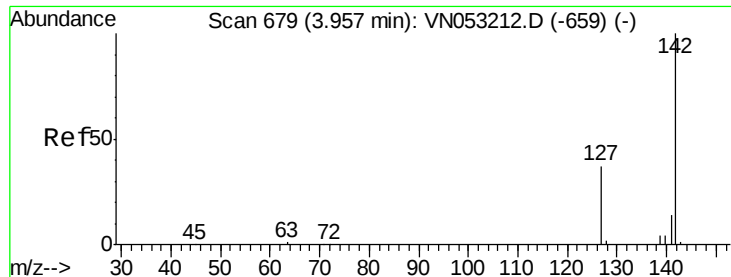


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

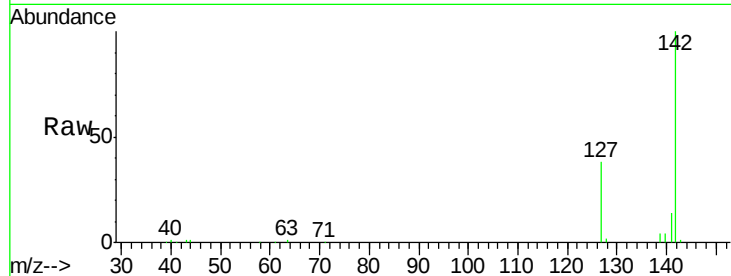




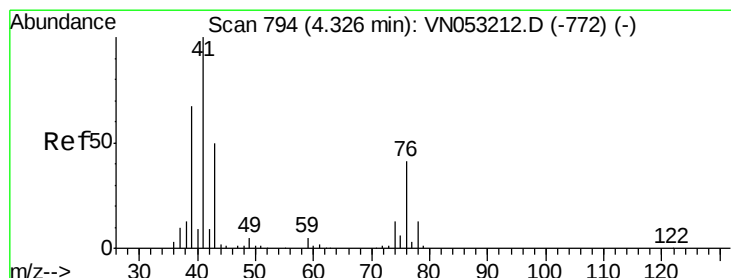
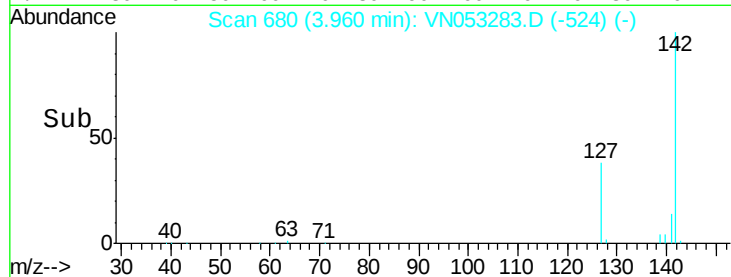
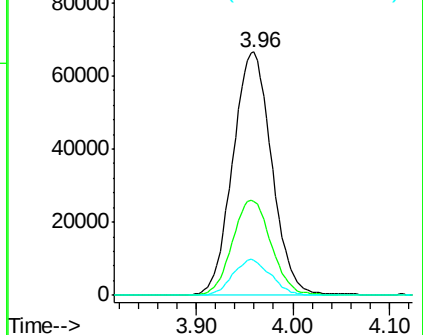
#11
Methyl Iodide
Concen: 15.714 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 186107
Ion Ratio Lower Upper
142 100
127 38.4 19.4 58.1
141 14.5 7.2 21.6

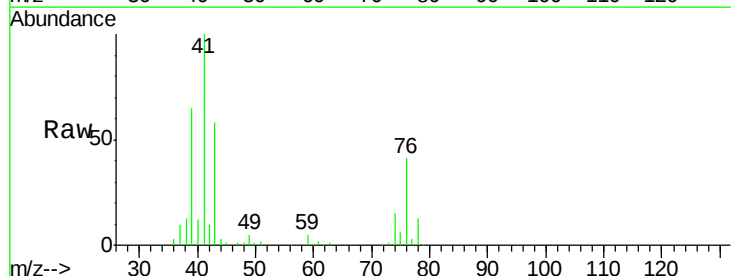


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

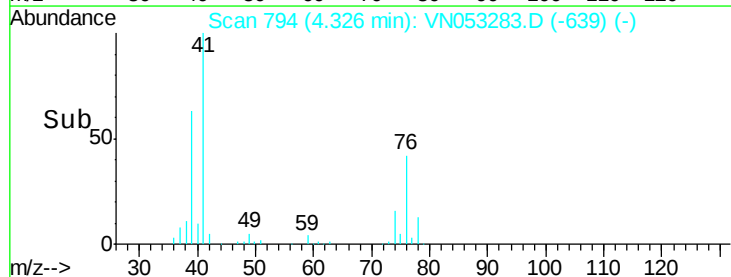
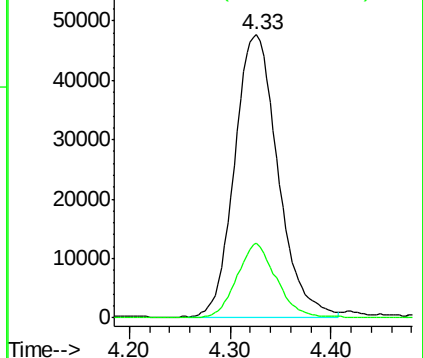


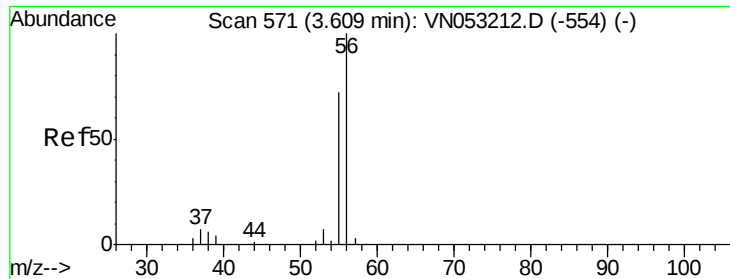
#12
Methyl Acetate
Concen: 22.527 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion: 43 Resp: 141991
Ion Ratio Lower Upper
43 100
74 26.3 18.9 28.3



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





#13

Acrolein

Concen: 79.082 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

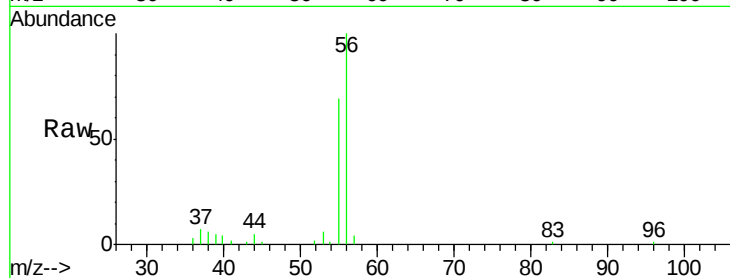
VSTDCCC020EC

Tot Ion: 56 Resp: 59514

Ion Ratio Lower Upper

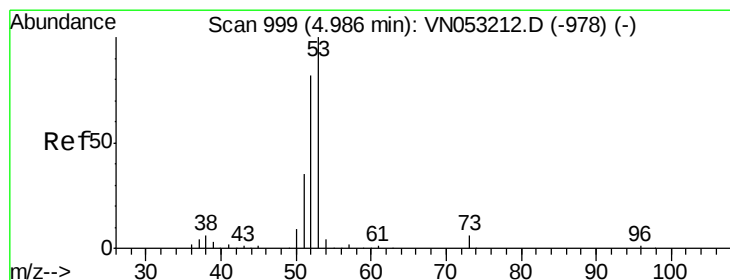
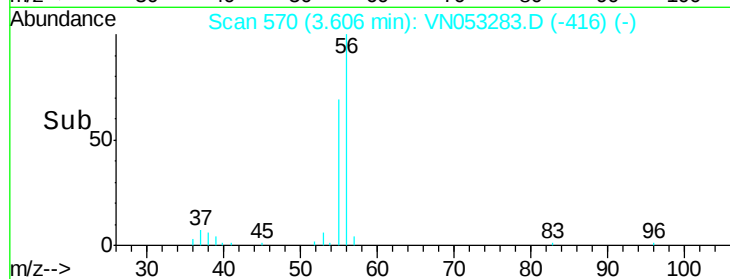
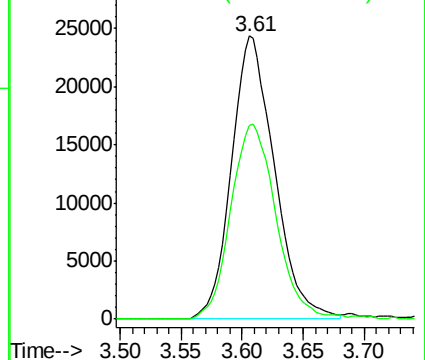
56 100

55 71.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 111.899 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

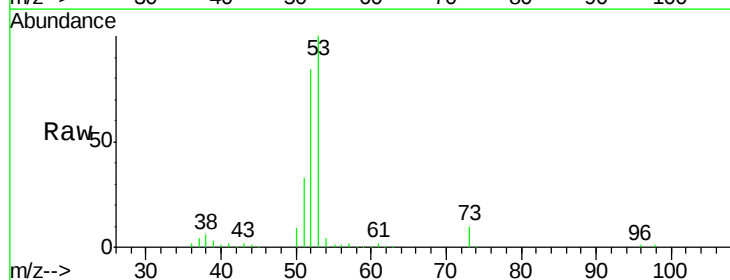
Tgt Ion: 53 Resp: 315539

Ion Ratio Lower Upper

53 100

52 81.5 39.9 119.7

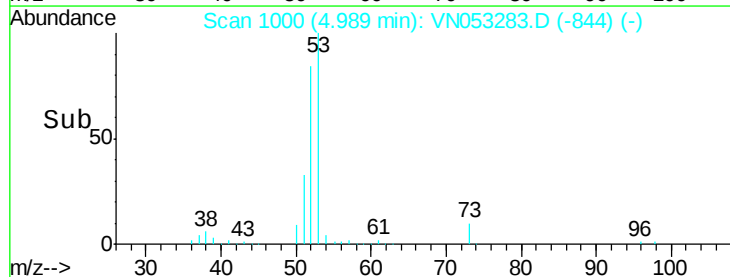
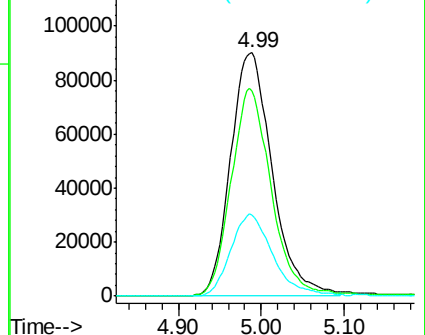
51 33.7 17.6 52.9

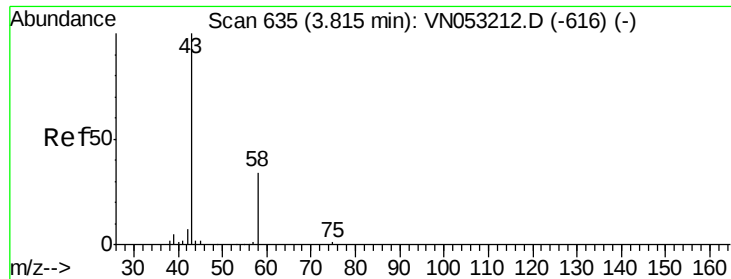


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 122.597 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

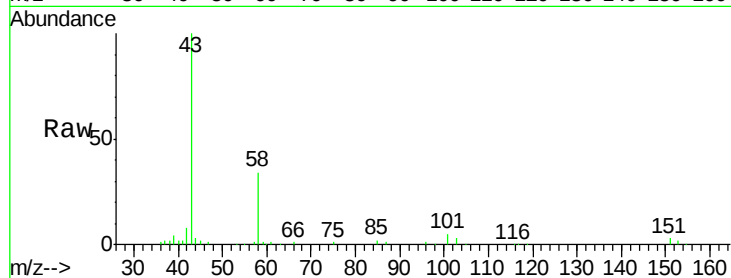
VSTDCCC020EC

Tot Ion: 58 Resp: 73472

Ion Ratio Lower Upper

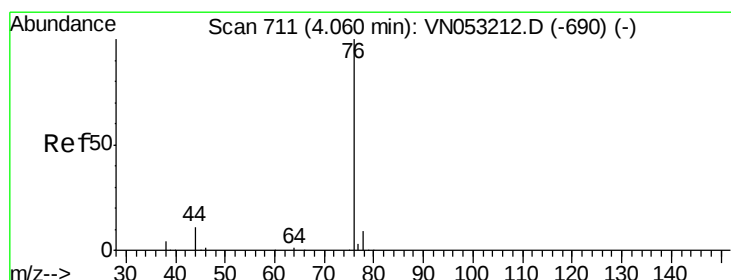
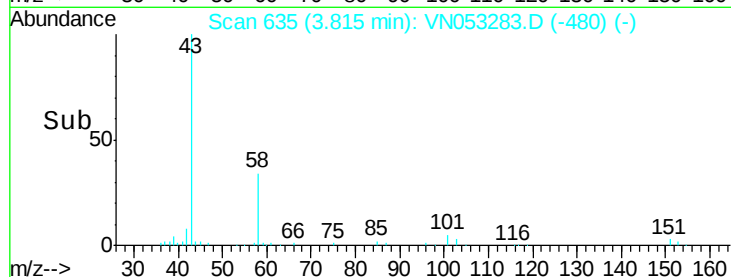
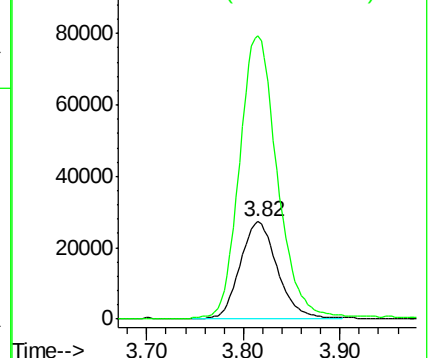
58 100

43 289.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.314 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053283.D

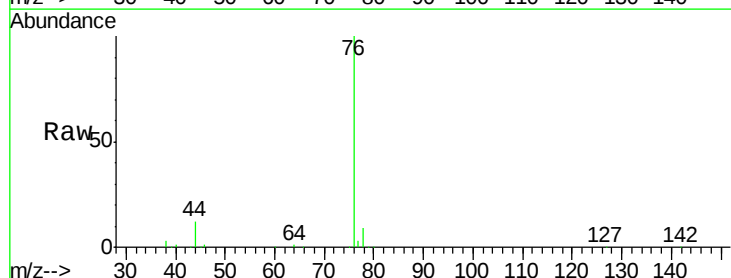
Acq: 4 Jan 2019 15:46

Tgt Ion: 76 Resp: 480505

Ion Ratio Lower Upper

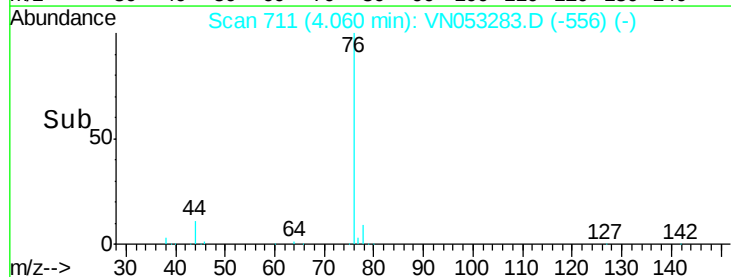
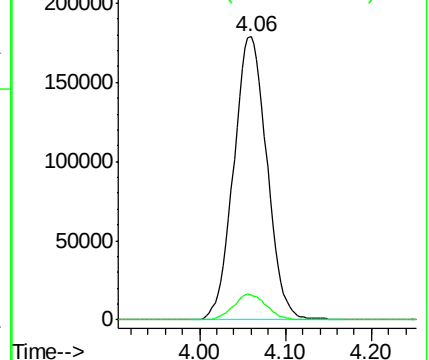
76 100

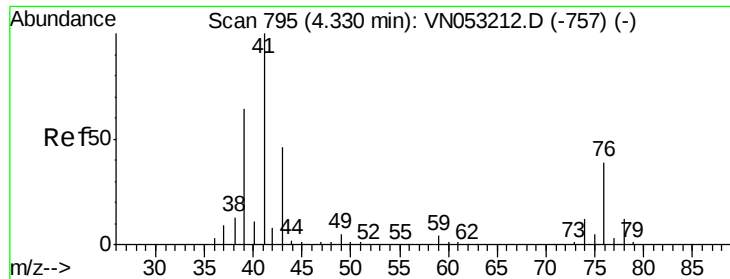
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

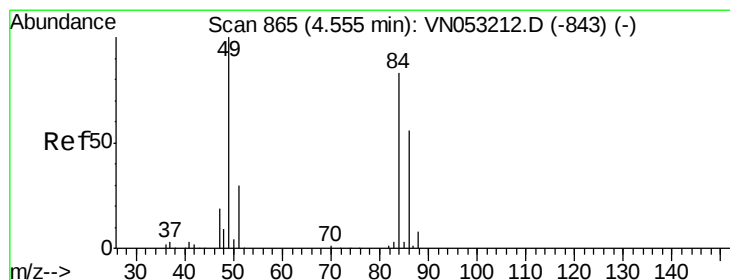
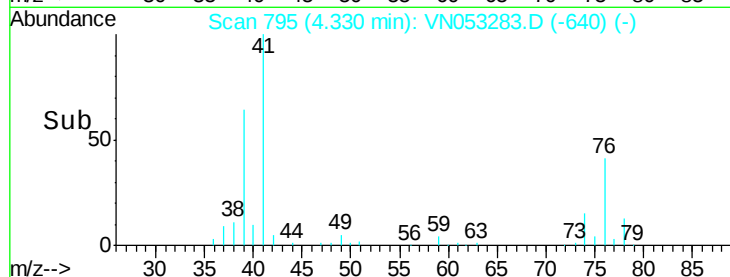
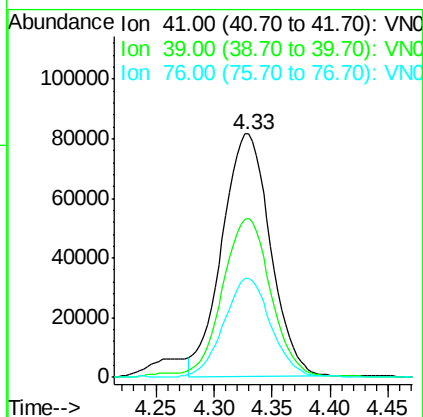
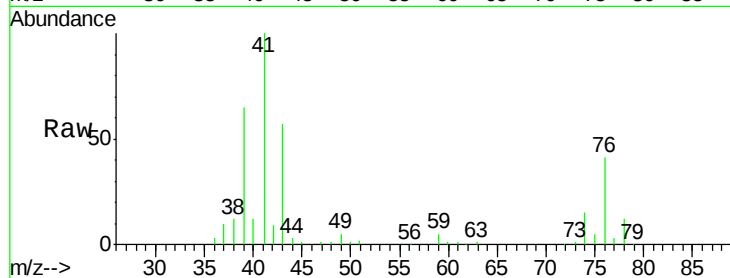




#17
Allvl chloride
Concen: 18.466 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

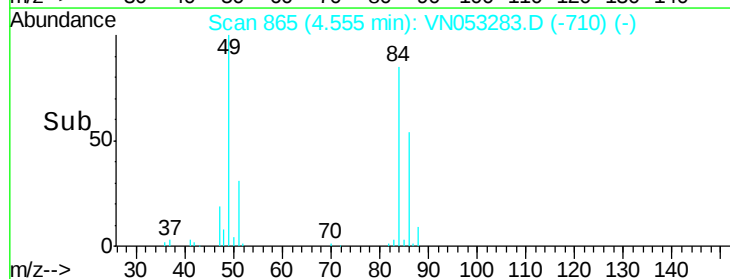
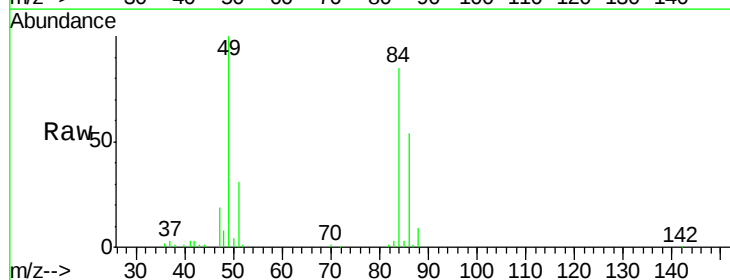
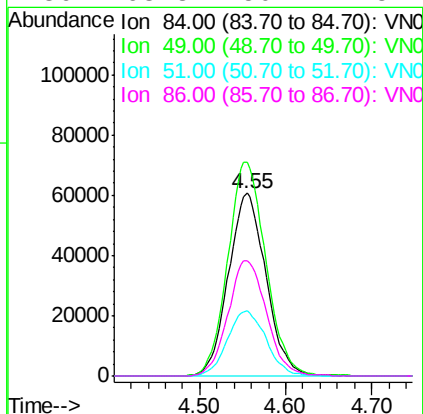
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

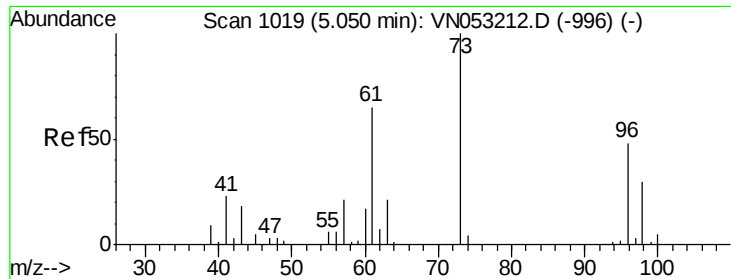
Tot Ion: 41 Resp: 234922
Ion Ratio Lower Upper
41 100
39 65.3 32.8 98.3
76 40.7 18.6 55.8



#18
Methylene Chloride
Concen: 19.898 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion: 84 Resp: 184165
Ion Ratio Lower Upper
84 100
49 116.5 101.4 152.0
51 35.8 31.7 47.5
86 63.3 50.1 75.1

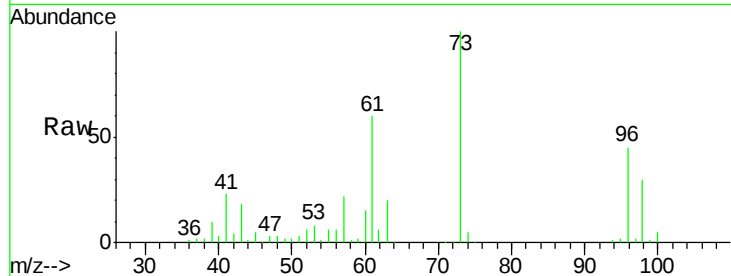




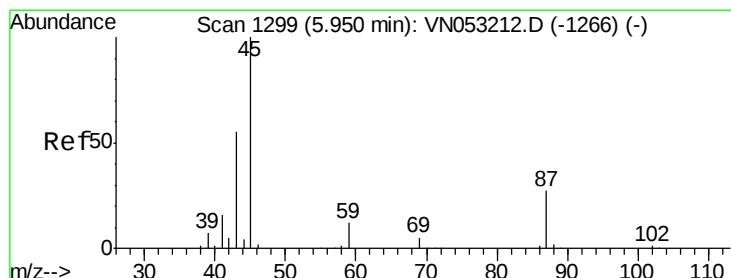
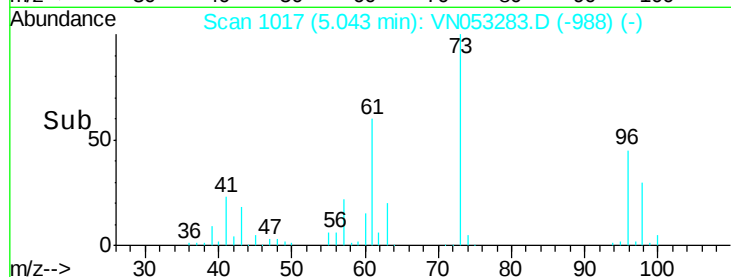
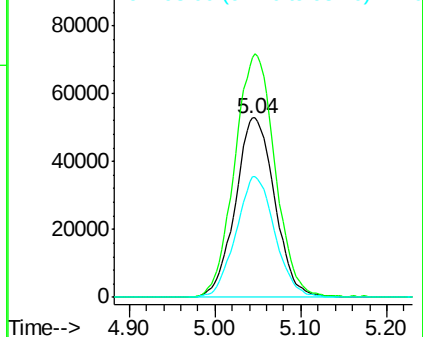
#19
trans-1,2-Dichloroethene
Concen: 19.667 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 168084
Ion Ratio Lower Upper
96 100
61 133.6 118.2 177.4
98 67.2 51.4 77.2

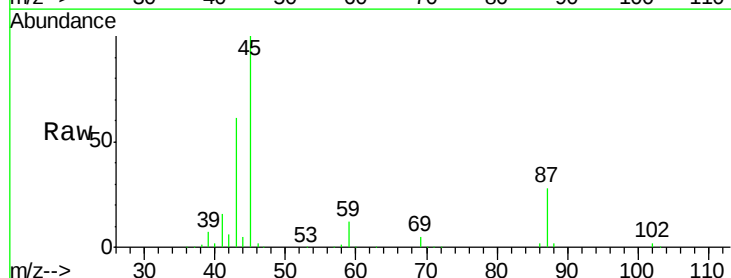


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

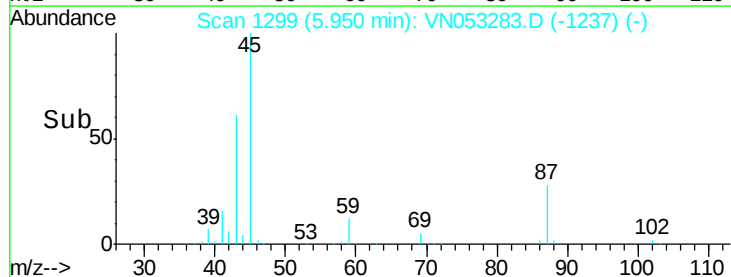
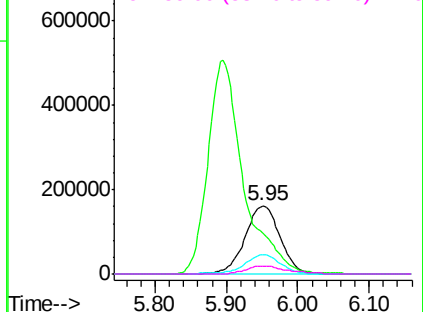


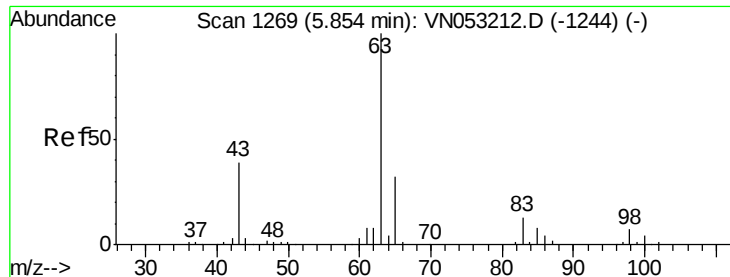
#20
Diisopropyl ether
Concen: 20.267 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion: 45 Resp: 552175
Ion Ratio Lower Upper
45 100
43 59.4 47.8 71.8
87 28.2 21.3 31.9
59 11.7 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

