

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
 Data File : VN053351.D
 Acq On : 10 Jan 2019 19:56
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jan 11 05:42:50 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	143802	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	820999	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	728452	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	276945	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	12.40	95	329084	29.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.40%
63) Toluene-d8	10.09	98	974367	29.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.97%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	177939	18.571	ug/l 100
3) Chloromethane	2.06	50	205638	18.287	ug/l 98
4) Vinyl Chloride	2.19	62	200618	18.129	ug/l 99
5) Bromomethane	2.53	94	117659	16.491	ug/l 97
6) Chloroethane	2.68	64	116590	18.290	ug/l 100
7) Trichlorofluoromethane	3.01	101	260090	19.032	ug/l 99
8) Diethyl Ether	3.41	74	100611	19.817	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	160311	18.671	ug/l 96
10) 1,1-Dichloroethene	3.74	96	156989	18.736	ug/l 94
11) Methyl Iodide	3.95	142	221298	18.035	ug/l 98
12) Methyl Acetate	4.33	43	145824	22.329	ug/l 98
13) Acrolein	3.61	56	80083	102.707	ug/l 98
14) Acrylonitrile	4.99	53	303305	103.813	ug/l 98
15) Acetone	3.82	58	63837	102.809	ug/l 92
16) Carbon Disulfide	4.05	76	429030	16.644	ug/l 100
17) Allyl chloride	4.32	41	249802	18.951	ug/l 98
18) Methylene Chloride	4.55	84	179414	18.709	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	166306	18.781	ug/l 94
20) Diisopropyl ether	5.95	45	550051	19.485	ug/l 95
21) 1,1-Dichloroethane	5.85	63	313071	19.048	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	192671	19.316	ug/l 96
23) tert-Butyl Alcohol	4.79	59	35724	72.533	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	442615	20.258	ug/l 98
25) Chloroform	7.37	83	302679	19.158	ug/l 99
26) Cyclohexane	7.65	56	287919	18.781	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	232420	18.689	ug/l 98
30) 2-Butanone	6.83	43	326438	105.214	ug/l 97
31) 2,2-Dichloropropane	6.83	77	203678	16.918	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	251135	19.274	ug/l 96
33) Carbon Tetrachloride	7.78	117	211920	18.581	ug/l 99
34) Benzene	8.04	78	718727	19.230	ug/l 98
35) Methacrylonitrile	7.17	41	65788	16.432	ug/l 95
36) 1,2-Dichloroethane	8.13	62	217106	20.010	ug/l 98
37) Trichloroethene	8.84	130	194526	19.213	ug/l 95
38) Methylcyclohexane	9.08	83	280761	19.302	ug/l 97
39) 1,2-Dichloropropane	9.12	63	189263	19.393	ug/l 97
40) Dibromomethane	9.21	93	109578	19.854	ug/l 95

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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	223427	18.850	ug/l	99
42) Vinyl Acetate	5.90	43	1736686	102.600	ug/l	97
43) Ethyl Acetate	6.93	43	147467	21.283	ug/l #	69
44) Isopropyl Acetate	8.16	43	283211	21.942	ug/l	100
45) 1,4-Dioxane	9.20	88	16440	208.294	ug/l #	93
46) Methyl methacrylate	9.20	41	135507	20.782	ug/l	95
47) n-amyl Acetate	12.07	43	230081	20.298	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	226234	18.701	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	263976	18.531	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	160586	20.292	ug/l	99
51) Ethyl methacrylate	10.43	69	210497	20.409	ug/l	95
52) 1,3-Dichloropropane	10.71	76	273683	20.076	ug/l	99
53) Dibromochloromethane	10.90	129	166113	18.689	ug/l	96
54) 1,2-Dibromoethane	11.01	107	158407	19.842	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	594232	100.394	ug/l	98
56) Bromoform	12.13	173	112315	18.472	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	761778	109.744	ug/l	97
59) 2-Hexanone	10.75	43	500779	104.501	ug/l	96
61) Tetrachloroethene	10.63	164	212558	19.745	ug/l	96
62) Toluene	10.16	91	772448	19.335	ug/l	100
64) Chlorobenzene	11.43	112	484148	19.312	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	170128	19.346	ug/l	98
66) Ethyl Benzene	11.51	91	824517	19.032	ug/l	99
67) m/p-Xylenes	11.62	106	632136	38.580	ug/l	98
68) o-Xylene	11.95	106	309670	19.503	ug/l	99
69) Styrene	11.96	104	502986	19.408	ug/l	99
70) Isopropylbenzene	12.25	105	818700	19.598	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	182319	20.732	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	234855	30.497	ug/l	45
73) Bromobenzene	12.53	156	208777	19.442	ug/l	95
74) n-propylbenzene	12.59	91	934301	19.757	ug/l	99
75) 2-Chlorotoluene	12.67	91	543783	19.416	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	662401	19.989	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	49304	18.221	ug/l	96
78) 4-Chlorotoluene	12.77	91	548052	19.224	ug/l	99
79) tert-butylbenzene	12.99	119	583786	20.199	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	663221	19.968	ug/l	100
81) sec-Butylbenzene	13.17	105	796128	20.803	ug/l	100
82) p-Isopropyltoluene	13.29	119	677446	20.485	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	352181	19.262	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	335896	18.846	ug/l	99
85) n-Butylbenzene	13.62	91	534987	19.893	ug/l	99
86) Hexachloroethane	13.88	117	93946	17.793	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	318910	18.771	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22595	17.966	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	124309	15.075	ug/l	99
90) Hexachlorobutadiene	15.01	225	90791	18.190	ug/l	97
91) Naphthalene	15.13	128	246178	14.071	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	96499	13.117	ug/l	98

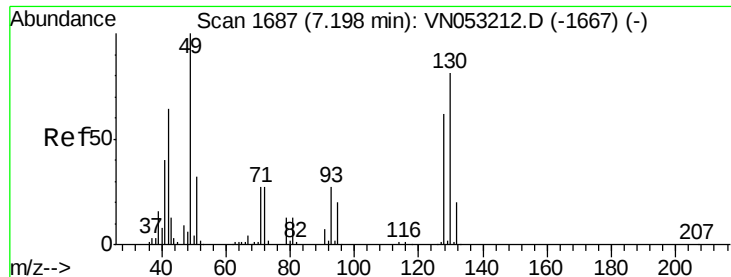
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

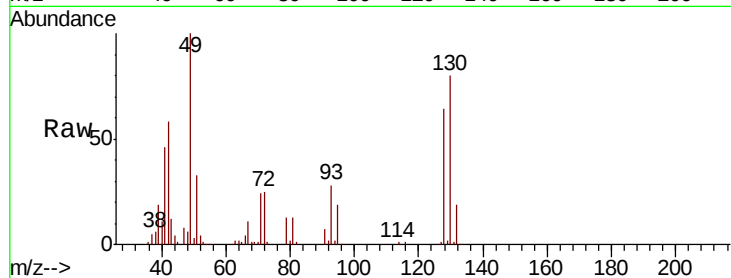
Tgt Ion:128 Resp: 143802

Ion Ratio Lower Upper

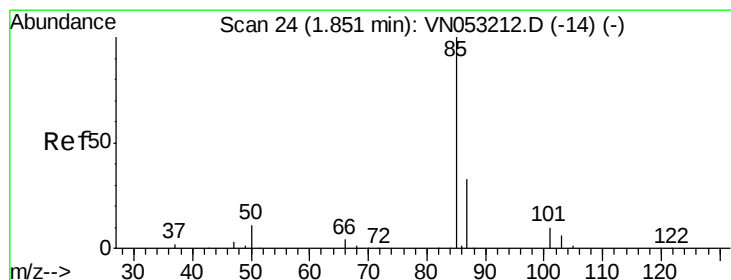
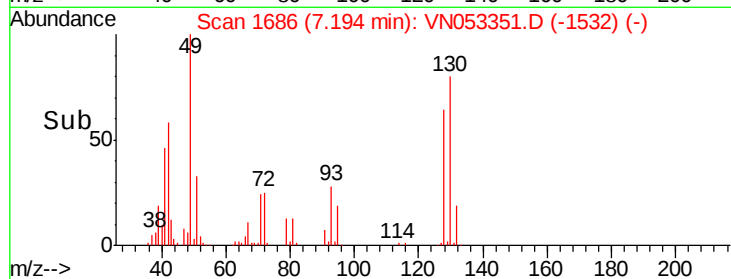
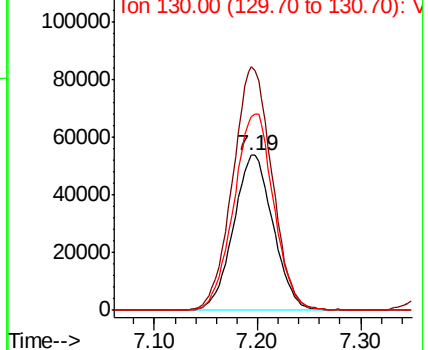
128 100

49 155.7 0.0 431.8

130 127.5 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: 18.571 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053351.D

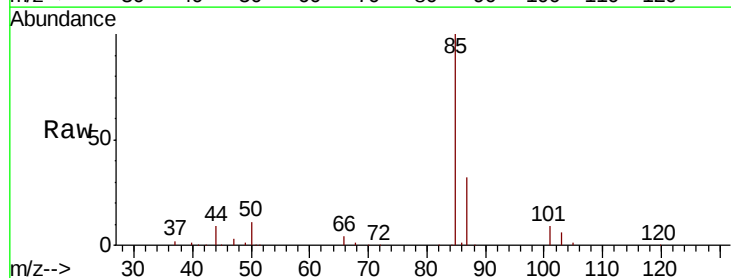
Acq: 10 Jan 2019 19:56

Tgt Ion: 85 Resp: 177939

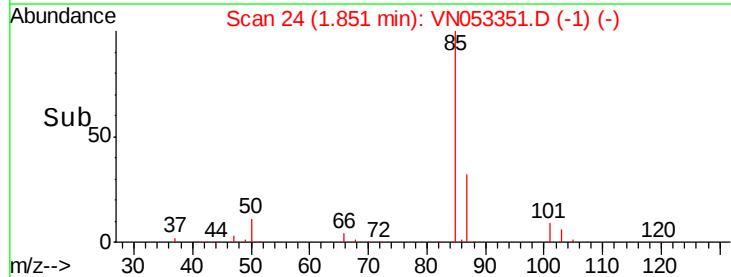
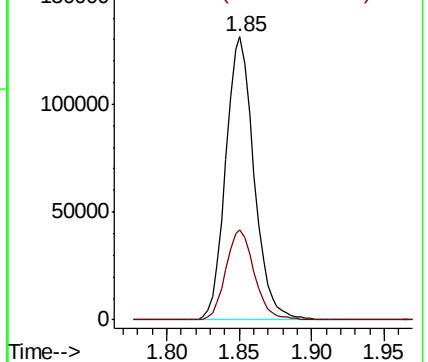
Ion Ratio Lower Upper

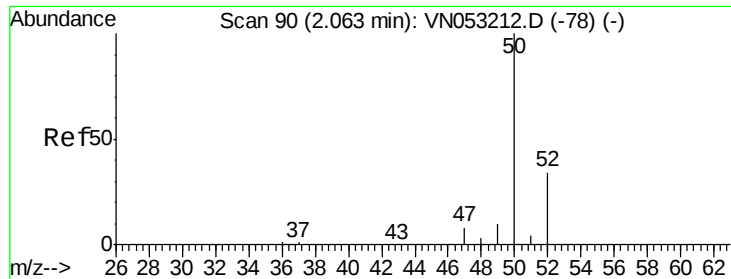
85 100

87 32.0 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: 18.287 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

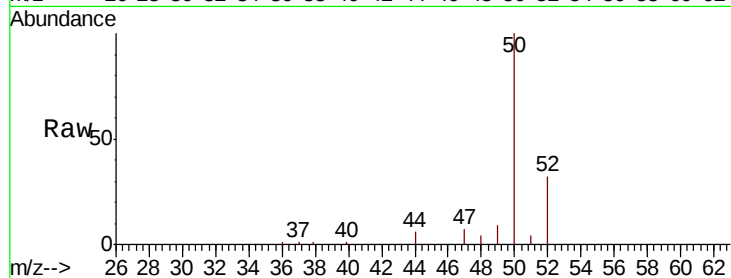
VSTDCCC020EC

Tgt Ion: 50 Resp: 205638

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

150000

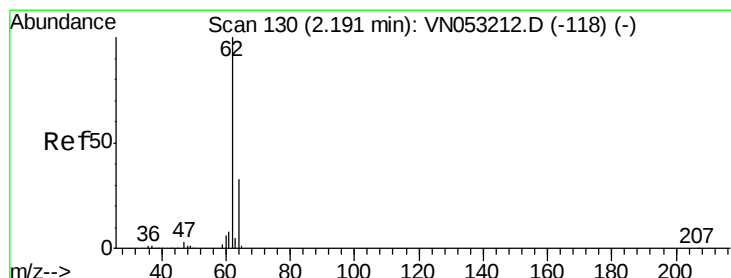
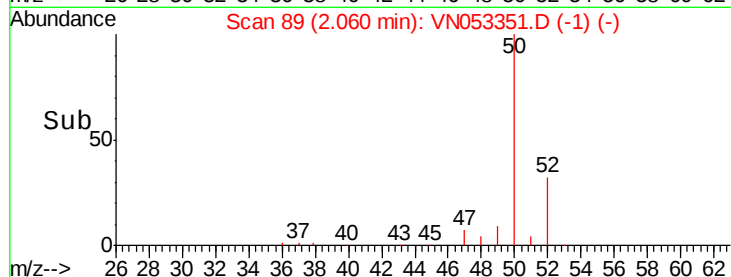
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 18.129 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053351.D

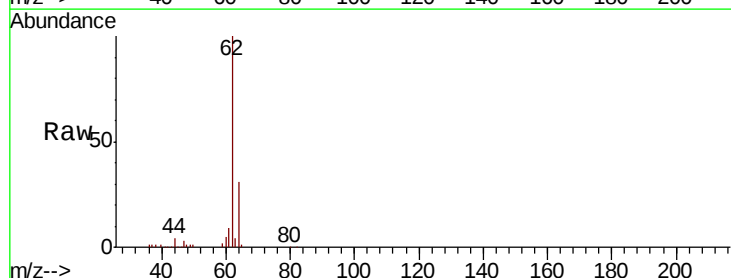
Acq: 10 Jan 2019 19:56

Tgt Ion: 62 Resp: 200618

Ion Ratio Lower Upper

62 100

64 31.0 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

150000

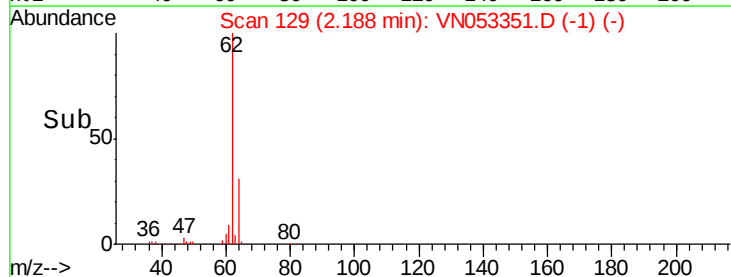
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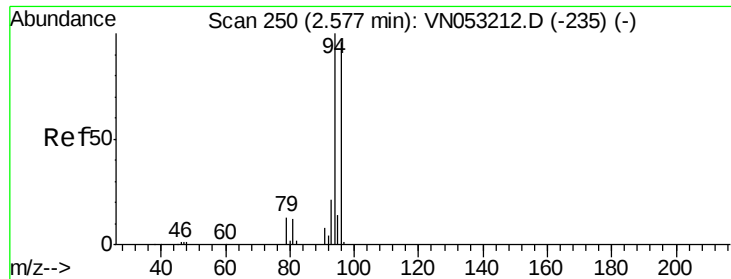
50000

0

2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 16.491 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.05 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

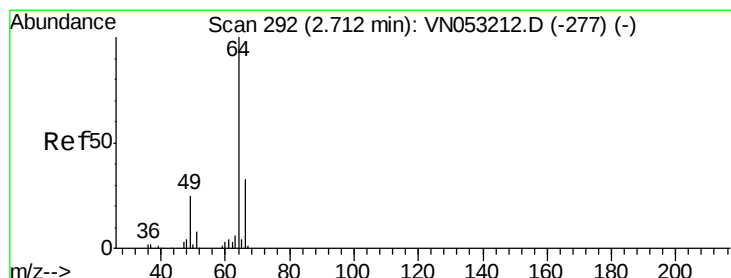
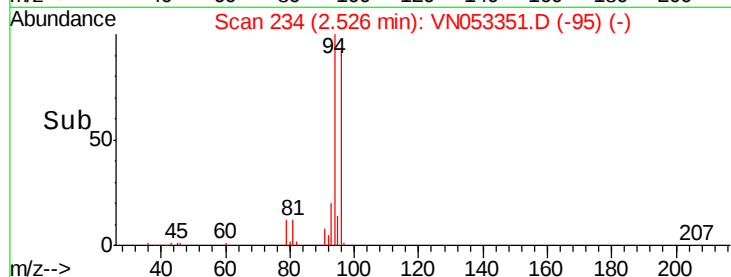
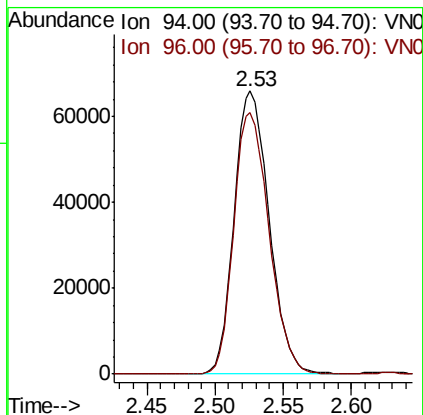
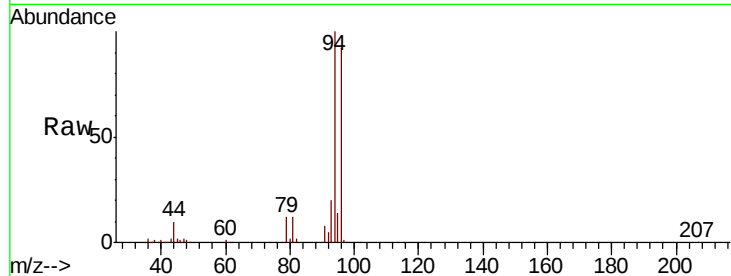
VSTDCCC020EC

Tgt Ion: 94 Resp: 117659

Ion Ratio Lower Upper

94 100

96 92.4 76.2 114.2



#6

Chloroethane

Concen: 18.290 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.03 min

Lab File: VN053351.D

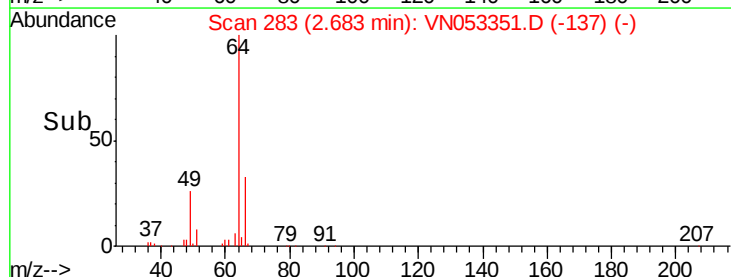
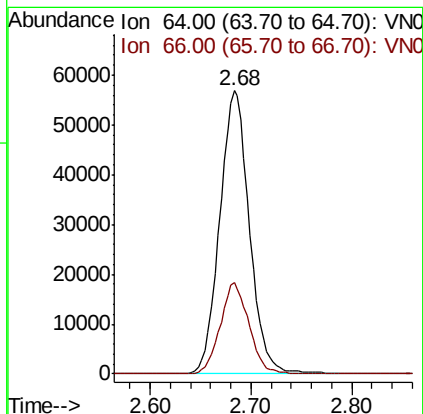
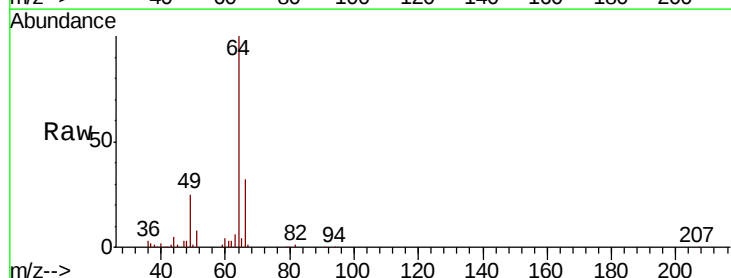
Acq: 10 Jan 2019 19:56

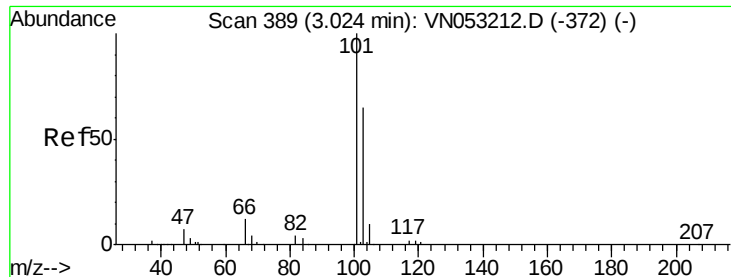
Tgt Ion: 64 Resp: 116590

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



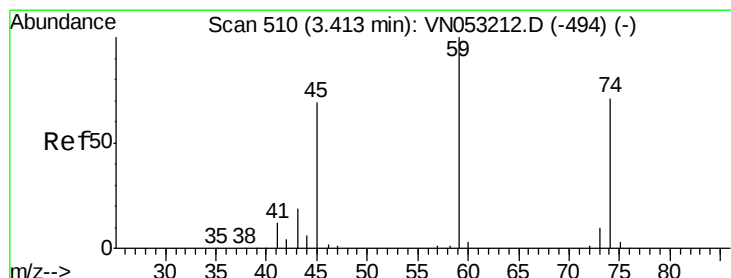
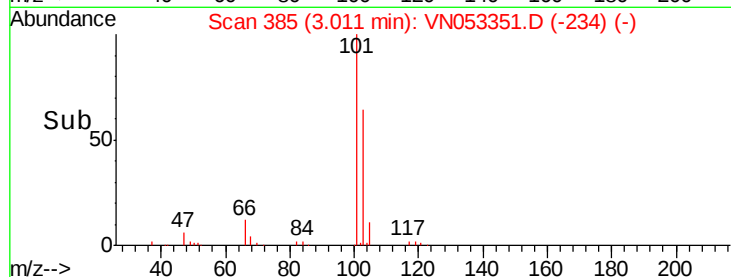
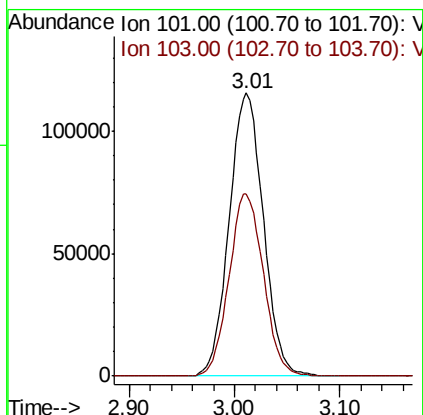
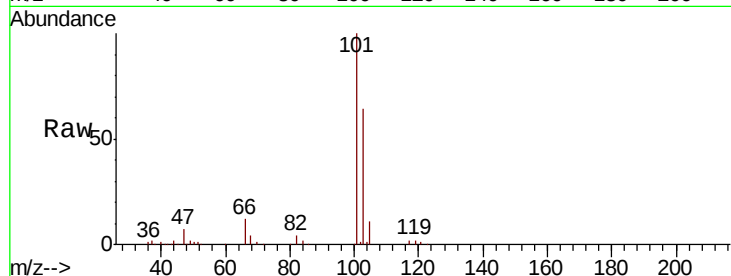


#7

Trichlorofluoromethane
 Concen: 19.032 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN053351.D
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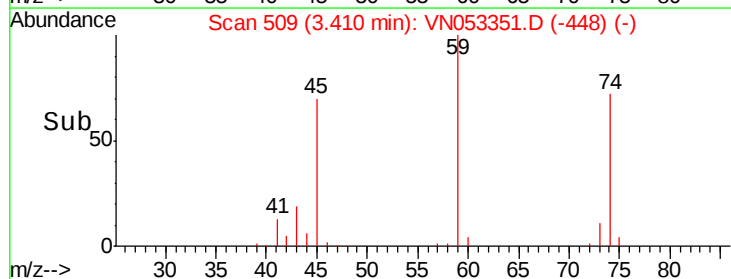
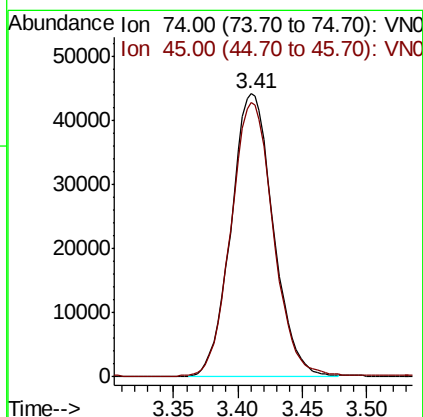
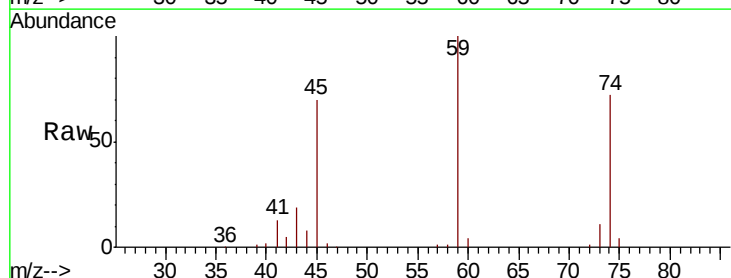
Tgt Ion: 101 Resp: 260090
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.1 78.1

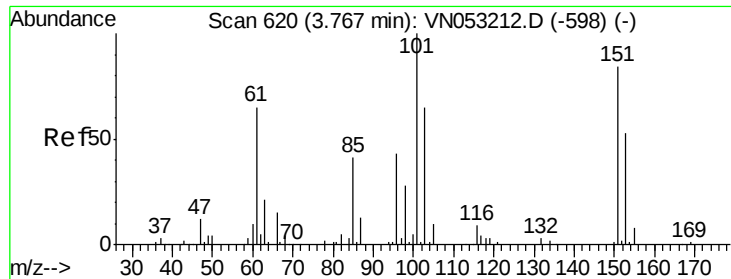


#8

Diethyl Ether
 Concen: 19.817 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 74 Resp: 100611
 Ion Ratio Lower Upper
 74 100
 45 97.8 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.671 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.01 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