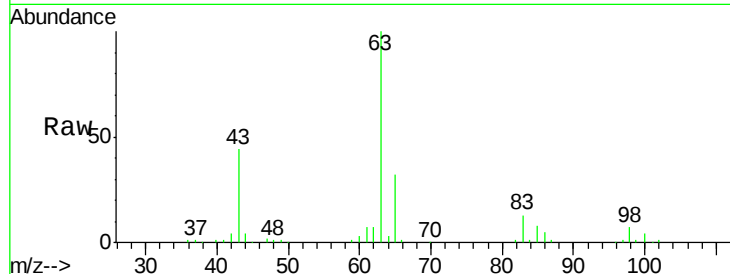




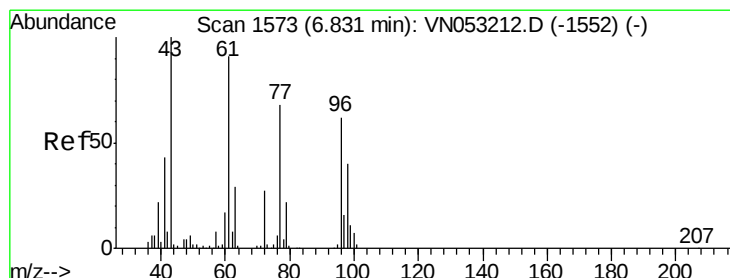
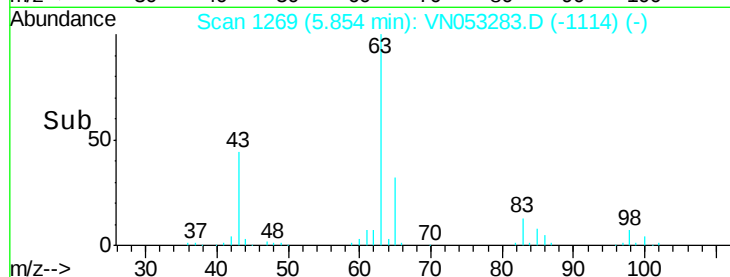
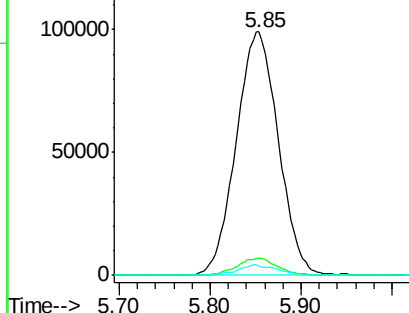
#21
 1,1-Dichloroethane
 Concen: 20.081 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 318561
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.0 9.2
 100 3.8 1.8 5.5

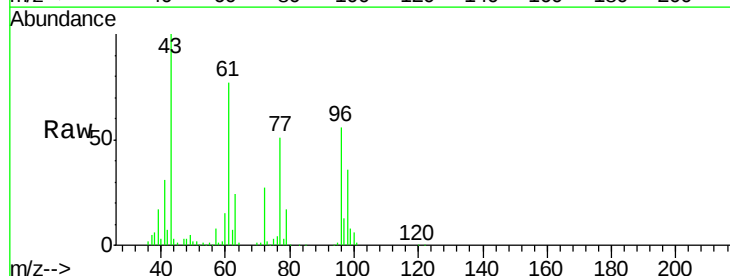


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

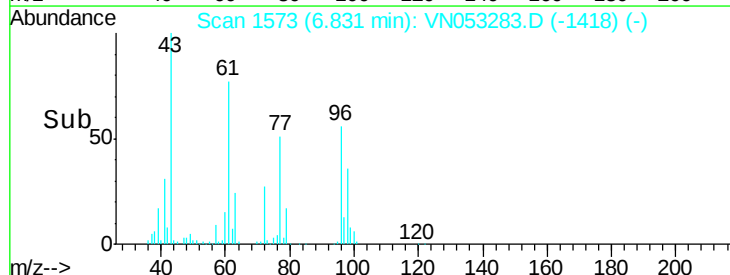
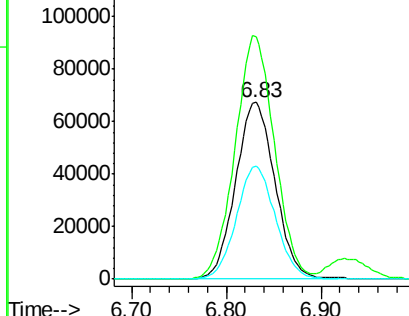


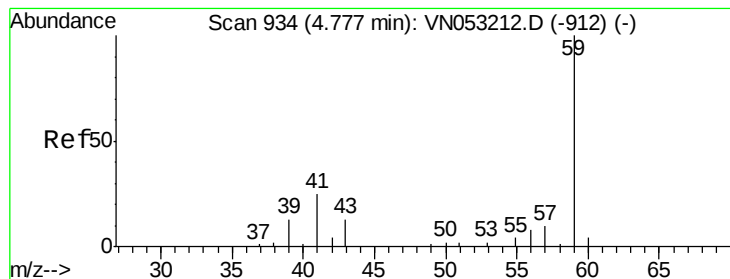
#22
 cis-1,2-Dichloroethene
 Concen: 20.273 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion: 96 Resp: 195177
 Ion Ratio Lower Upper
 96 100
 61 137.9 116.7 175.1
 98 63.3 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



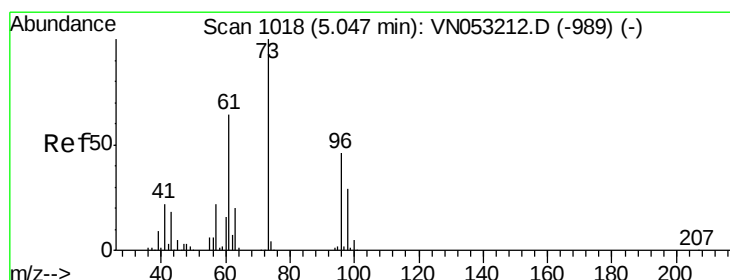
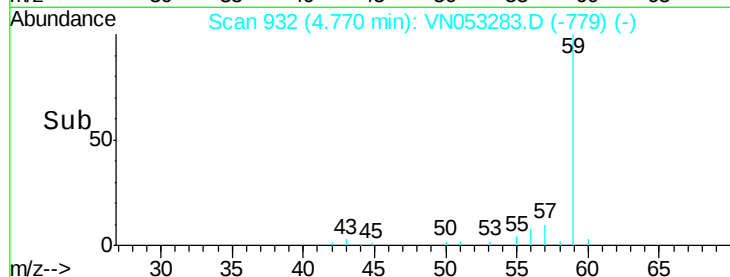
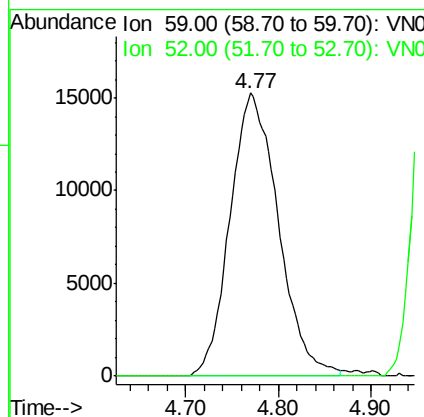
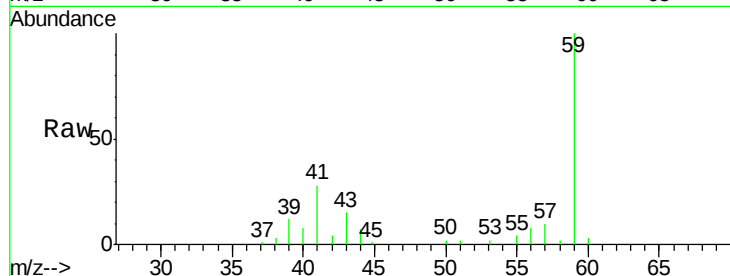


#23

tert-Butyl Alcohol
 Concen: 116.063 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

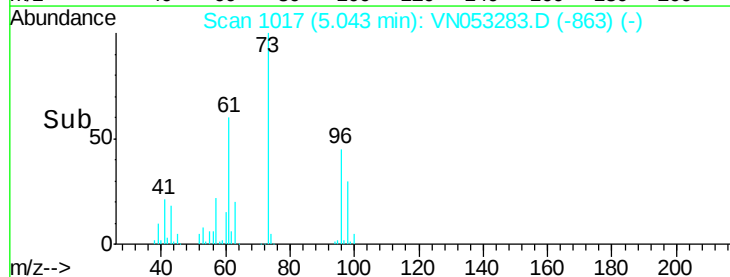
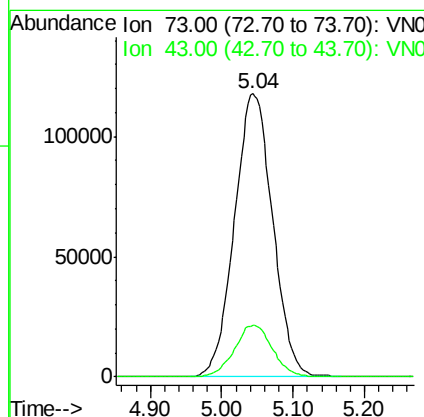
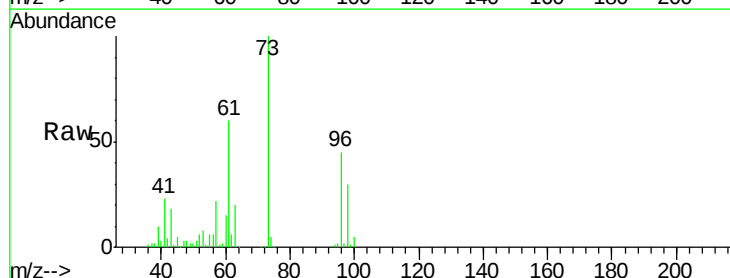
Tot Ion: 59 Resp: 55172
 Ion Ratio Lower Upper
 59 100
 52 1.1 0.0 0.0#

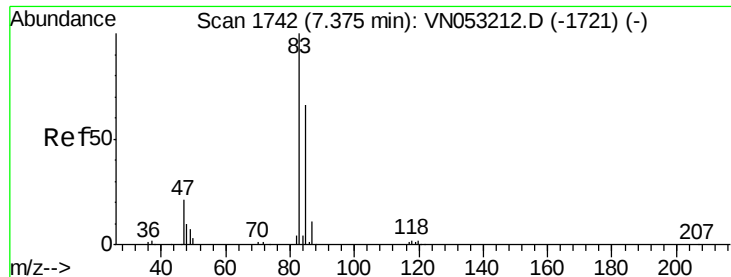


#24

Methyl tert-Butyl Ether
 Concen: 20.824 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion: 73 Resp: 439127
 Ion Ratio Lower Upper
 73 100
 43 17.8 15.8 23.8





#25

Chloroform

Concen: 20.221 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

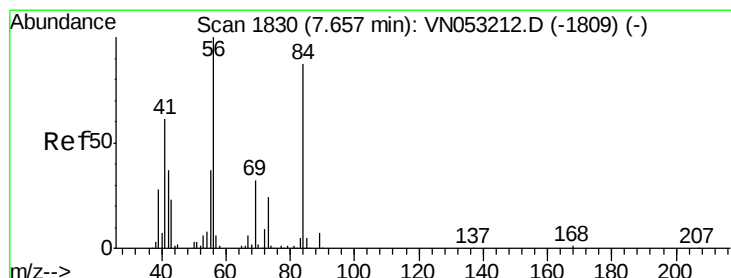
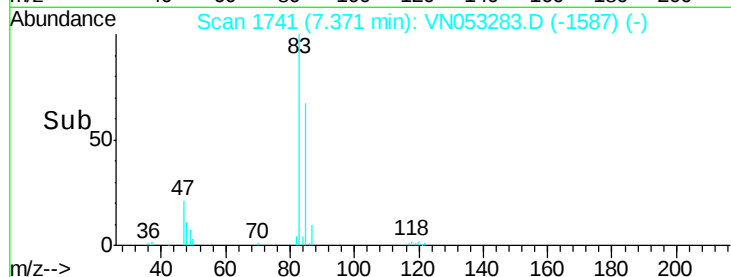
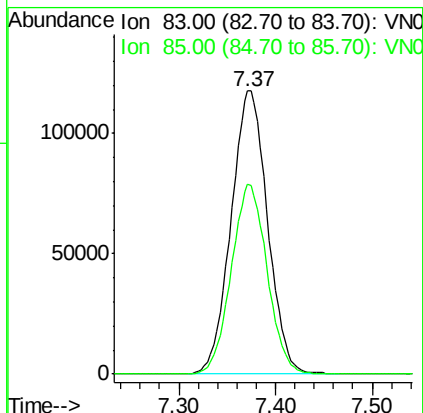
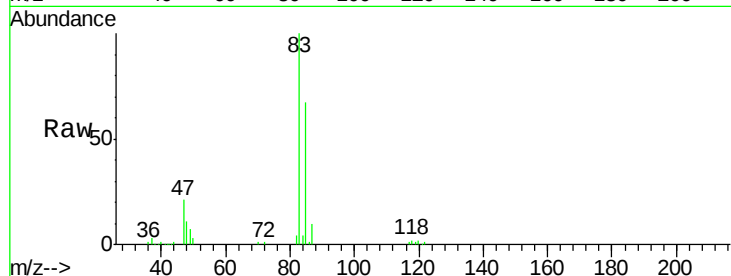
VSTDCCC020EC

Tot Ion: 83 Resp: 308335

Ion Ratio Lower Upper

83 100

85 67.0 51.7 77.5



#26

Cyclohexane

Concen: 19.907 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

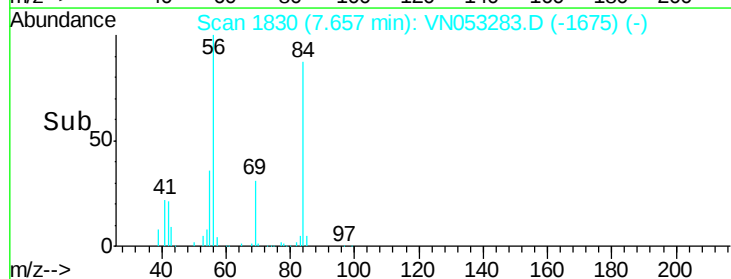
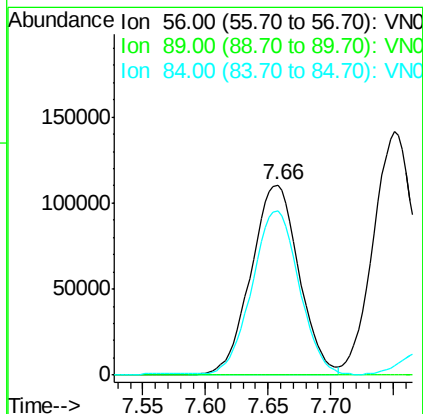
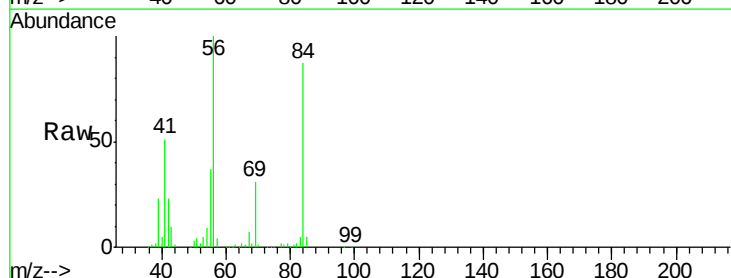
Tgt Ion: 56 Resp: 294539

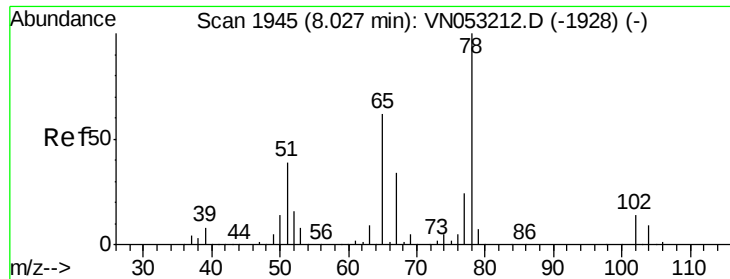
Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

84 83.8 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 19.907 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

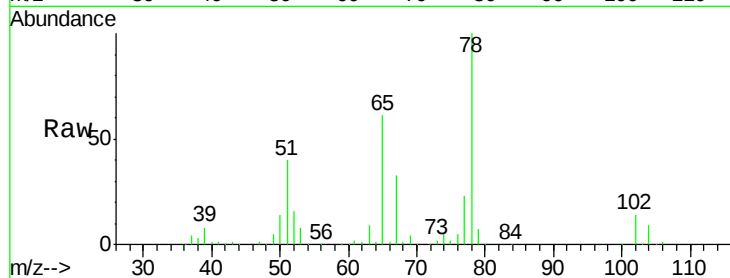
VSTDCCC020EC

Tot Ion: 65 Resp: 267439

Ion Ratio Lower Upper

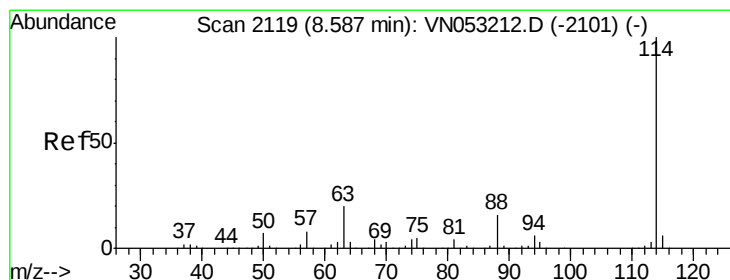
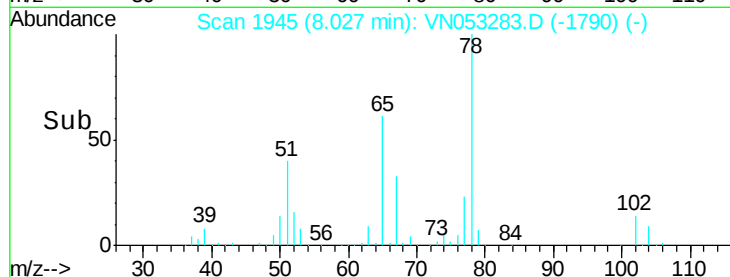
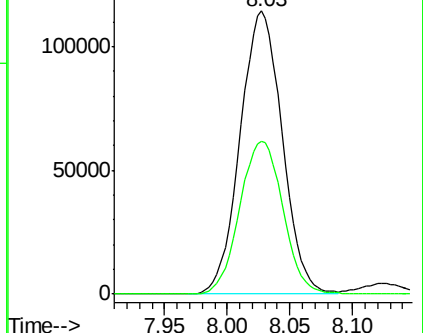
65 100

67 55.2 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN053283.D (-1790) (-)

Ion 67.00 (66.70 to 67.70): VN053283.D (-1790) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

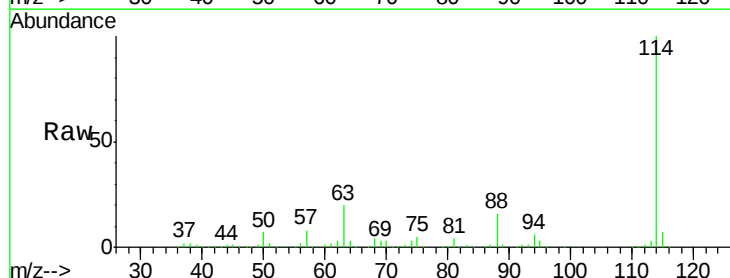
Tgt Ion: 114 Resp: 793817

Ion Ratio Lower Upper

114 100

63 19.5 16.9 25.3

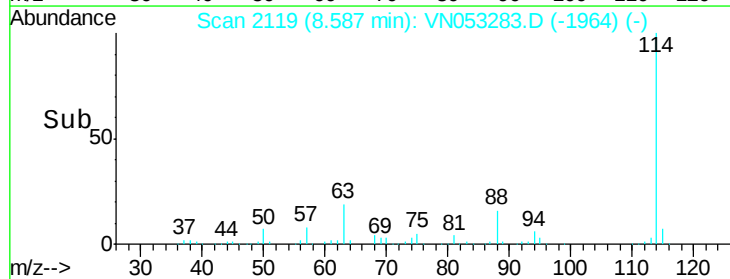
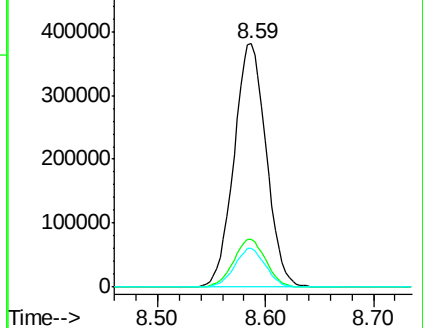
88 15.4 12.8 19.2

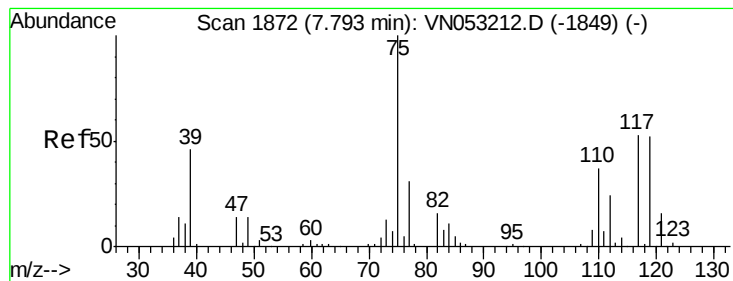


Abundance Ion 114.00 (113.70 to 114.70): VN053283.D (-1964) (-)

Ion 63.00 (62.70 to 63.70): VN053283.D (-1964) (-)

Ion 88.00 (87.70 to 88.70): VN053283.D (-1964) (-)





#29

1,1-Dichloropropene

Concen: 20.330 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

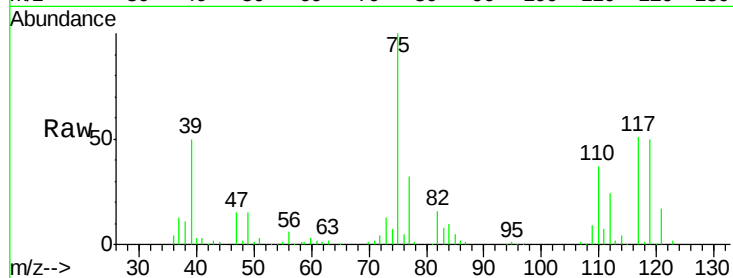
Tot Ion: 75 Resp: 244452

Ion Ratio Lower Upper

75 100

110 36.3 0.0 70.2

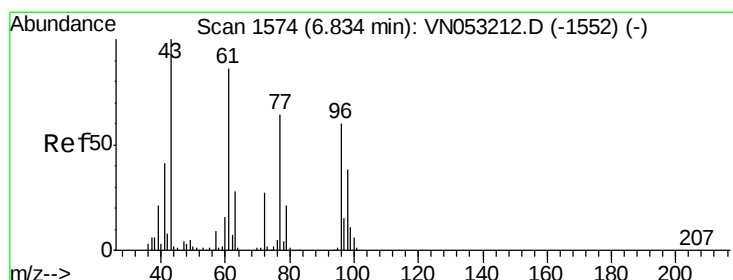
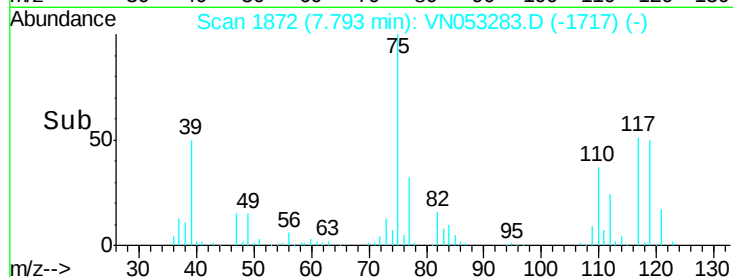
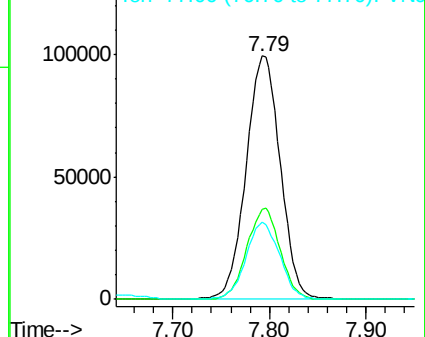
77 31.3 0.0 62.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 116.723 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

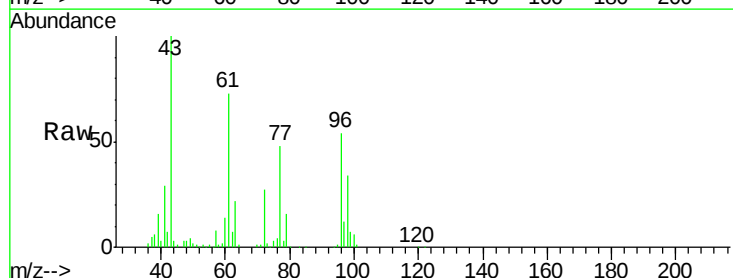
Tgt Ion: 43 Resp: 350157

Ion Ratio Lower Upper

43 100

57 8.1 6.2 9.4

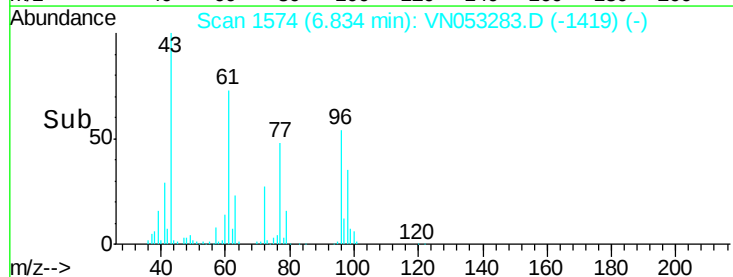
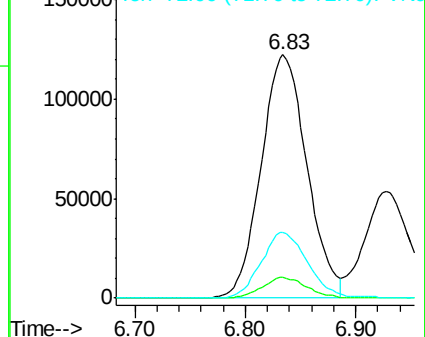
72 27.8 21.0 31.6

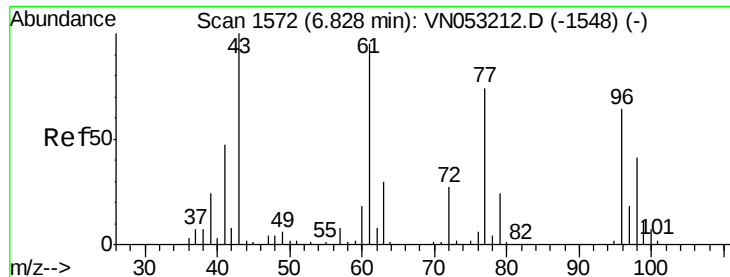


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 16.993 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