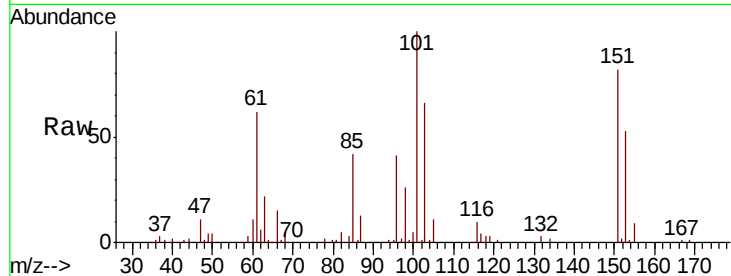
Tgt Ion: 101 Resp: 160311

Ion Ratio Lower Upper

101 100

85 42.1 0.0 82.6

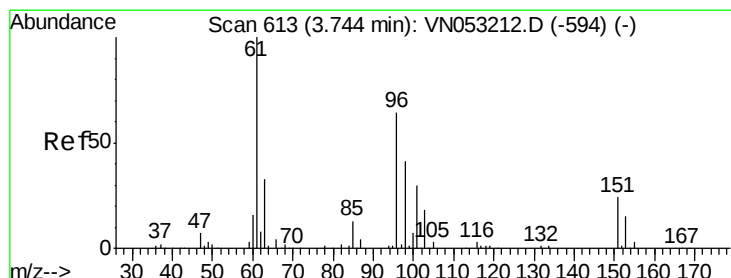
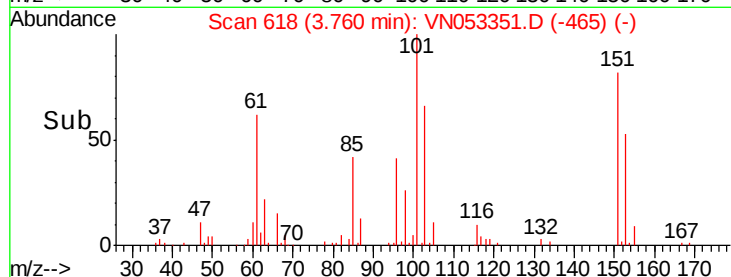
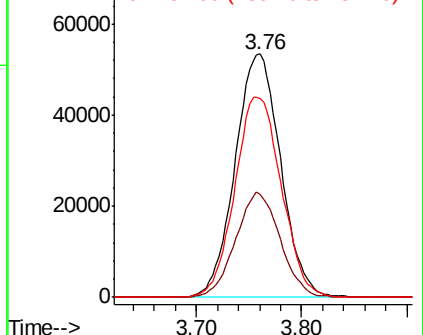
151 84.2 0.0 158.4



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: 18.736 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

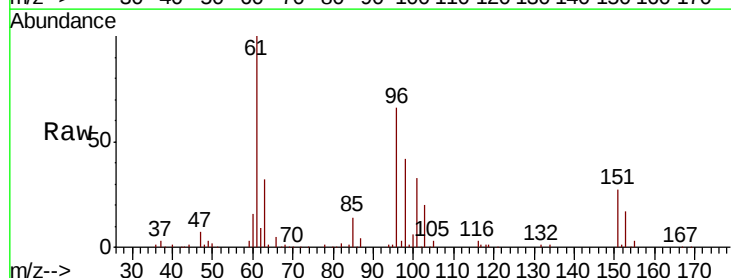
Tgt Ion: 96 Resp: 156989

Ion Ratio Lower Upper

96 100

61 150.7 129.4 194.2

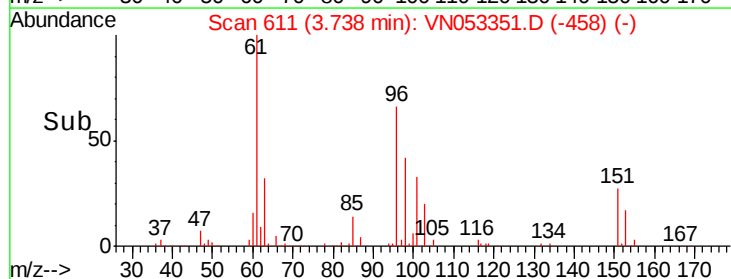
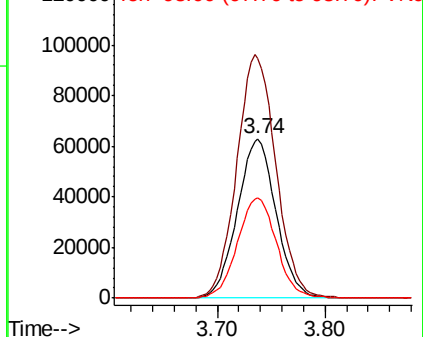
98 63.1 50.4 75.6

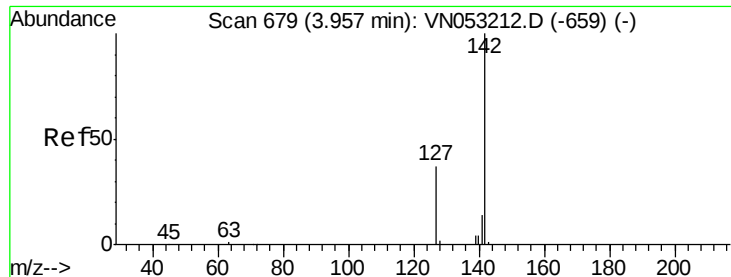


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

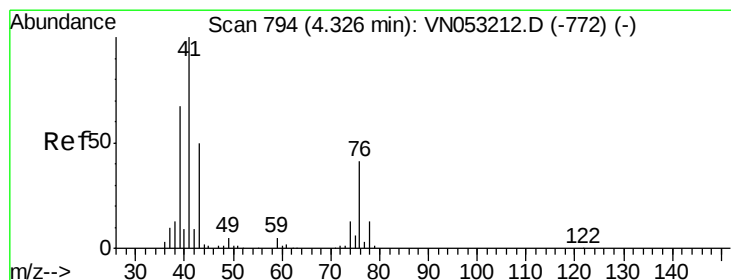
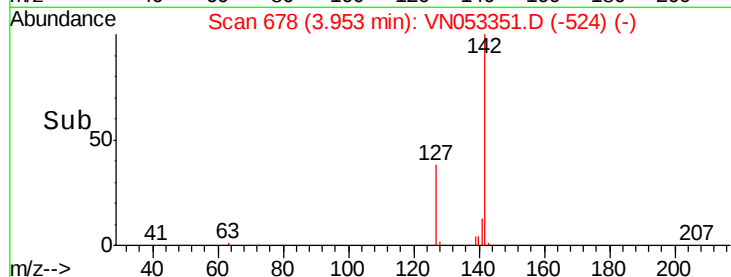
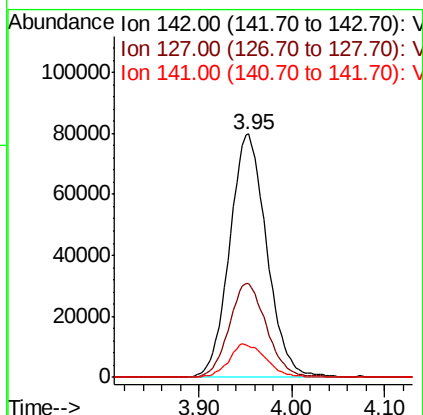
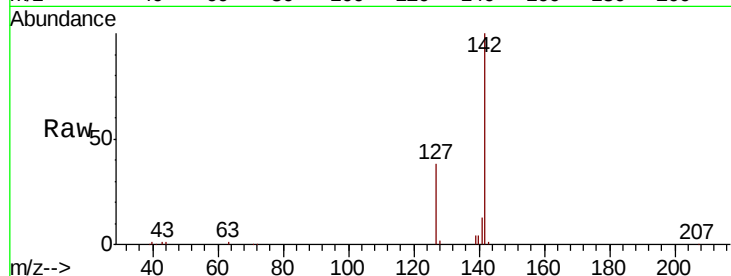




#11
Methyl Iodide
Concen: 18.035 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

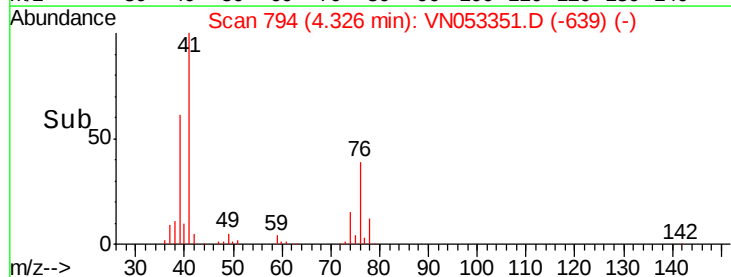
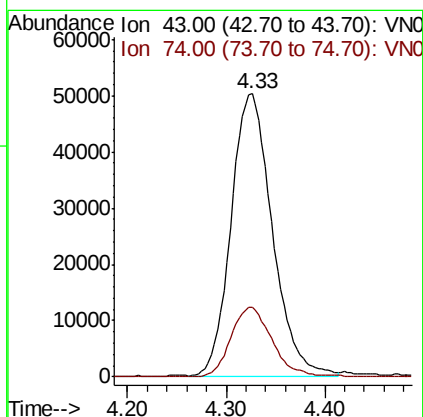
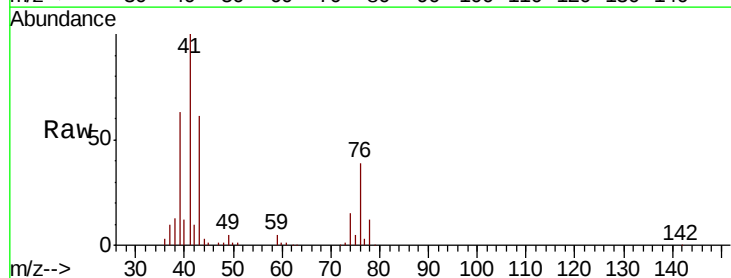
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

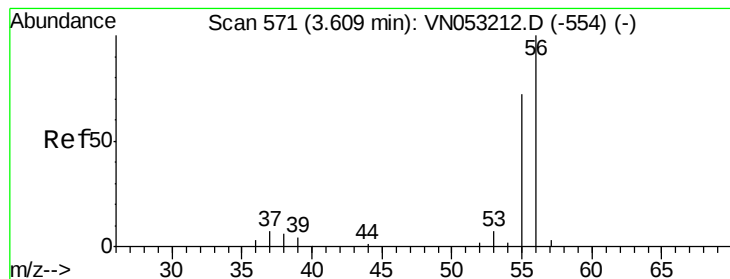
Tgt Ion: 142 Resp: 221298
Ion Ratio Lower Upper
142 100
127 38.3 19.4 58.1
141 12.8 7.2 21.6



#12
Methyl Acetate
Concen: 22.329 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion: 43 Resp: 145824
Ion Ratio Lower Upper
43 100
74 24.5 18.9 28.3





#13

Acrolein

Concen: 102.707 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

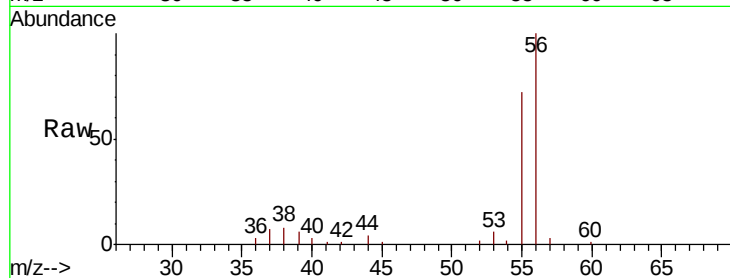
VSTDCCC020EC

Tgt Ion: 56 Resp: 80083

Ion Ratio Lower Upper

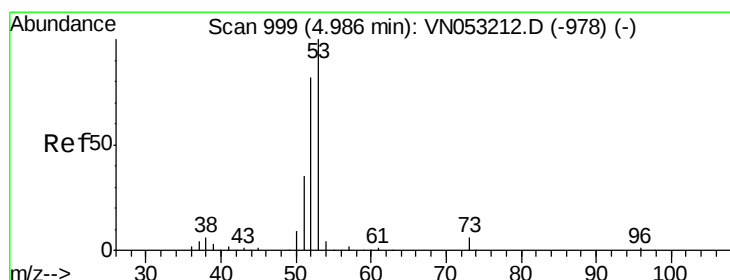
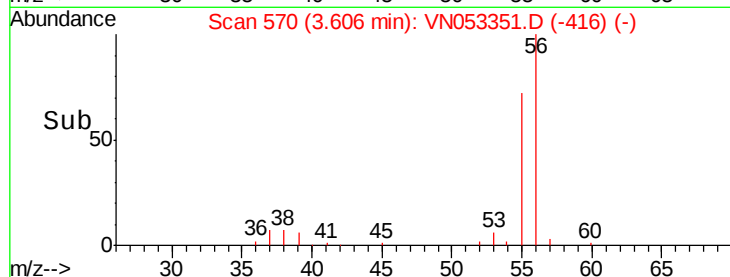
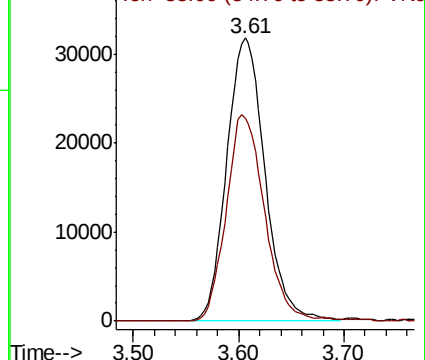
56 100

55 72.5 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: 103.813 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

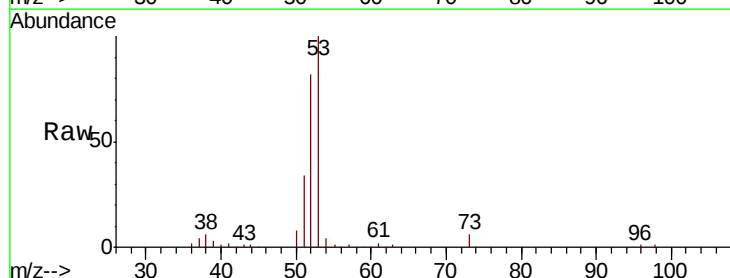
Tgt Ion: 53 Resp: 303305

Ion Ratio Lower Upper

53 100

52 81.8 39.9 119.7

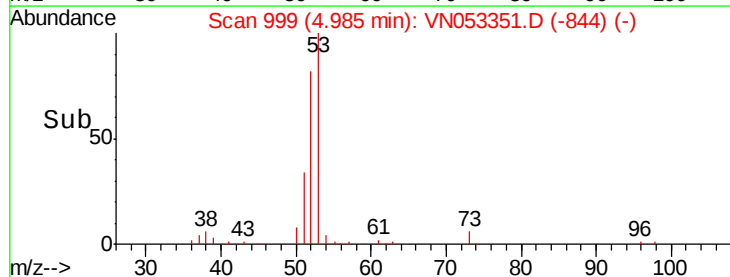
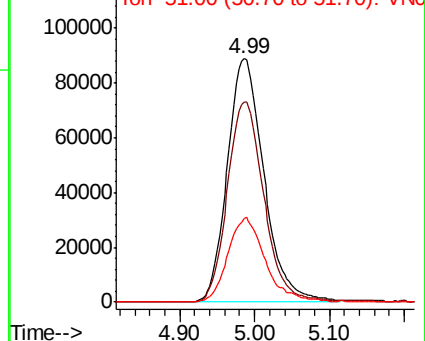
51 35.4 17.6 52.9

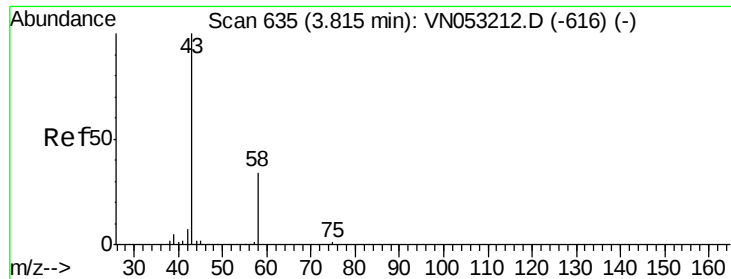


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.809 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

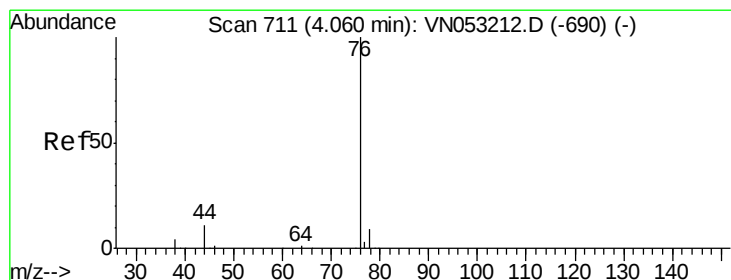
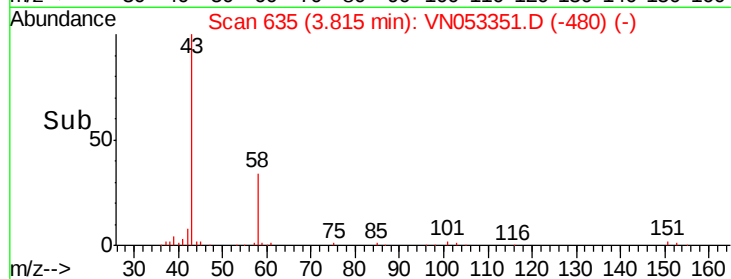
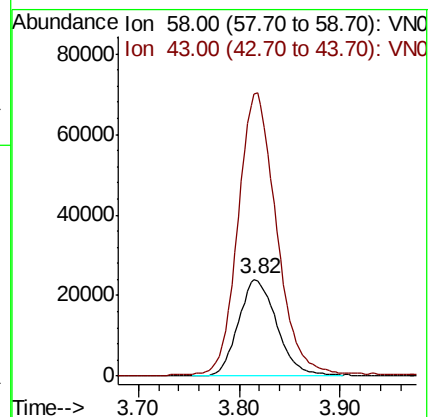
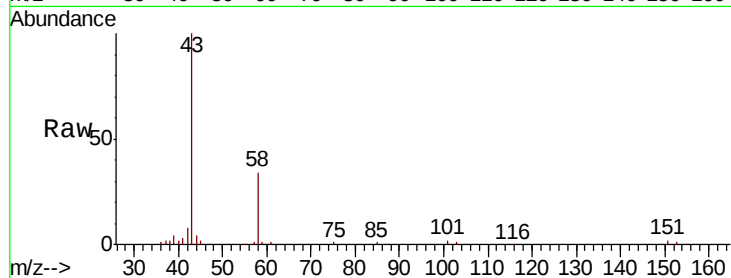
VSTDCCC020EC

Tgt Ion: 58 Resp: 63837

Ion Ratio Lower Upper

58 100

43 288.7 243.6 365.4



#16

Carbon Disulfide

Concen: 16.644 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.01 min

Lab File: VN053351.D

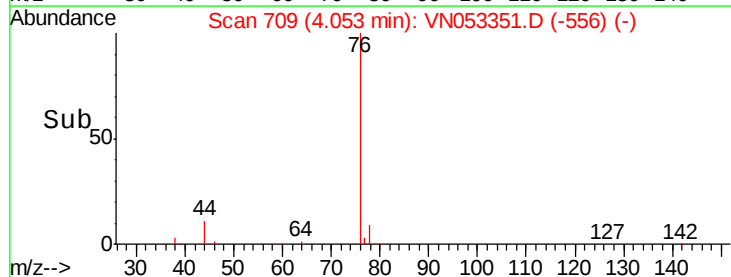
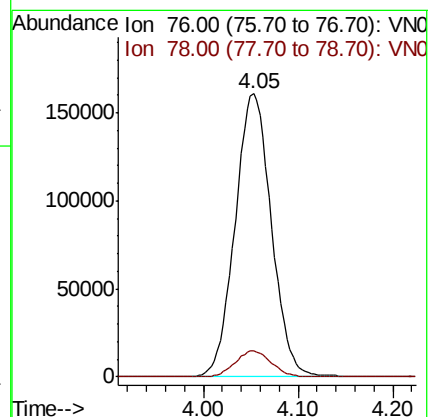
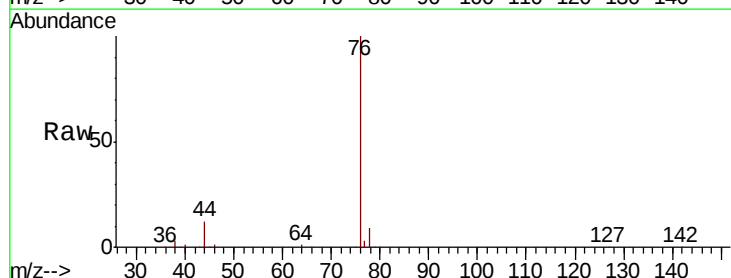
Acq: 10 Jan 2019 19:56

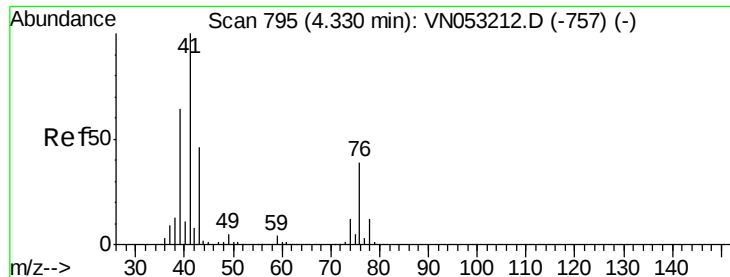
Tgt Ion: 76 Resp: 429030

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allyl chloride

Concen: 18.951 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

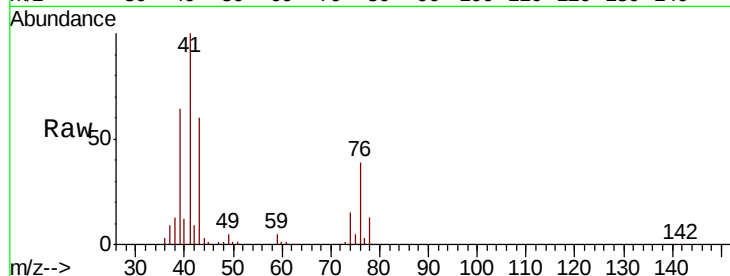
Tgt Ion: 41 Resp: 249802

Ion Ratio Lower Upper

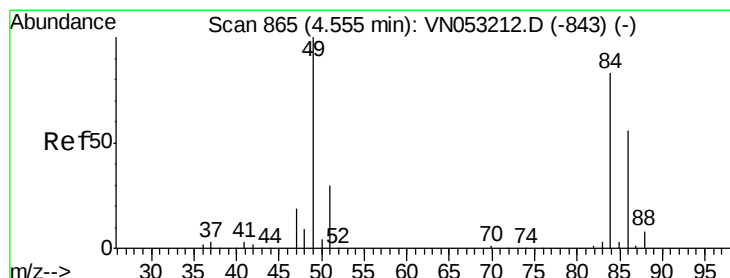
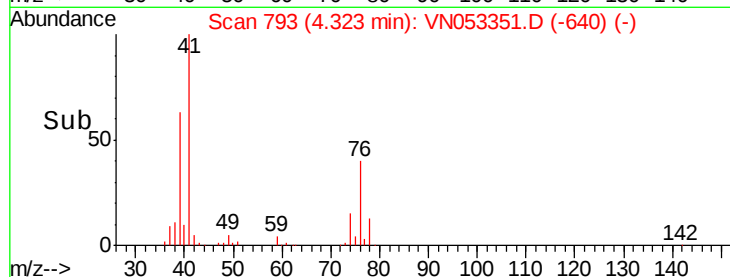
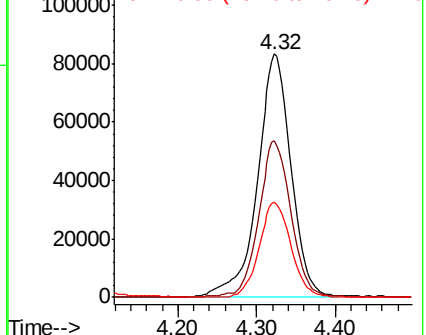
41 100

39 64.3 32.8 98.3

76 38.9 18.6 55.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 18.709 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion: 84 Resp: 179414

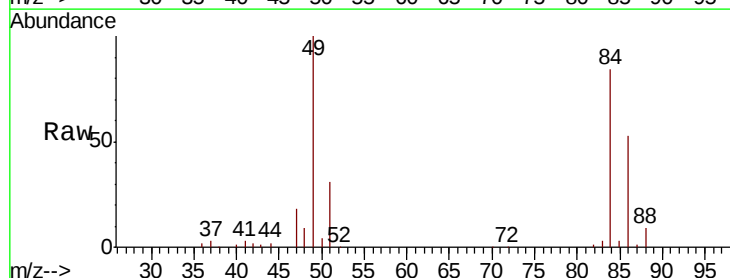
Ion Ratio Lower Upper

84 100

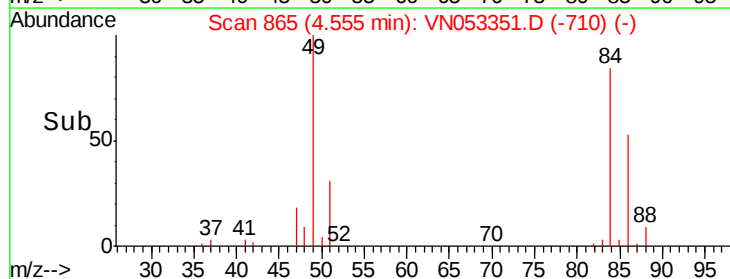
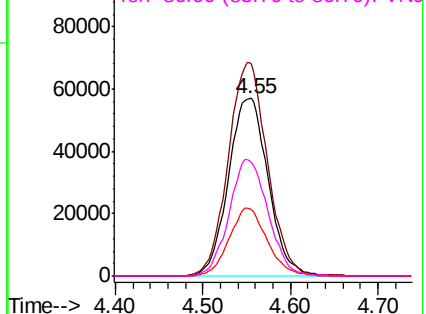
49 119.1 101.4 152.0

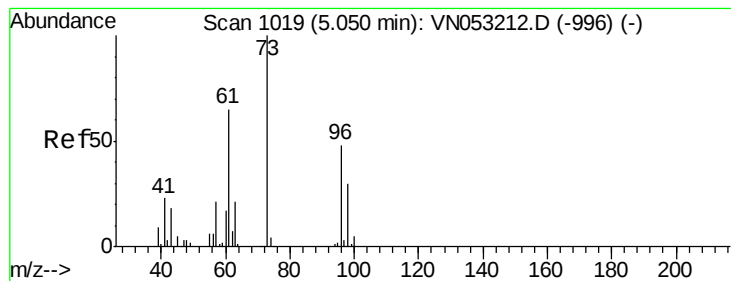
51 37.5 31.7 47.5

86 63.9 50.1 75.1



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 18.781 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

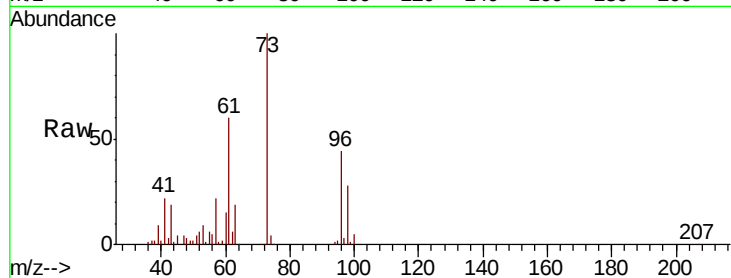
Tgt Ion: 96 Resp: 166306

Ion Ratio Lower Upper

96 100

61 136.8 118.2 177.4

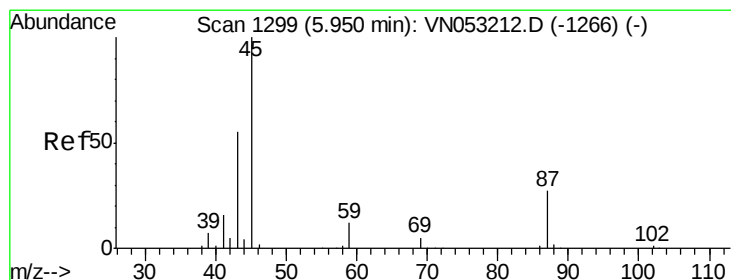
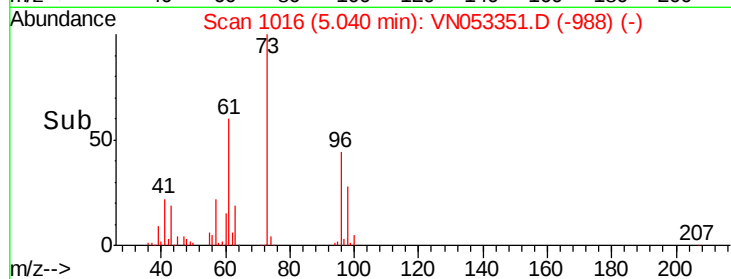
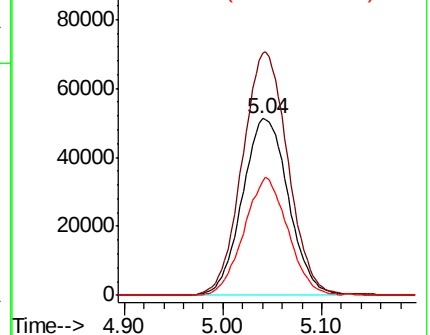
98 64.5 51.4 77.2



Abundance Ion 96.00 (95.70 to 96.70): VN053351.D (-996) (-)

Ion 61.00 (60.70 to 61.70): VN053351.D (-996) (-)

Ion 98.00 (97.70 to 98.70): VN053351.D (-996) (-)



#20

Diisopropyl ether

Concen: 19.485 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Tgt Ion: 45 Resp: 550051

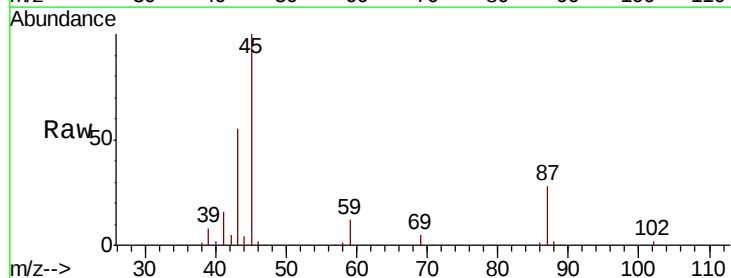
Ion Ratio Lower Upper

45 100

43 54.4 47.8 71.8

87 28.2 21.3 31.9

59 11.5 8.9 13.3

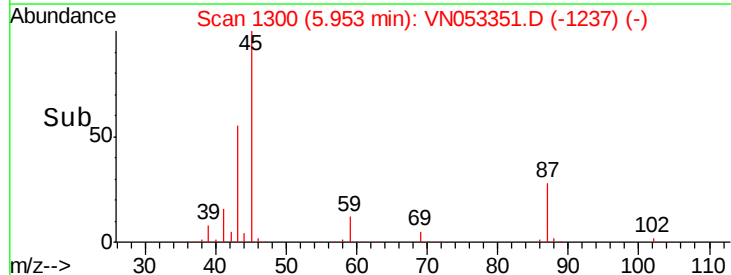
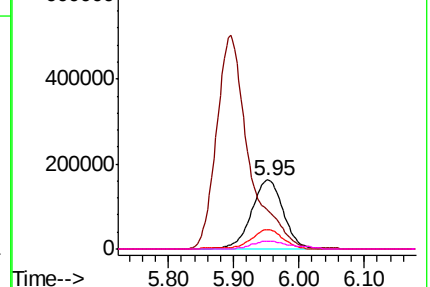


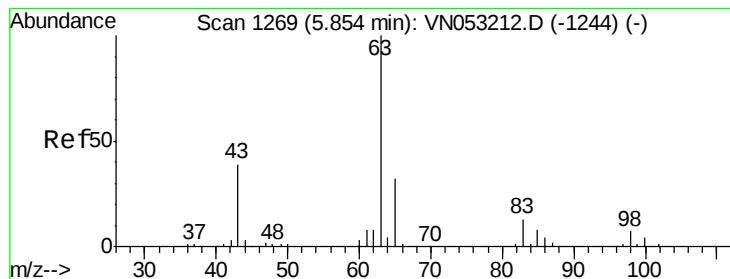
Abundance Ion 45.00 (44.70 to 45.70): VN053351.D (-1237) (-)

Ion 43.00 (42.70 to 43.70): VN053351.D (-1237) (-)

Ion 87.00 (86.70 to 87.70): VN053351.D (-1237) (-)

Ion 59.00 (58.70 to 59.70): VN053351.D (-1237) (-)





#21

1,1-Dichloroethane

Concen: 19.048 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

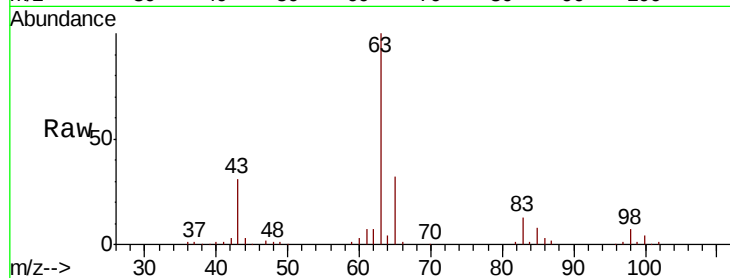
Tgt Ion: 63 Resp: 313071

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

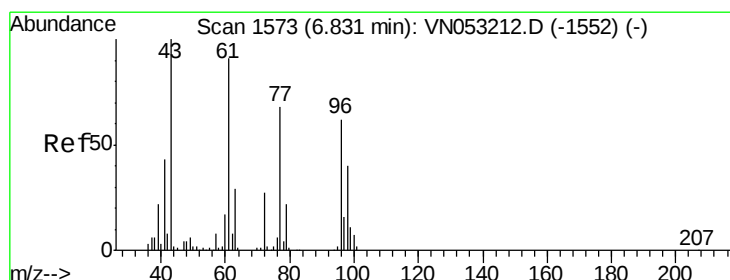
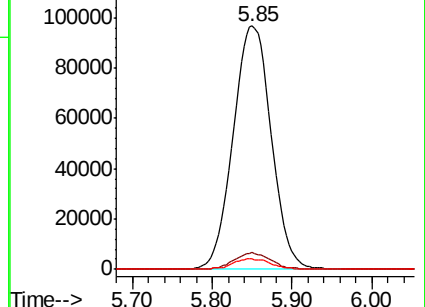
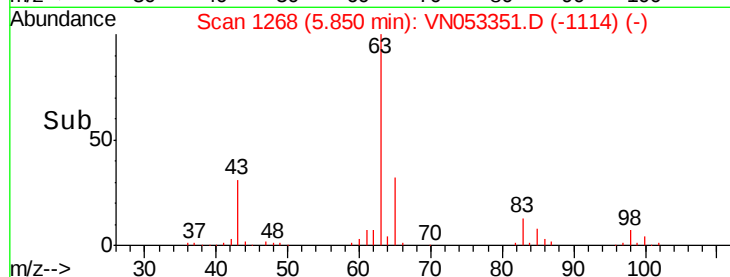
100 4.1 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN053351.D (-1114) (-)

Ion 98.00 (97.70 to 98.70): VN053351.D (-1114) (-)

Ion 100.00 (99.70 to 100.70): VN053351.D (-1114) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.316 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

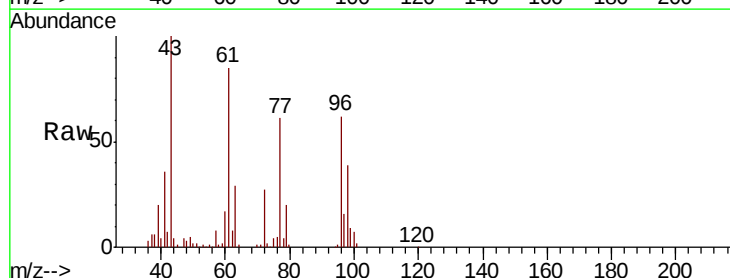
Tgt Ion: 96 Resp: 192671

Ion Ratio Lower Upper

96 100

61 138.8 116.7 175.1

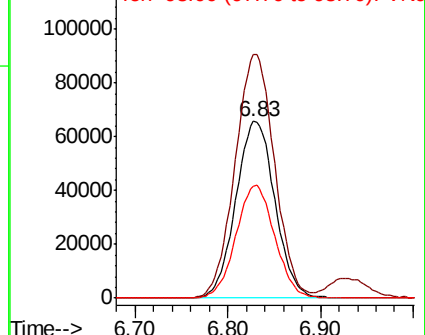
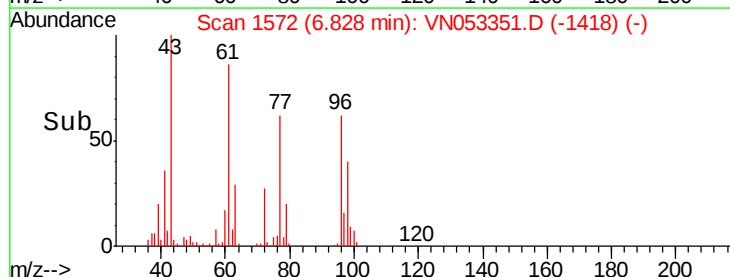
98 63.1 50.8 76.2

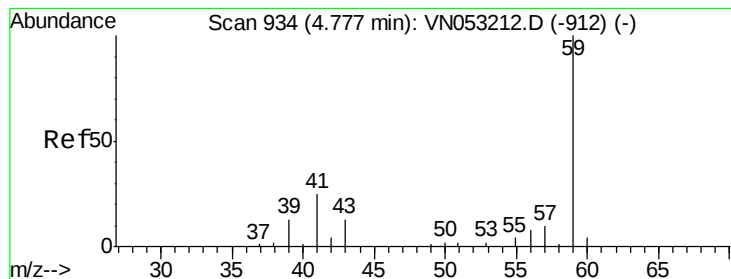


Abundance Ion 96.00 (95.70 to 96.70): VN053351.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN053351.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN053351.D (-1418) (-)



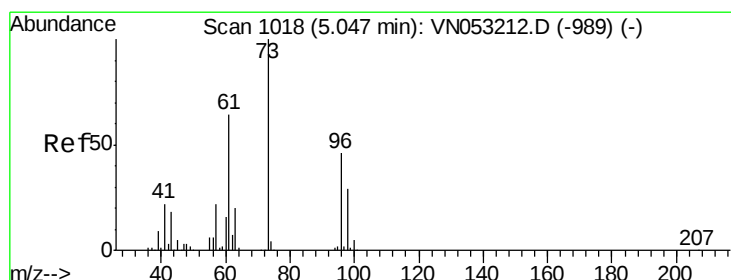
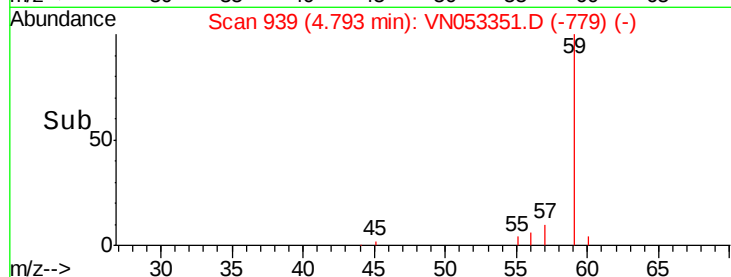
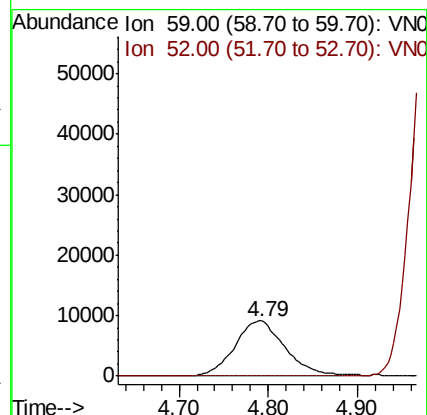
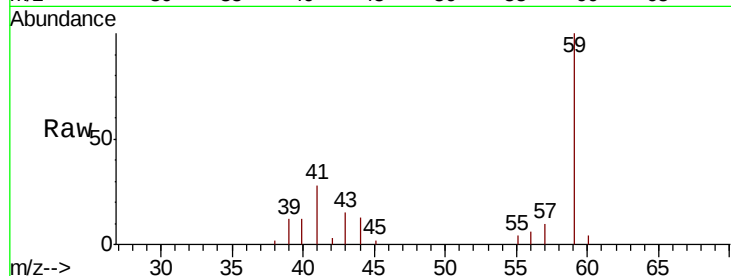


#23

tert-Butyl Alcohol
 Concen: 72.533 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.02 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

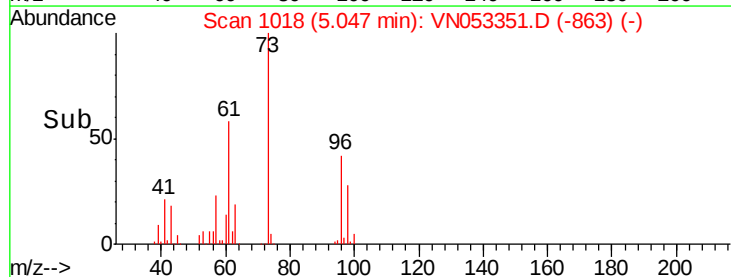
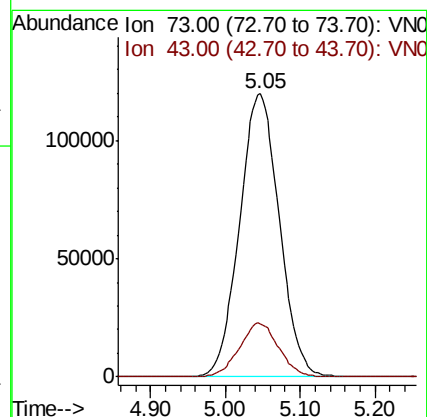
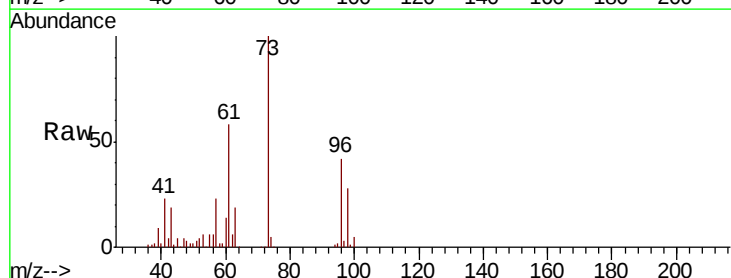
Tgt Ion: 59 Resp: 35724
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

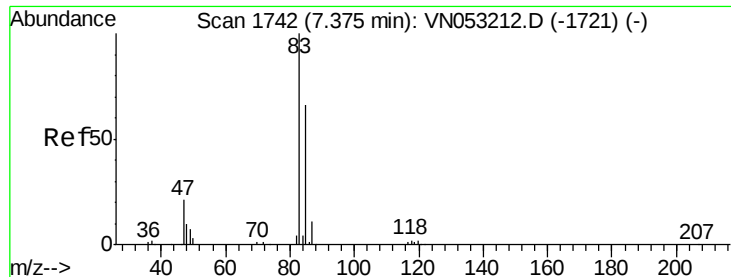


#24

Methyl tert-Butyl Ether
 Concen: 20.258 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 73 Resp: 442615
 Ion Ratio Lower Upper
 73 100
 43 18.8 15.8 23.8





#25

Chloroform

Concen: 19.158 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

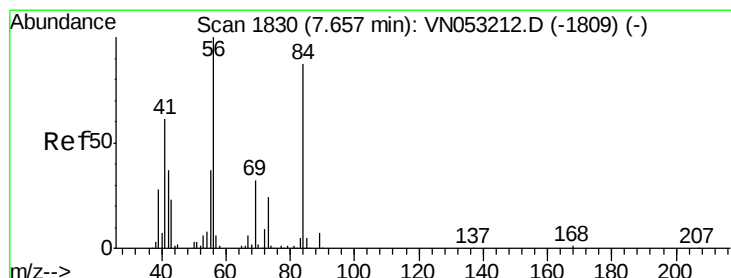
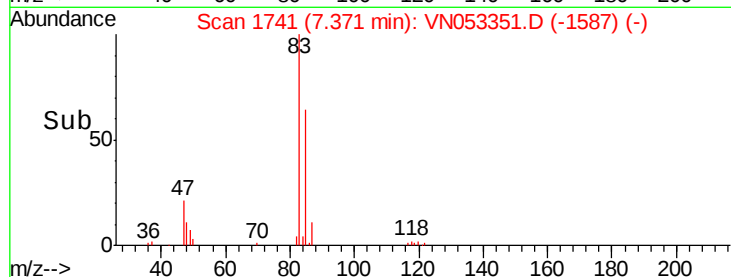
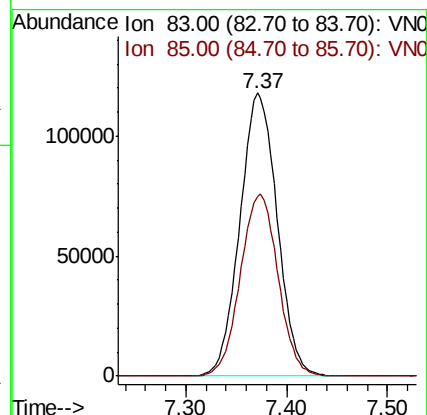
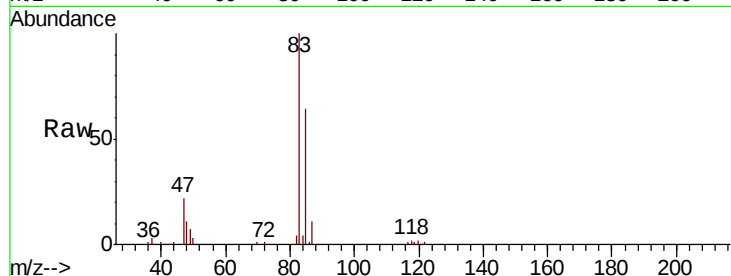
VSTDCCC020EC

Tgt Ion: 83 Resp: 302679

Ion Ratio Lower Upper

83 100

85 63.6 51.7 77.5



#26

Cyclohexane

Concen: 18.781 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

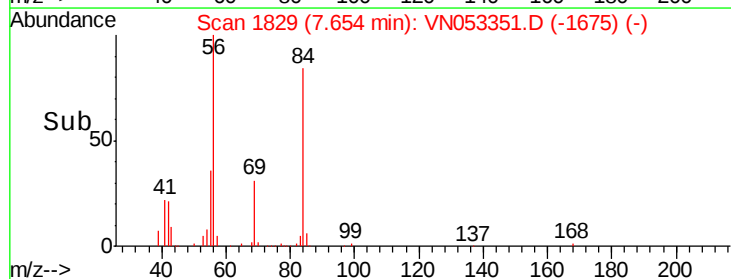
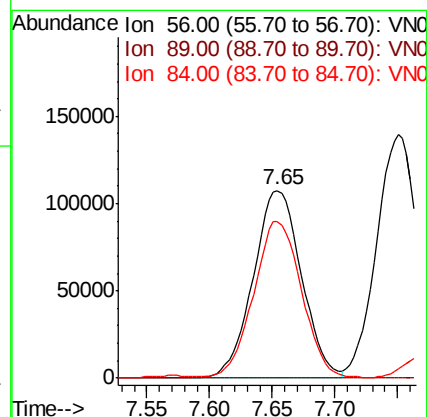
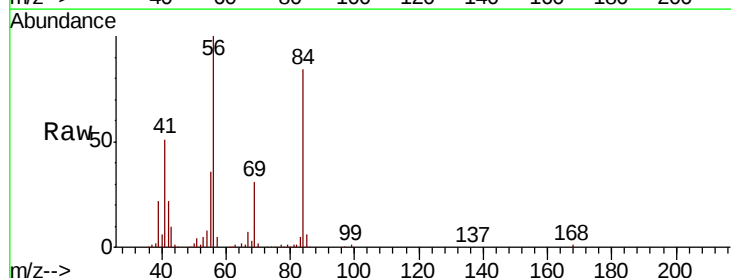
Tgt Ion: 56 Resp: 287919

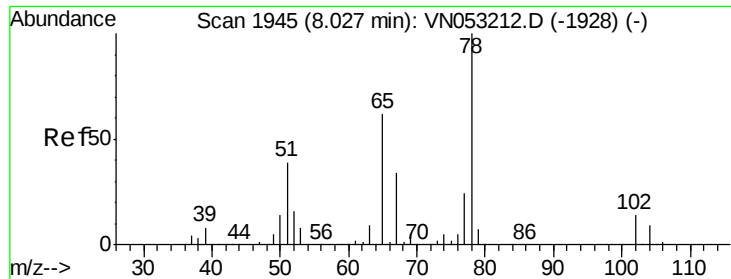
Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

84 83.3 66.2 99.2

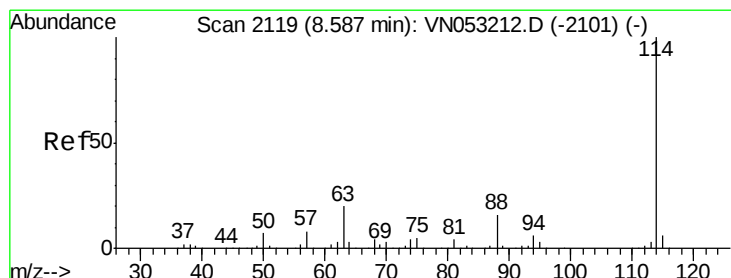
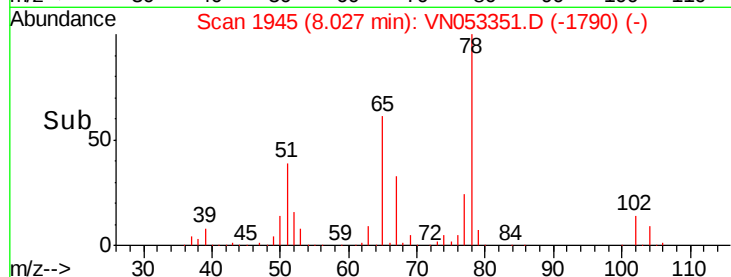
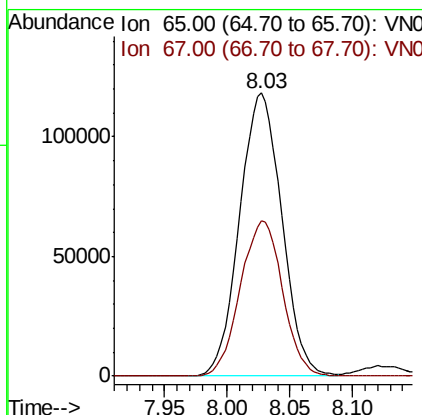
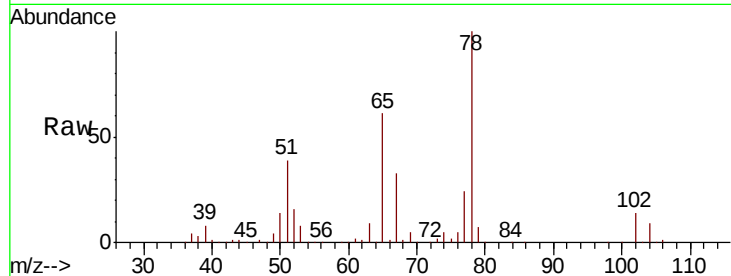




#27
 1,2-Dichloroethane-d4
 Concen: 18.781 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

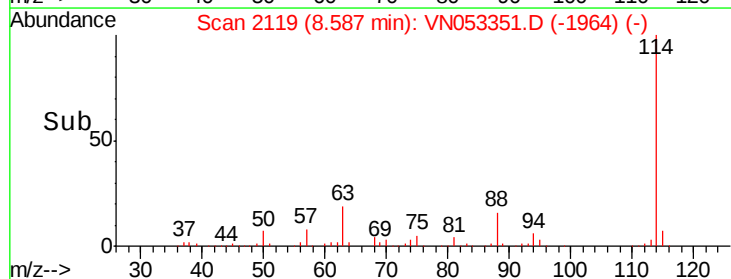
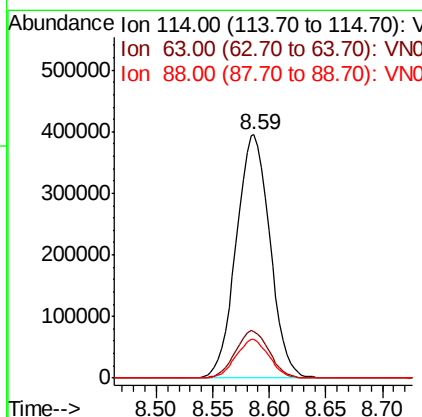
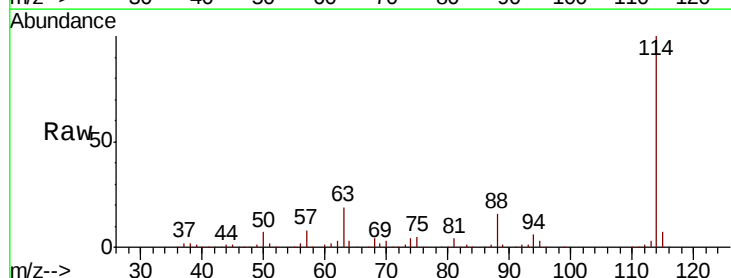
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

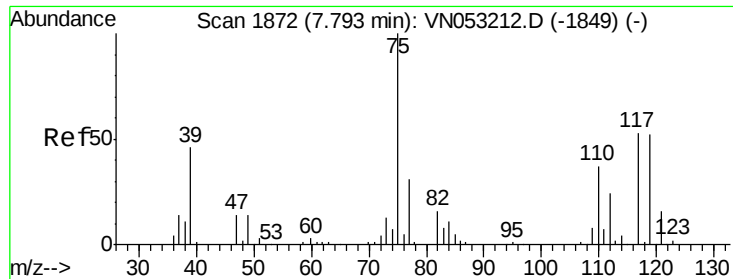
Tgt Ion: 65 Resp: 276945
 Ion Ratio Lower Upper
 65 100
 67 54.8 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 114 Resp: 820999
 Ion Ratio Lower Upper
 114 100
 63 19.5 16.9 25.3
 88 15.5 12.8 19.2

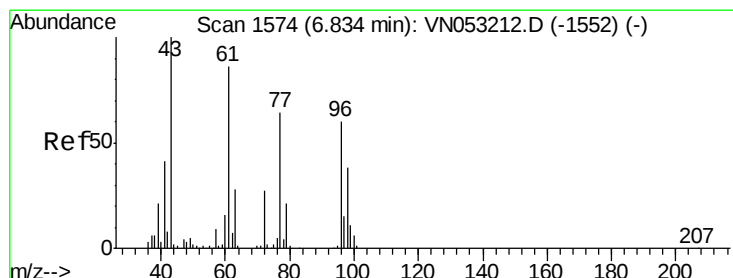
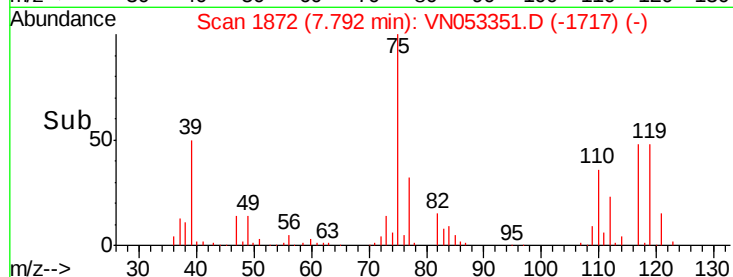
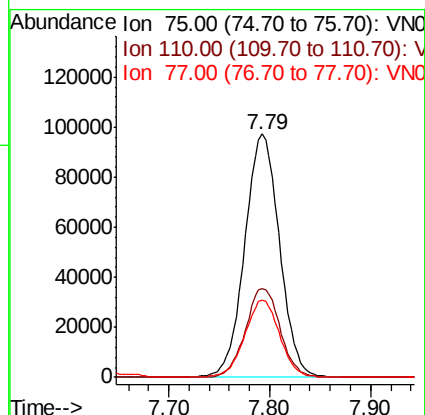
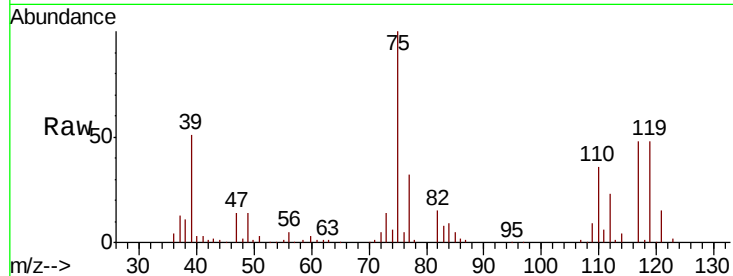