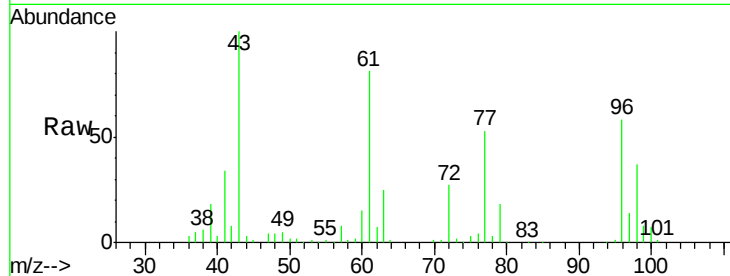
VSTDCCC020EC

Tot Ion: 77 Resp: 197807

Ion Ratio Lower Upper

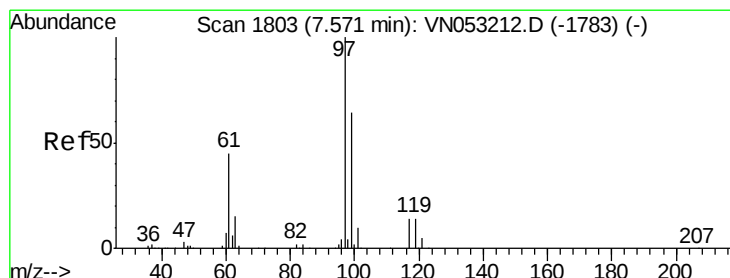
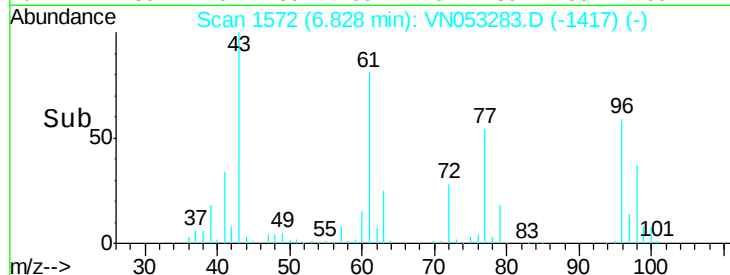
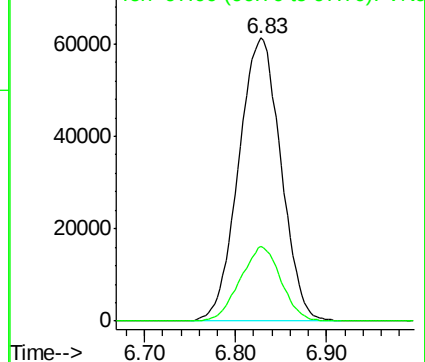
77 100

97 25.4 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.523 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

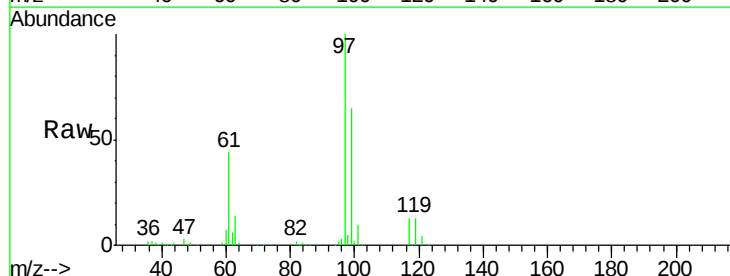
Tgt Ion: 97 Resp: 258552

Ion Ratio Lower Upper

97 100

99 64.8 50.9 76.3

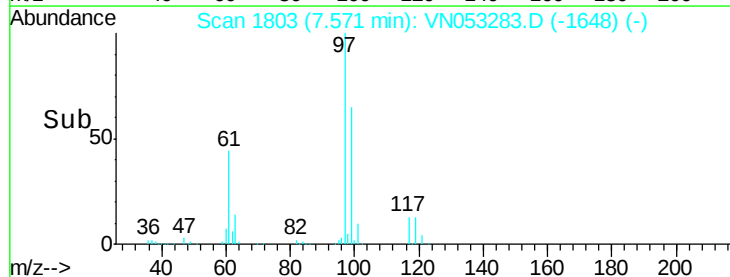
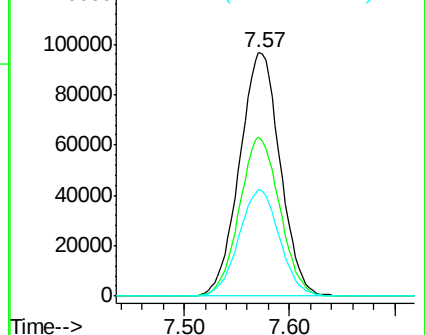
61 43.8 38.1 57.1

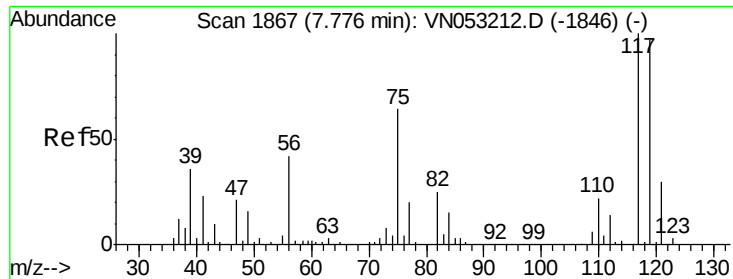


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 20.458 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

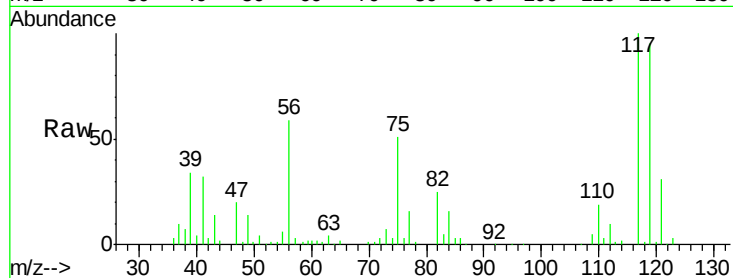
Tot Ion:117 Resp: 225610

Ion Ratio Lower Upper

117 100

119 94.6 77.3 115.9

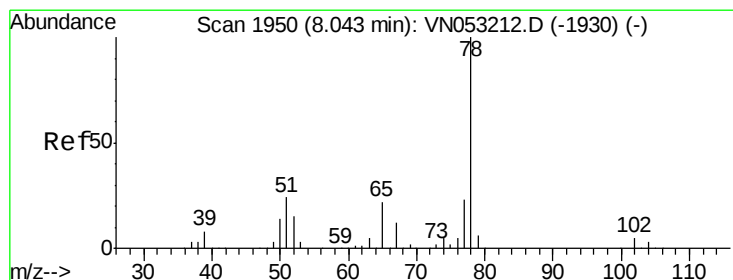
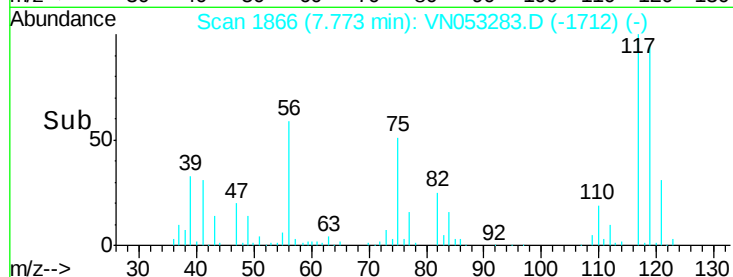
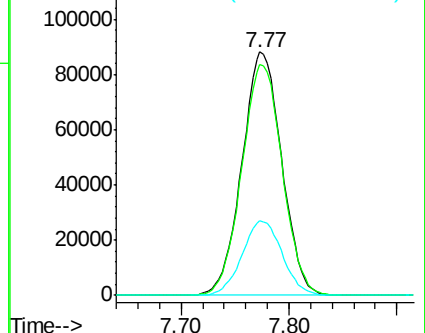
121 30.6 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.333 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

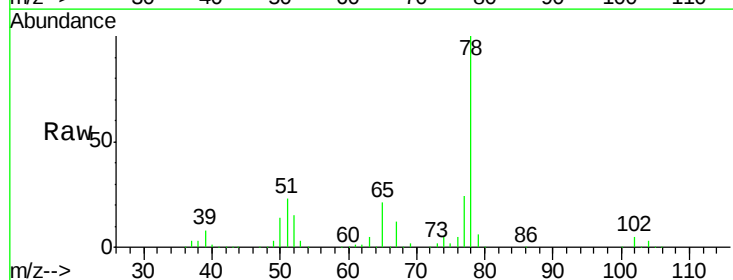
Tgt Ion: 78 Resp: 734763

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

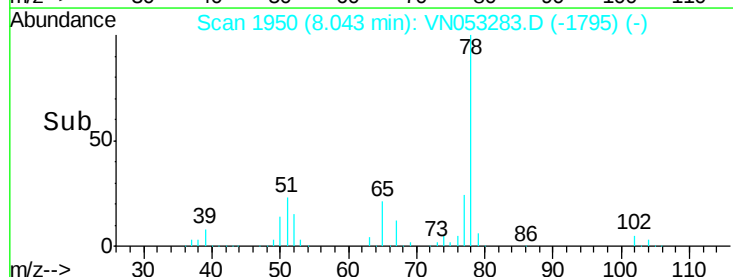
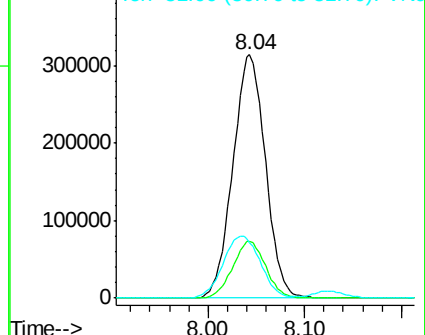
51 22.8 20.5 30.7

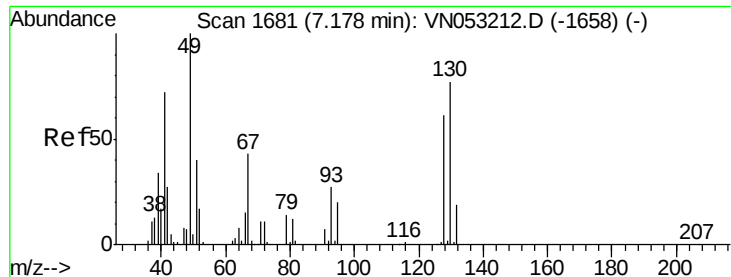


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

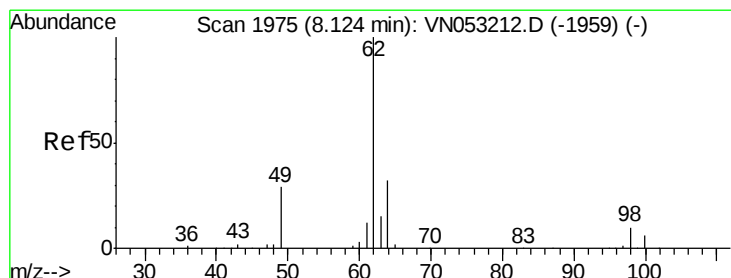
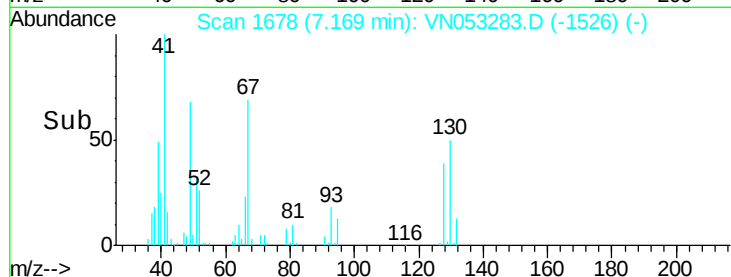
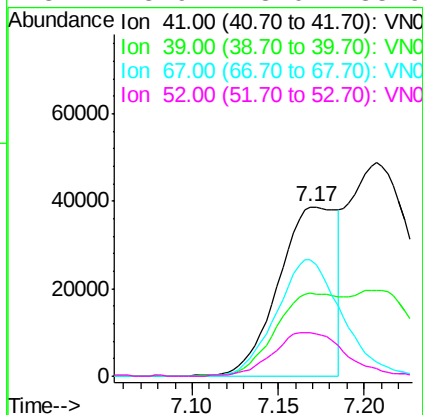
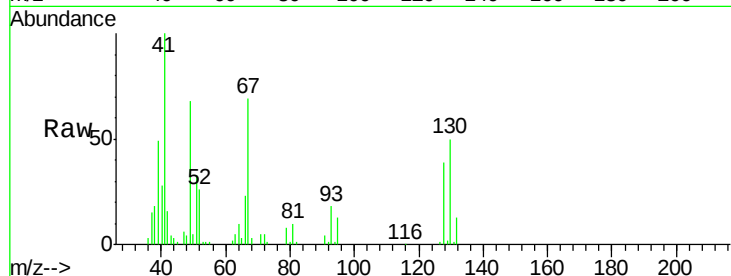




#35
Methacrylonitrile
Concen: 23.547 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

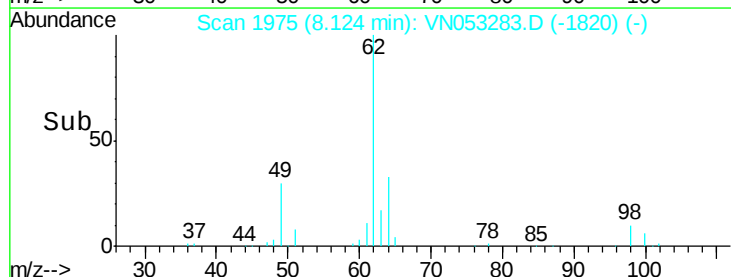
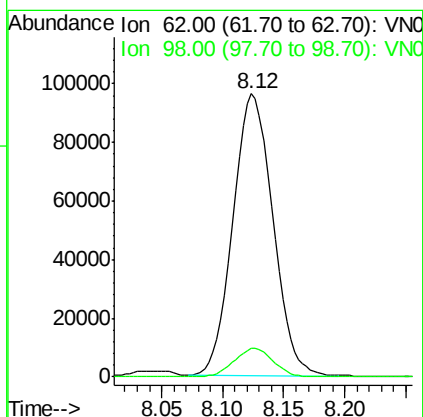
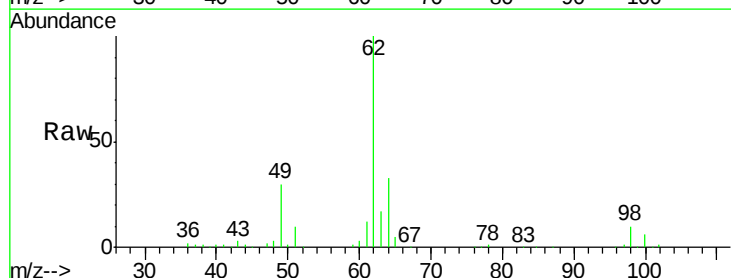
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

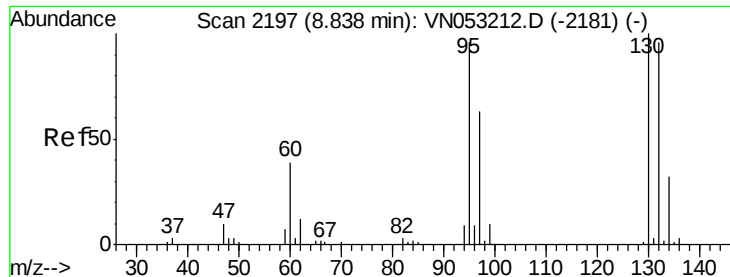
Tot Ion:	41	Resp:	91151
Ion	Ratio	Lower	Upper
41	100		
39	48.8	26.6	79.7
67	68.8	32.3	96.9
52	25.9	13.0	38.9



#36
1,2-Dichloroethane
Concen: 20.852 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion:	62	Resp:	218753
Ion	Ratio	Lower	Upper
62	100		
98	10.0	7.4	11.2

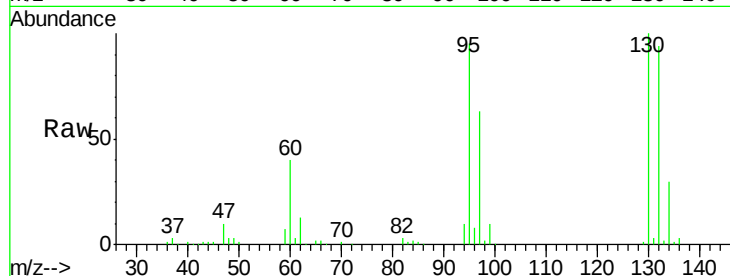




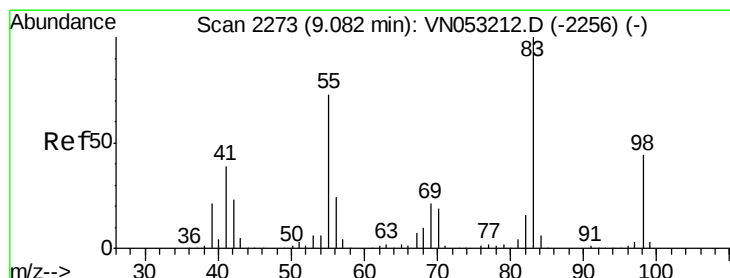
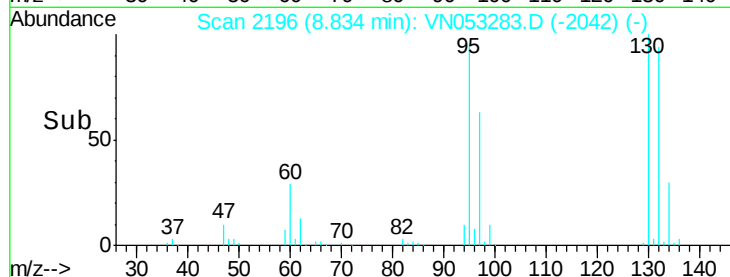
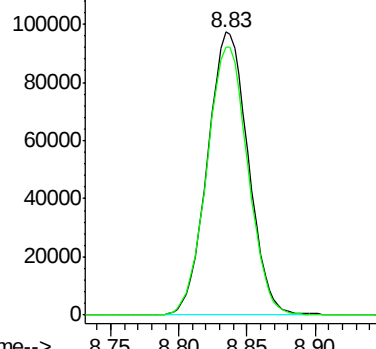
#37
 Trichloroethene
 Concen: 20.578 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 201452
 Ion Ratio Lower Upper
 130 100
 95 94.9 81.0 121.4

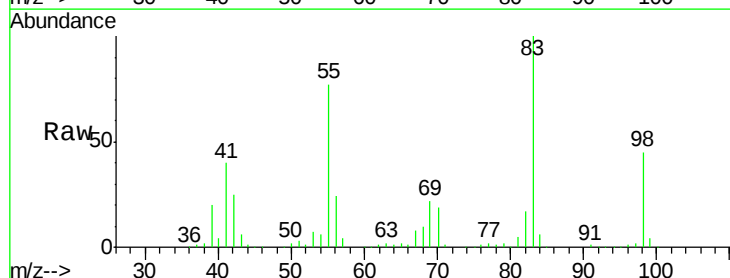


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

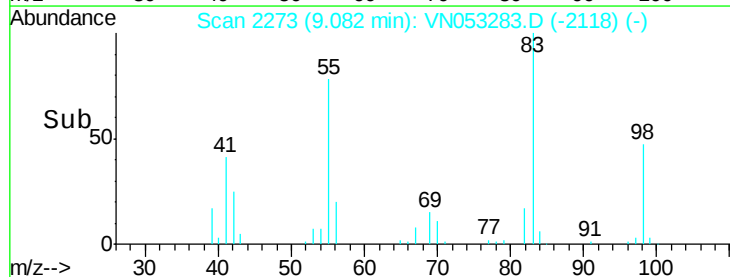
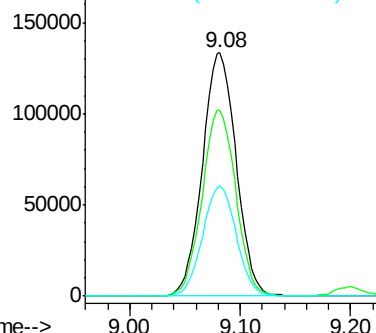


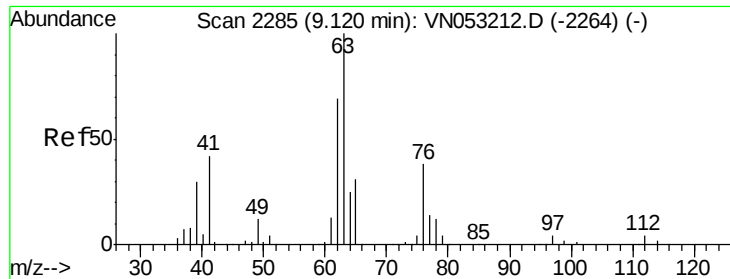
#38
 Methylcyclohexane
 Concen: 20.172 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion: 83 Resp: 283700
 Ion Ratio Lower Upper
 83 100
 55 76.2 39.8 119.4
 98 45.2 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 20.480 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

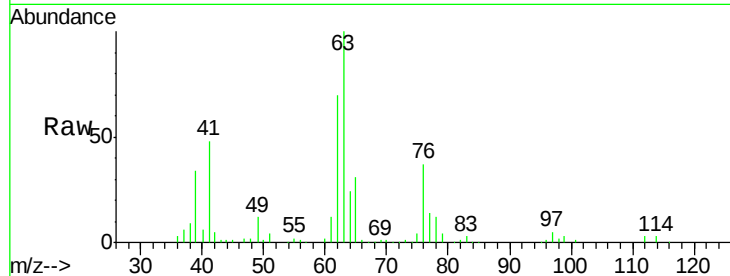
VSTDCCC020EC

Tot Ion: 63 Resp: 193257

Ion Ratio Lower Upper

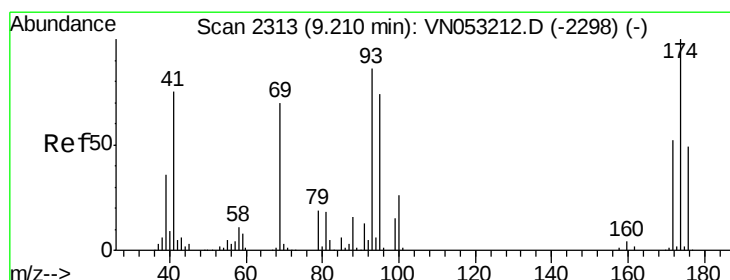
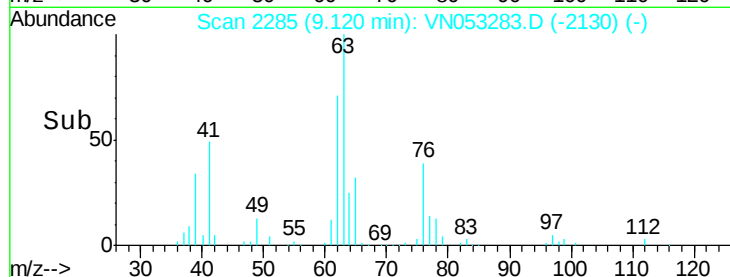
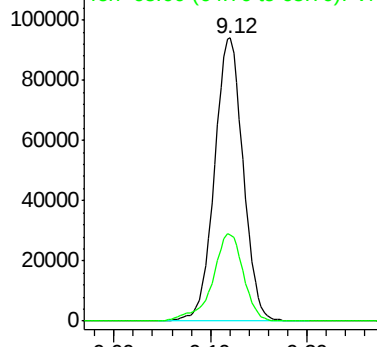
63 100

65 30.7 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.349 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

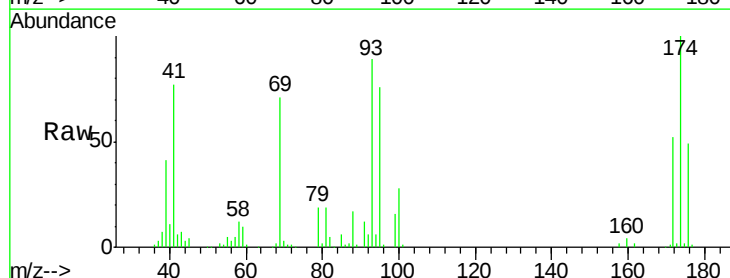
Tgt Ion: 93 Resp: 113929

Ion Ratio Lower Upper

93 100

95 84.4 0.0 168.4

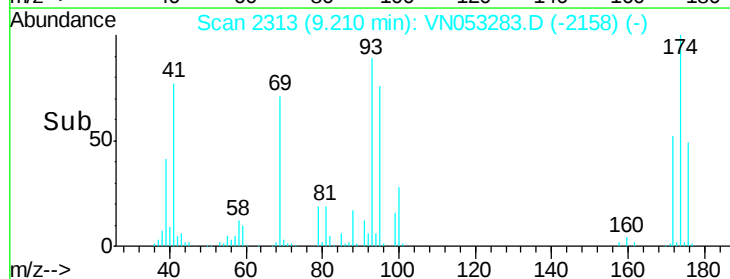
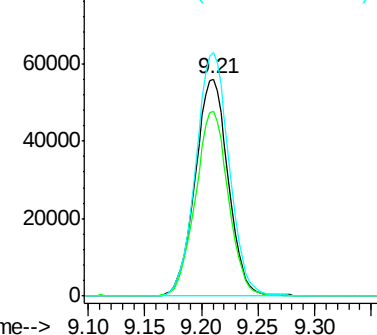
174 112.6 0.0 210.0

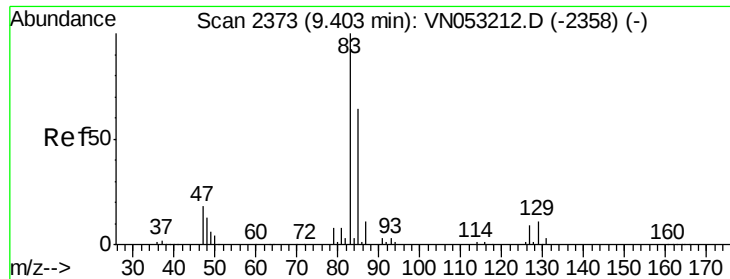


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.462 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

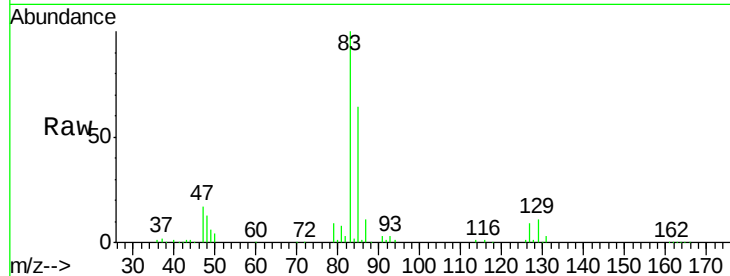
Tot Ion: 83 Resp: 234501

Ion Ratio Lower Upper

83 100

85 63.8 52.4 78.6

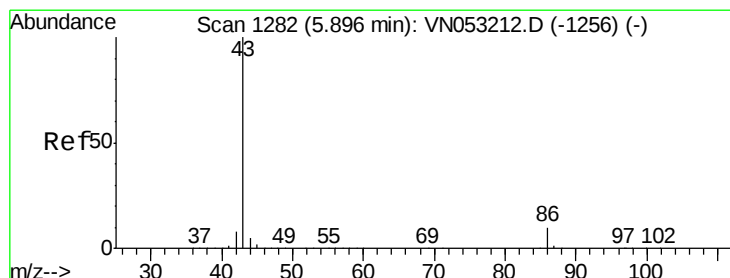
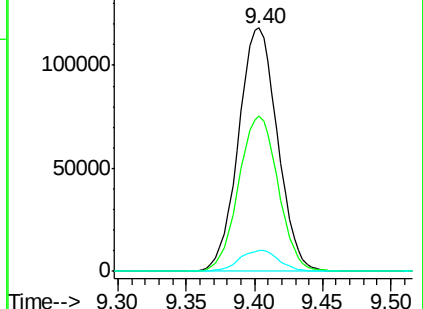
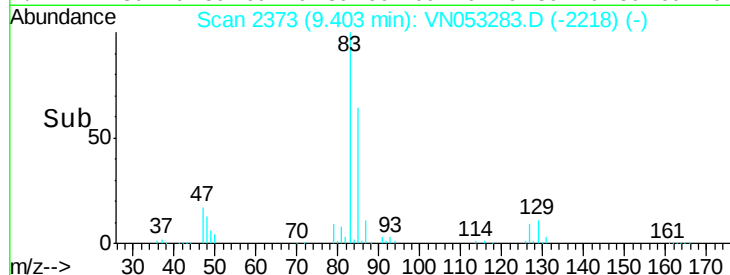
127 8.6 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN053283.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN053283.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN053283.D (-2218) (-)