#29
 1,1-Dichloropropene
 Concen: 18.689 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

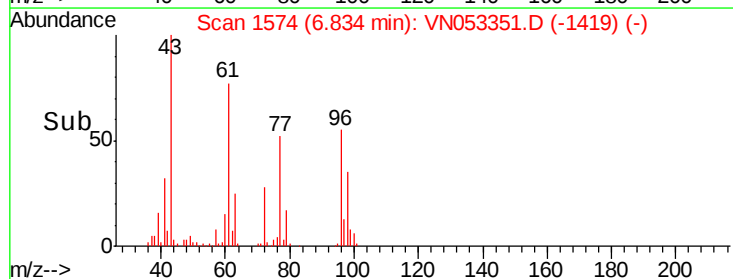
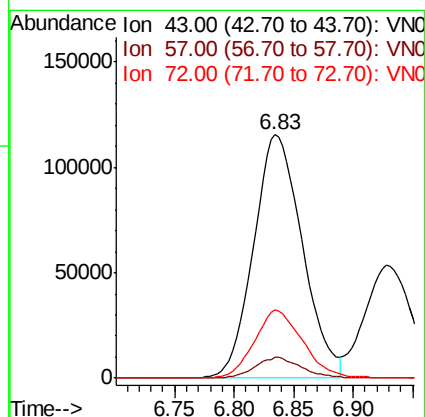
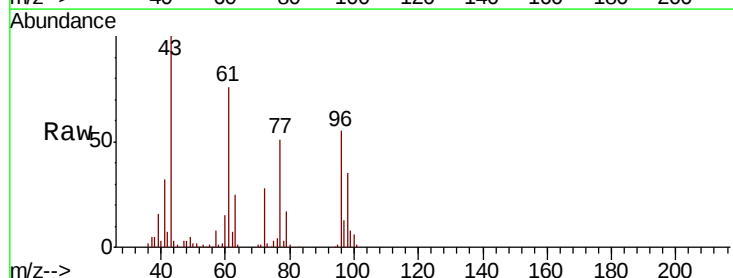
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

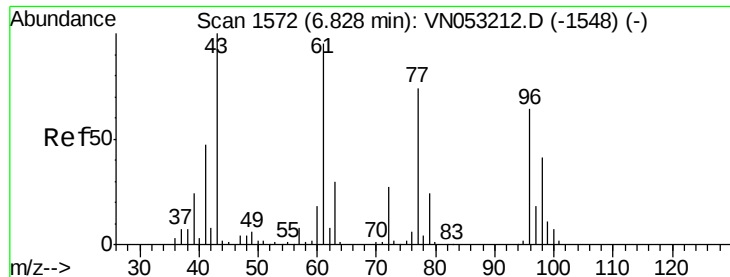
Tgt Ion: 75 Resp: 232420
 Ion Ratio Lower Upper
 75 100
 110 36.4 0.0 70.2
 77 31.9 0.0 62.6



#30
 2-Butanone
 Concen: 105.214 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 43 Resp: 326438
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.2 9.4
 72 28.0 21.0 31.6





#31

2,2-Dichloropropane

Concen: 16.918 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

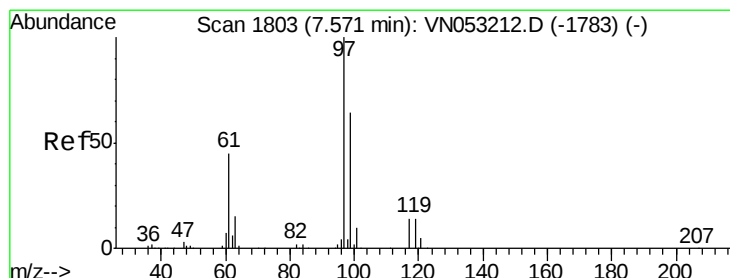
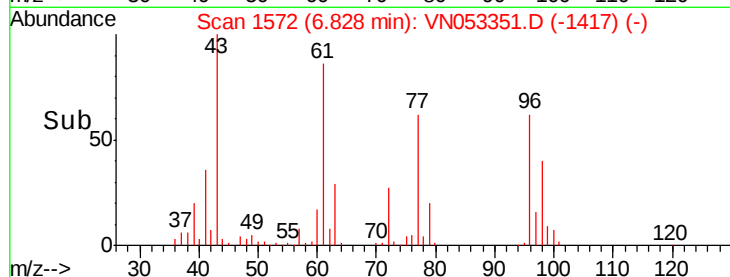
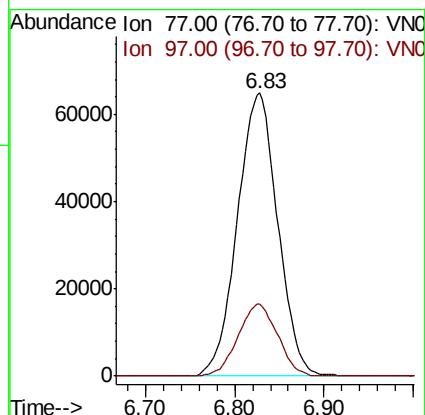
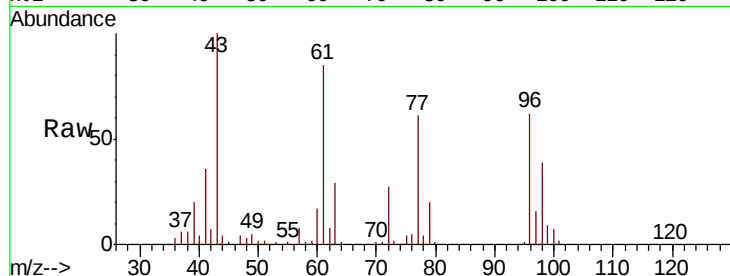
VSTDCCC020EC

Tgt Ion: 77 Resp: 203678

Ion Ratio Lower Upper

77 100

97 24.9 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 19.274 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

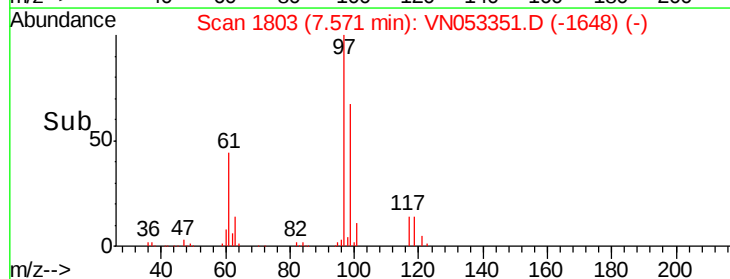
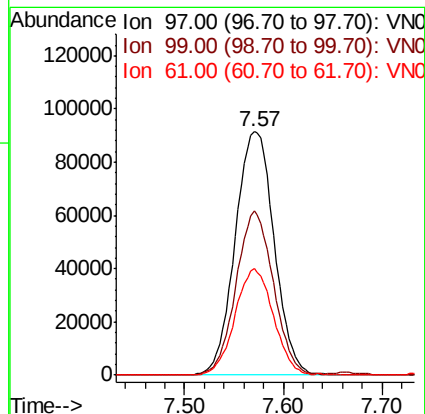
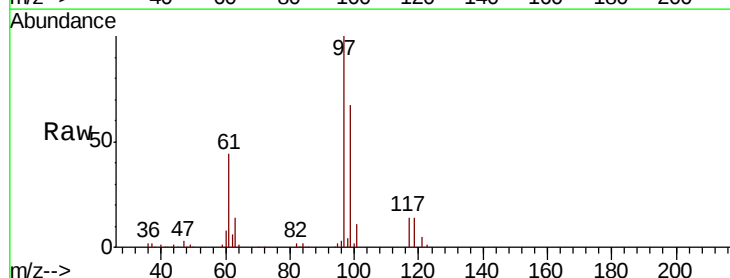
Tgt Ion: 97 Resp: 251135

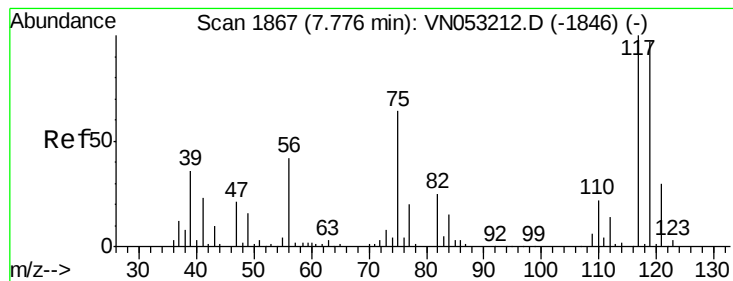
Ion Ratio Lower Upper

97 100

99 64.6 50.9 76.3

61 42.9 38.1 57.1





#33

Carbon Tetrachloride

Concen: 18.581 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

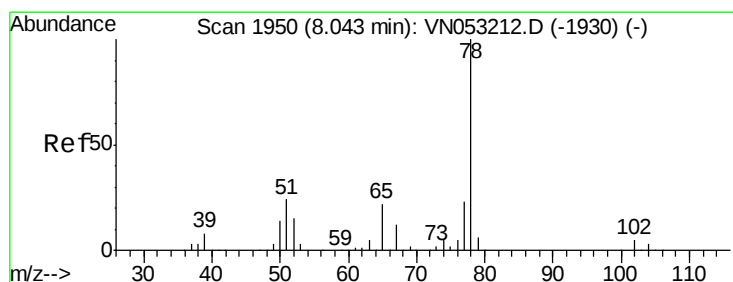
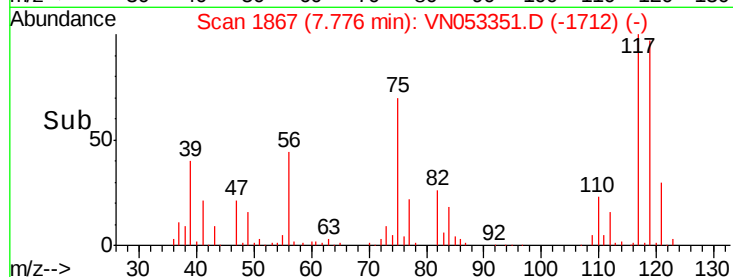
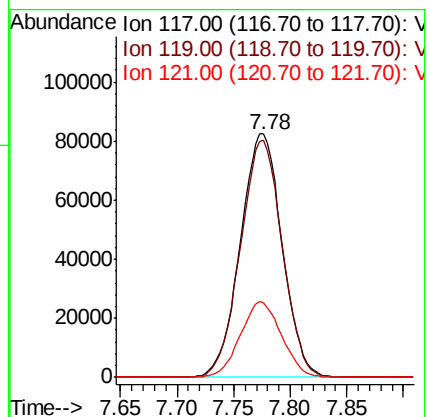
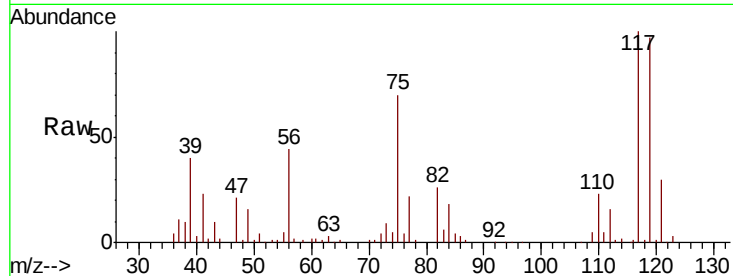
Tgt Ion: 117 Resp: 211920

Ion Ratio Lower Upper

117 100

119 97.3 77.3 115.9

121 30.5 24.9 37.3



#34

Benzene

Concen: 19.230 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

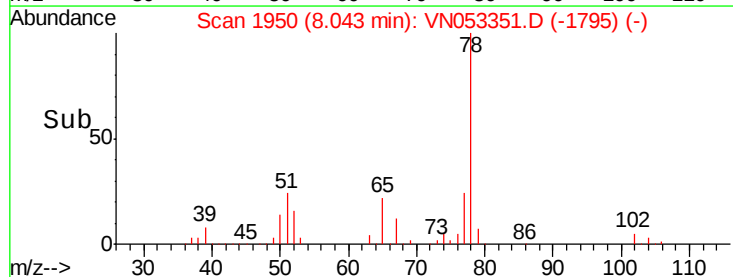
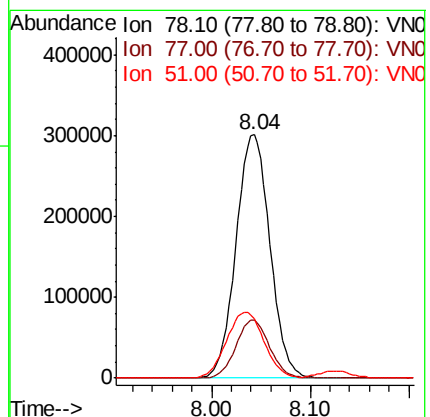
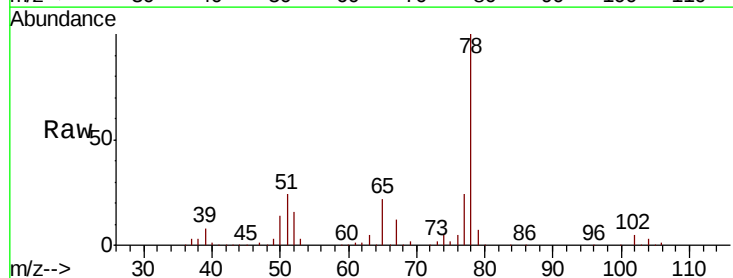
Tgt Ion: 78 Resp: 718727

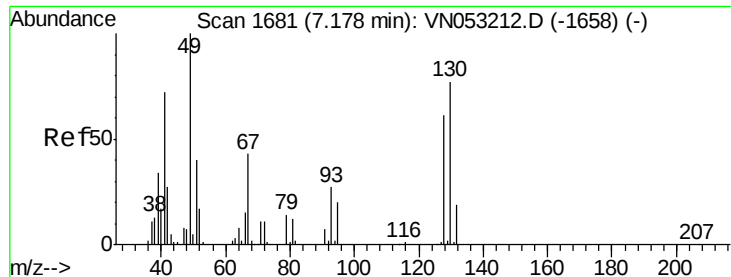
Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6

51 24.2 20.5 30.7

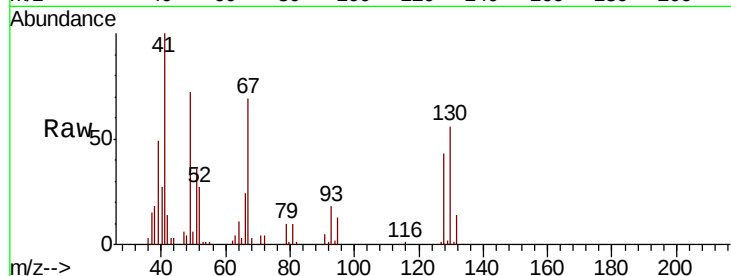




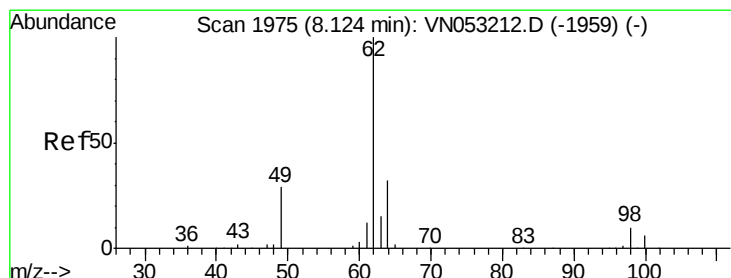
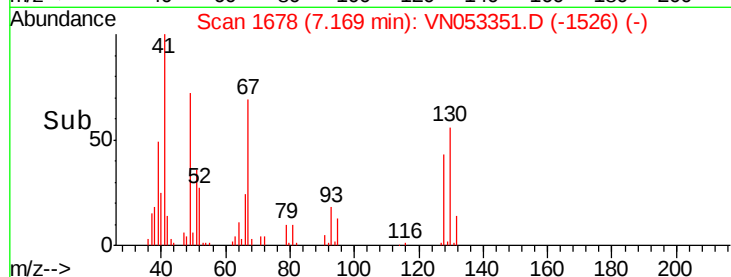
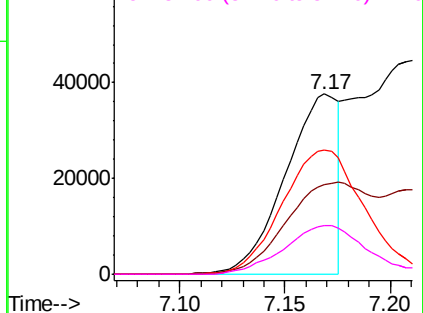
#35
Methacrylonitrile
Concen: 16.432 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	41	Resp:	65788
Ion	Ratio	Lower	Upper
41	100		
39	49.5	26.6	79.7
67	69.2	32.3	96.9
52	27.1	13.0	38.9

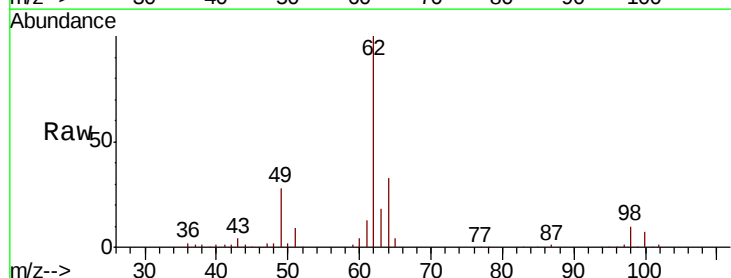


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

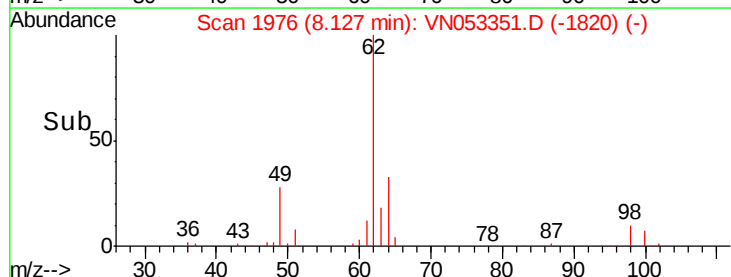
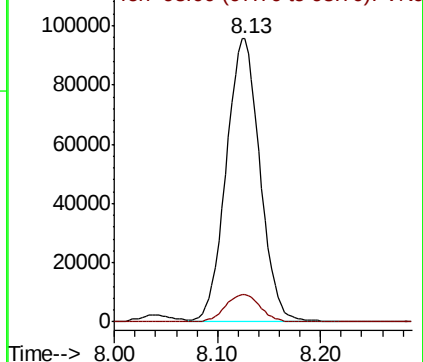


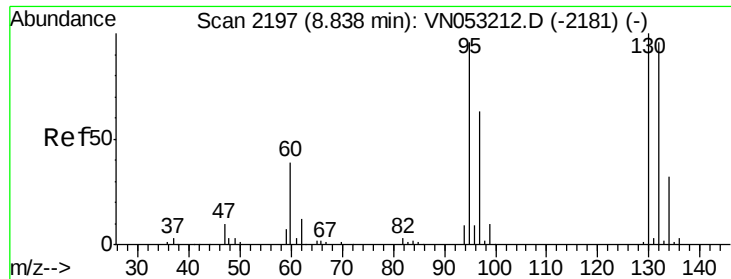
#36
1,2-Dichloroethane
Concen: 20.010 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion:	62	Resp:	217106
Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

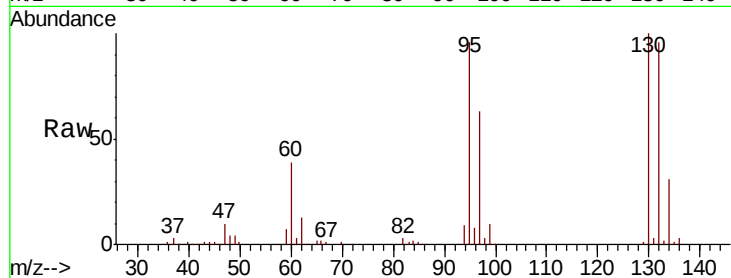




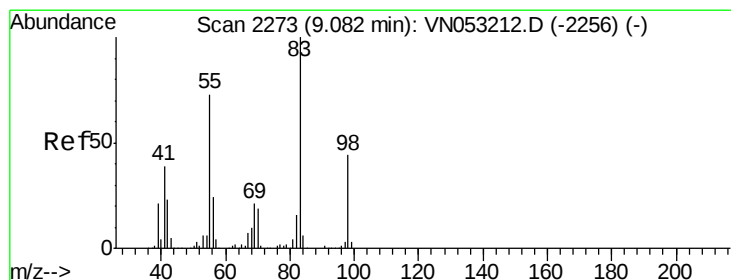
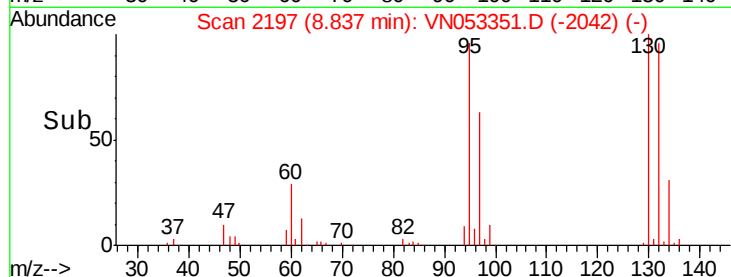
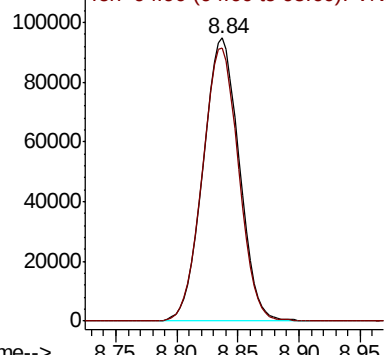
#37
 Trichloroethene
 Concen: 19.213 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:130 Resp: 194526
 Ion Ratio Lower Upper
 130 100
 95 96.4 81.0 121.4

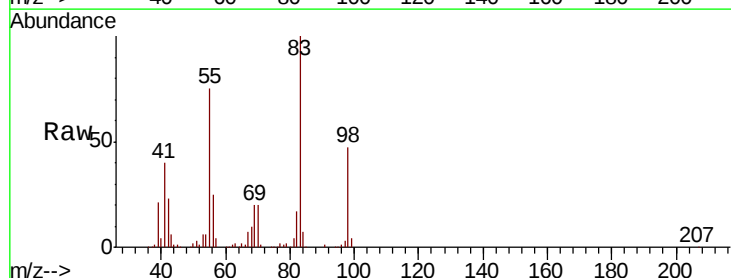


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

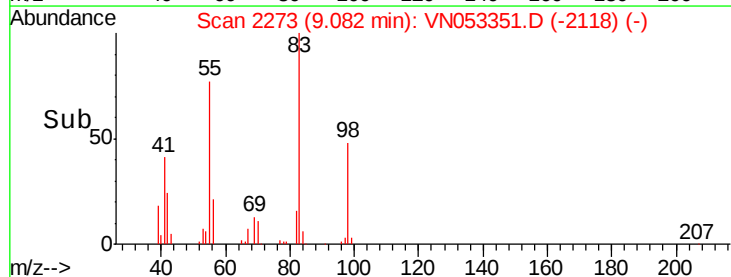
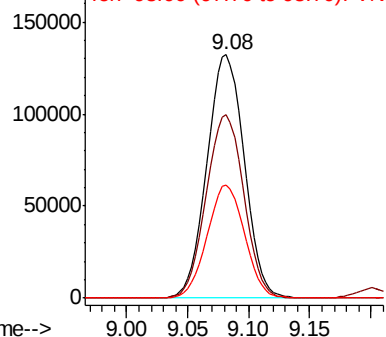


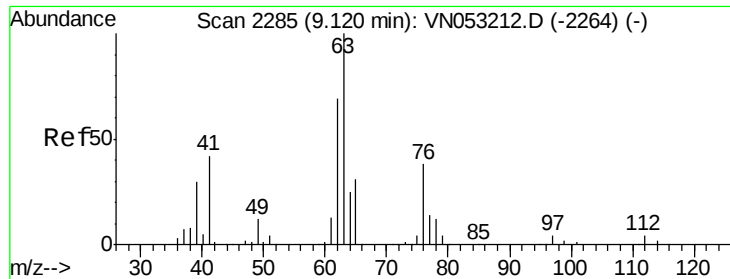
#38
 Methylcyclohexane
 Concen: 19.302 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 83 Resp: 280761
 Ion Ratio Lower Upper
 83 100
 55 76.0 39.8 119.4
 98 46.6 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

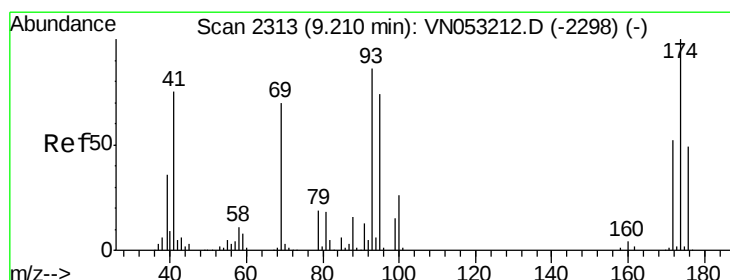
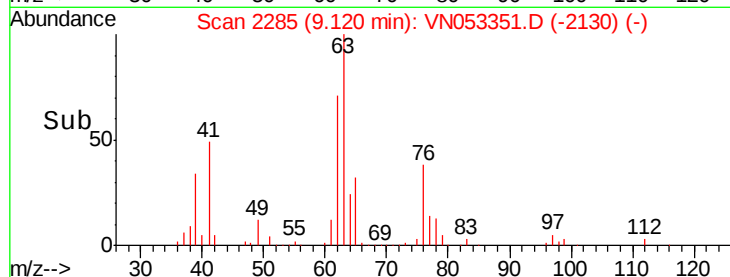
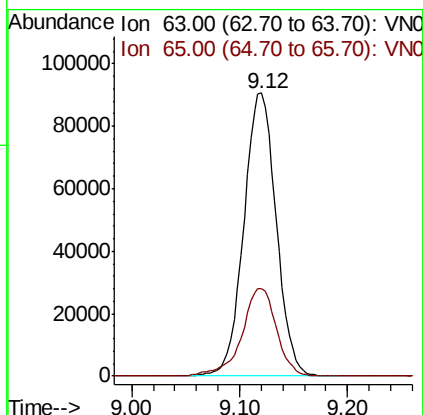
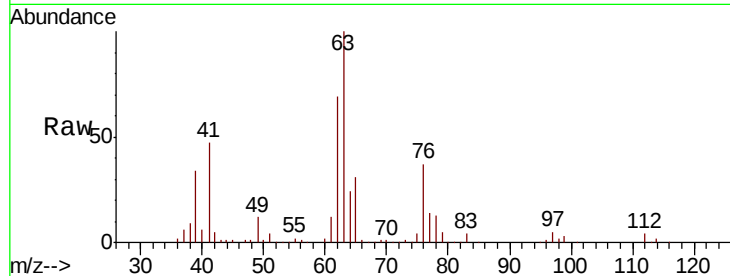




#39
 1,2-Dichloropropane
 Concen: 19.393 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

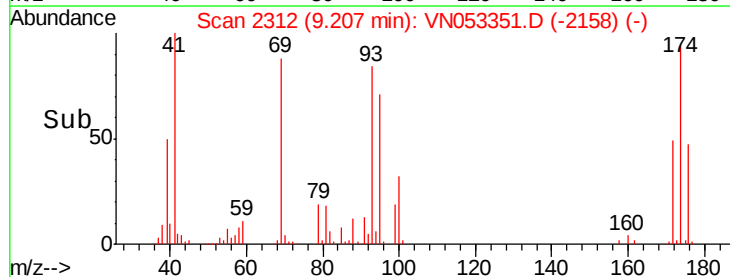
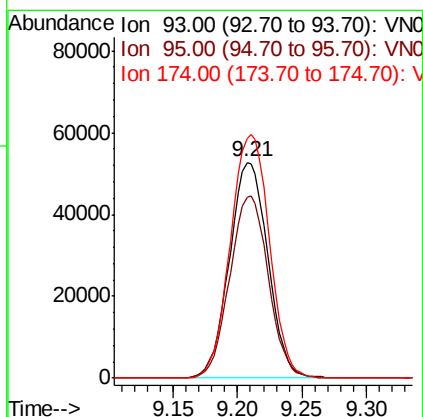
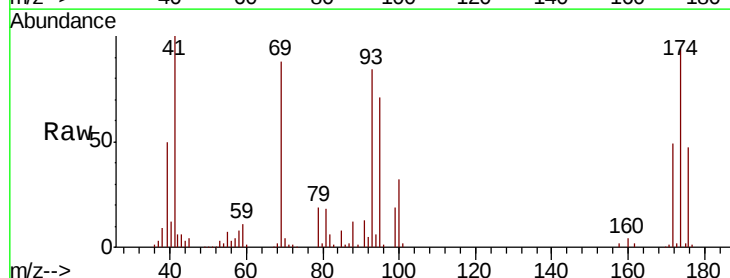
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

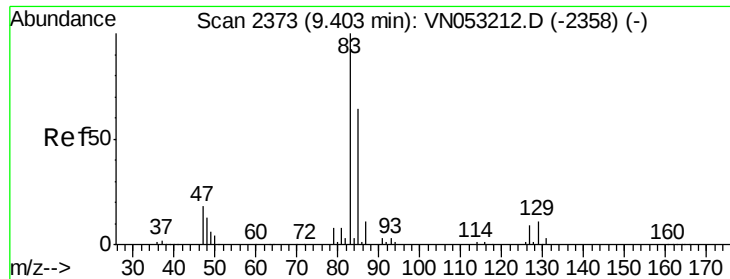
Tgt Ion: 63 Resp: 189263
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.6 35.4



#40
 Dibromomethane
 Concen: 19.854 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 93 Resp: 109578
 Ion Ratio Lower Upper
 93 100
 95 84.6 0.0 168.4
 174 114.3 0.0 210.0

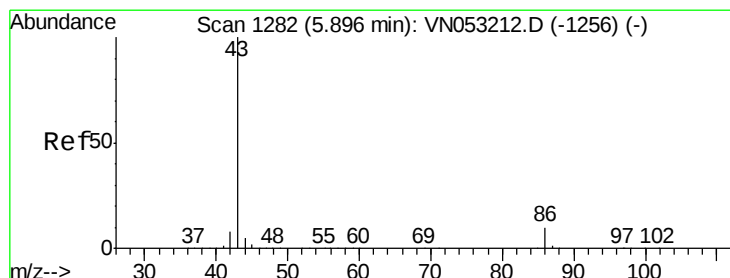
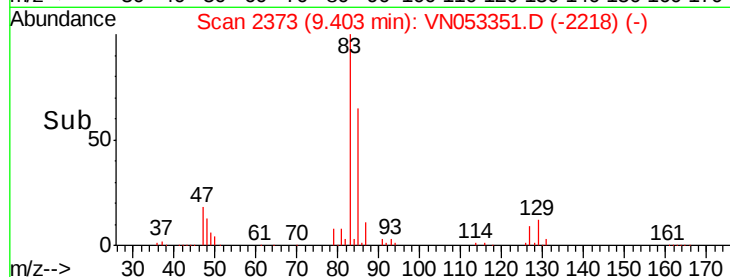
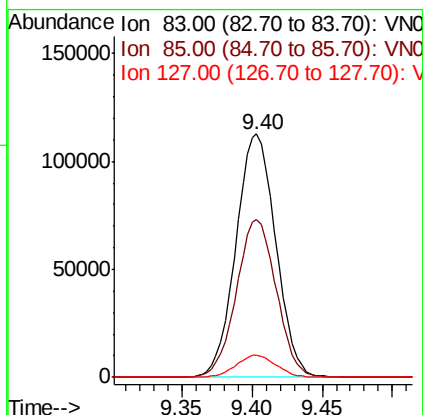
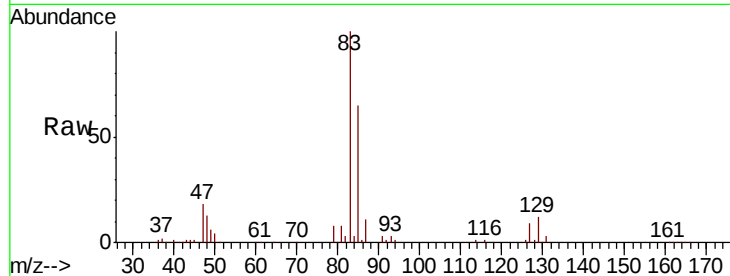




#41
 Bromodichloromethane
 Concen: 18.850 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

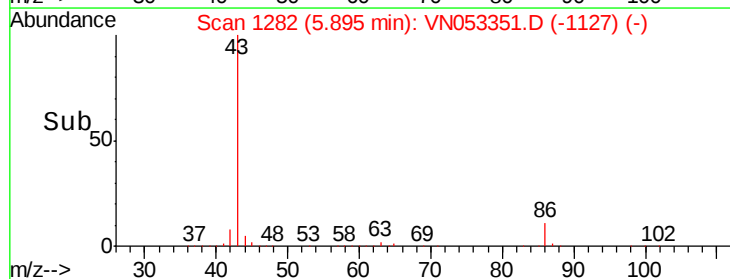
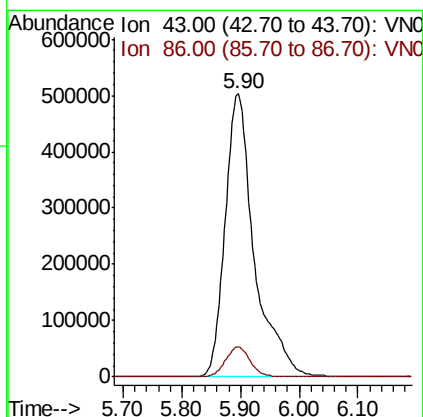
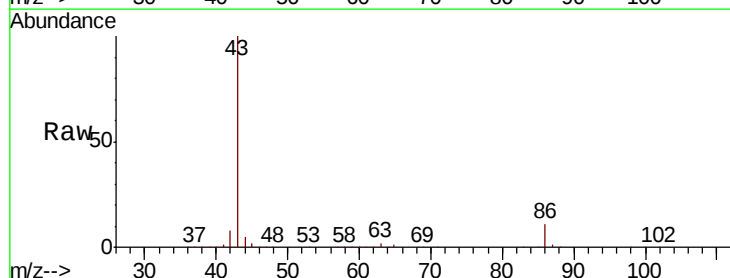
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

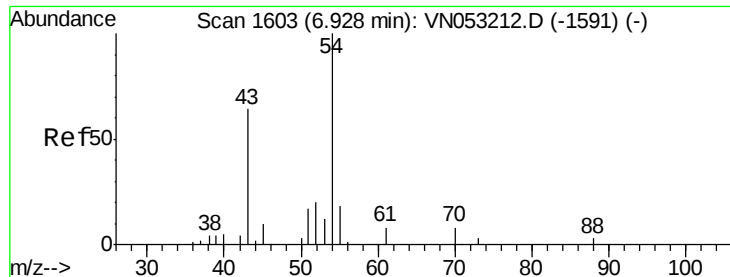
Tgt Ion: 83 Resp: 223427
 Ion Ratio Lower Upper
 83 100
 85 65.1 52.4 78.6
 127 9.3 6.6 9.8



#42
 Vinyl Acetate
 Concen: 102.600 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 43 Resp: 1736686
 Ion Ratio Lower Upper
 43 100
 86 9.1 6.5 9.7





#43

Ethyl Acetate

Concen: 21.283 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

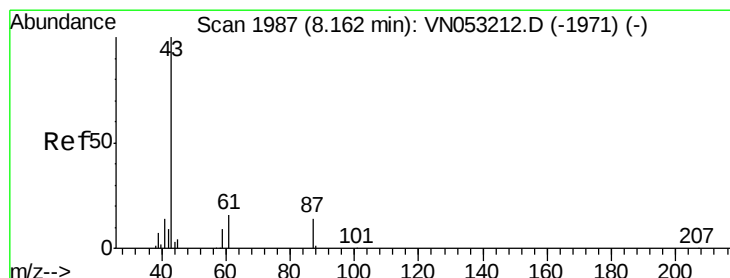
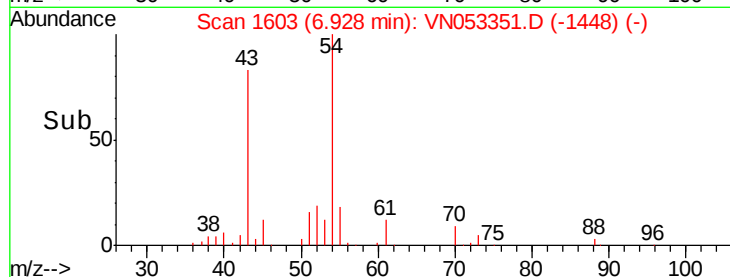
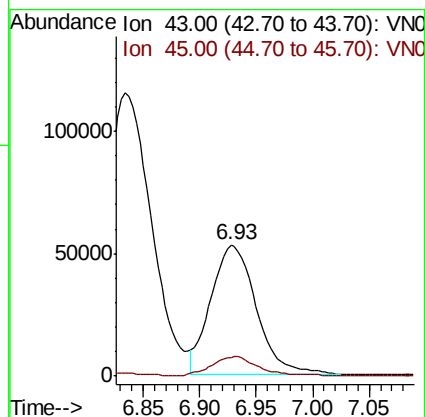
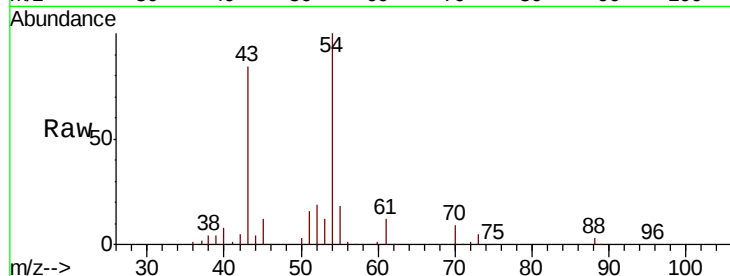
VSTDCCC020EC

Tgt Ion: 43 Resp: 147467

Ion Ratio Lower Upper

43 100

45 13.8 1.0 1.6#



#44

Isopropyl Acetate

Concen: 21.942 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053351.D

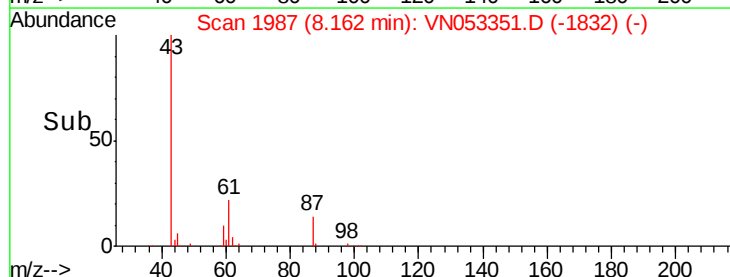
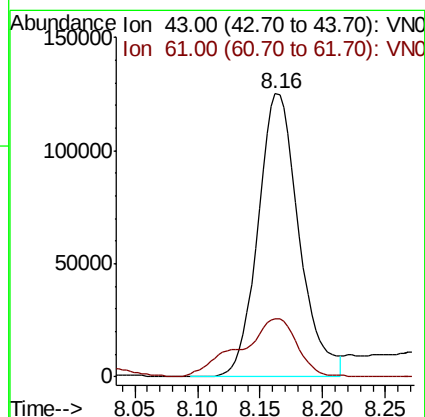
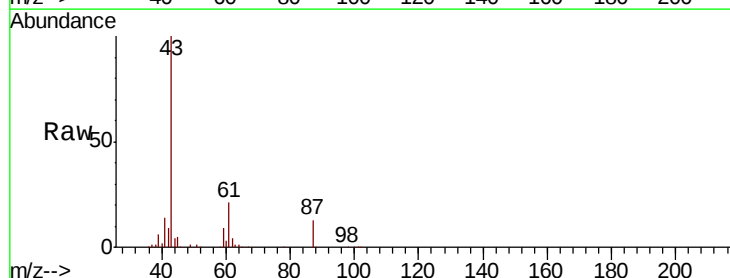
Acq: 10 Jan 2019 19:56

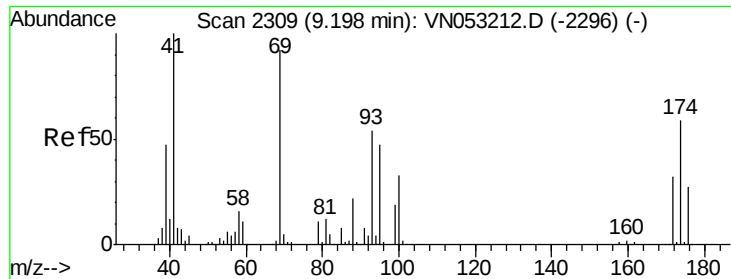
Tgt Ion: 43 Resp: 283211

Ion Ratio Lower Upper

43 100

61 19.9 16.0 24.0





#45

1,4-Dioxane

Concen: 208.294 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

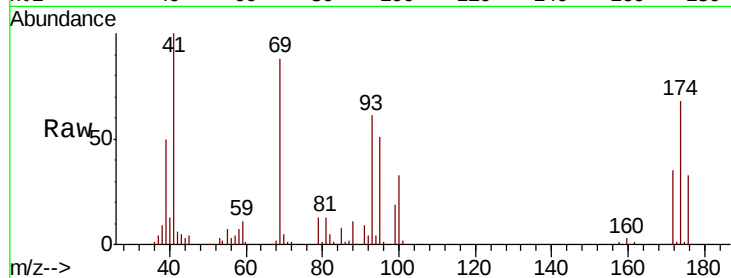
Tgt Ion: 88 Resp: 16440

Ion Ratio Lower Upper

88 100

43 44.8 29.5 44.3#

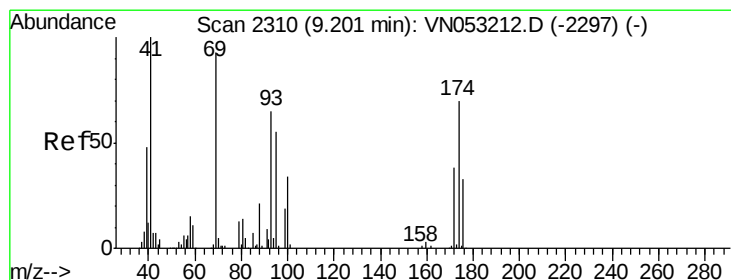
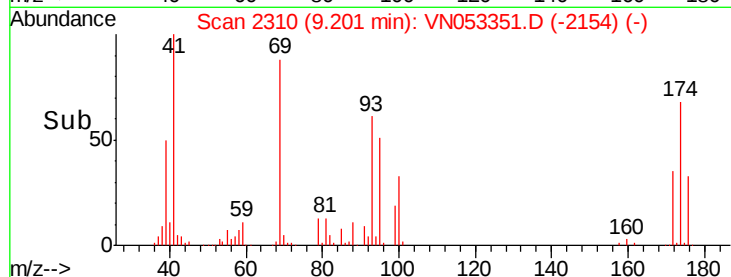
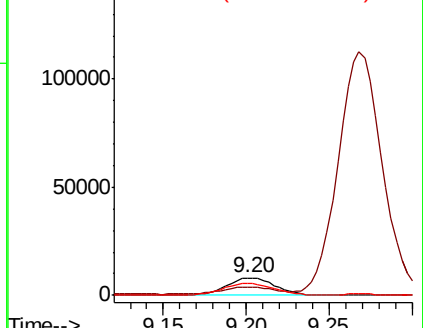
58 73.1 61.5 92.3



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: 20.782 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

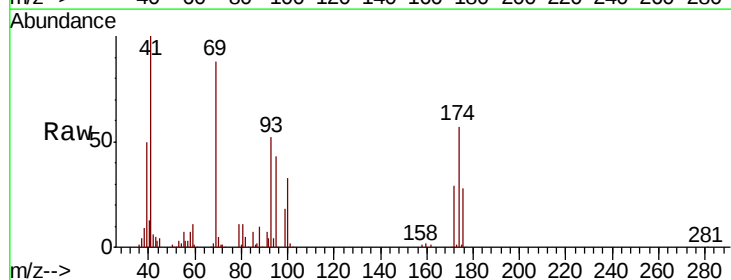
Tgt Ion: 41 Resp: 135507

Ion Ratio Lower Upper

41 100

69 89.8 42.5 127.6

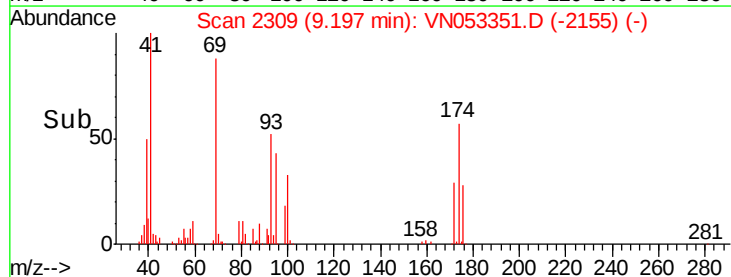
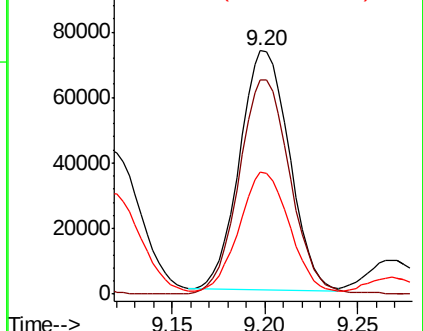
39 49.9 26.3 78.9

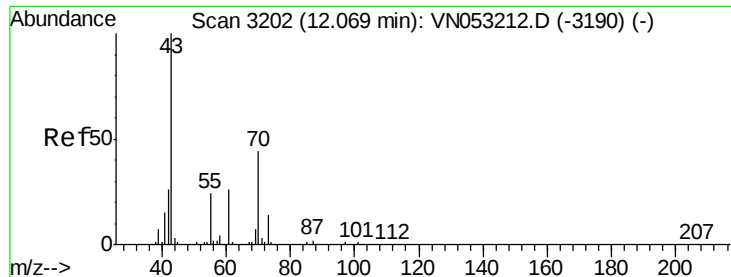


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

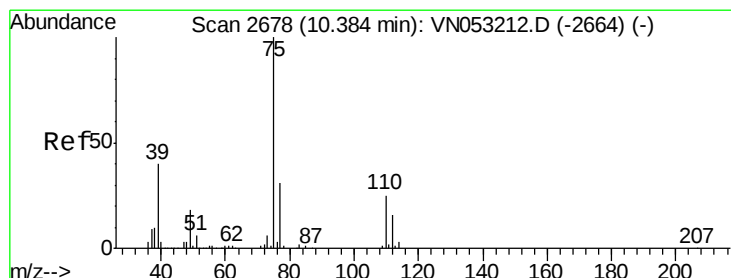
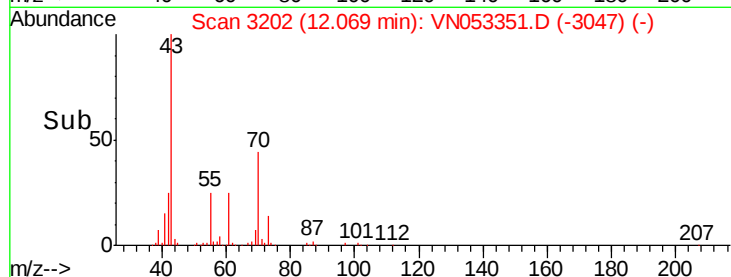
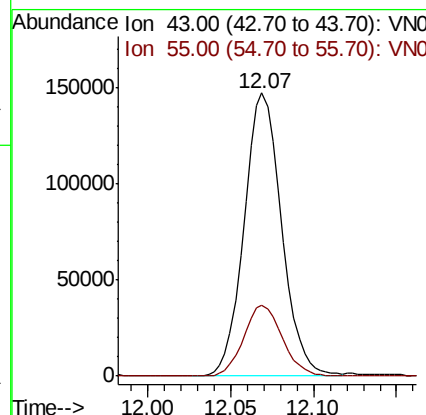
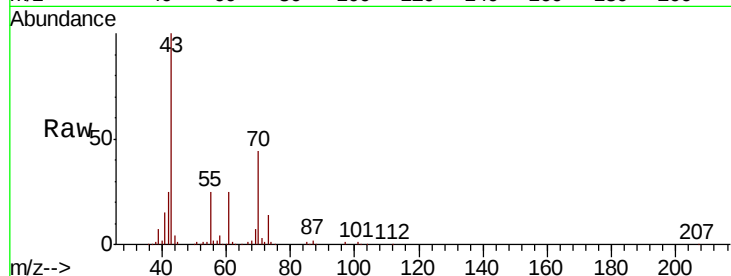




#47
n-amyl Acetate
Concen: 20.298 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

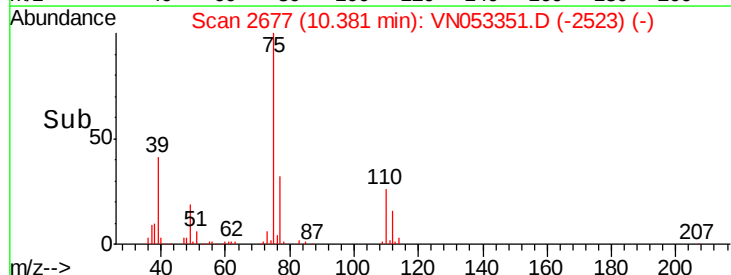
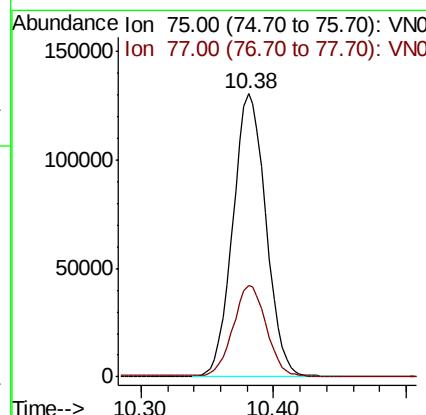
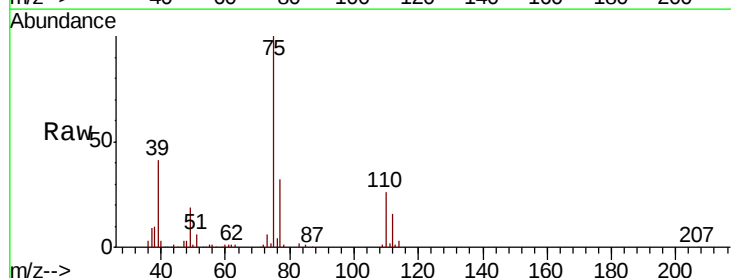
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

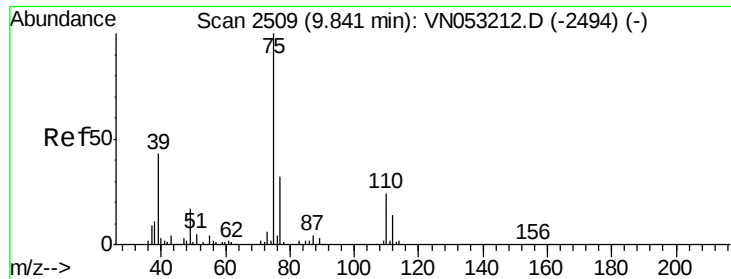
Tgt Ion: 43 Resp: 230081
Ion Ratio Lower Upper
43 100
55 26.0 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 18.701 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion: 75 Resp: 226234
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4

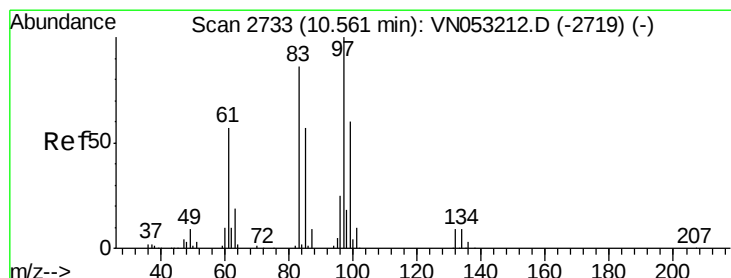
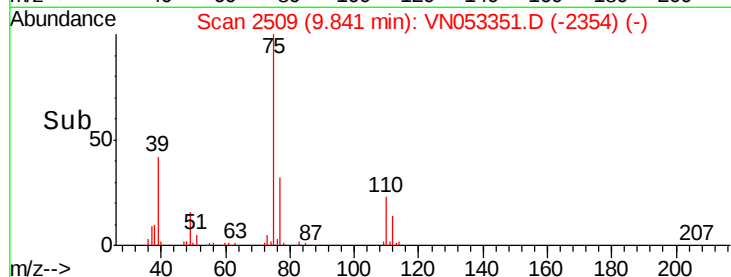
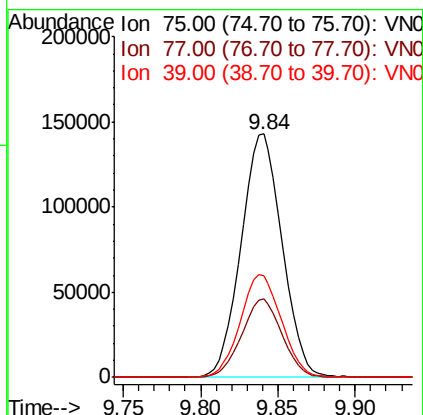
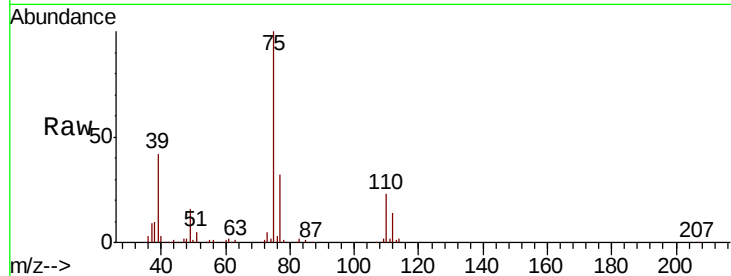