#42

Vinyl Acetate

Concen: 106.863 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN053283.D

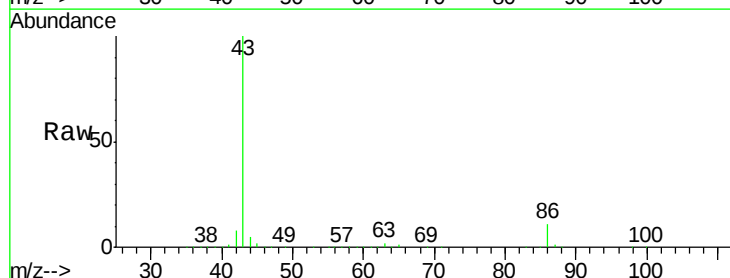
Acq: 4 Jan 2019 15:46

Tgt Ion: 43 Resp: 1748958

Ion Ratio Lower Upper

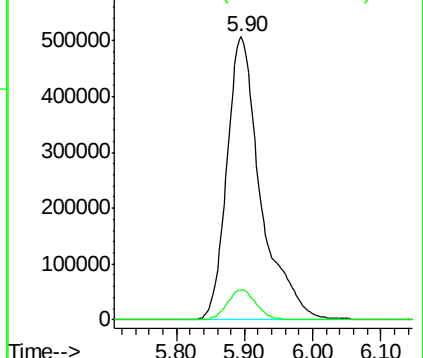
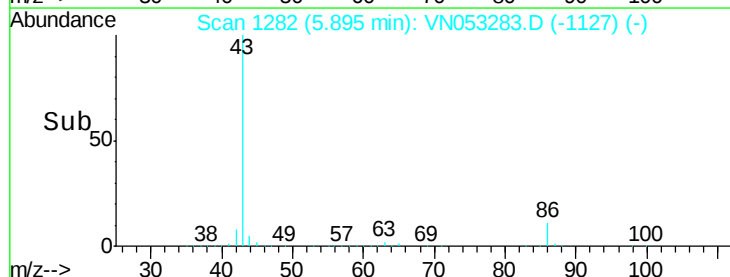
43 100

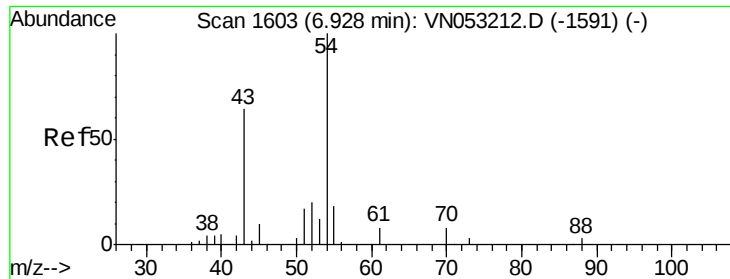
86 9.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN053283.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN053283.D (-1127) (-)





#43

Ethyl Acetate

Concen: 22.681 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

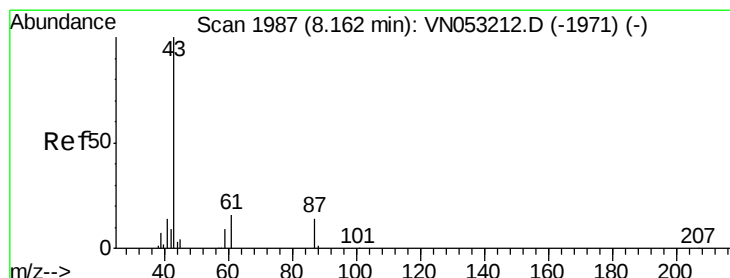
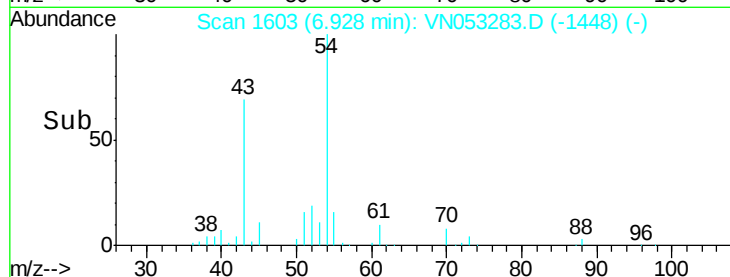
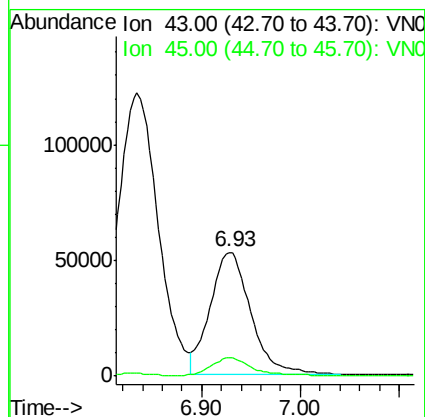
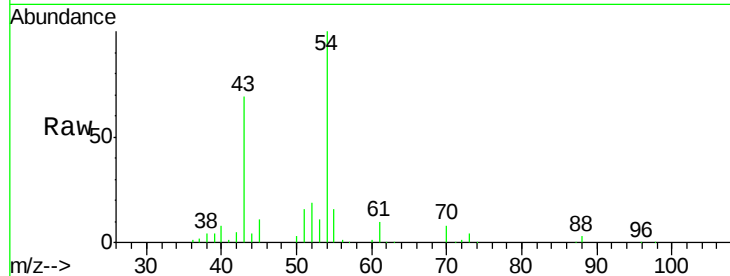
VSTDCCC020EC

Tot Ion: 43 Resp: 151950

Ion Ratio Lower Upper

43 100

45 15.3 1.0 1.6#



#44

Isopropyl Acetate

Concen: 22.024 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053283.D

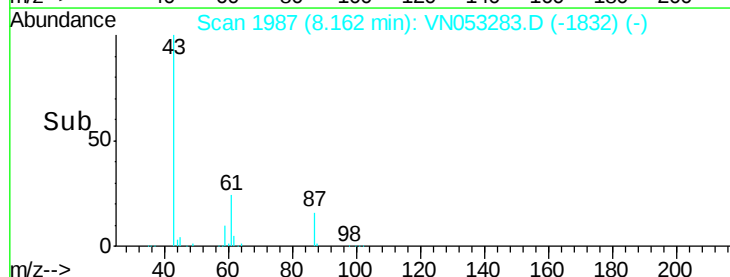
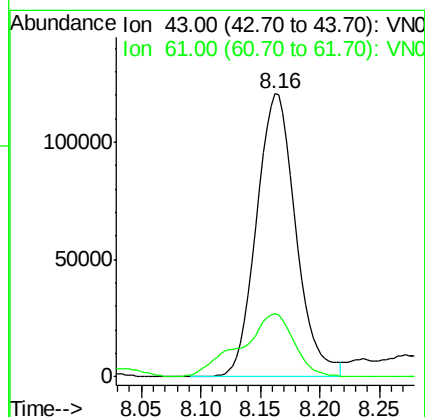
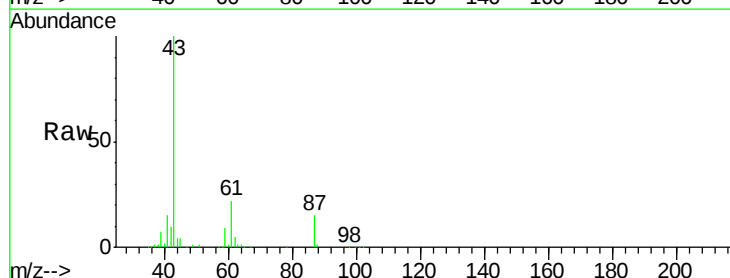
Acq: 4 Jan 2019 15:46

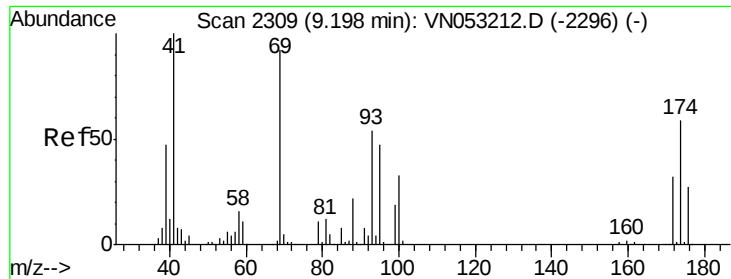
Tgt Ion: 43 Resp: 274852

Ion Ratio Lower Upper

43 100

61 30.3 16.0 24.0#

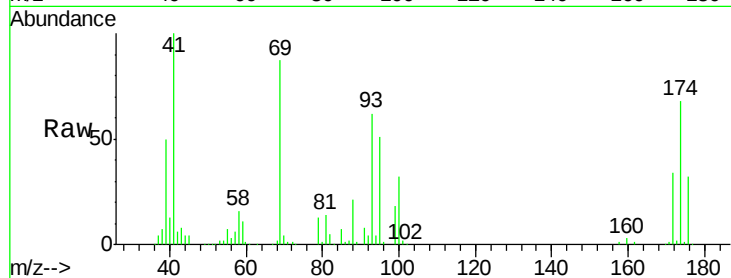




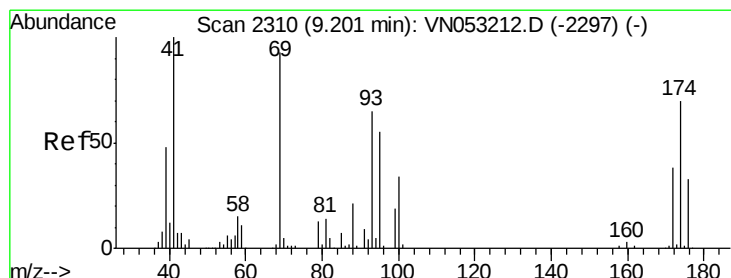
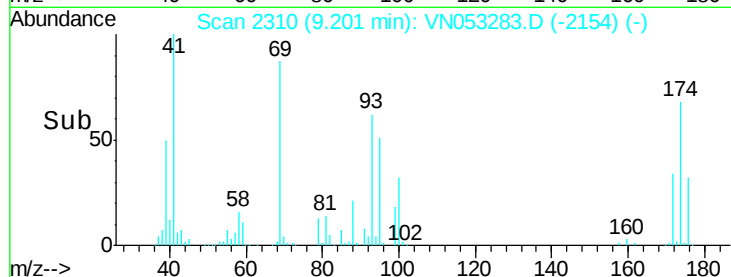
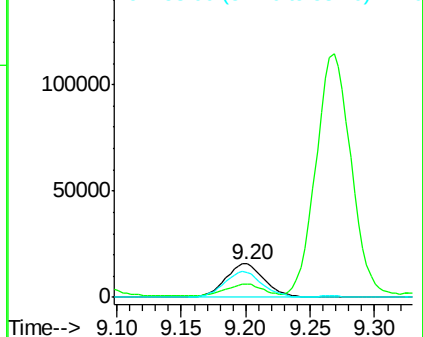
#45
 1,4-Dioxane
 Concen: 439.673 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 33553
 Ion Ratio Lower Upper
 88 100
 43 32.1 29.5 44.3
 58 73.7 61.5 92.3

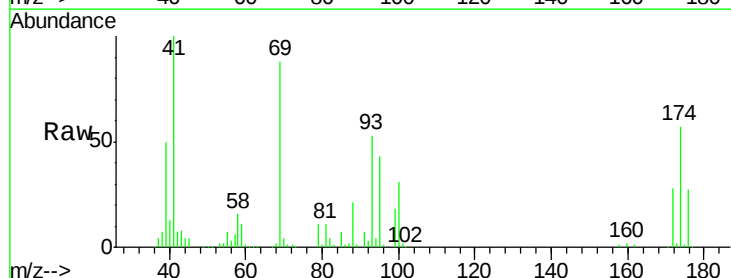


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

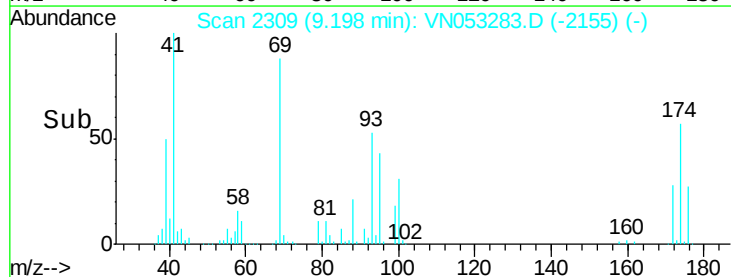
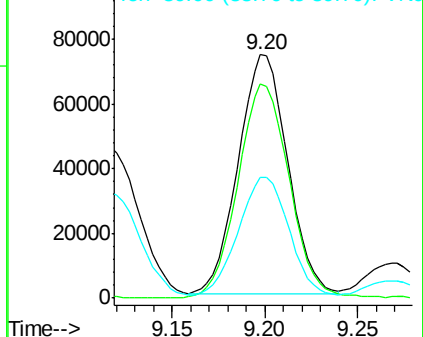


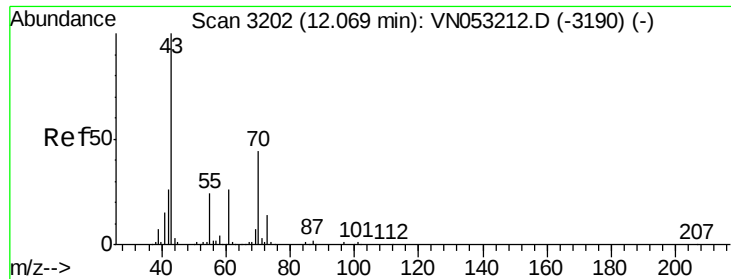
#46
 Methyl methacrylate
 Concen: 21.714 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion: 41 Resp: 136899
 Ion Ratio Lower Upper
 41 100
 69 89.1 42.5 127.6
 39 49.1 26.3 78.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 23.399 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

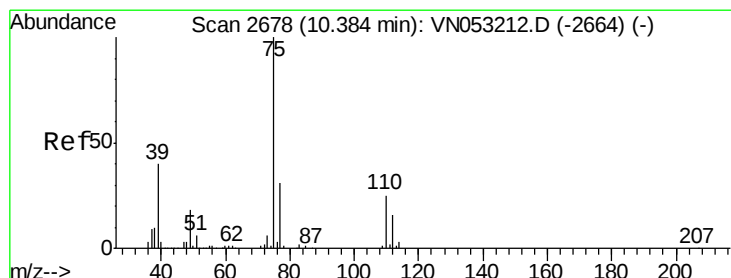
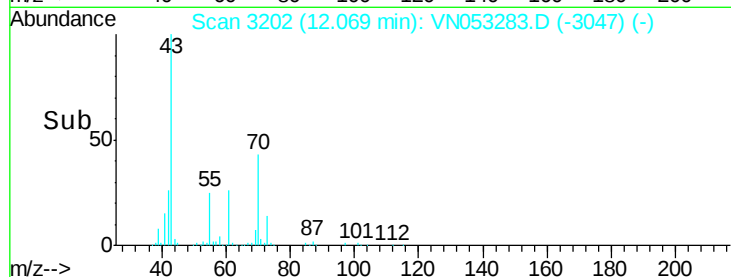
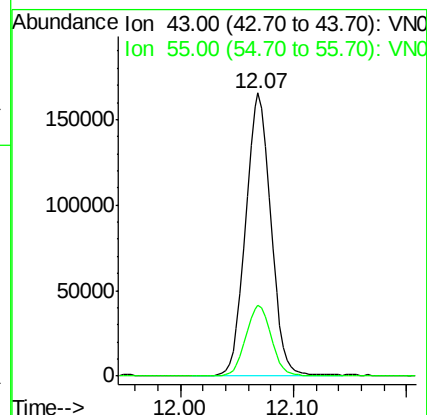
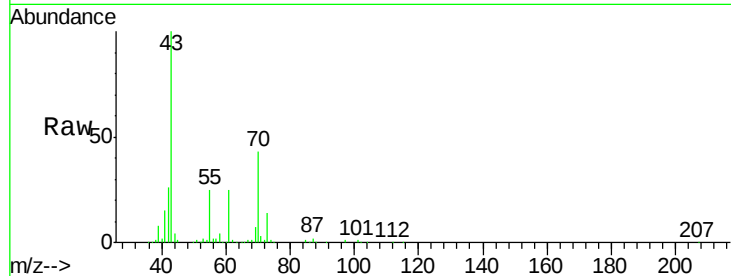
VSTDCCC020EC

Tot Ion: 43 Resp: 256449

Ion Ratio Lower Upper

43 100

55 25.4 21.1 31.7



#48

t-1,3-Dichloropropene

Concen: 19.670 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053283.D

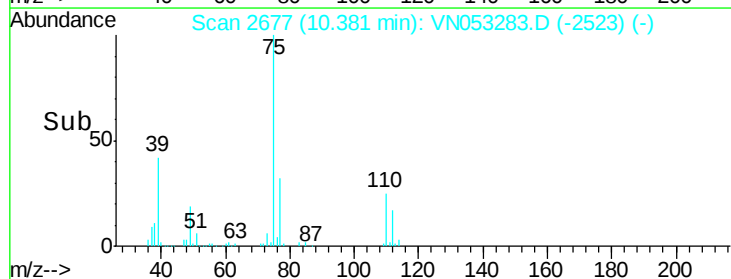
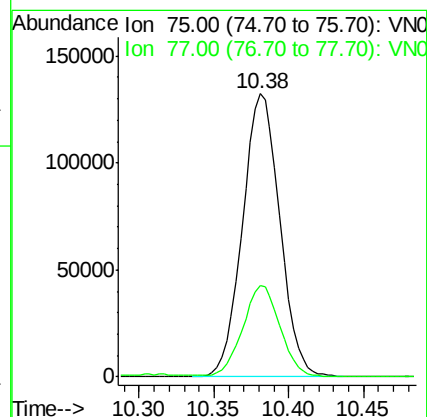
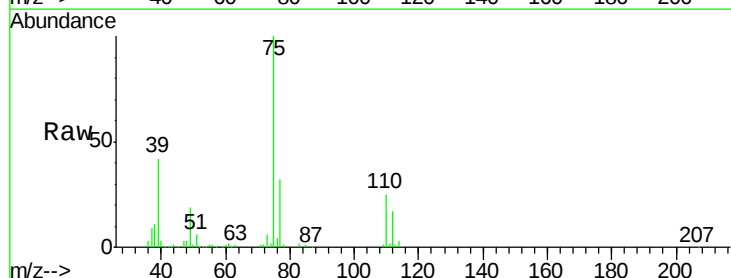
Acq: 4 Jan 2019 15:46

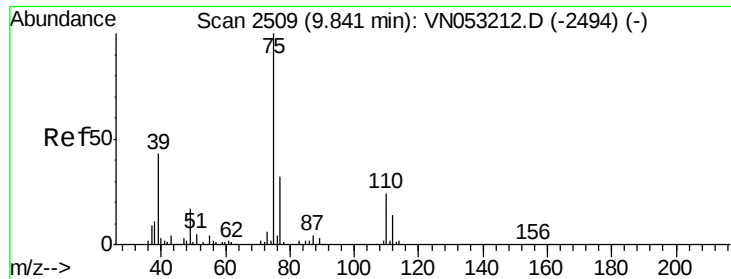
Tgt Ion: 75 Resp: 230077

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



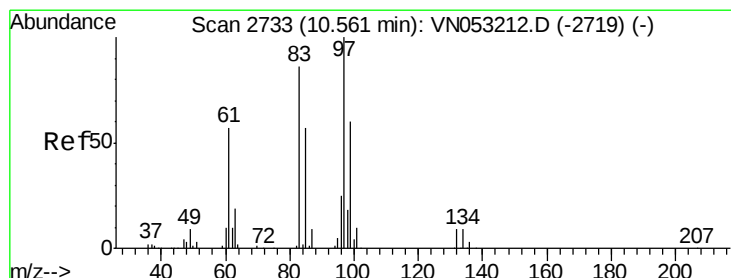
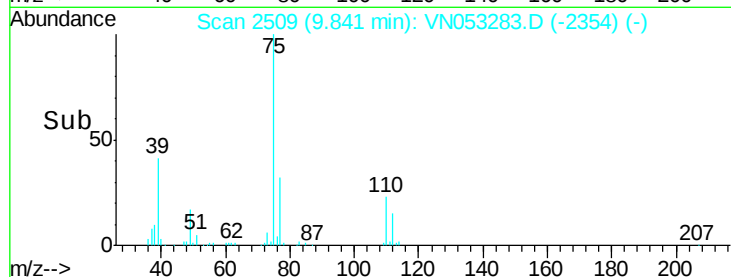
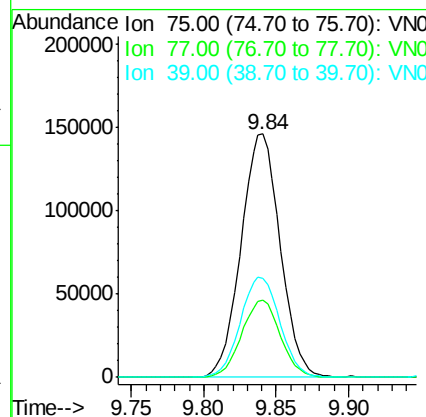
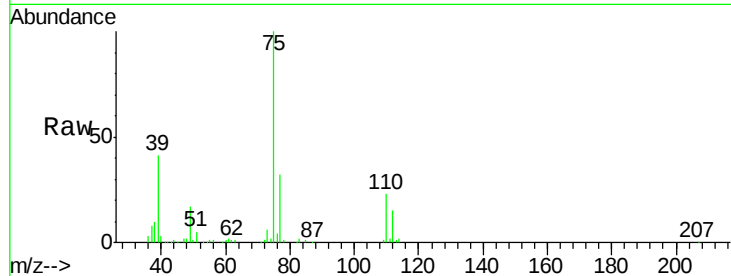


#49

cis-1,3-Dichloropropene
 Concen: 19.864 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

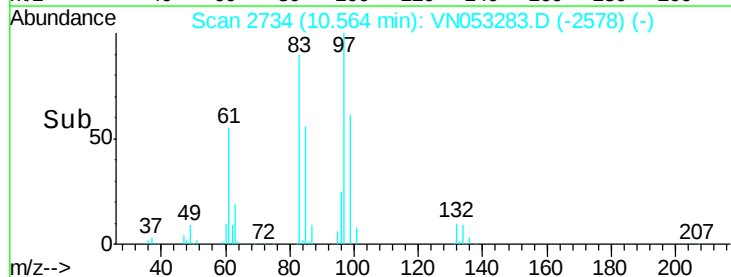
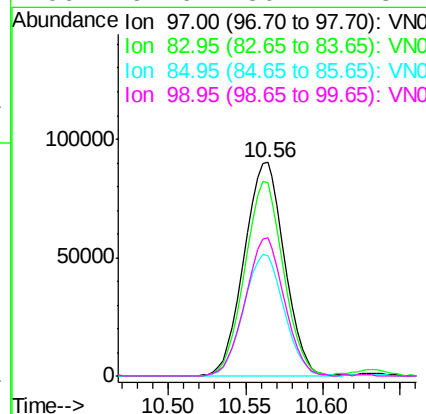
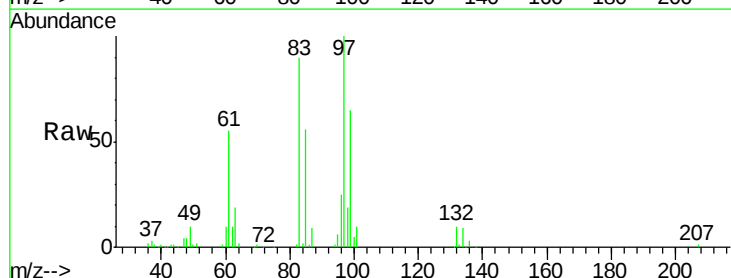
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	40.7	37.3	55.9

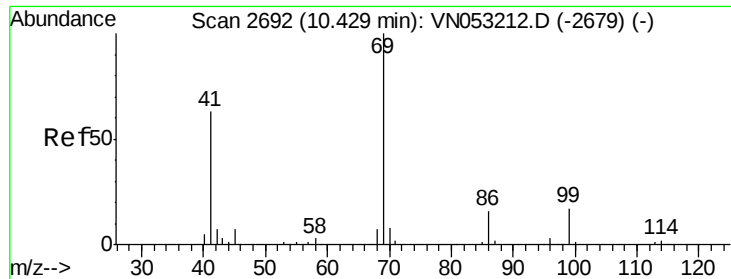


#50

1,1,2-Trichloroethane
 Concen: 21.443 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.4	70.4	105.6
85	56.5	45.0	67.6
99	64.6	50.2	75.2





#51

Ethyl methacrylate

Concen: 21.399 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

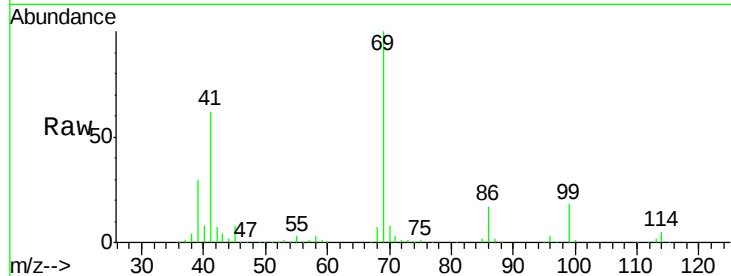
Tot Ion: 69 Resp: 213397

Ion Ratio Lower Upper

69 100

41 61.5 34.4 103.3

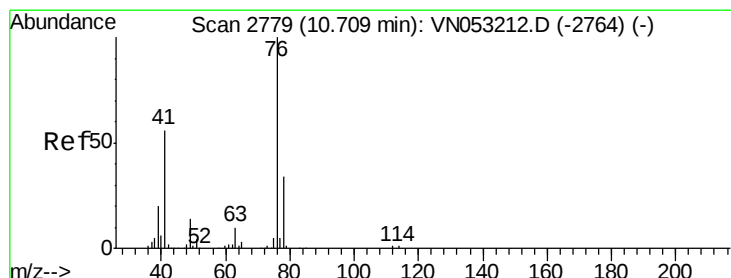
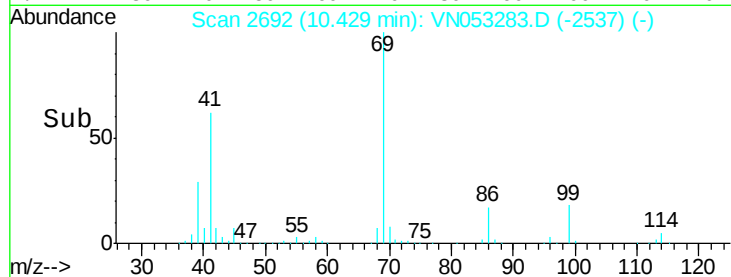
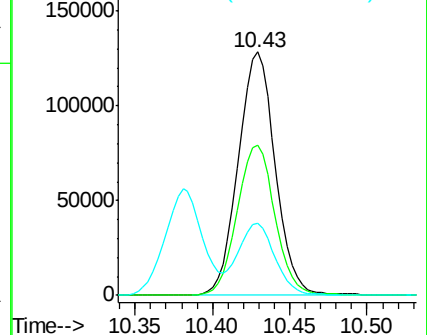
39 29.3 16.4 49.2