#49
 cis-1,3-Dichloropropene
 Concen: 18.531 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

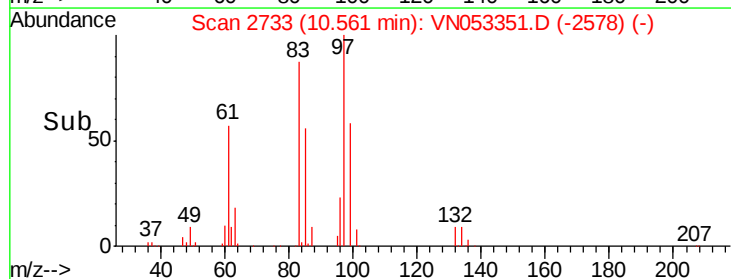
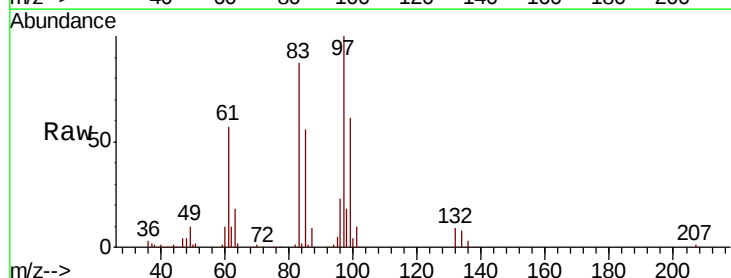
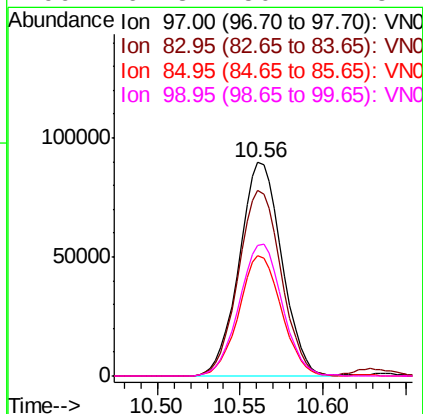
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

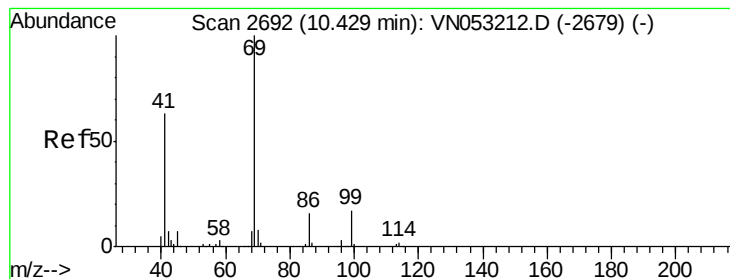
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	41.8	37.3	55.9



#50
 1,1,2-Trichloroethane
 Concen: 20.292 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.4	105.6
85	56.3	45.0	67.6
99	61.3	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.409 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

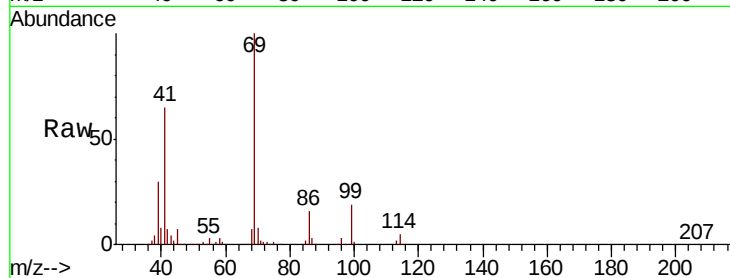
Tgt Ion: 69 Resp: 210497

Ion Ratio Lower Upper

69 100

41 64.4 34.4 103.3

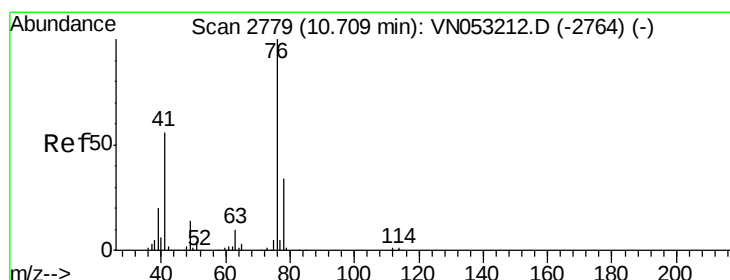
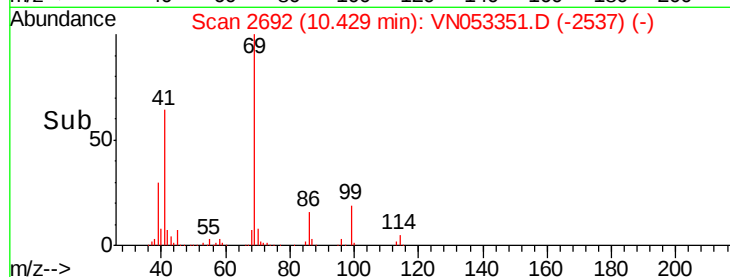
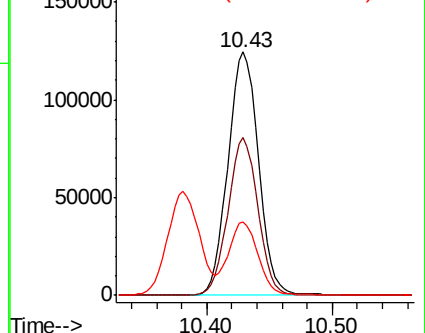
39 30.0 16.4 49.2



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: 20.076 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN053351.D

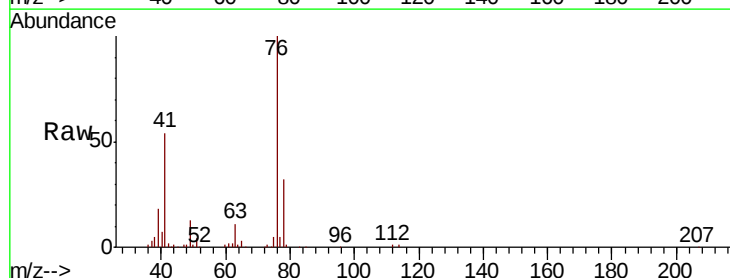
Acq: 10 Jan 2019 19:56

Tgt Ion: 76 Resp: 273683

Ion Ratio Lower Upper

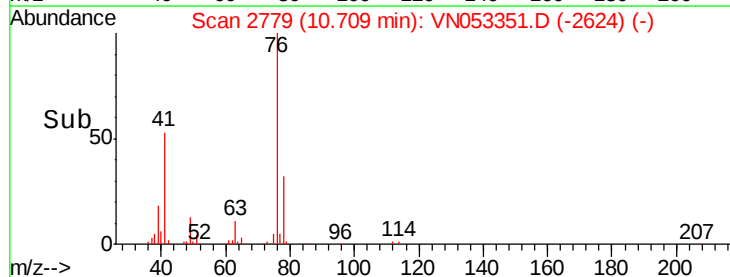
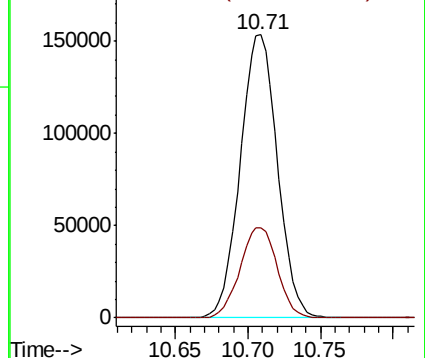
76 100

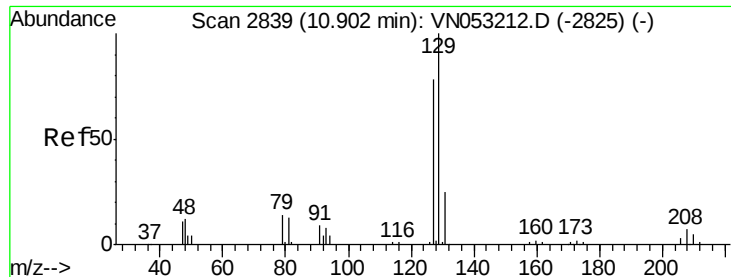
78 32.0 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

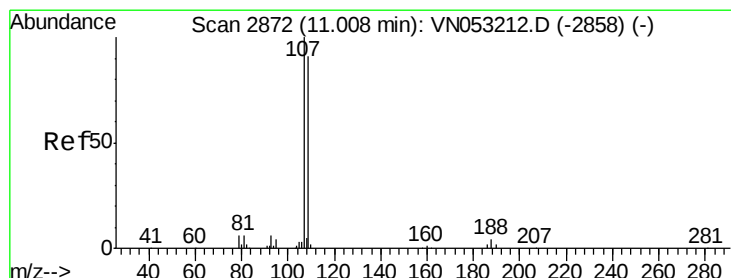
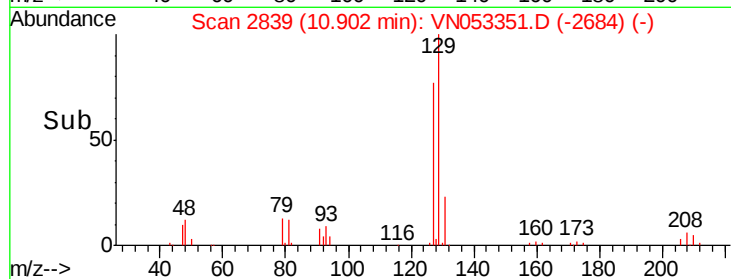
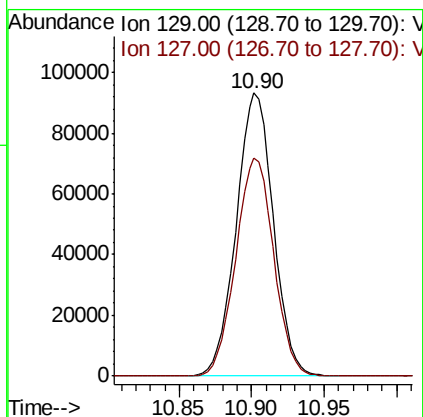
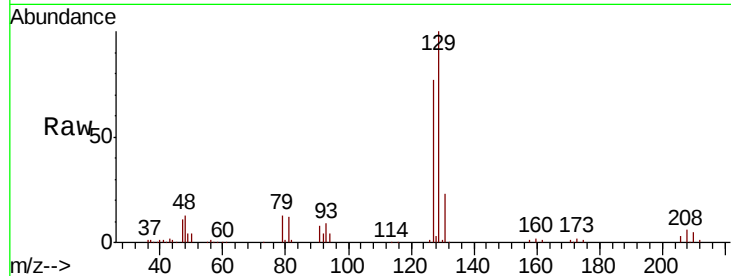




#53
 Dibromochloromethane
 Concen: 18.689 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

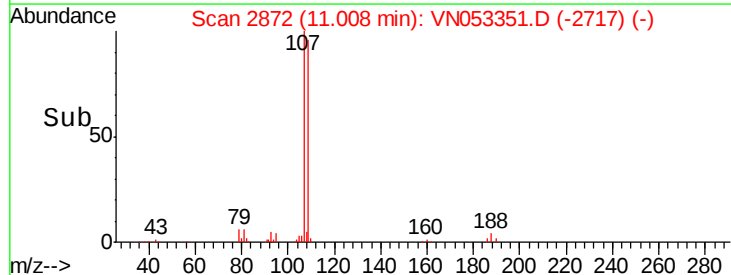
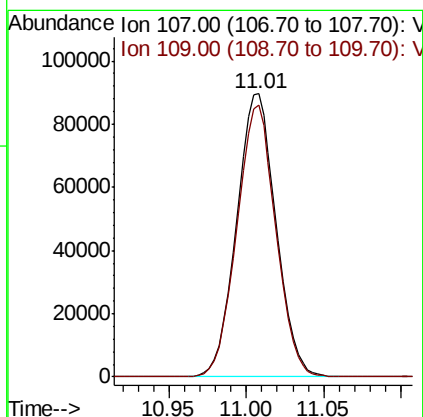
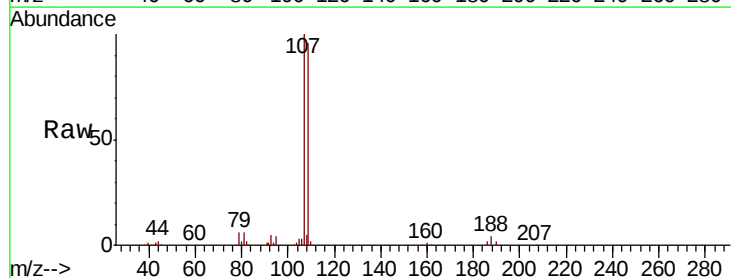
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

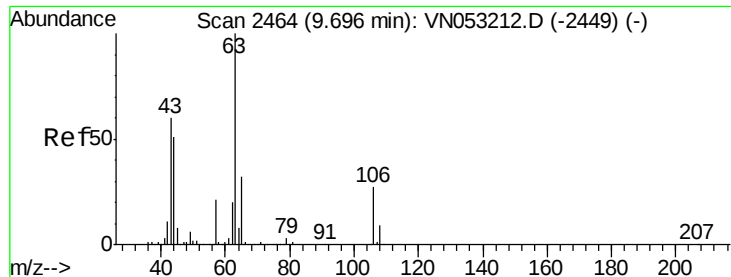
Tgt Ion:129 Resp: 166113
 Ion Ratio Lower Upper
 129 100
 127 78.7 37.6 112.8



#54
 1,2-Dibromoethane
 Concen: 19.842 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion:107 Resp: 158407
 Ion Ratio Lower Upper
 107 100
 109 94.8 77.1 115.7

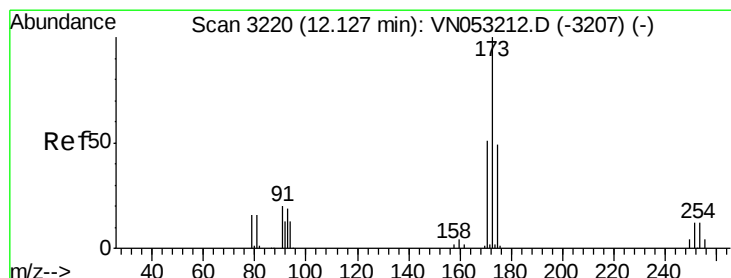
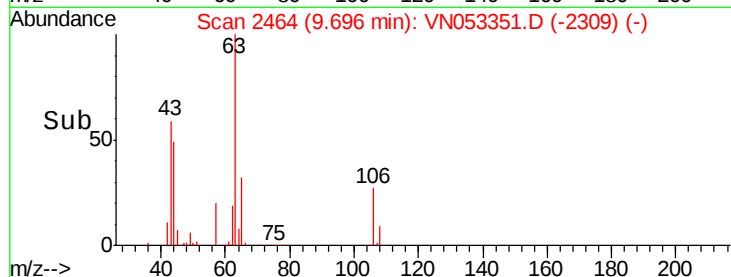
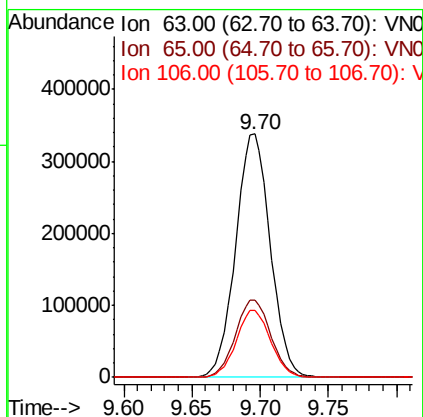
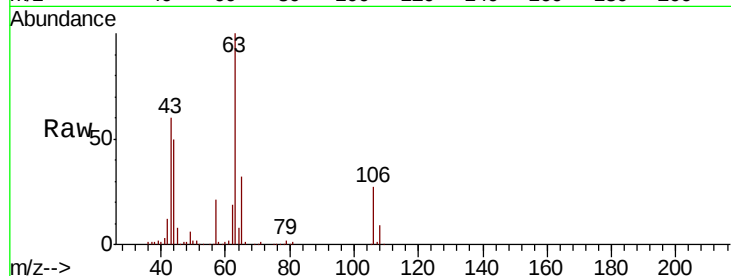




#55
 2-Chloroethyl vinyl ether
 Concen: 100.394 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

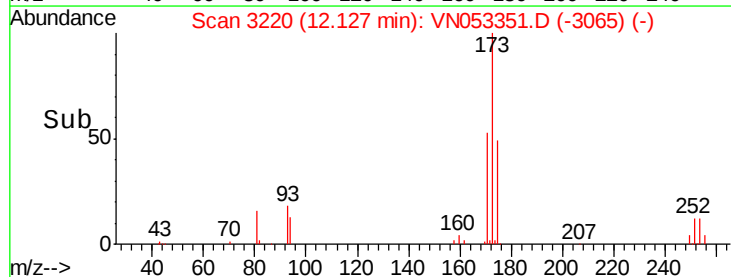
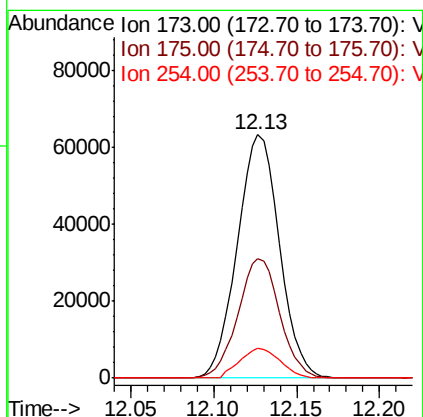
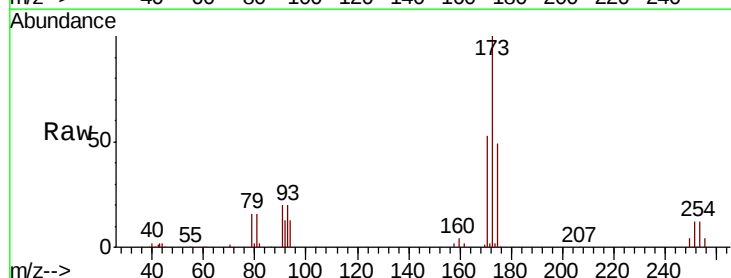
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

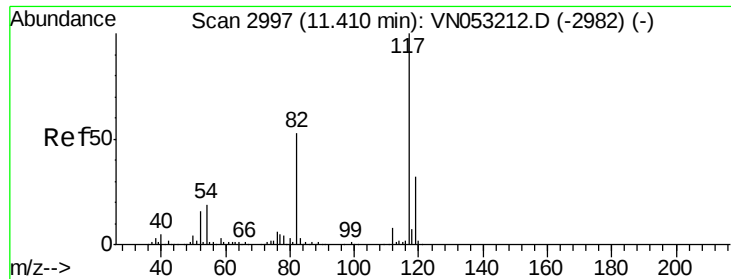
Tgt Ion: 63 Resp: 594232
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.4 38.2
 106 27.3 20.4 30.6



#56
 Bromoform
 Concen: 18.472 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 173 Resp: 112315
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.7 58.1
 254 11.7 8.4 12.6

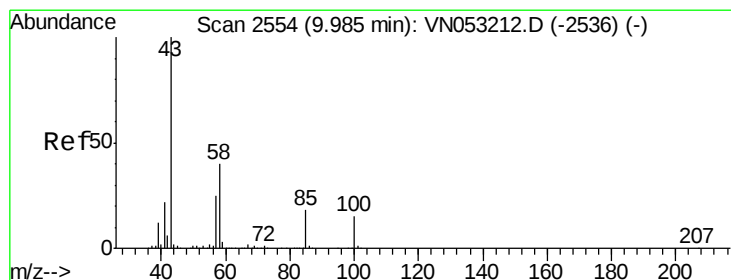
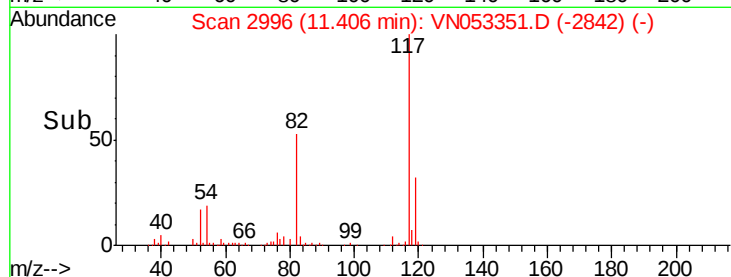
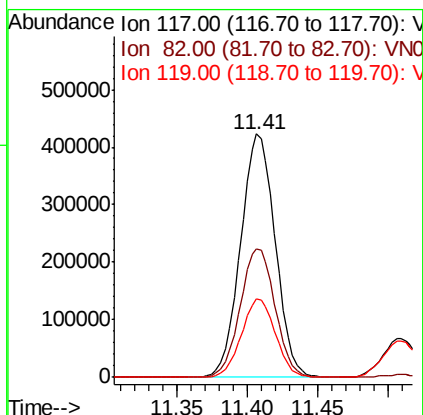
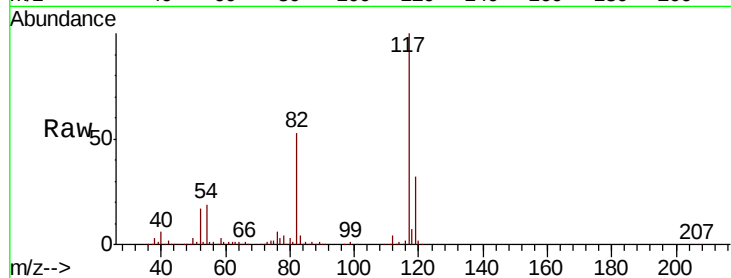




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

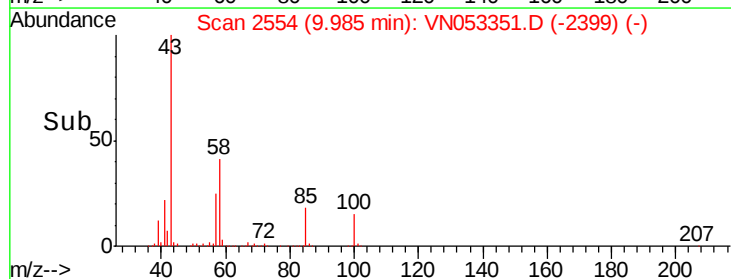
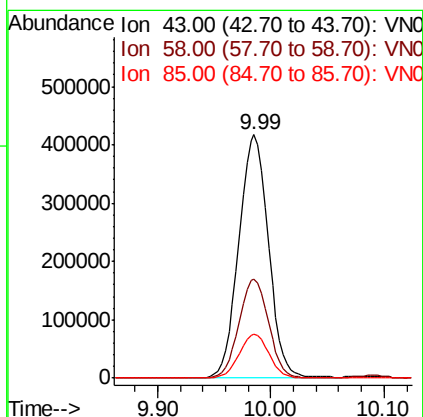
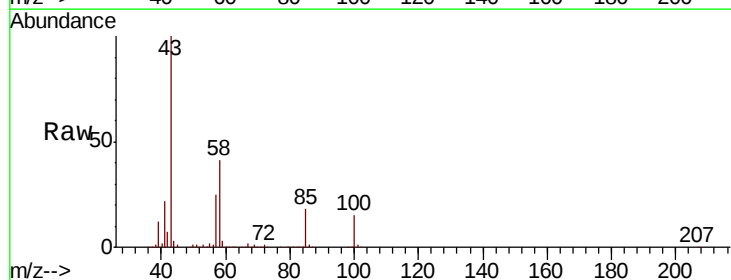
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

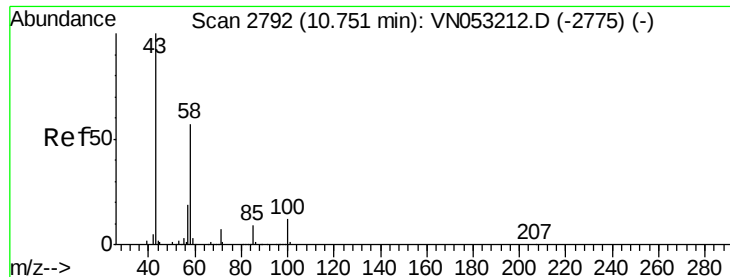
Tgt Ion: 117 Resp: 728452
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 31.8 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 109.744 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion: 43 Resp: 761778
Ion Ratio Lower Upper
43 100
58 40.8 31.6 47.4
85 18.1 13.3 19.9

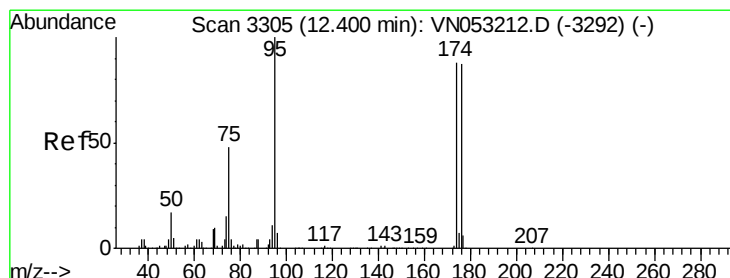
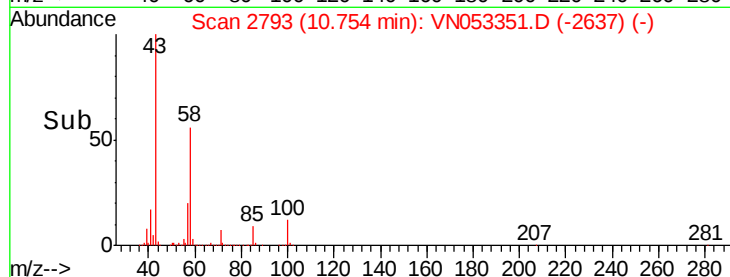
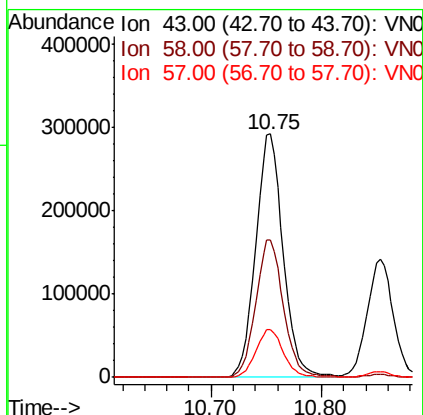
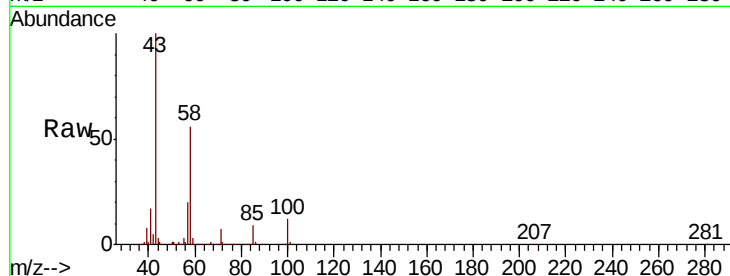




#59
2-Hexanone
Concen: 104.501 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

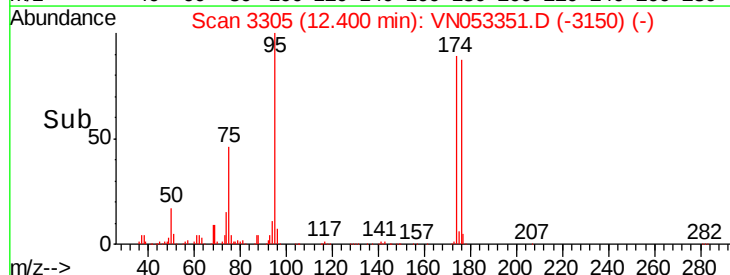
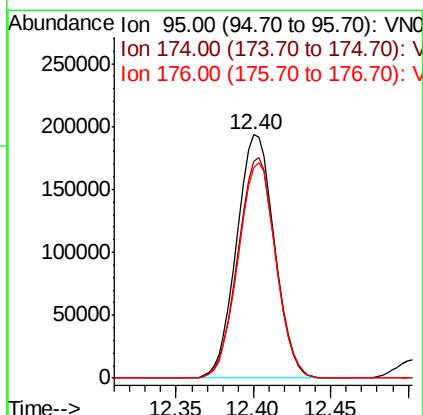
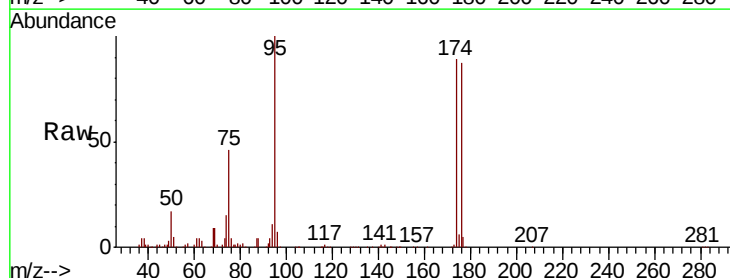
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

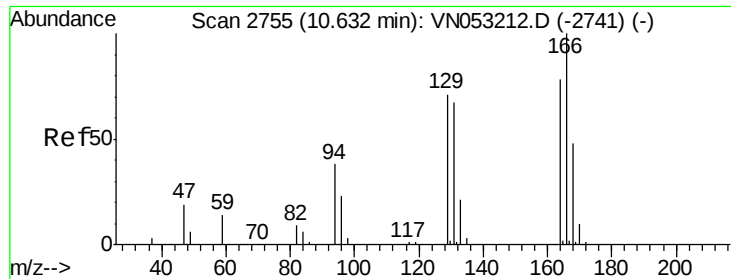
Tgt Ion: 43 Resp: 500779
Ion Ratio Lower Upper
43 100
58 57.2 43.2 64.8
57 19.8 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 104.501 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion: 95 Resp: 329084
Ion Ratio Lower Upper
95 100
174 90.9 67.9 101.9
176 88.3 66.4 99.6





#61

Tetrachloroethene

Concen: 19.745 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 212558

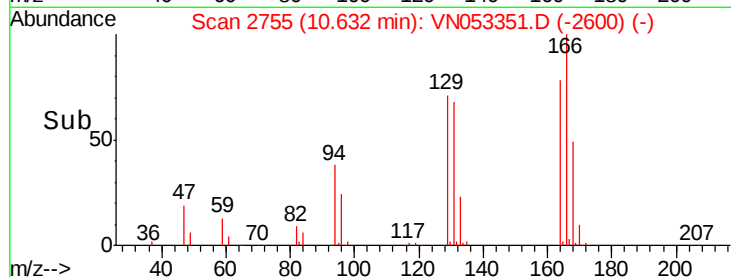
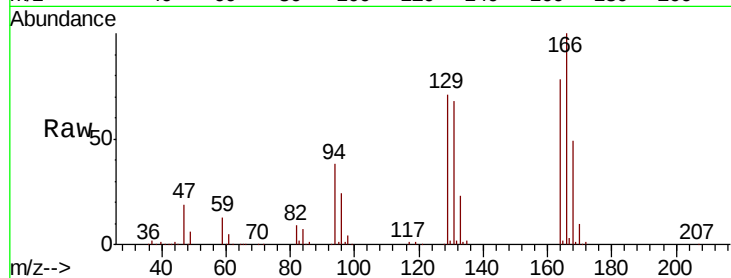
Ion Ratio Lower Upper

164 100

166 128.0 104.6 157.0

129 90.4 75.3 112.9

131 87.6 74.3 111.5

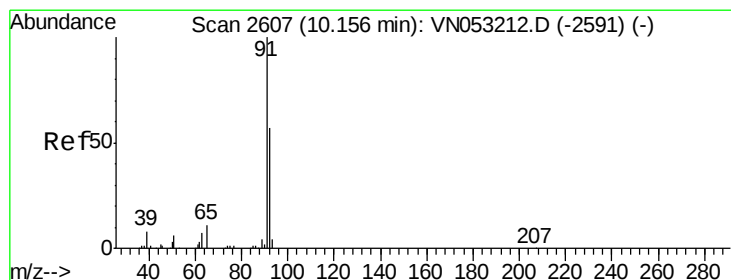
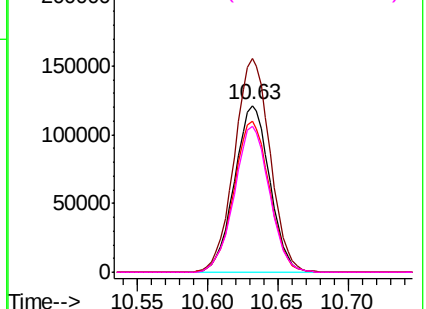


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.335 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053351.D

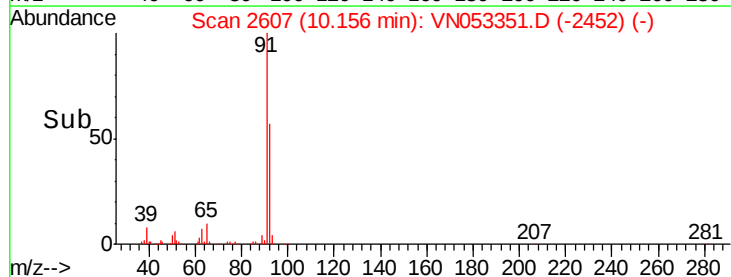
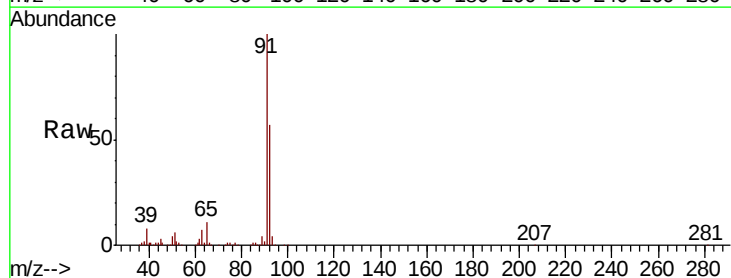
Acq: 10 Jan 2019 19:56

Tgt Ion: 91 Resp: 772448

Ion Ratio Lower Upper

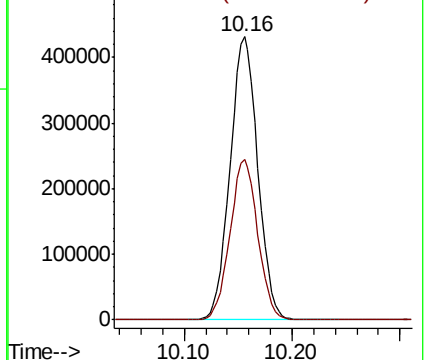
91 100

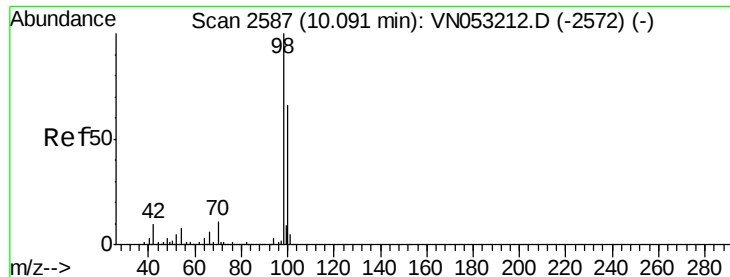
92 56.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.335 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

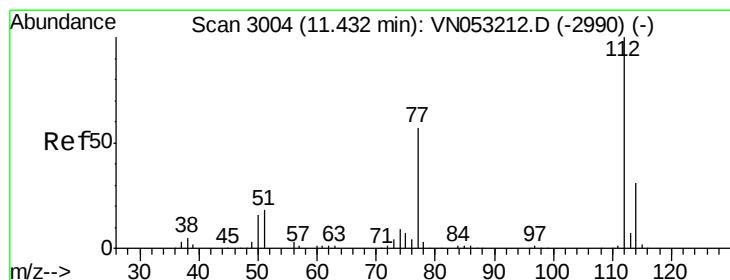
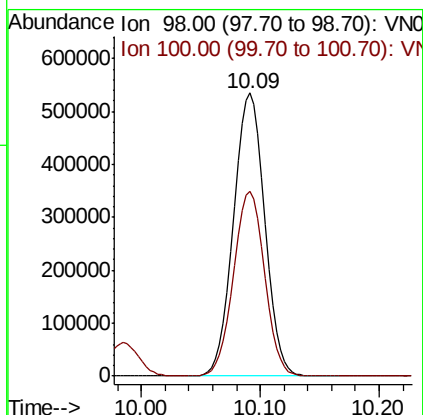
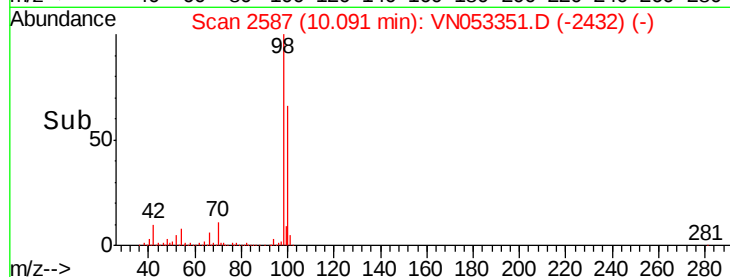
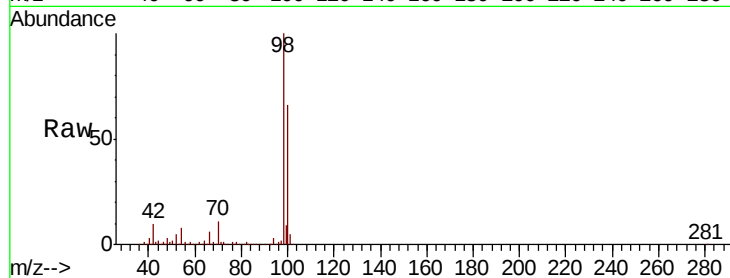
VSTDCCC020EC

Tgt Ion: 98 Resp: 974367

Ion Ratio Lower Upper

98 100

100 65.0 51.1 76.7



#64

Chlorobenzene

Concen: 19.312 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053351.D

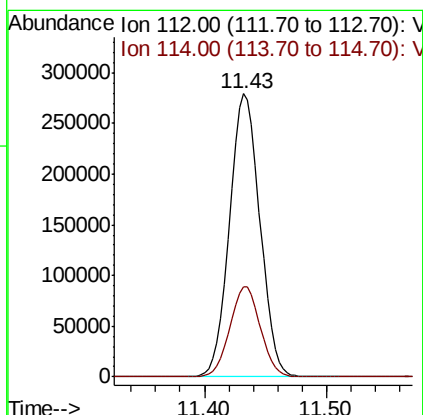
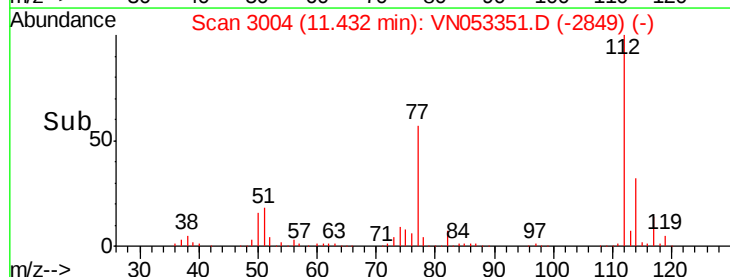
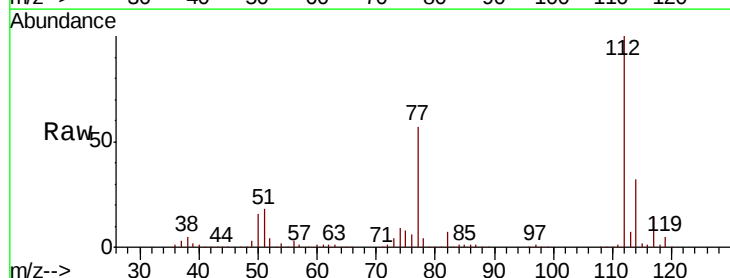
Acq: 10 Jan 2019 19:56

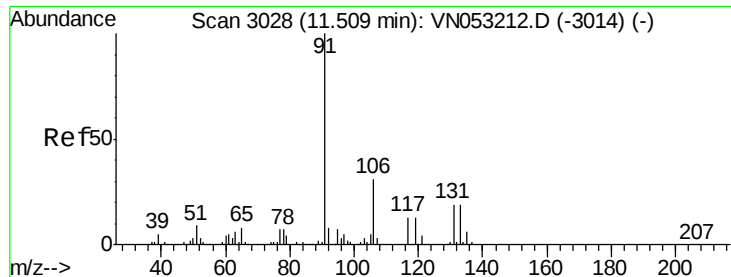
Tgt Ion: 112 Resp: 484148

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.346 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

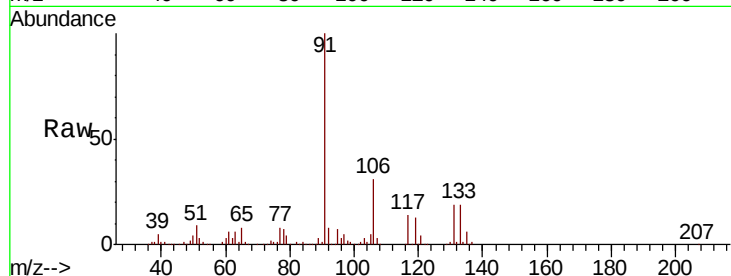
Tgt Ion:131 Resp: 170128

Ion Ratio Lower Upper

131 100

133 94.6 0.0 193.4

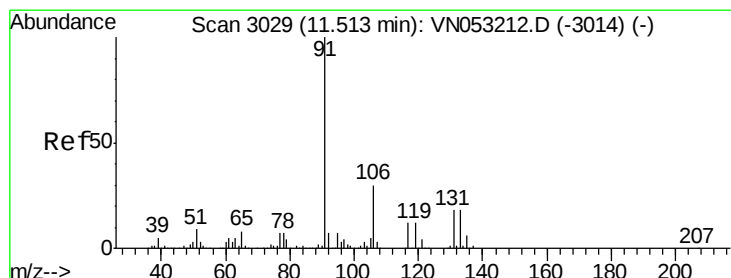
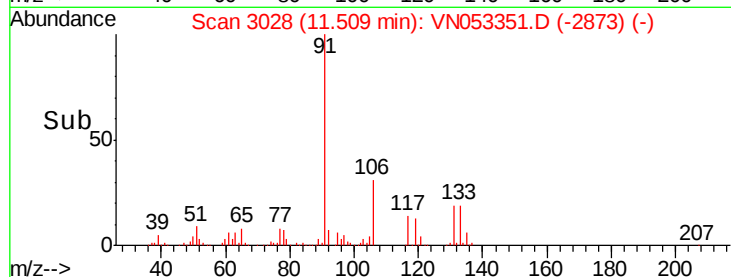
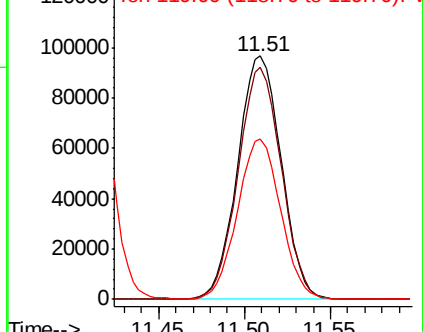
119 65.3 0.0 133.0



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: 19.032 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN053351.D

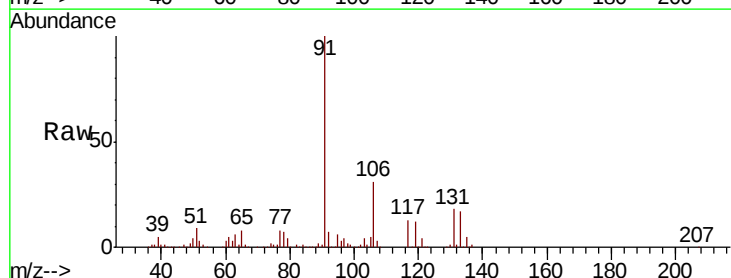
Acq: 10 Jan 2019 19:56

Tgt Ion: 91 Resp: 824517

Ion Ratio Lower Upper

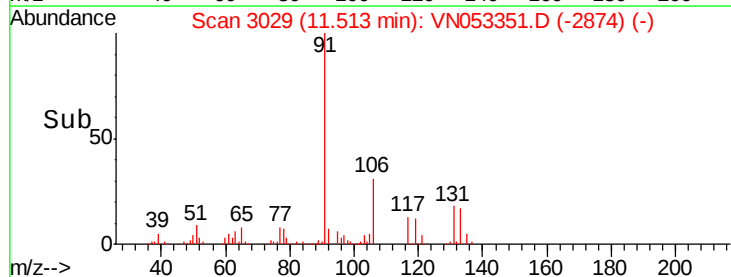
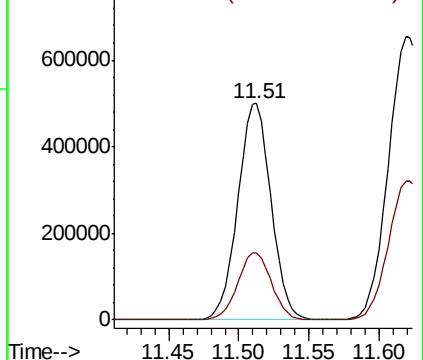
91 100

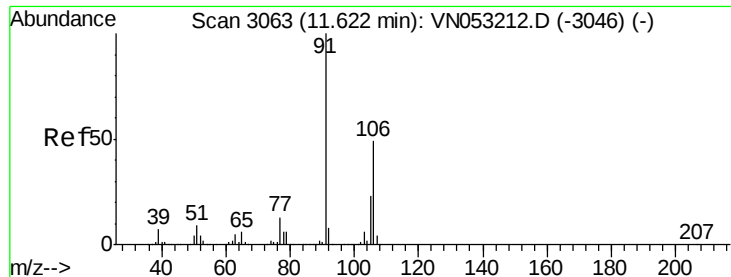
106 31.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.580 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

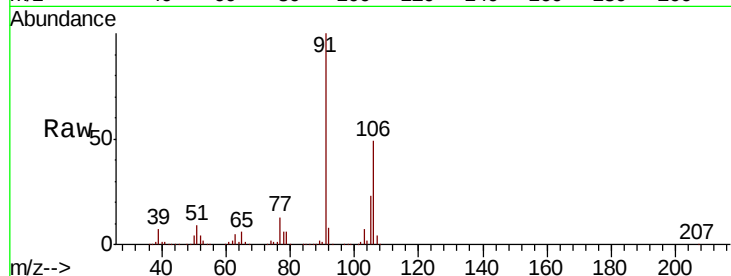
VSTDCCC020EC

Tgt Ion:106 Resp: 632136

Ion Ratio Lower Upper

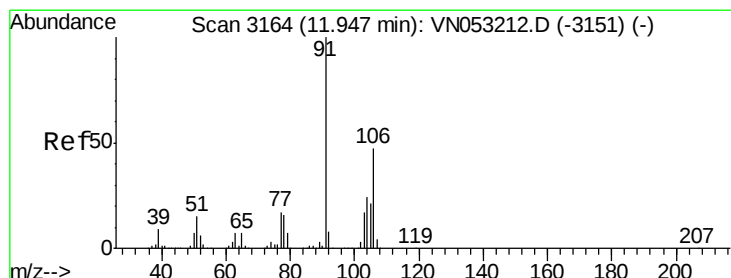
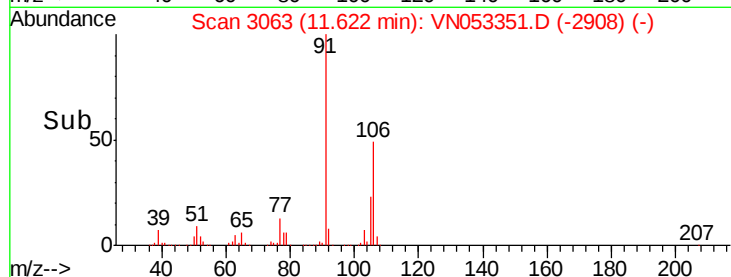
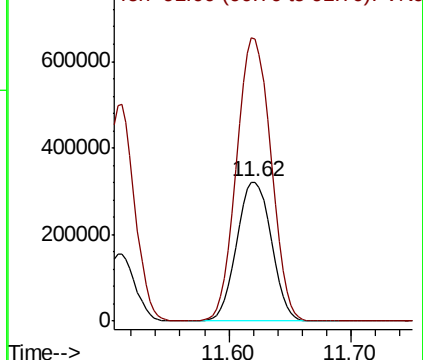
106 100

91 202.3 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.503 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053351.D

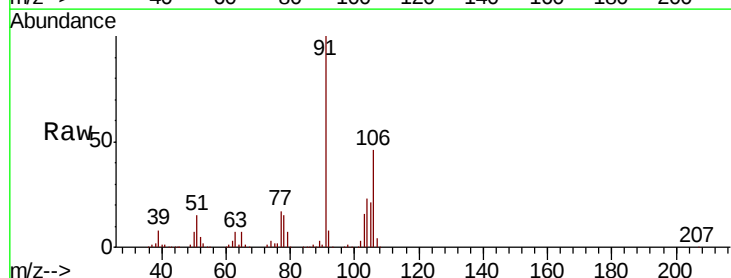
Acq: 10 Jan 2019 19:56

Tgt Ion:106 Resp: 309670

Ion Ratio Lower Upper

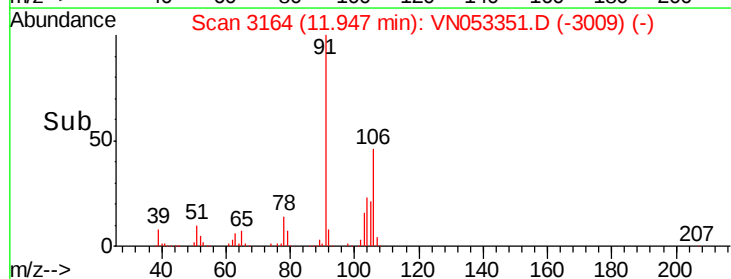
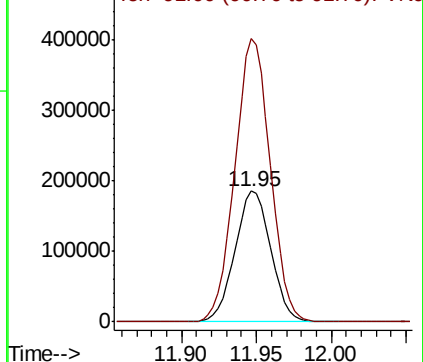
106 100

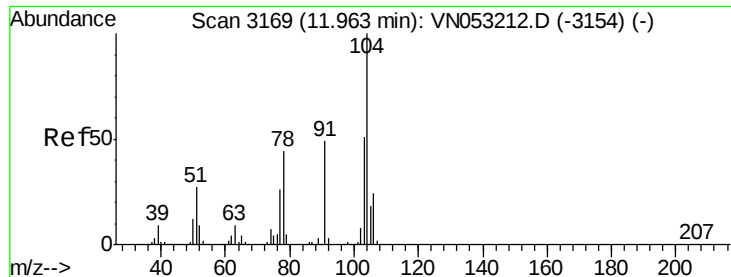
91 213.6 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

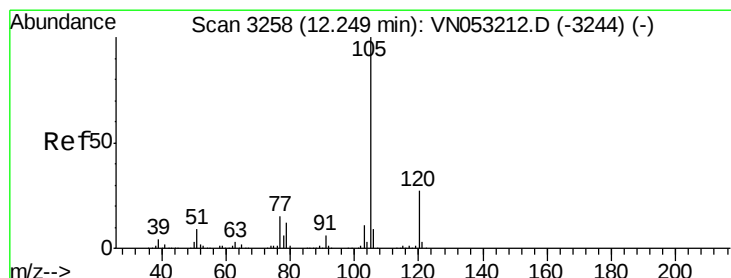
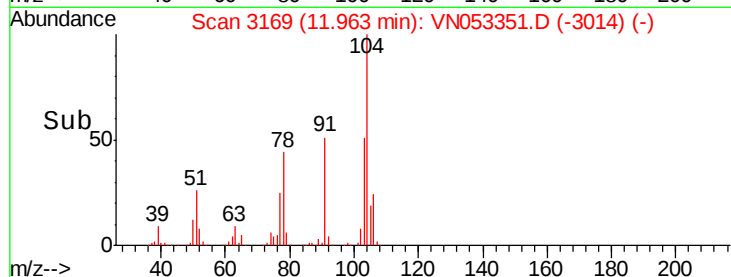
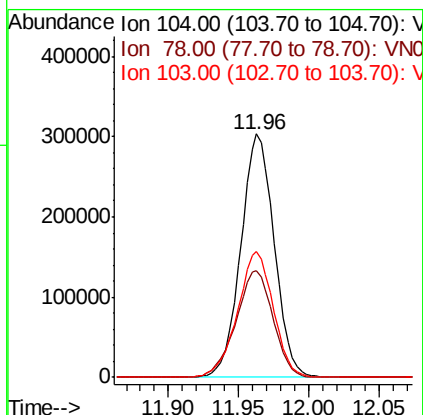
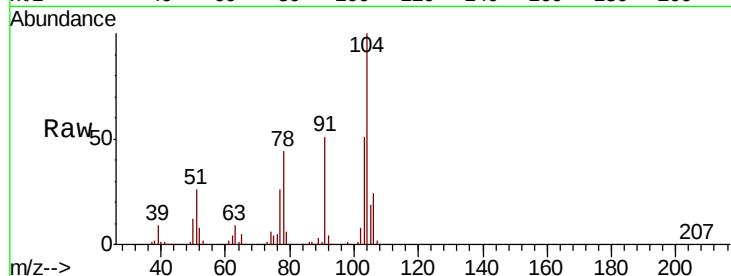




#69
Styrene
Concen: 19.408 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

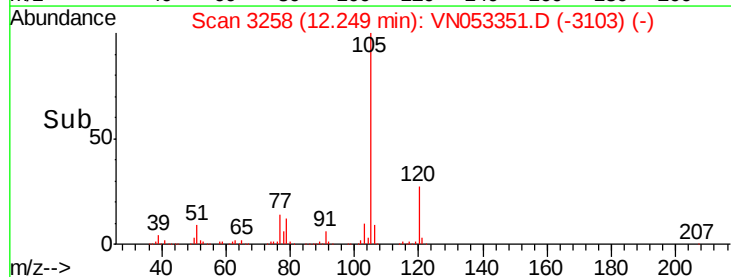
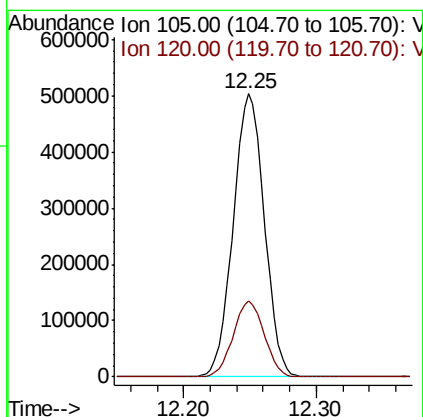
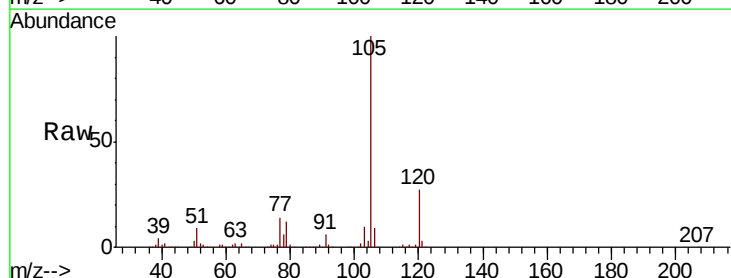
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