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: 21.332 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053283.D

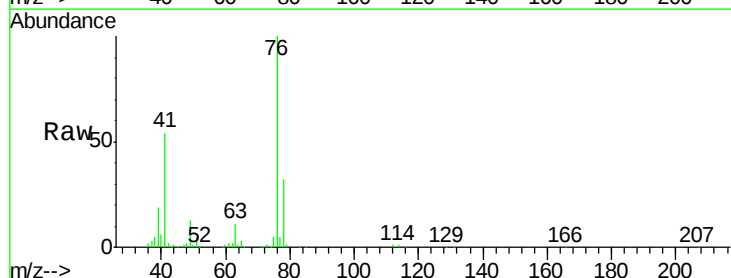
Acq: 4 Jan 2019 15:46

Tgt Ion: 76 Resp: 281173

Ion Ratio Lower Upper

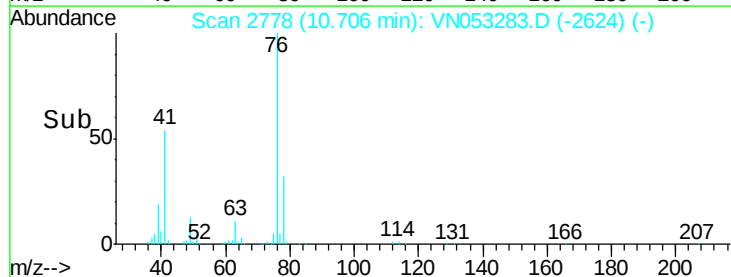
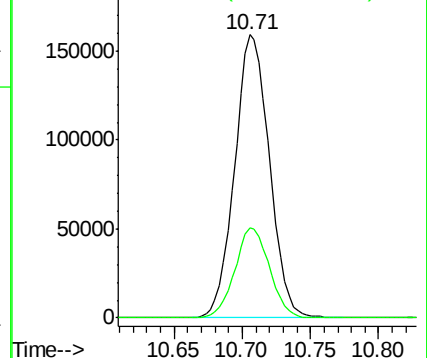
76 100

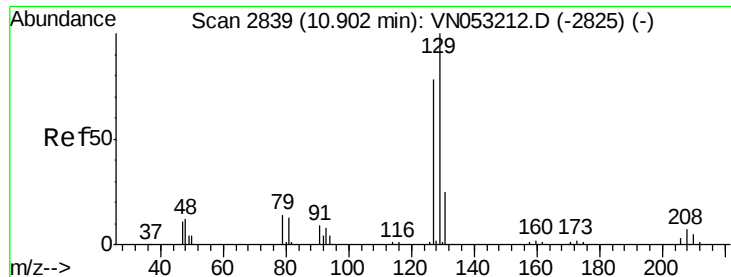
78 31.9 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.881 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

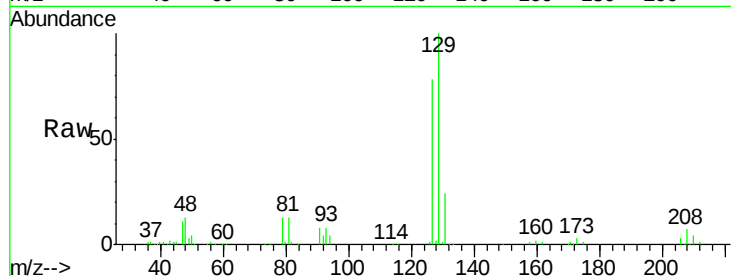
VSTDCCC020EC

Tot Ion:129 Resp: 179446

Ion Ratio Lower Upper

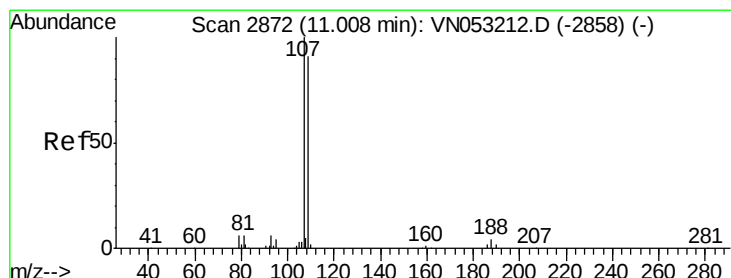
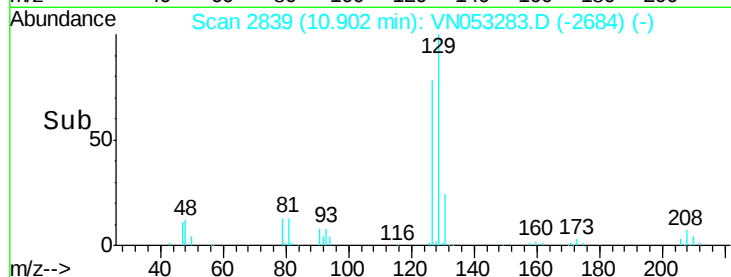
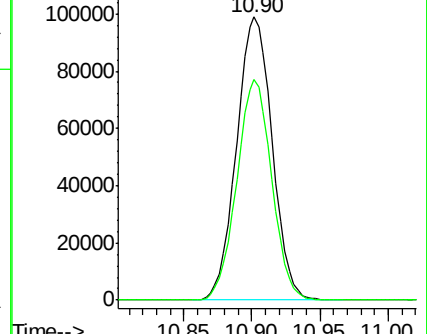
129 100

127 76.5 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.160 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053283.D

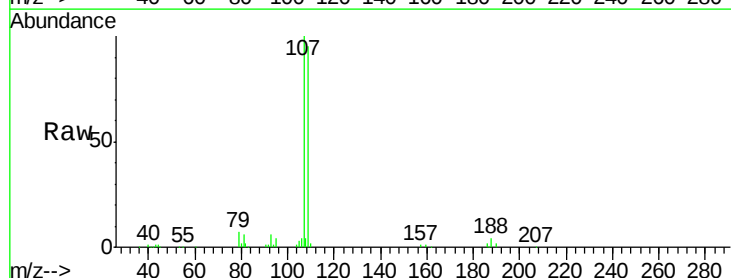
Acq: 4 Jan 2019 15:46

Tgt Ion:107 Resp: 163331

Ion Ratio Lower Upper

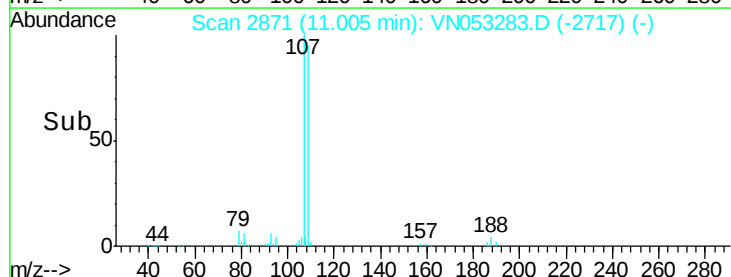
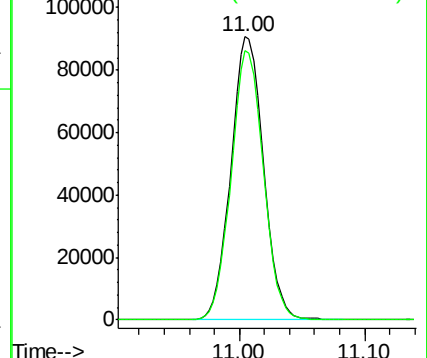
107 100

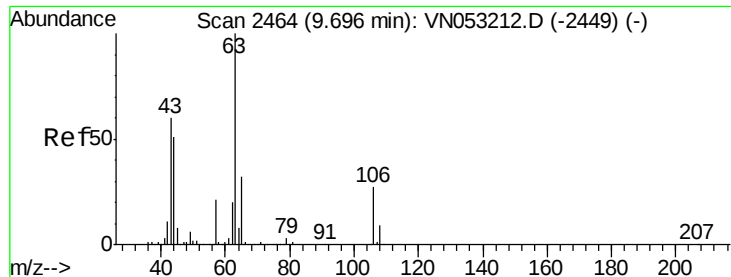
109 94.1 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

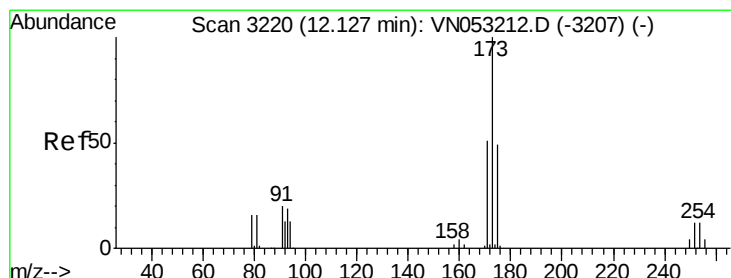
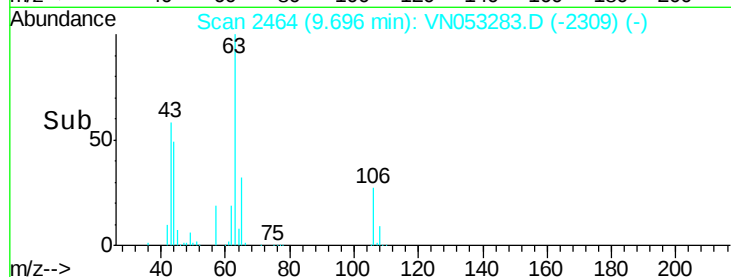
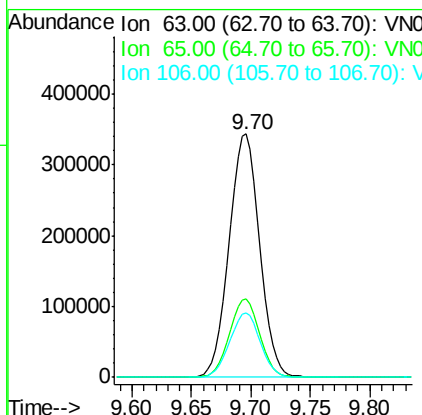
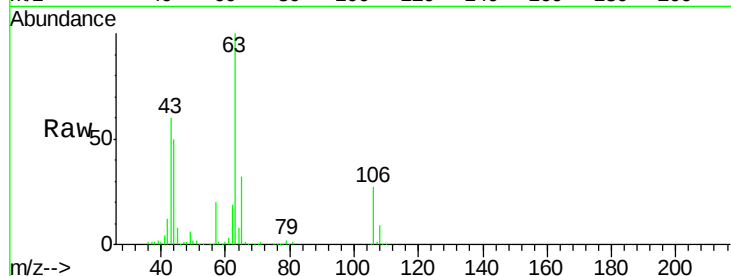




#55
2-Chloroethyl vinyl ether
Concen: 106.847 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

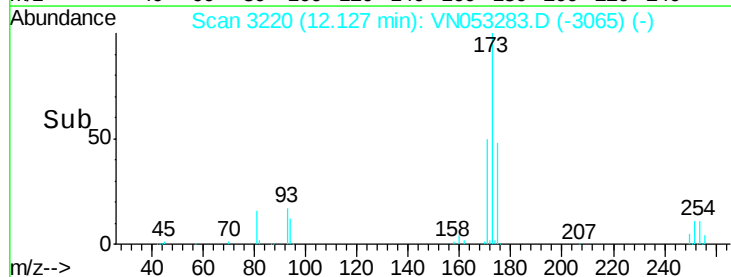
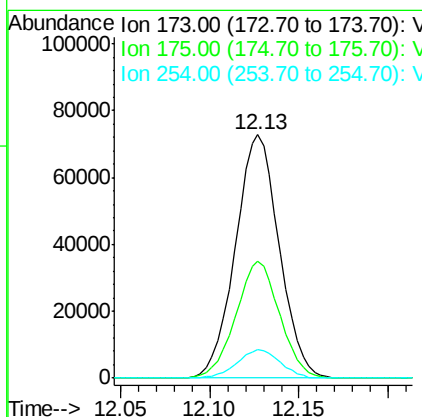
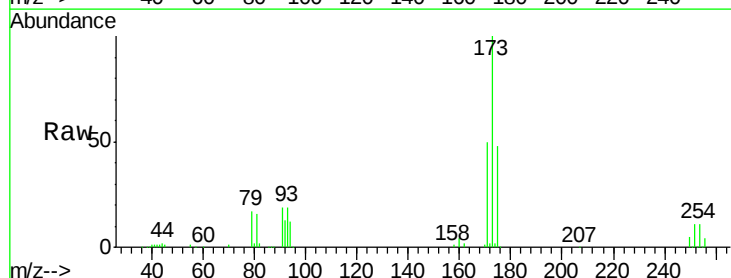
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

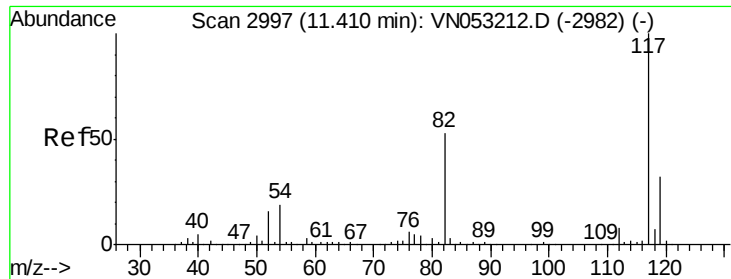
Tot Ion: 63 Resp: 611488
Ion Ratio Lower Upper
63 100
65 31.9 25.4 38.2
106 26.6 20.4 30.6



#56
Bromoform
Concen: 21.204 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion: 173 Resp: 124655
Ion Ratio Lower Upper
173 100
175 48.1 38.7 58.1
254 11.5 8.4 12.6

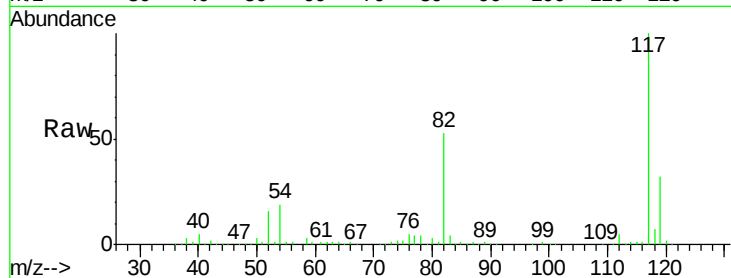




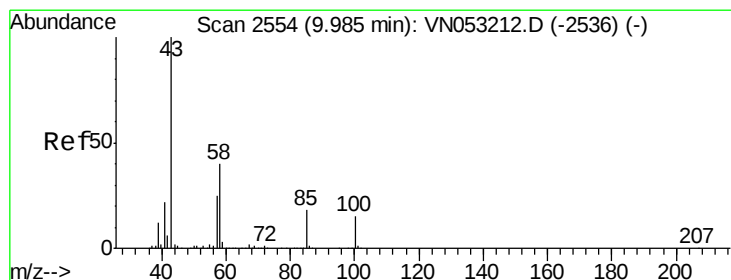
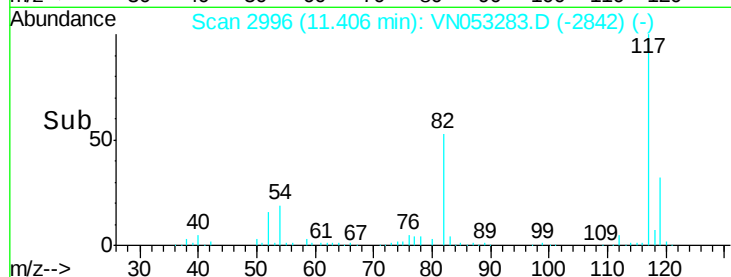
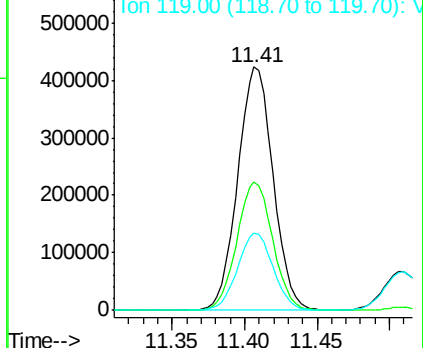
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 718280
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 31.9 25.4 38.2

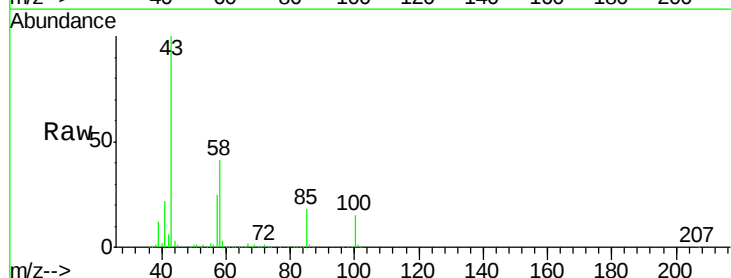


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 119.00 (118.70 to 119.70): V

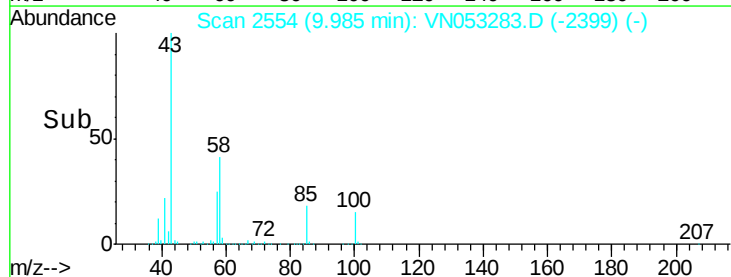
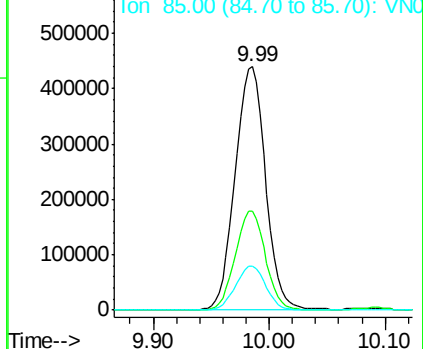


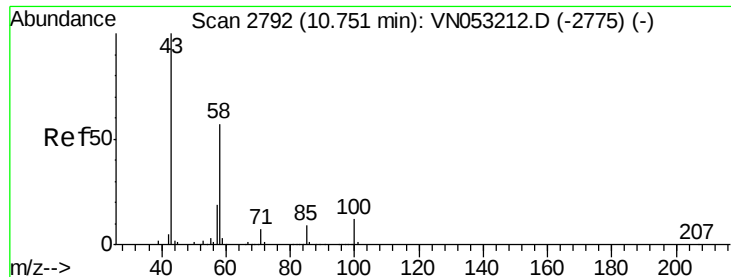
#58
4-Methyl-2-Pentanone
Concen: 116.601 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion: 43 Resp: 798072
Ion Ratio Lower Upper
43 100
58 40.5 31.6 47.4
85 18.0 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO

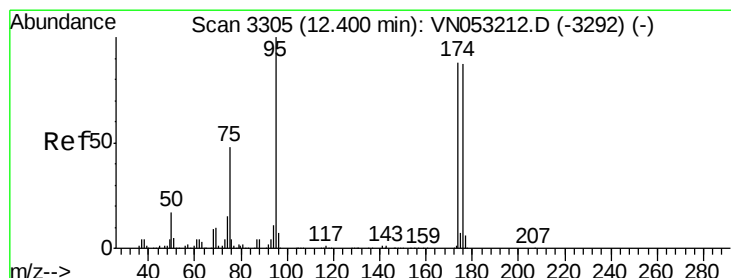
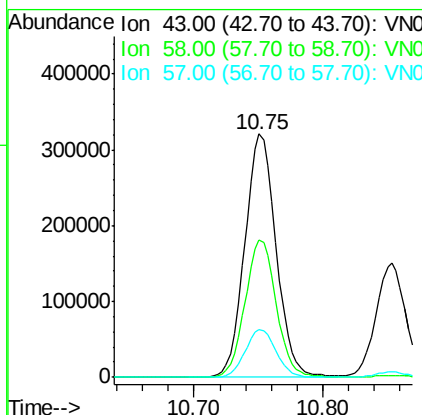
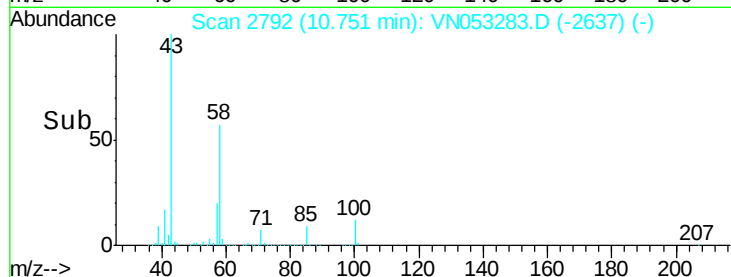
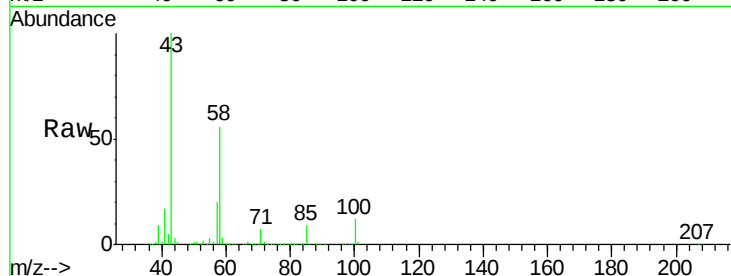




#59
2-Hexanone
Concen: 114.565 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

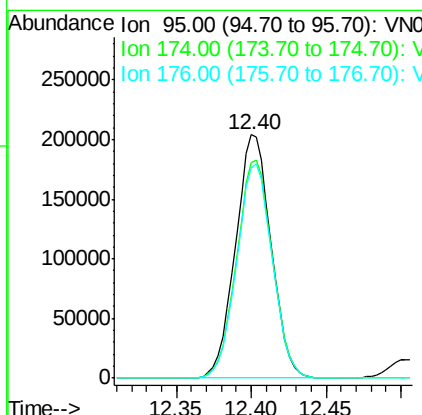
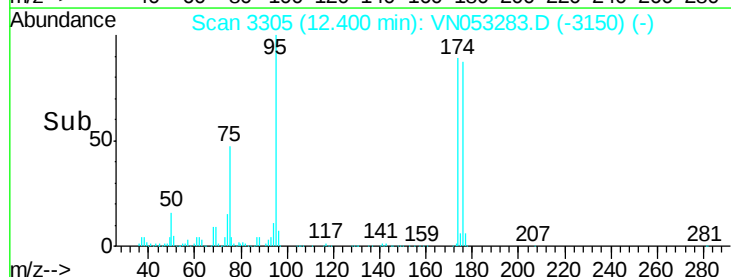
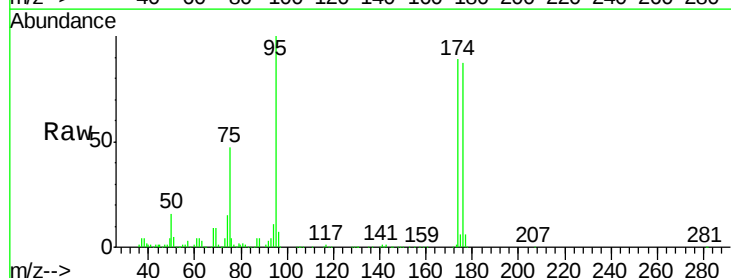
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

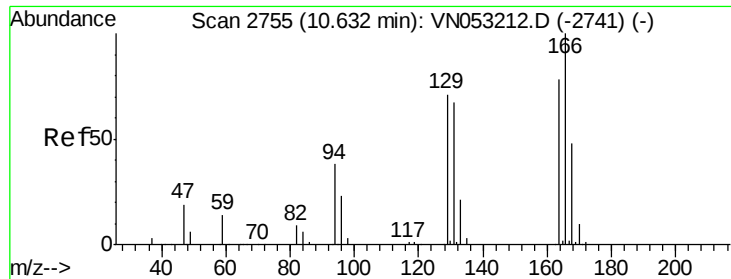
Tot Ion: 43 Resp: 541338
Ion Ratio Lower Upper
43 100
58 56.4 43.2 64.8
57 19.5 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 114.565 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion: 95 Resp: 336612
Ion Ratio Lower Upper
95 100
174 90.3 67.9 101.9
176 88.1 66.4 99.6





#61

Tetrachloroethene

Concen: 20.970 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 222590

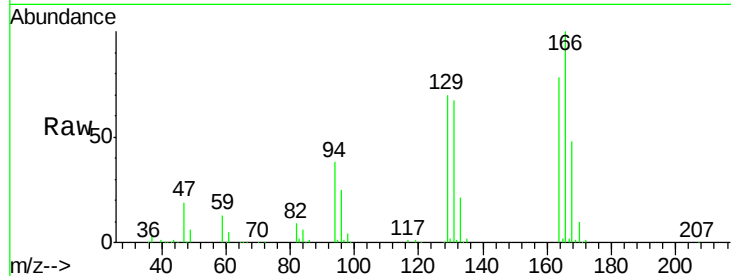
Ion Ratio Lower Upper

164 100

166 128.4 104.6 157.0

129 89.6 75.3 112.9

131 85.9 74.3 111.5

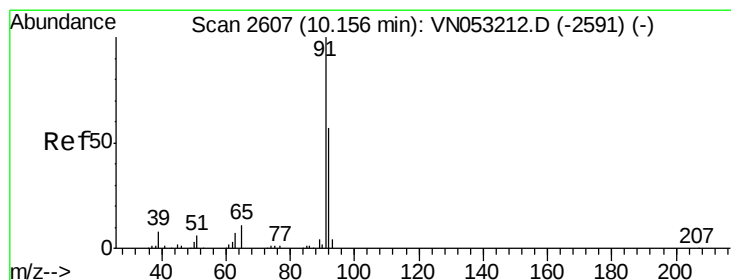
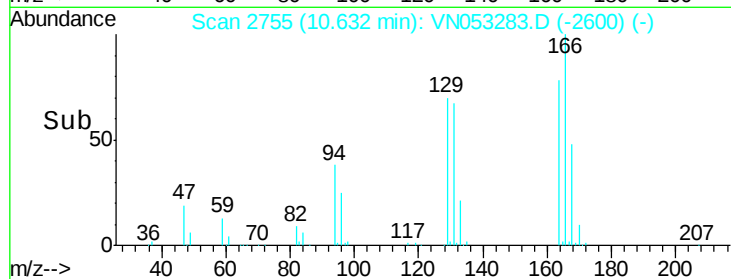
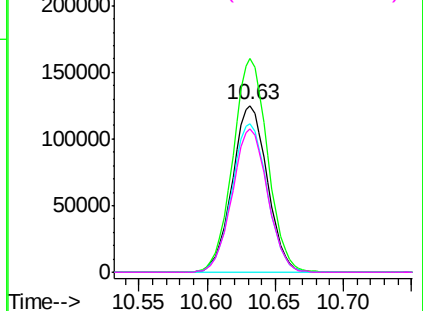


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.420 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053283.D

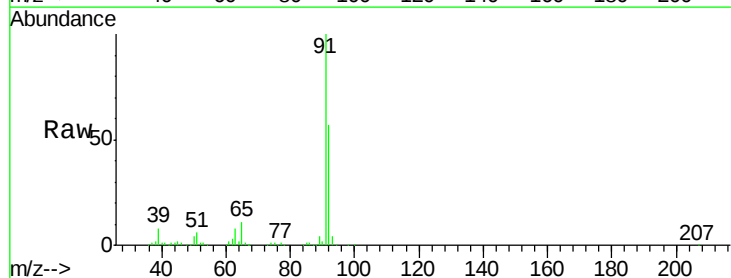
Acq: 4 Jan 2019 15:46

Tgt Ion: 91 Resp: 804419

Ion Ratio Lower Upper

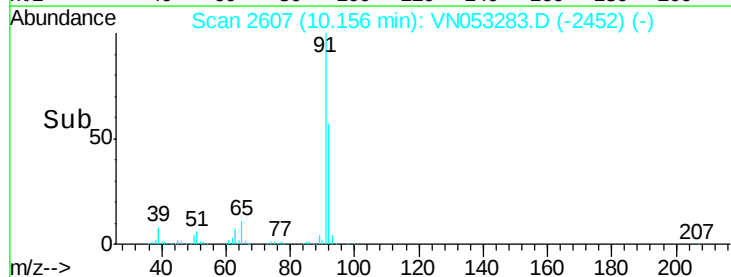
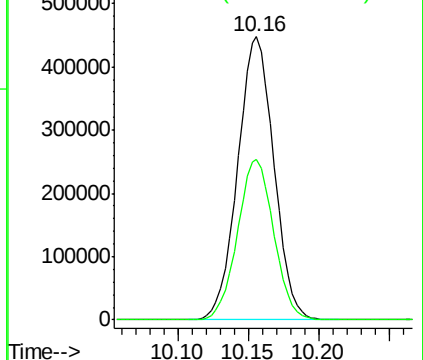
91 100

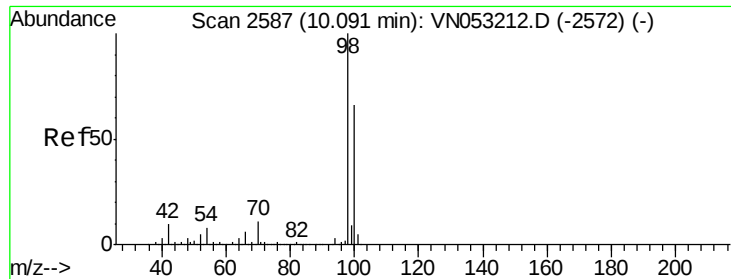
92 56.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.420 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

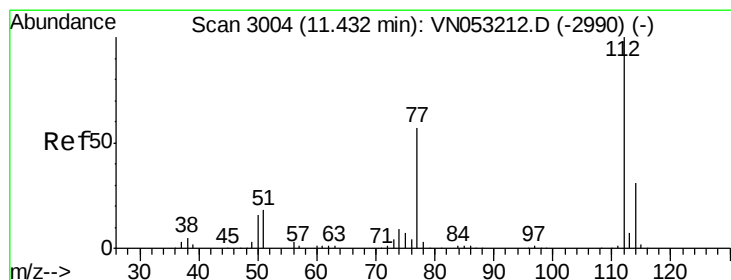
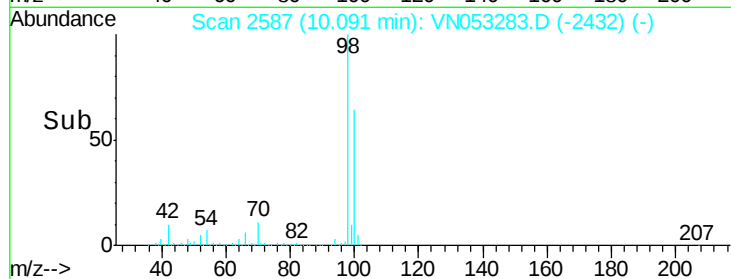
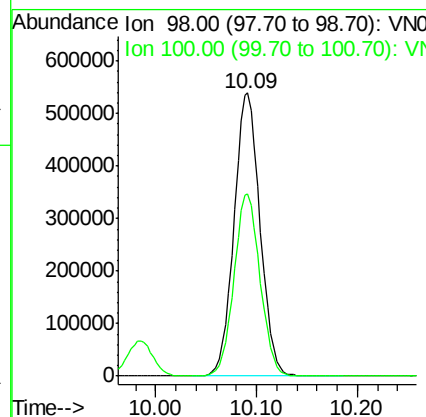
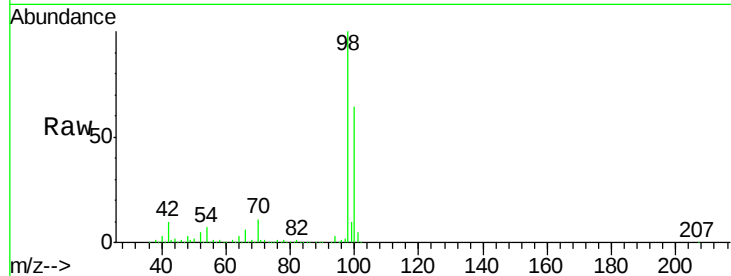
VSTDCCC020EC

Tot Ion: 98 Resp: 965745

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#64

Chlorobenzene

Concen: 20.530 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053283.D

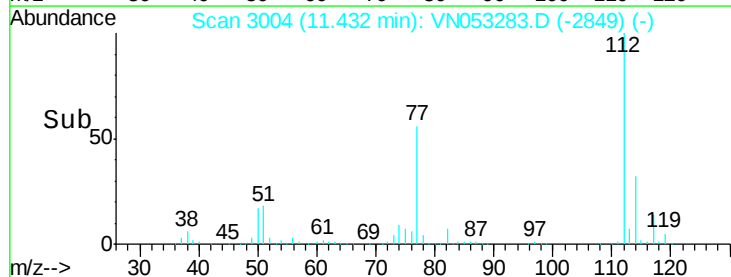
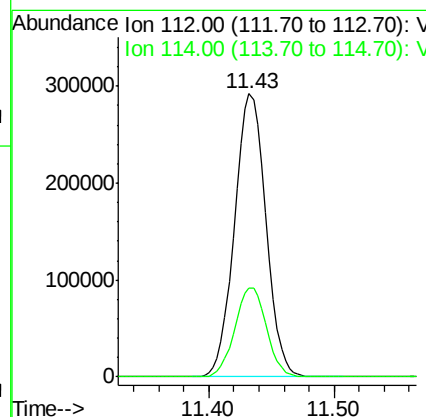
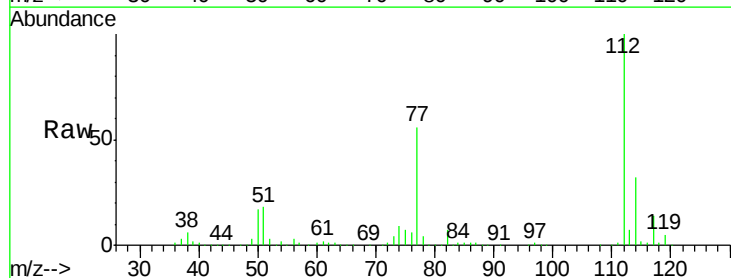
Acq: 4 Jan 2019 15:46

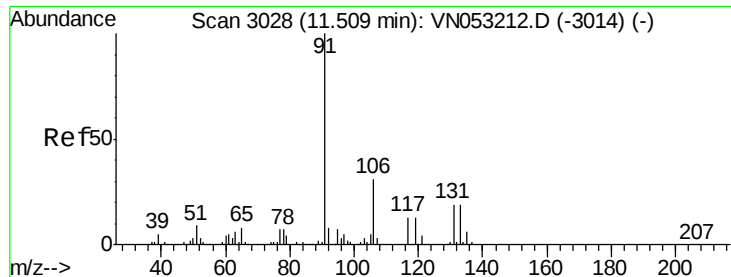
Tgt Ion: 112 Resp: 507487

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.562 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

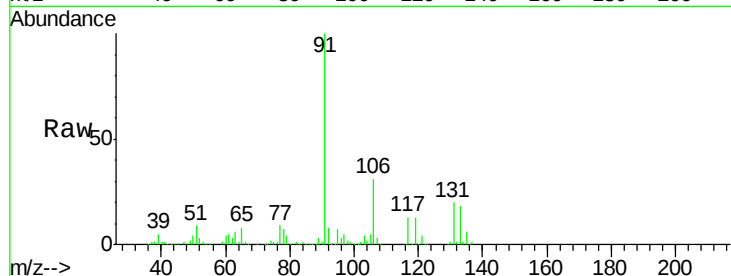
Tot Ion:131 Resp: 178297

Ion Ratio Lower Upper

131 100

133 94.1 0.0 193.4

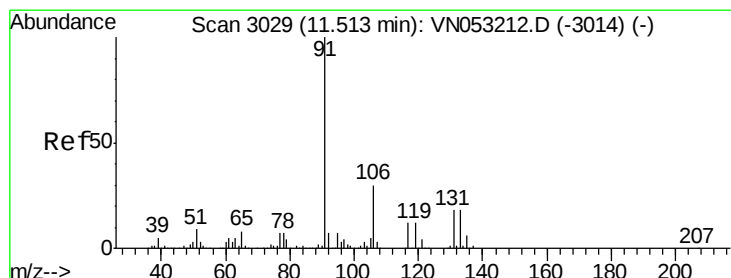
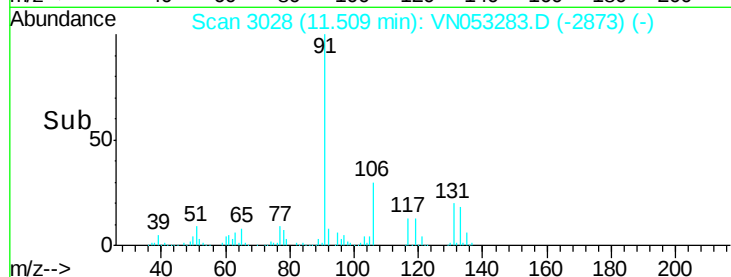
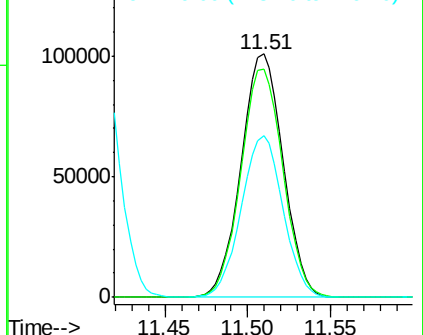
119 65.9 0.0 133.0



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: 20.370 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN053283.D

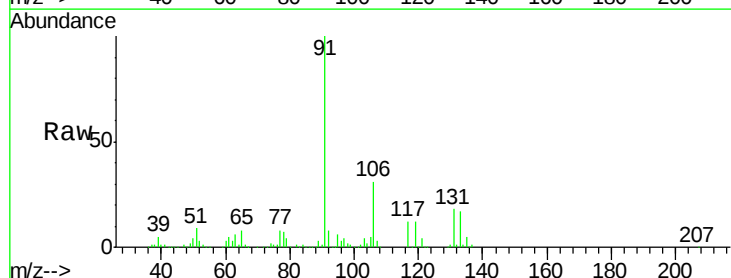
Acq: 4 Jan 2019 15:46

Tgt Ion: 91 Resp: 870164

Ion Ratio Lower Upper

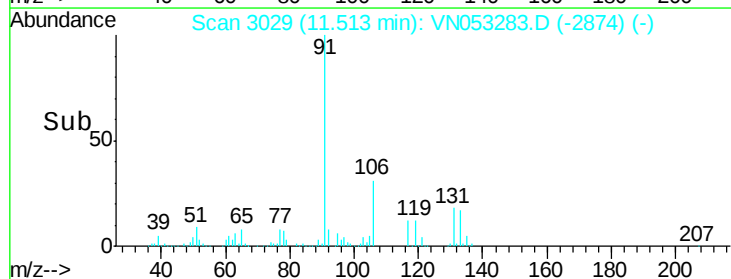
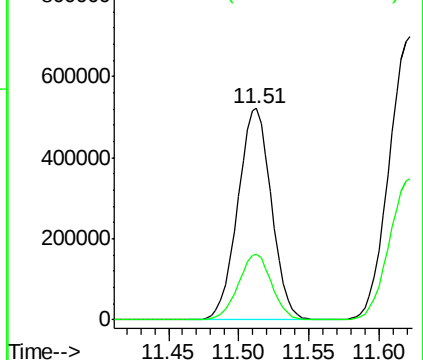
91 100

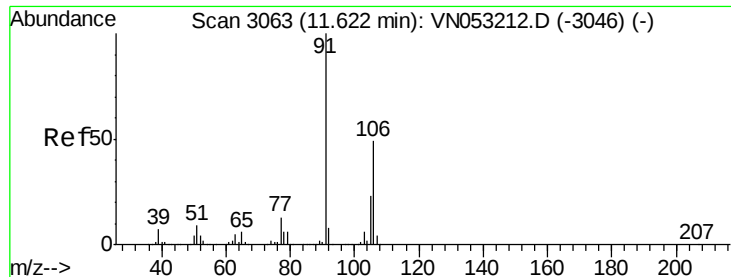
106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

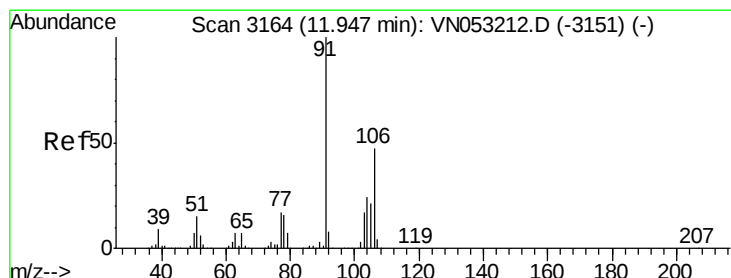
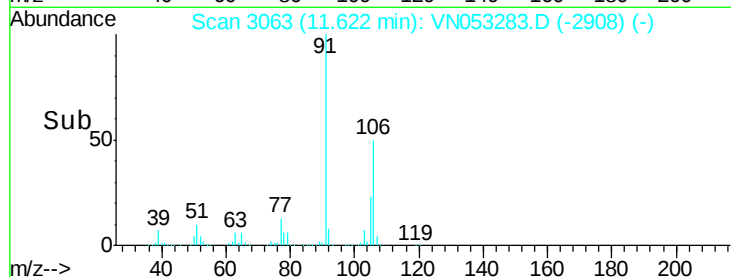
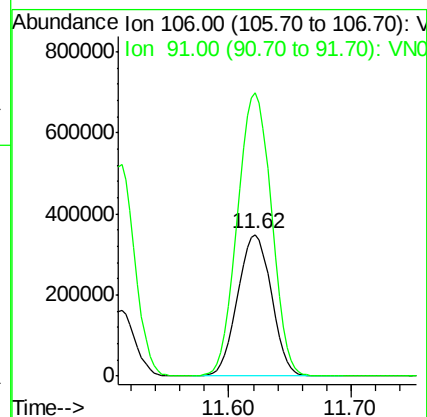
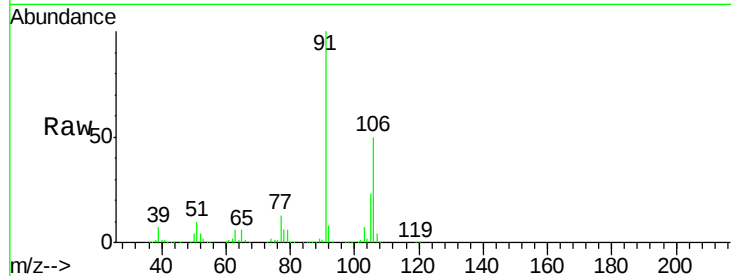




#67
m/p-Xylenes
Concen: 41.523 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

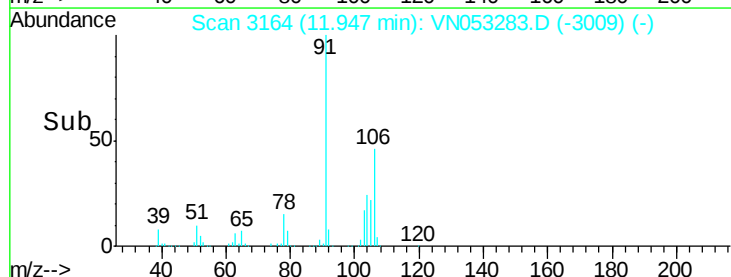
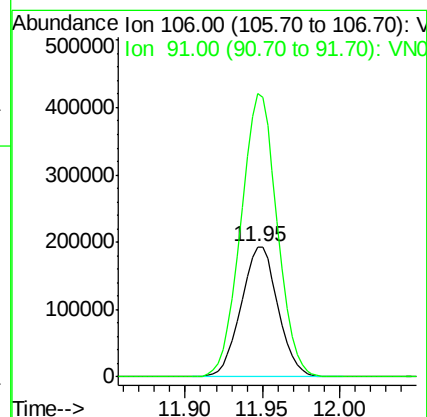
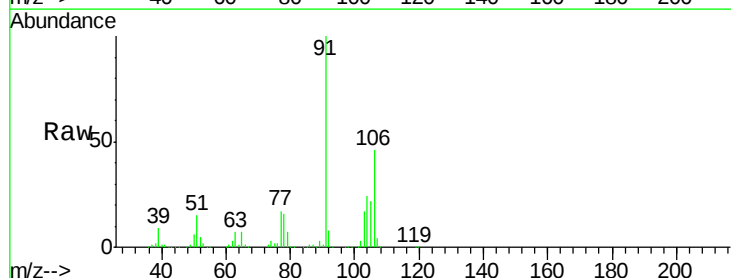
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

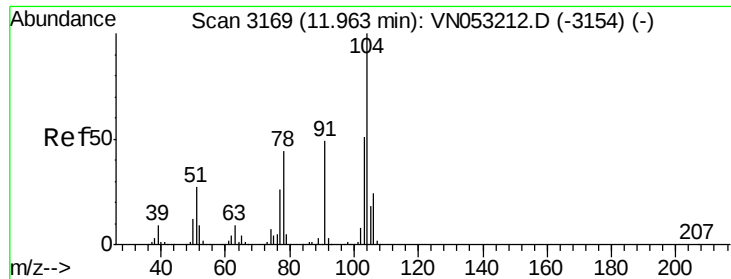
Tot Ion:106 Resp: 670861
Ion Ratio Lower Upper
106 100
91 201.6 163.9 245.9



#68
o-Xylene
Concen: 20.475 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion:106 Resp: 320553
Ion Ratio Lower Upper
106 100
91 213.5 107.8 323.4

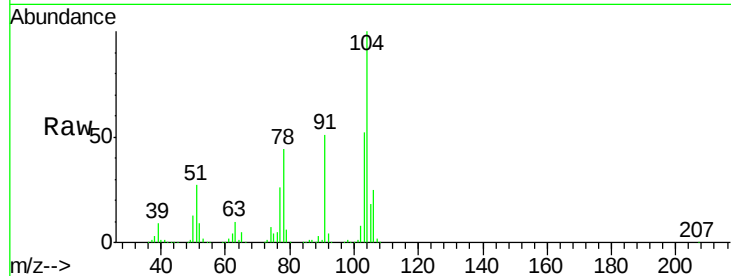




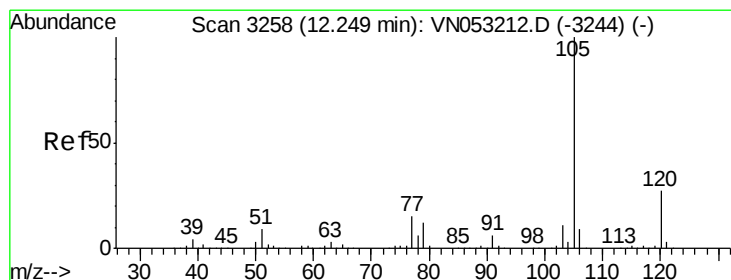
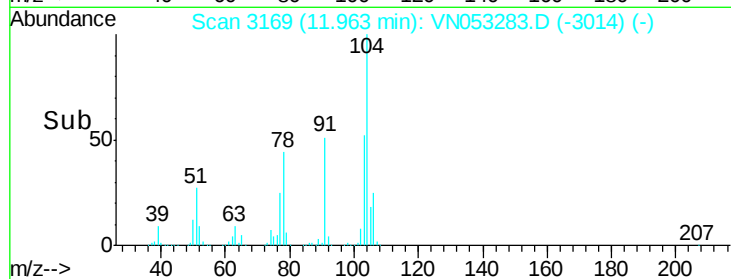
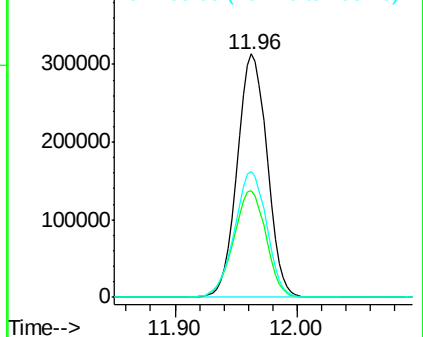
#69
Stvrene
Concen: 20.784 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 531134
Ion Ratio Lower Upper
104 100
78 47.8 39.3 58.9
103 55.6 44.6 66.8

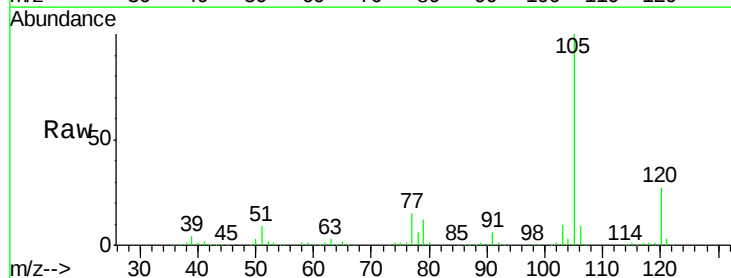


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

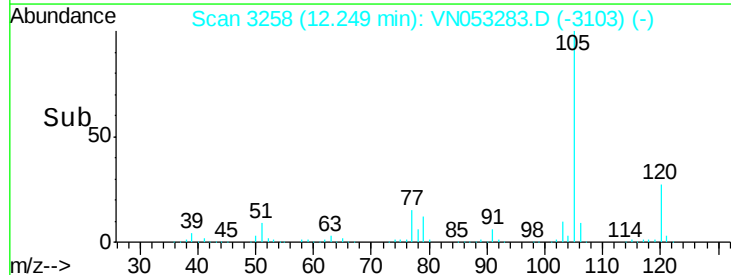
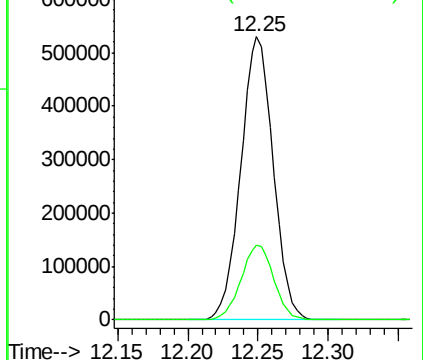


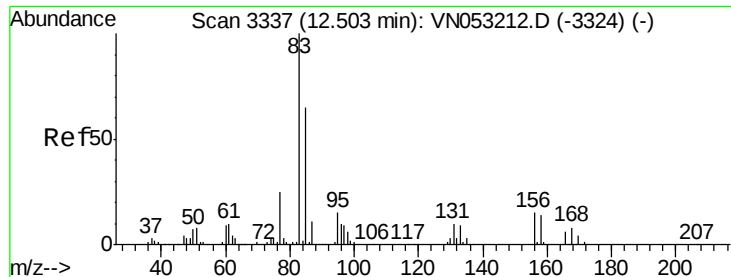
#70
Isopropylbenzene
Concen: 20.669 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion:105 Resp: 851387
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.6



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

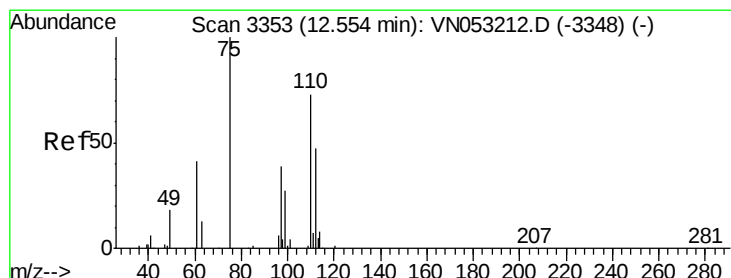
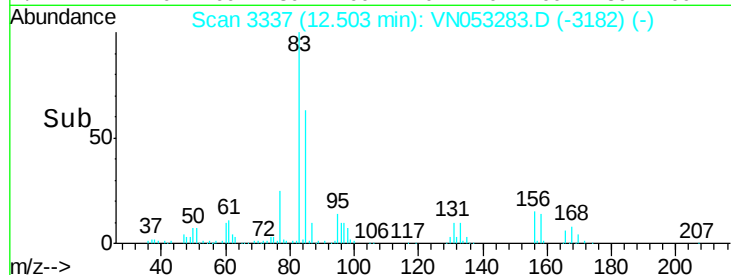
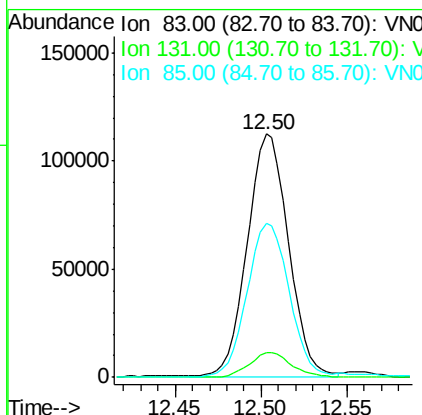
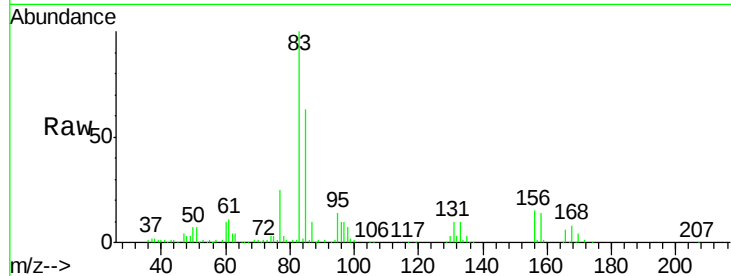




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.718 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

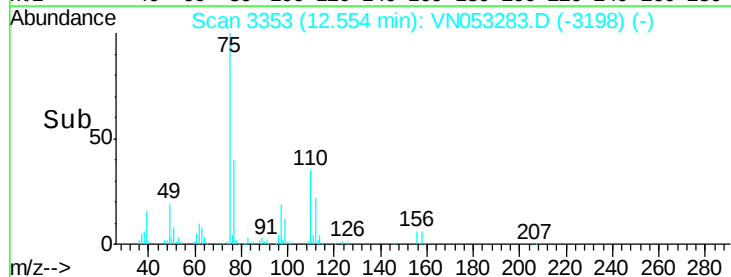
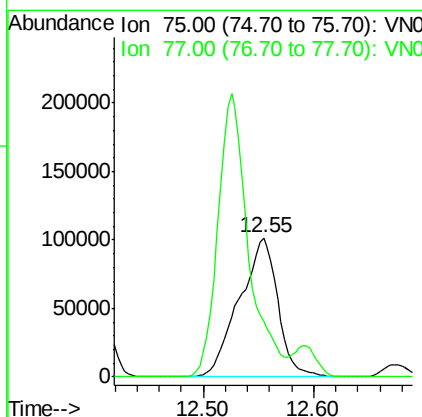
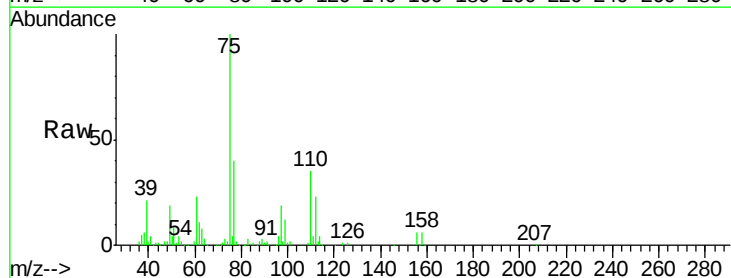
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

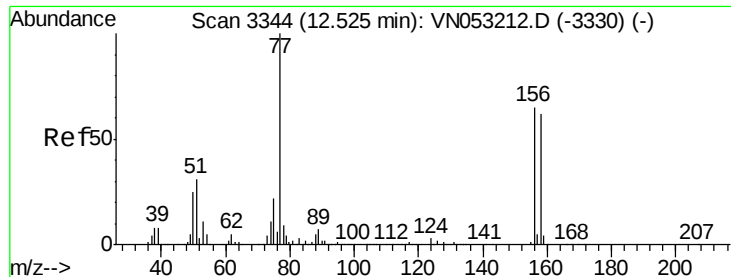
Tot Ion	83	Resp	188322
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.6
85	63.5	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 32.389 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion	75	Resp	245946
Ion Ratio	Lower	Upper	
75	100		
77	161.0	0.0	514.8





#73

Bromobenzene

Concen: 20.896 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

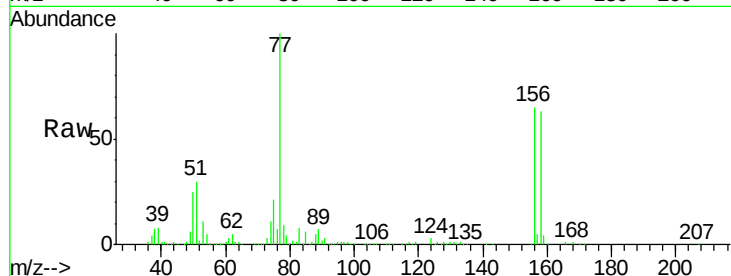
Tot Ion:156 Resp: 221253

Ion Ratio Lower Upper

156 100

77 179.0 0.0 382.6

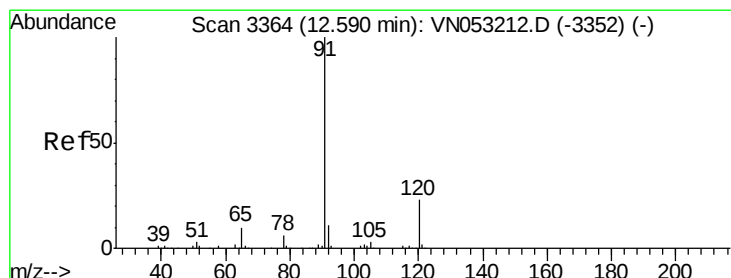
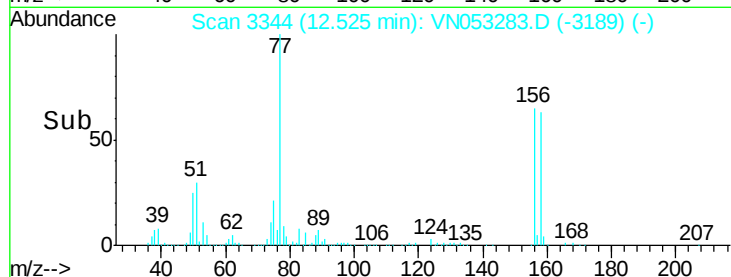
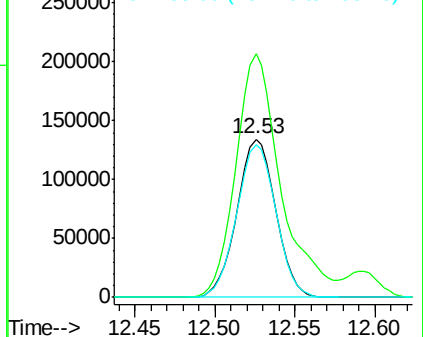
158 97.9 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.256 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053283.D

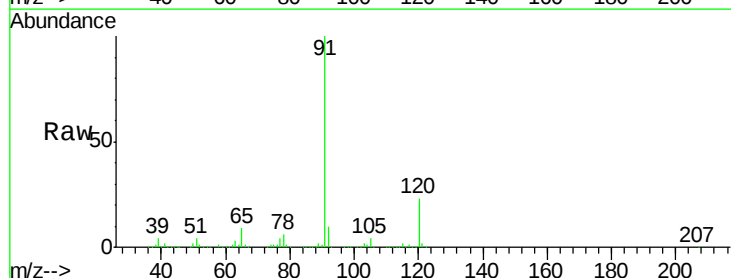
Acq: 4 Jan 2019 15:46

Tgt Ion: 91 Resp: 991148

Ion Ratio Lower Upper

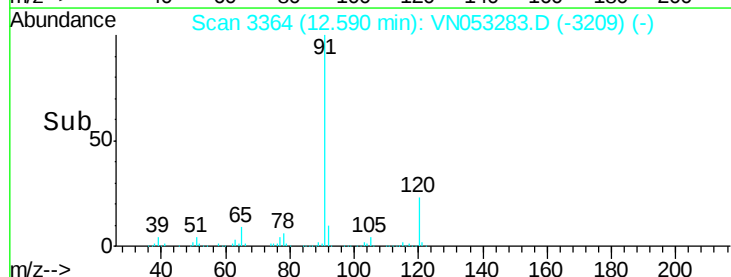
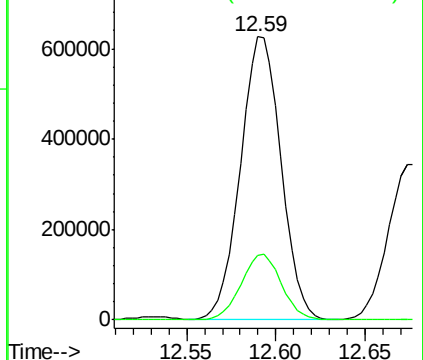
91 100

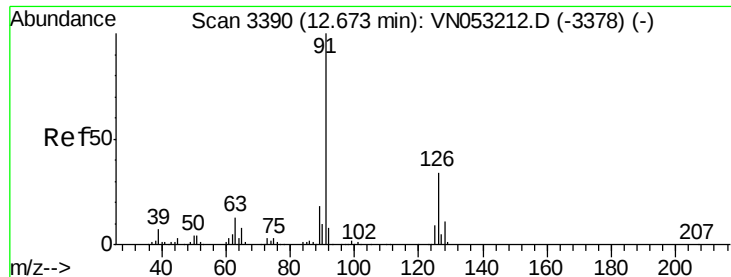
120 23.0 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.004 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

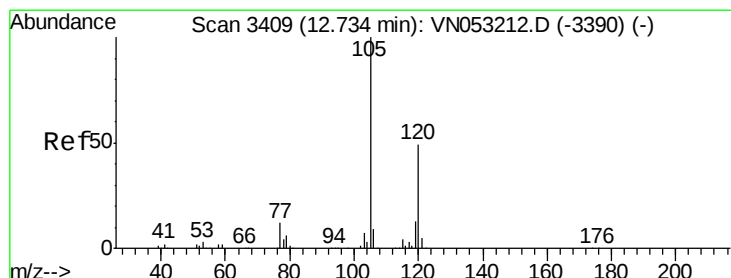
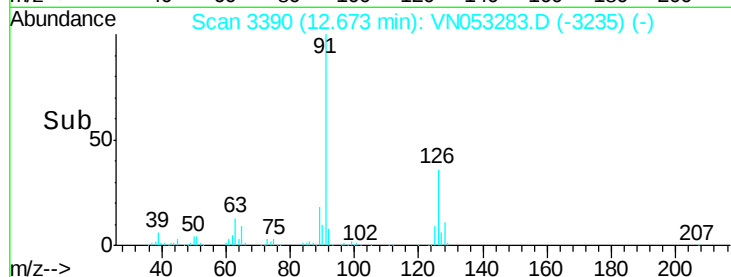
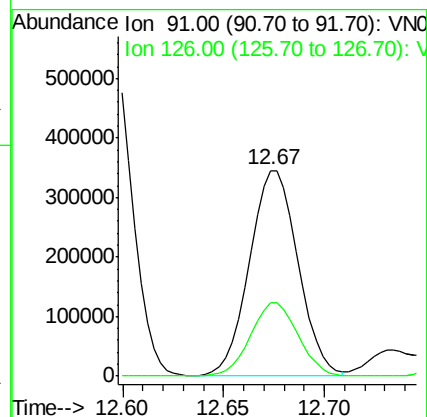
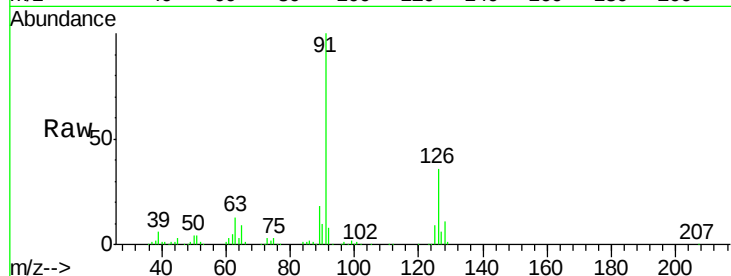
VSTDCCC020EC

Tot Ion: 91 Resp: 580034

Ion Ratio Lower Upper

91 100

126 35.3 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 21.340 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053283.D

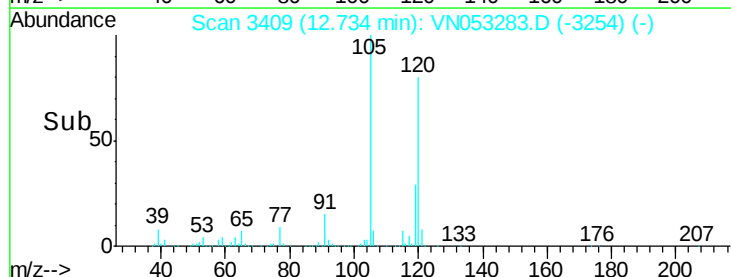
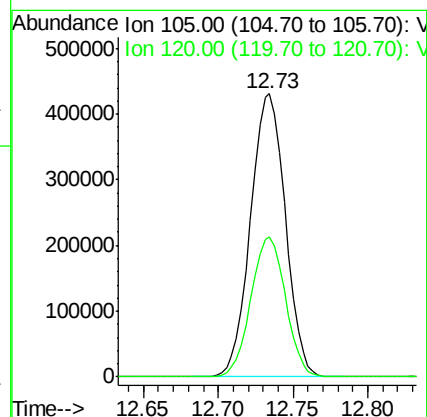
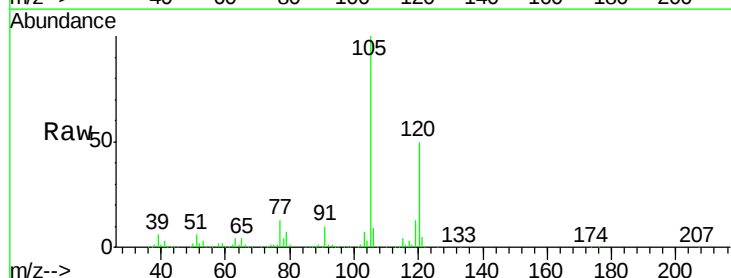
Acq: 4 Jan 2019 15:46

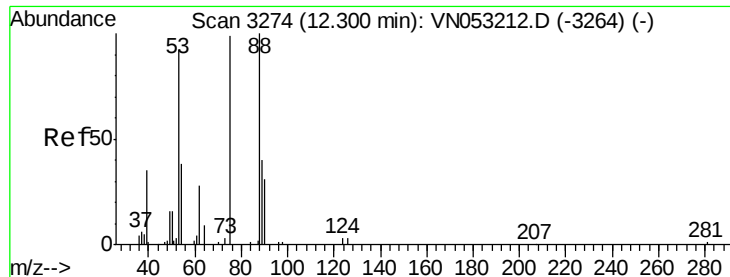
Tgt Ion: 105 Resp: 697304

Ion Ratio Lower Upper

105 100

120 49.3 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.438 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

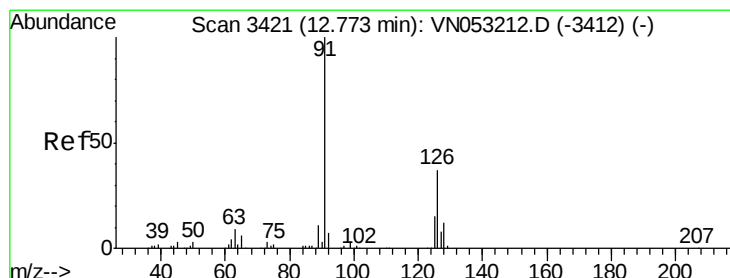
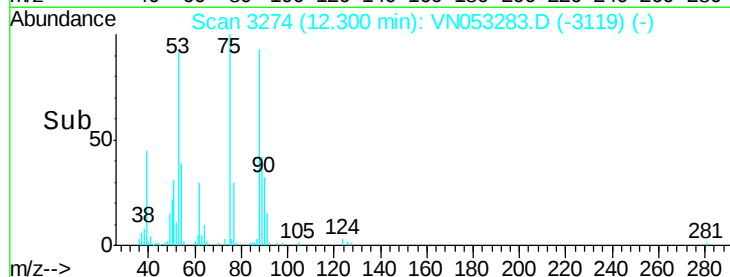
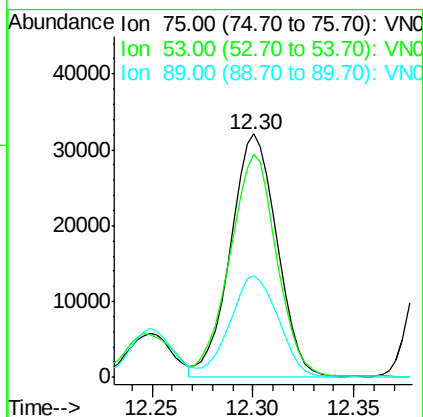
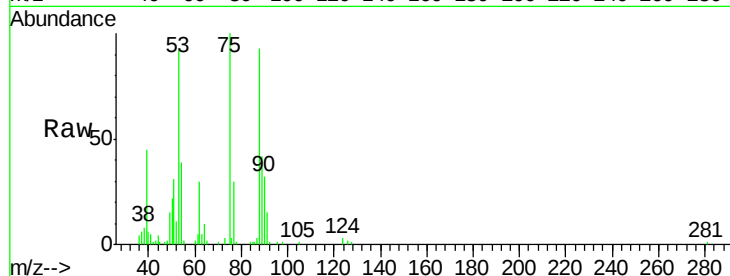
Tot Ion: 75 Resp: 51862

Ion Ratio Lower Upper

75 100

53 90.9 48.5 145.6

89 41.8 21.7 65.1



#78

4-Chlorotoluene

Concen: 21.179 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053283.D

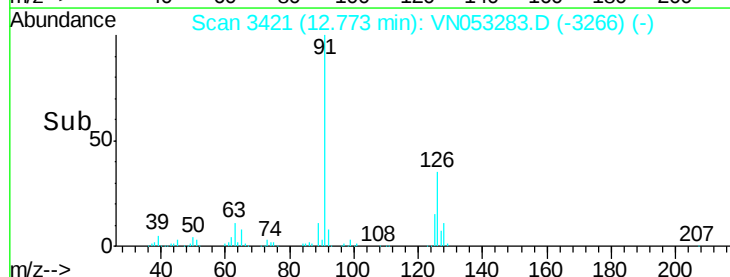
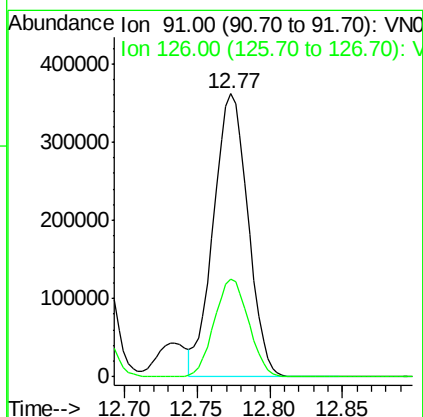
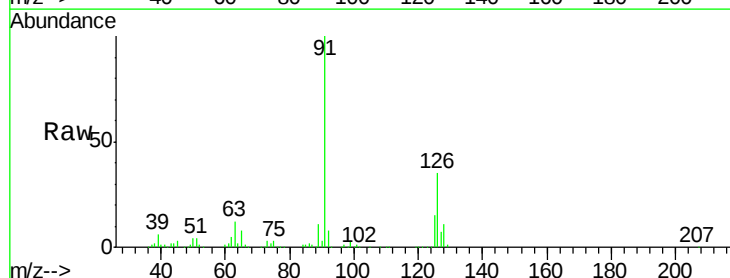
Acq: 4 Jan 2019 15:46

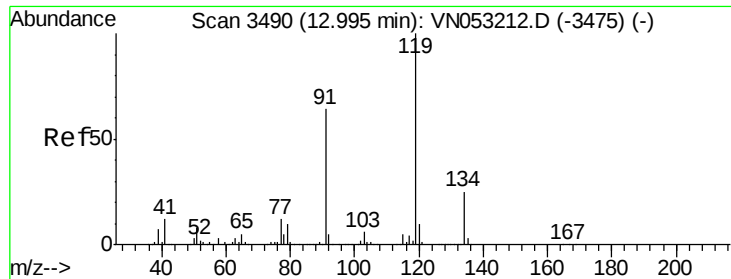
Tgt Ion: 91 Resp: 595357

Ion Ratio Lower Upper

91 100

126 34.6 0.0 68.2

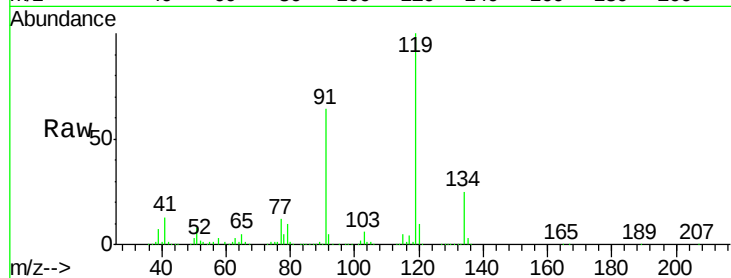




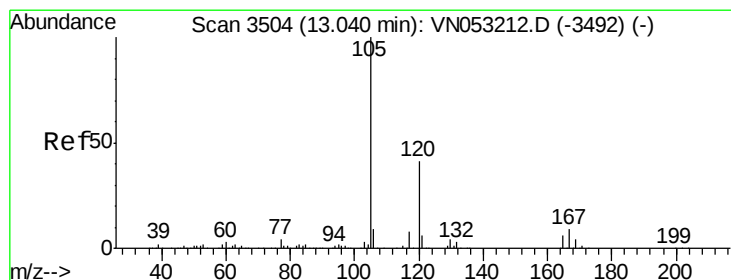
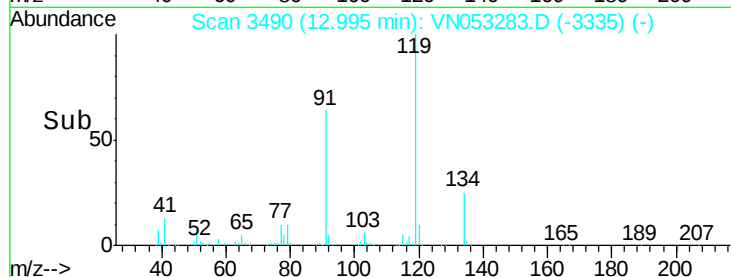
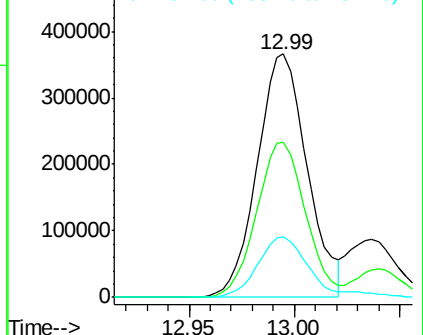
#79
tert-butylbenzene
Concen: 21.185 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:119 Resp: 603716
Ion Ratio Lower Upper
119 100
91 62.5 0.0 129.8
134 25.8 0.0 52.2

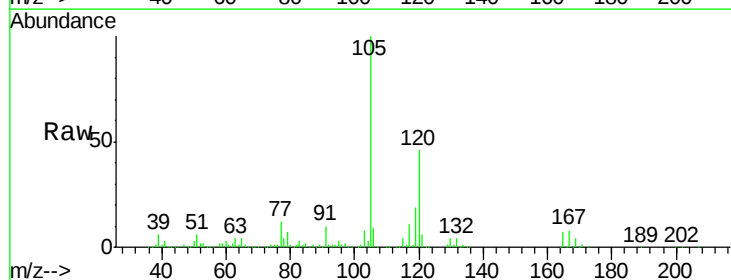


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

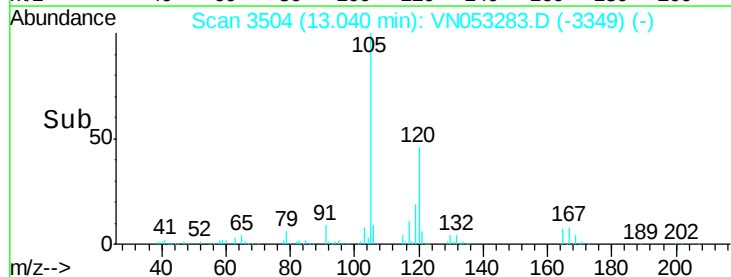
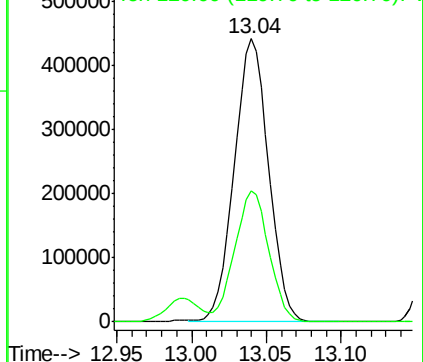


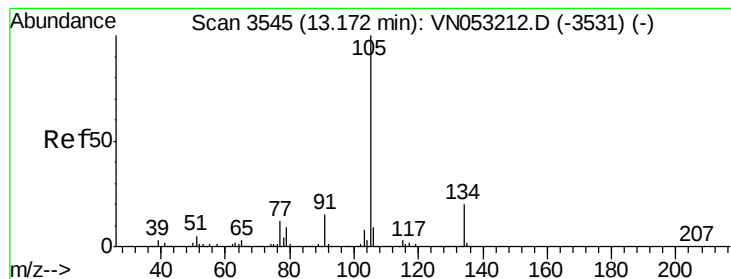
#80
1,2,4-Trimethylbenzene
Concen: 21.527 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion:105 Resp: 704994
Ion Ratio Lower Upper
105 100
120 46.3 0.0 91.0



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





#81

sec-Butylbenzene

Concen: 21.628 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

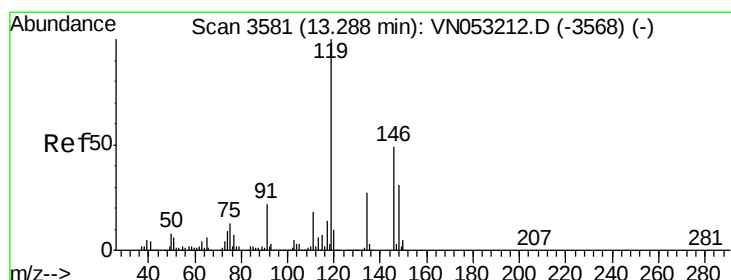
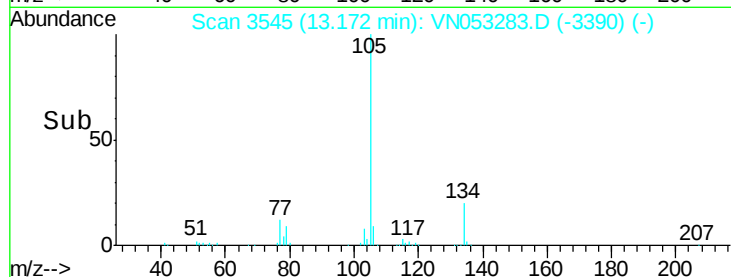
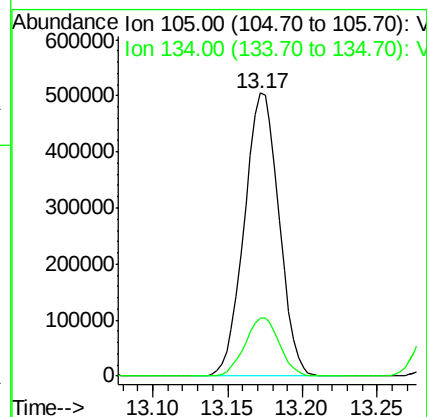
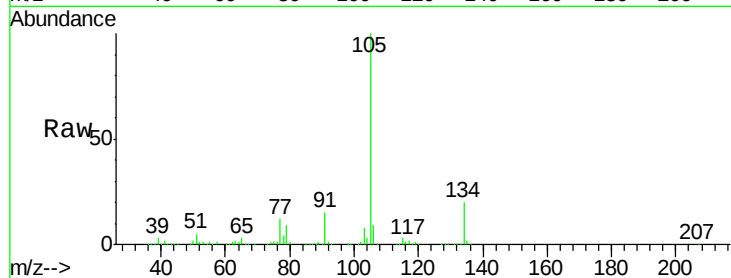
VSTDCCC020EC

Tot Ion:105 Resp: 816144

Ion Ratio Lower Upper

105 100

134 20.4 0.0 40.4



#82

p-Isopropyltoluene

Concen: 21.718 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

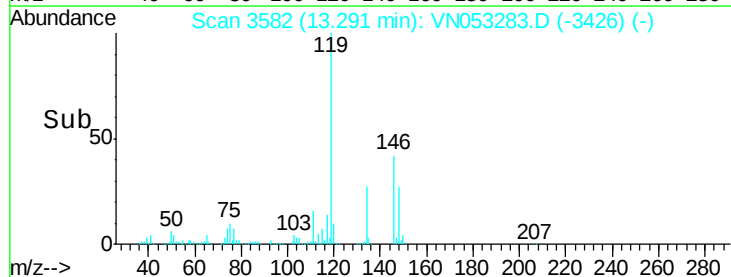
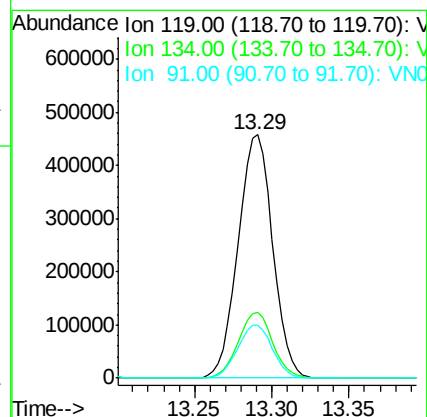
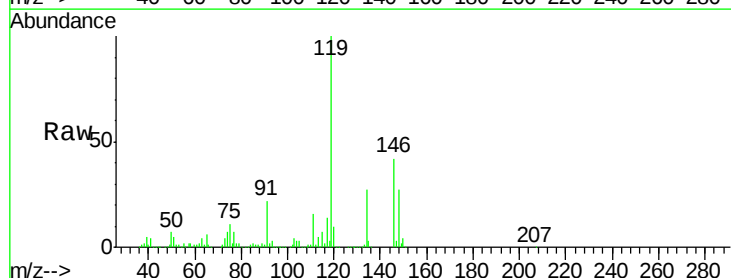
Tgt Ion:119 Resp: 708182

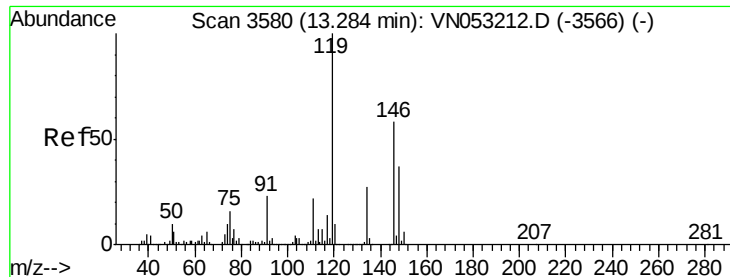
Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.6

91 22.1 0.0 46.2

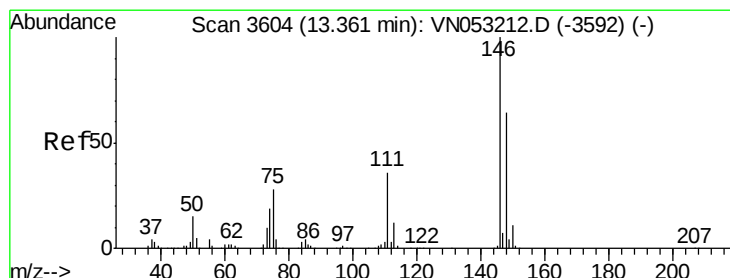
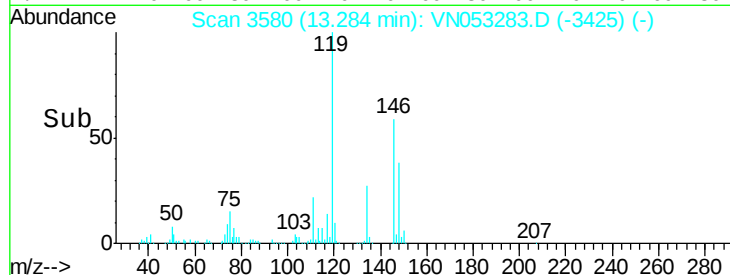
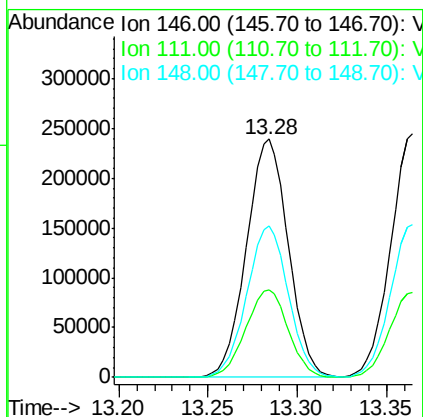
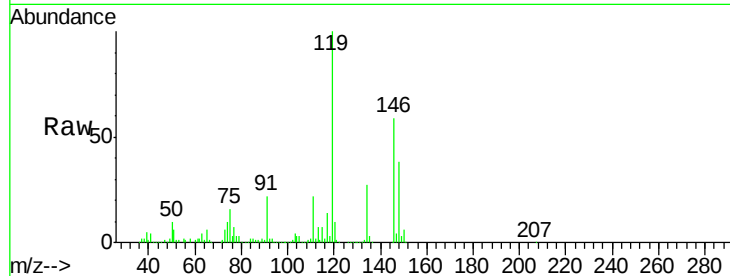




#83
 1,3-Dichlorobenzene
 Concen: 21.805 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

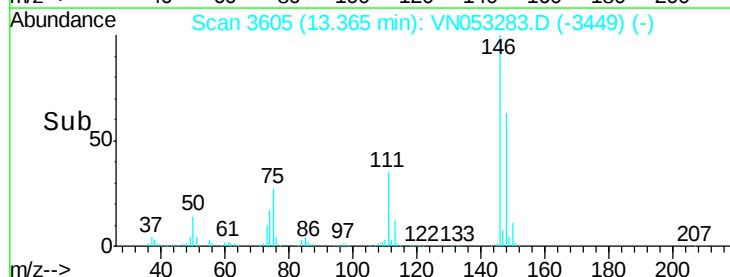
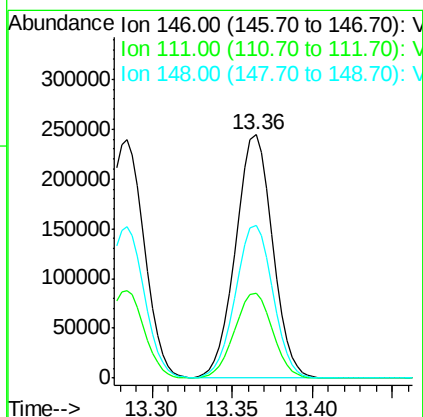
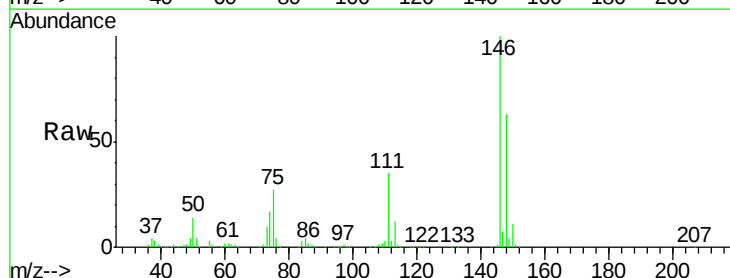
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

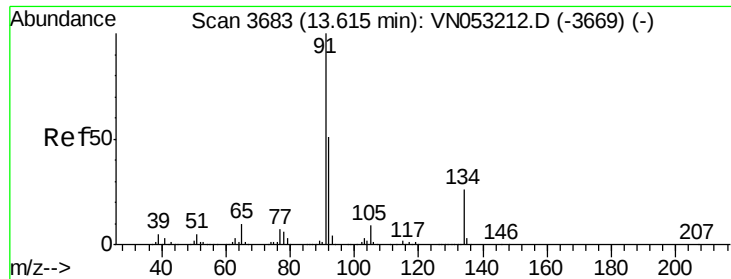
Tot Ion:146 Resp: 393116
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.7 59.0
 148 63.2 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 21.925 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion:146 Resp: 385317
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.8 56.3
 148 63.7 32.5 97.4

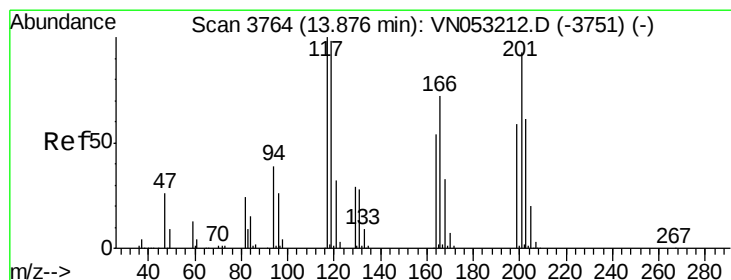
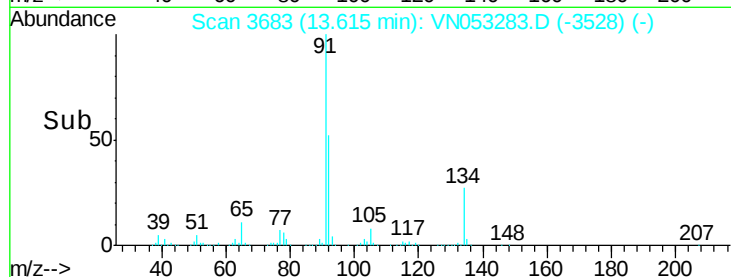
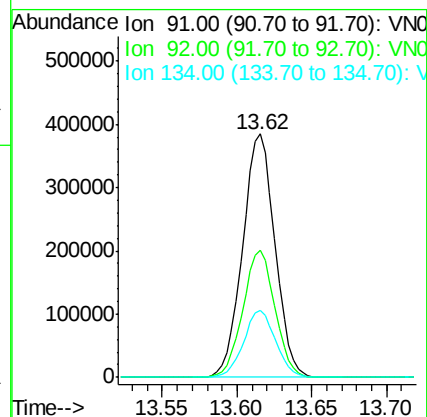
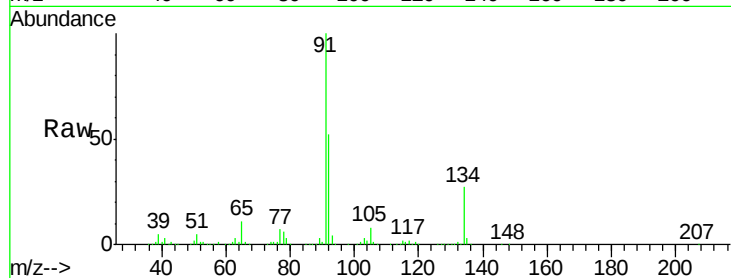




#85
n-Butylbenzene
Concen: 21.835 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

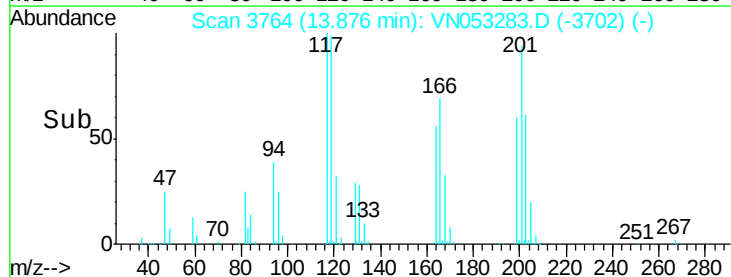
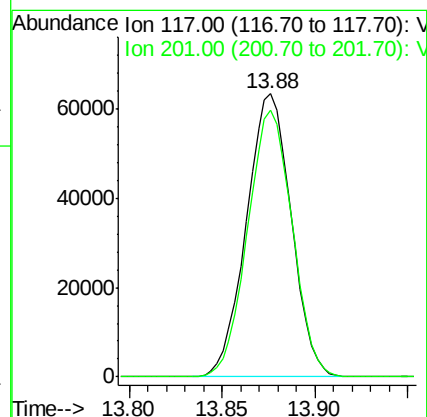
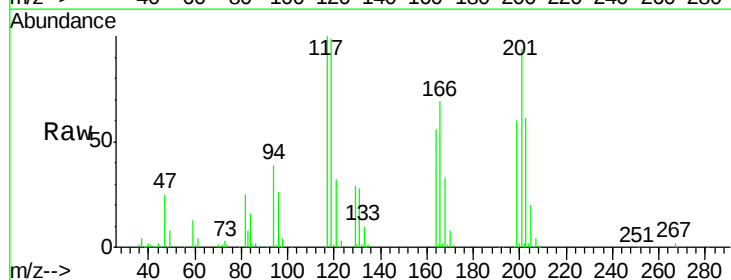
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

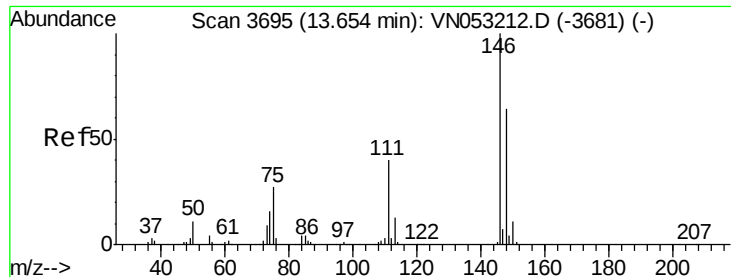
Tot Ion: 91 Resp: 579020
Ion Ratio Lower Upper
91 100
92 51.8 0.0 104.2
134 27.1 0.0 50.6



#86
Hexachloroethane
Concen: 20.474 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053283.D
Acq: 4 Jan 2019 15:46

Tgt Ion: 117 Resp: 106595
Ion Ratio Lower Upper
117 100
201 93.5 43.8 131.3





#87

1,2-Dichlorobenzene

Concen: 22.109 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

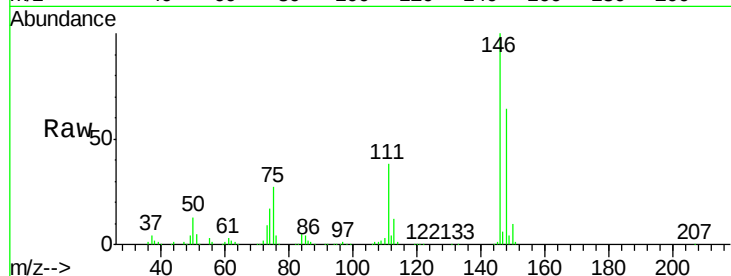
Tot Ion:146 Resp: 370376

Ion Ratio Lower Upper

146 100

111 38.7 20.3 60.8

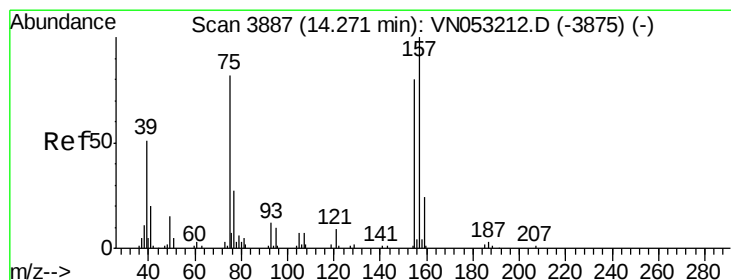
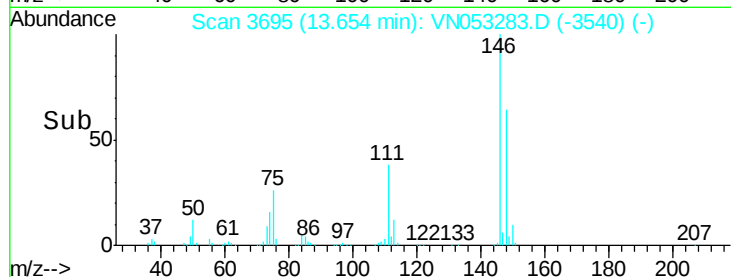
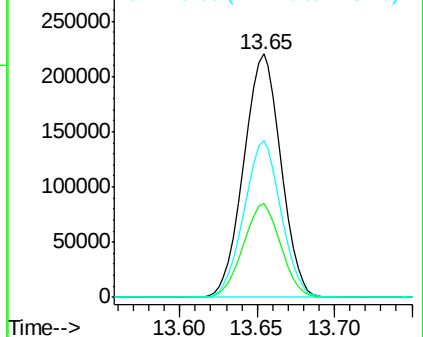
148 63.9 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.556 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

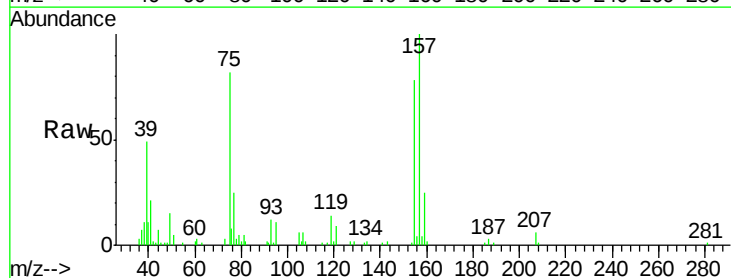
Tgt Ion: 75 Resp: 23011

Ion Ratio Lower Upper

75 100

155 92.2 72.2 108.2

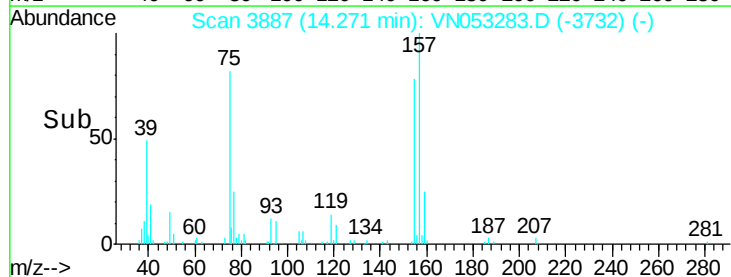
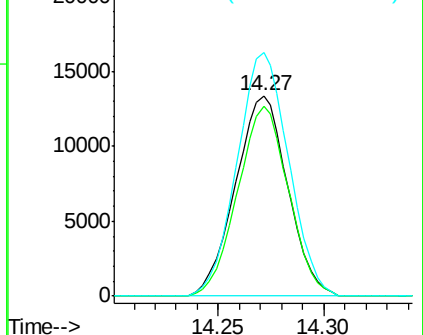
157 120.0 94.2 141.2

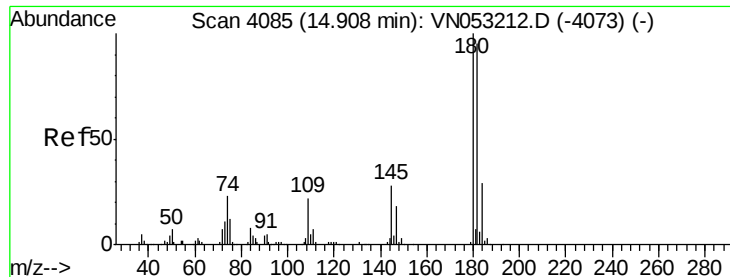


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

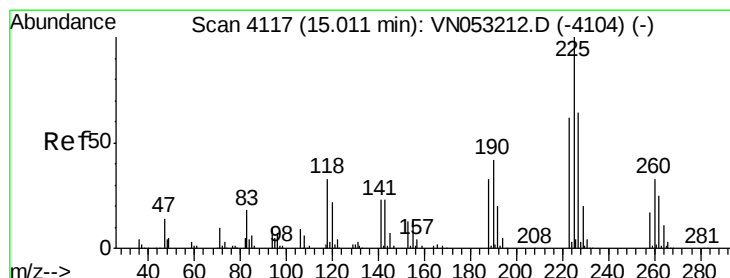
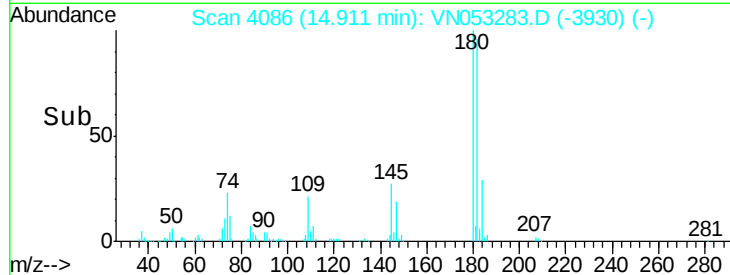
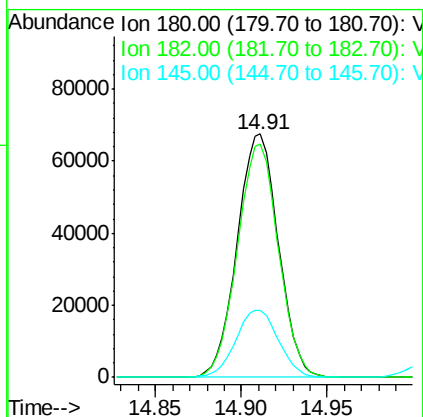
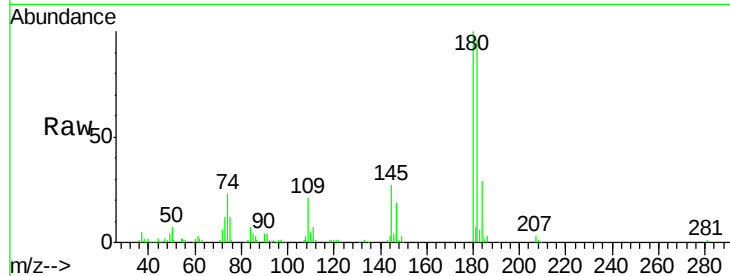




#89
 1,2,4-Trichlorobenzene
 Concen: 13.807 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

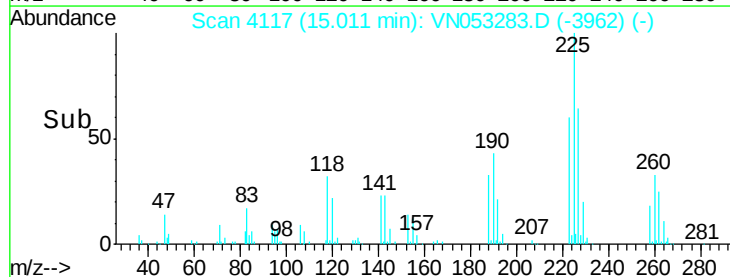
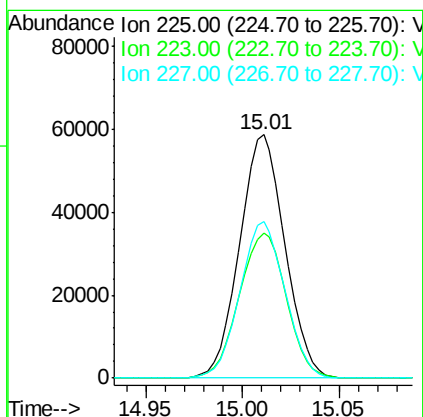
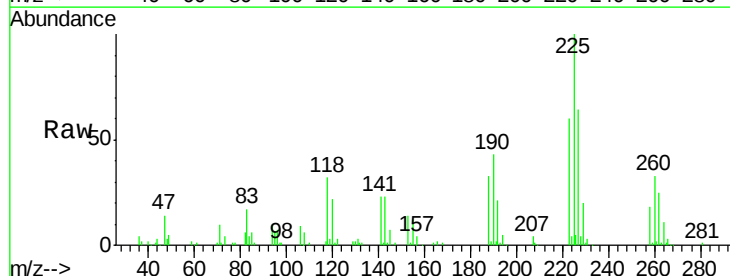
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

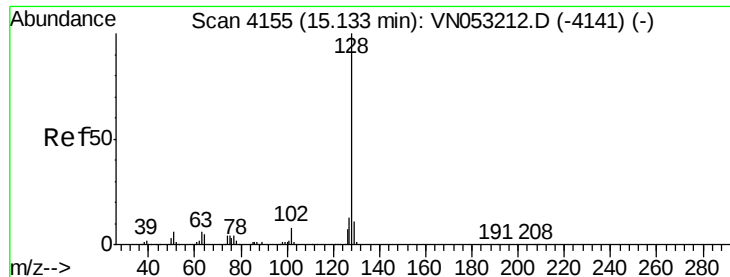
Tot Ion:180 Resp: 112263
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 145 28.7 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 19.449 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053283.D
 Acq: 4 Jan 2019 15:46

Tgt Ion:225 Resp: 95721
 Ion Ratio Lower Upper
 225 100
 223 61.8 0.0 125.6
 227 63.8 0.0 127.8





#91

Naphthalene

Concen: 10.409 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

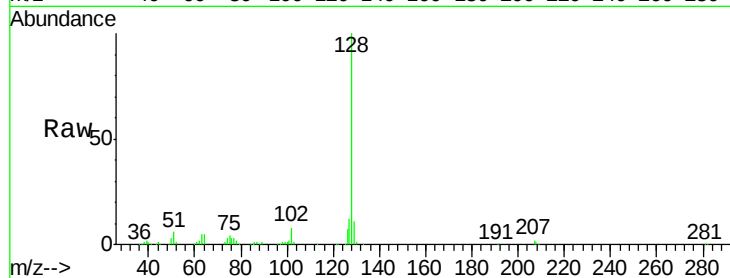
Tot Ion:128 Resp: 179572

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

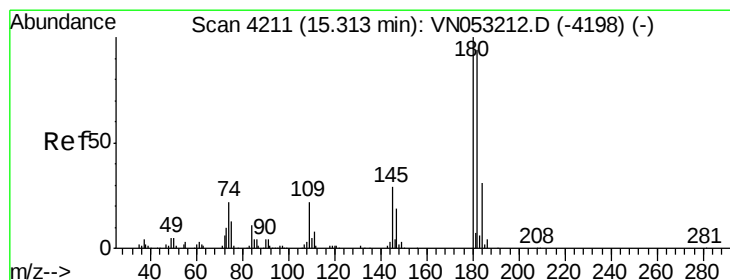
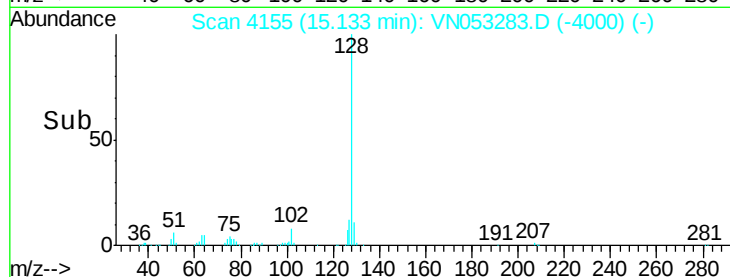
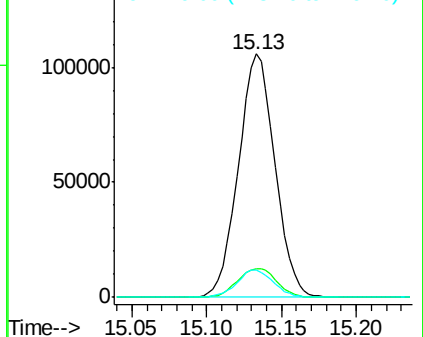
129 11.2 8.5 12.7



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: 9.482 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053283.D

Acq: 4 Jan 2019 15:46

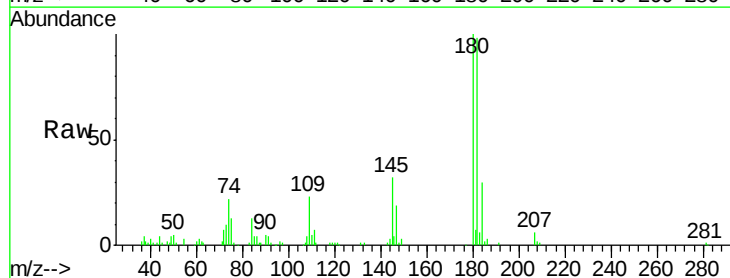
Tgt Ion:180 Resp: 68781

Ion Ratio Lower Upper

180 100

182 96.1 0.0 196.2

145 31.3 0.0 62.2



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