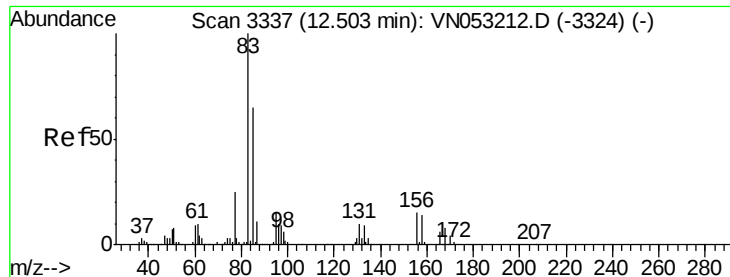
Tgt Ion:104 Resp: 502986
Ion Ratio Lower Upper
104 100
78 48.6 39.3 58.9
103 55.3 44.6 66.8



#70
Isopropylbenzene
Concen: 19.598 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion:105 Resp: 818700
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.6

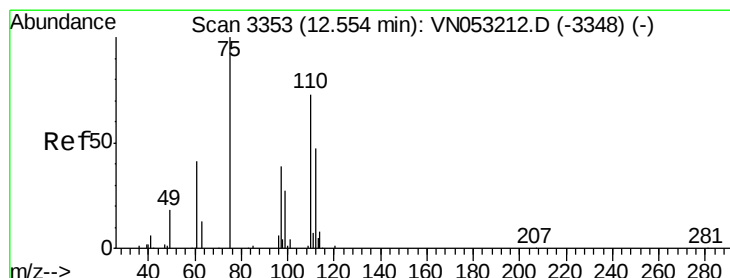
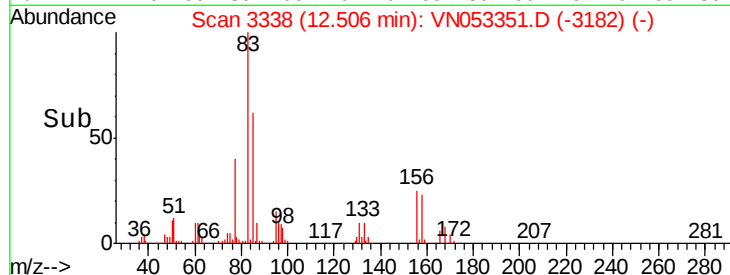
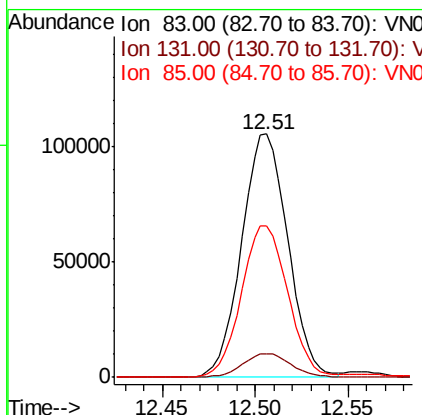
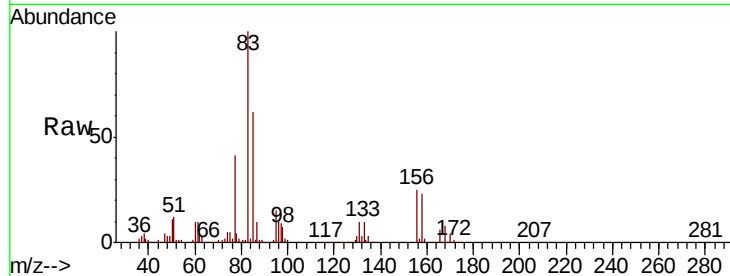




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.732 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

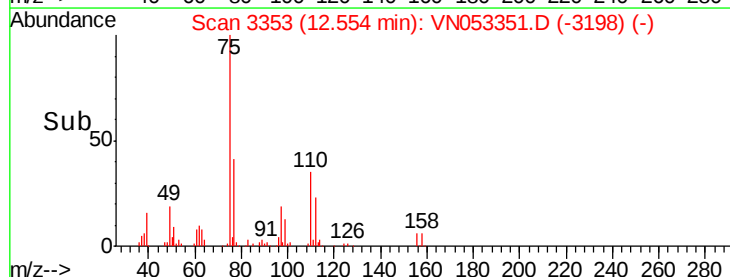
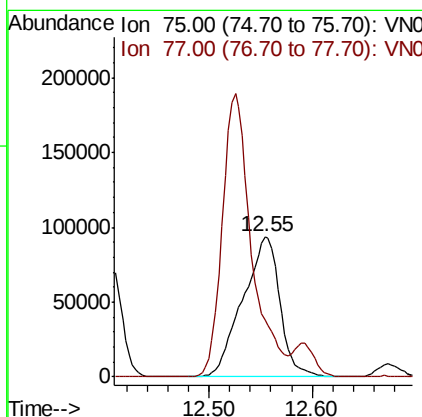
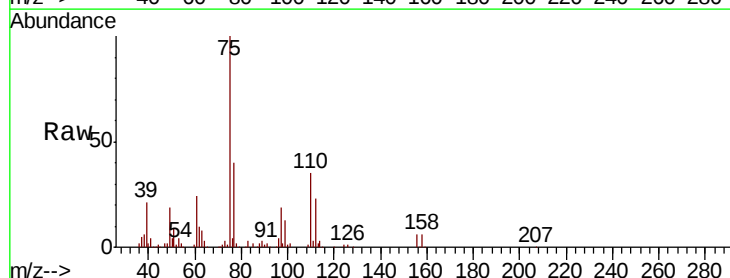
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

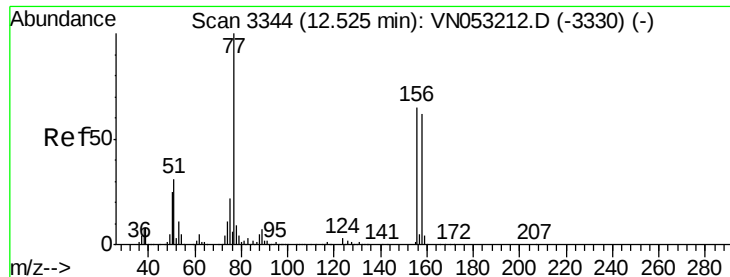
Tgt Ion: 83 Resp: 182319
 Ion Ratio Lower Upper
 83 100
 131 10.1 4.9 14.6
 85 62.4 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 30.497 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion: 75 Resp: 234855
 Ion Ratio Lower Upper
 75 100
 77 160.1 0.0 514.8





#73

Bromobenzene

Concen: 19.442 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

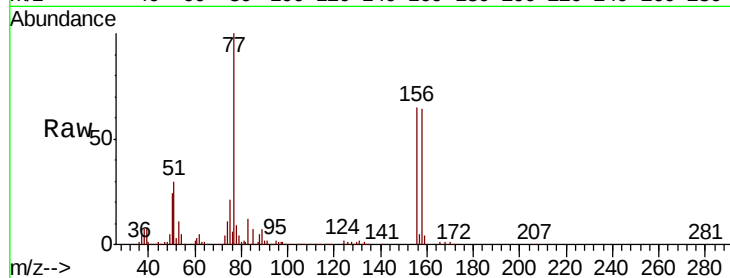
Tgt Ion:156 Resp: 208777

Ion Ratio Lower Upper

156 100

77 180.1 0.0 382.6

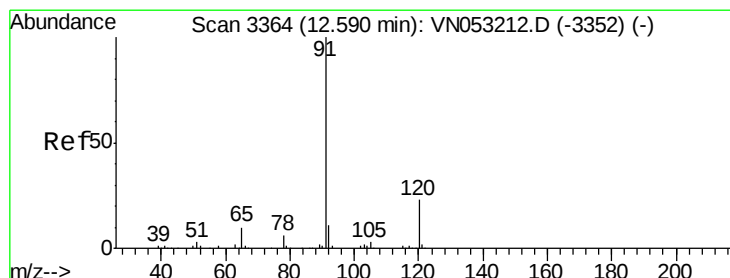
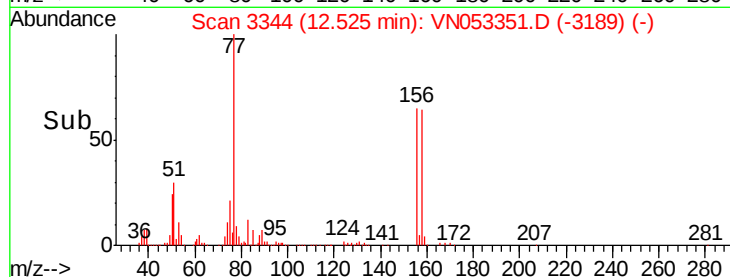
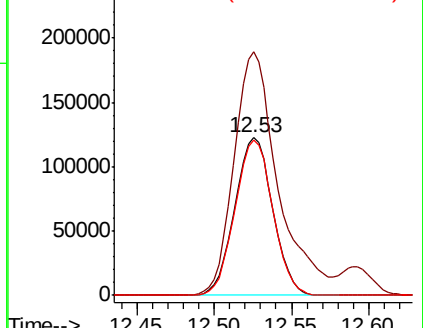
158 98.0 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.757 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053351.D

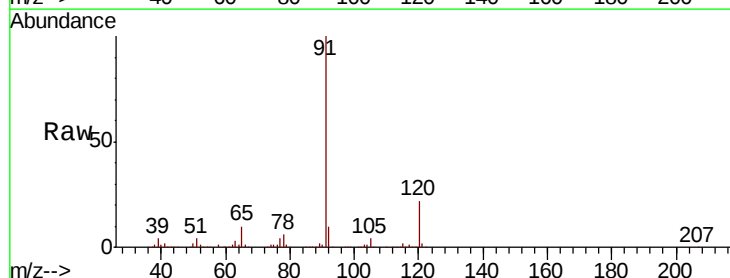
Acq: 10 Jan 2019 19:56

Tgt Ion: 91 Resp: 934301

Ion Ratio Lower Upper

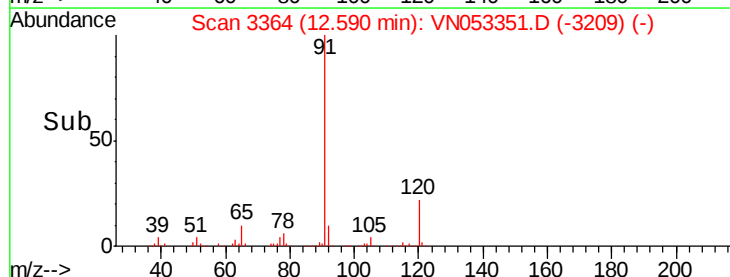
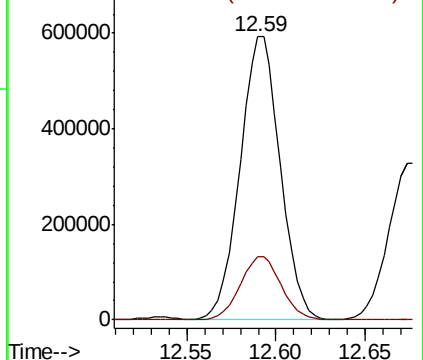
91 100

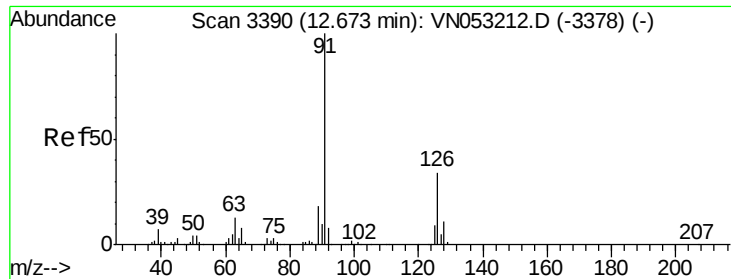
120 22.7 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.416 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

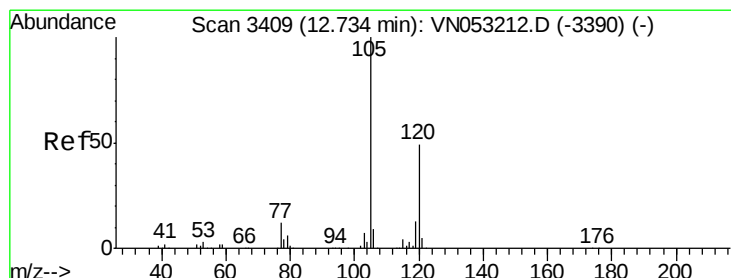
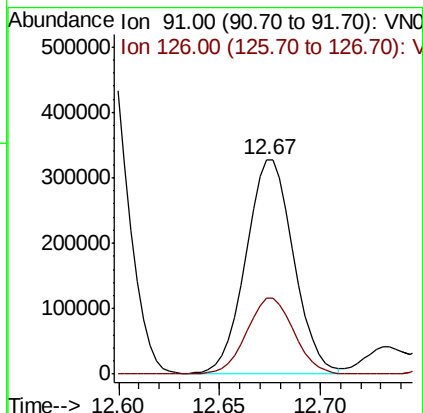
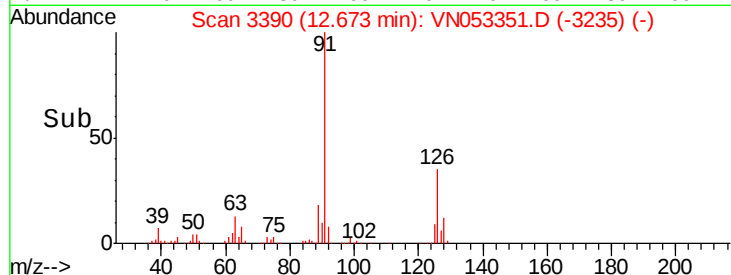
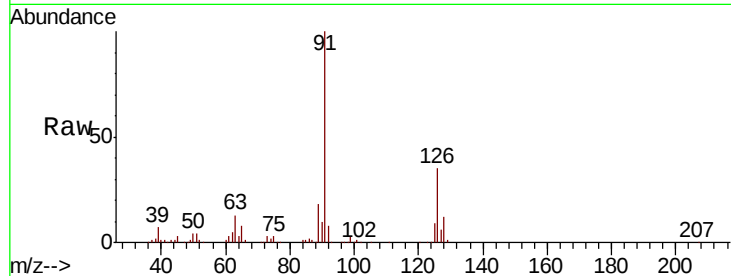
VSTDCCC020EC

Tgt Ion: 91 Resp: 543783

Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 19.989 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053351.D

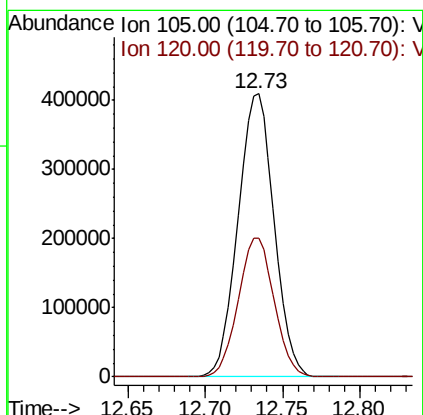
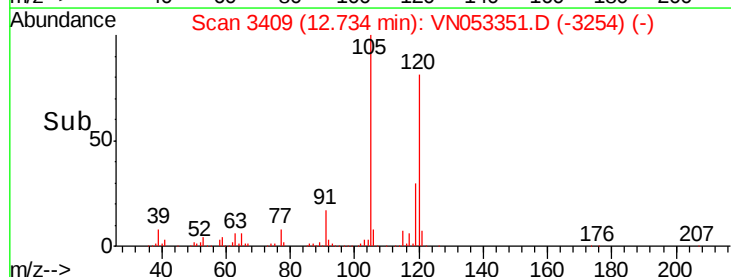
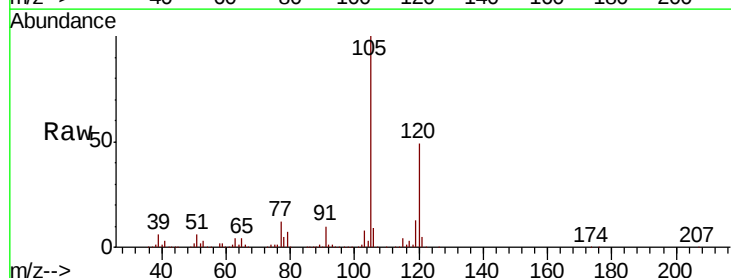
Acq: 10 Jan 2019 19:56

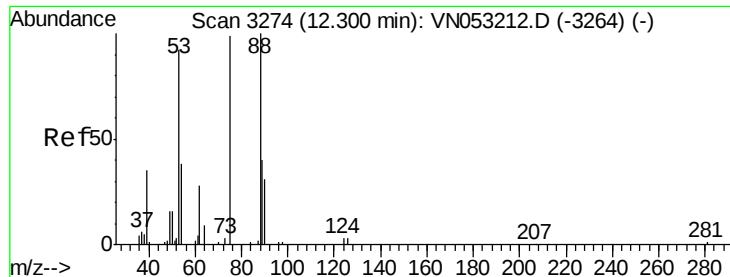
Tgt Ion: 105 Resp: 662401

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4



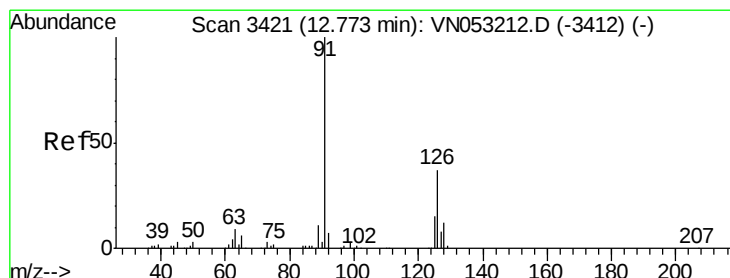
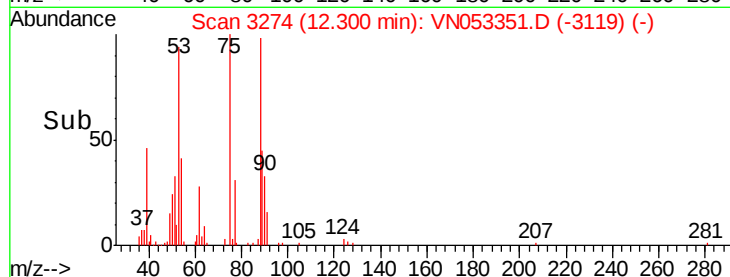
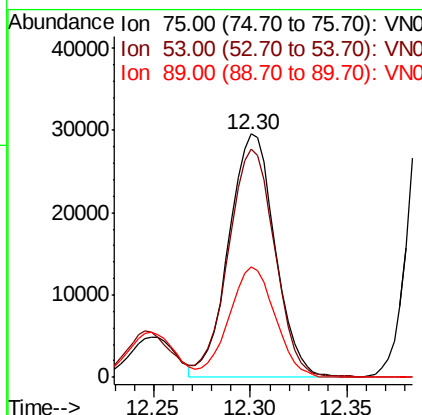
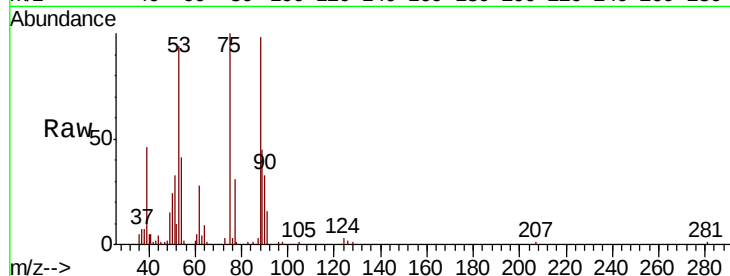


#77
t-1,4-Dichloro-2-butene
Concen: 18.221 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 75 Resp: 49304

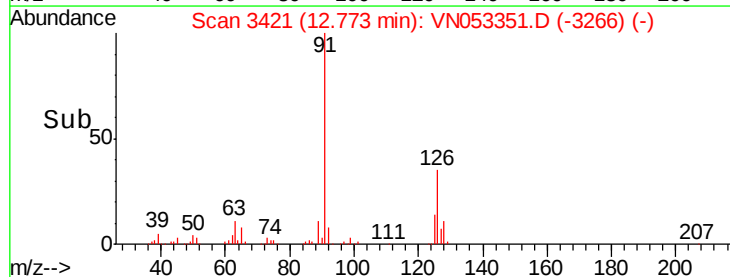
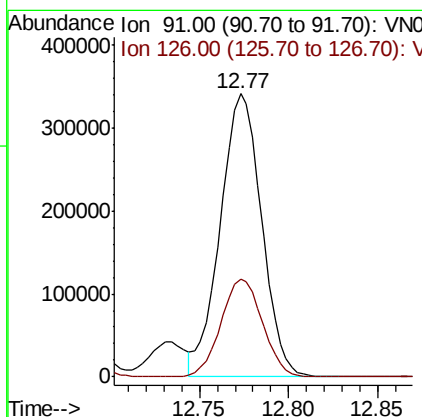
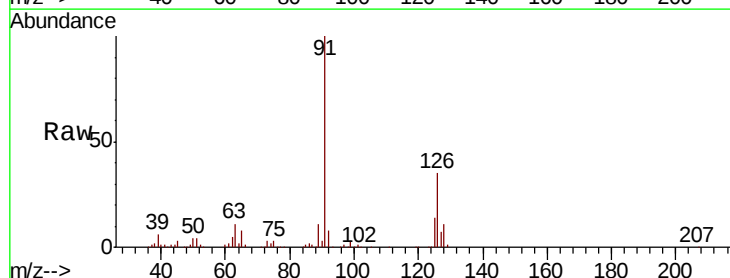
Ion	Ratio	Lower	Upper
75	100		
53	93.2	48.5	145.6
89	45.2	21.7	65.1

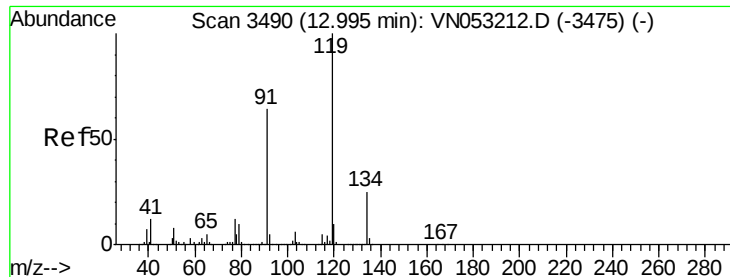


#78
4-Chlorotoluene
Concen: 19.224 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion: 91 Resp: 548052

Ion	Ratio	Lower	Upper
91	100		
126	34.8	0.0	68.2

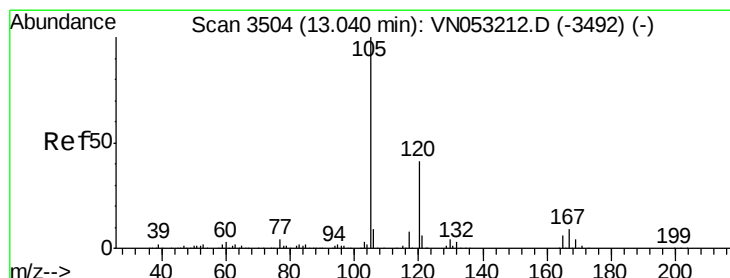
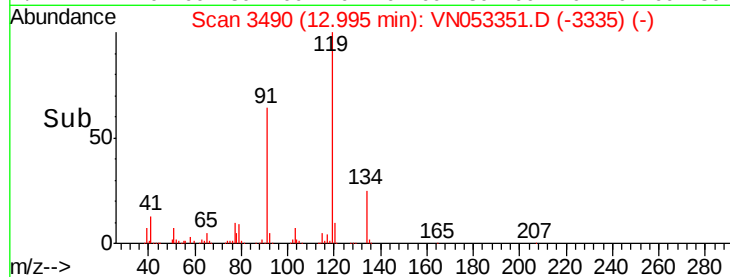
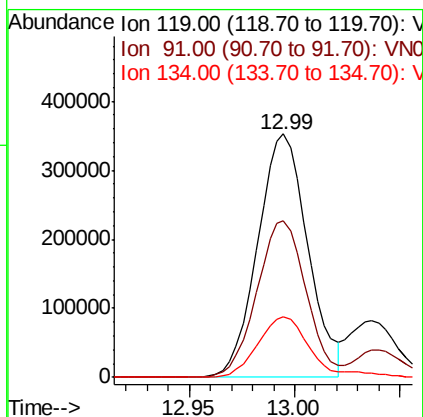
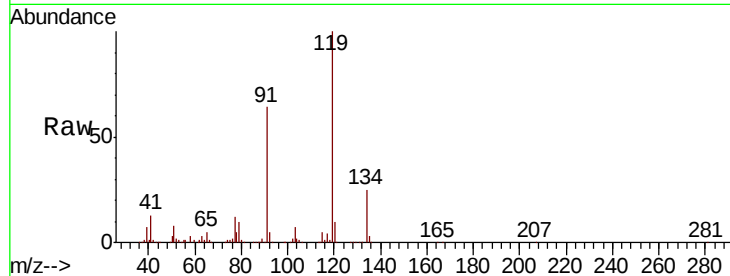




#79
tert-butylbenzene
Concen: 20.199 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

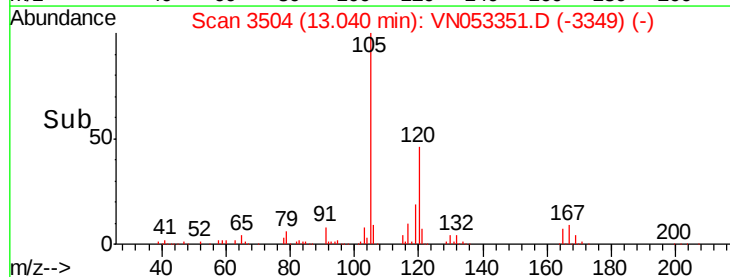
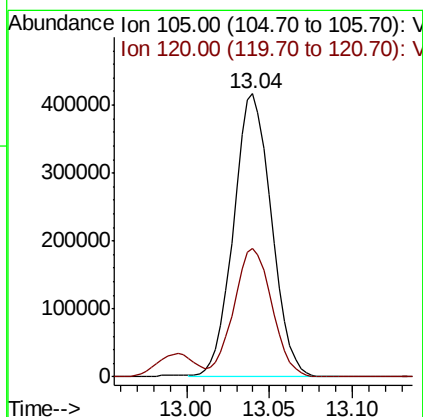
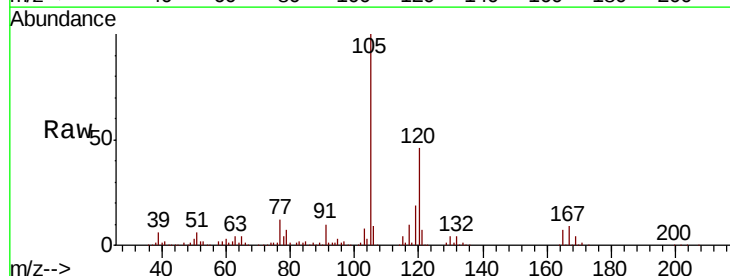
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

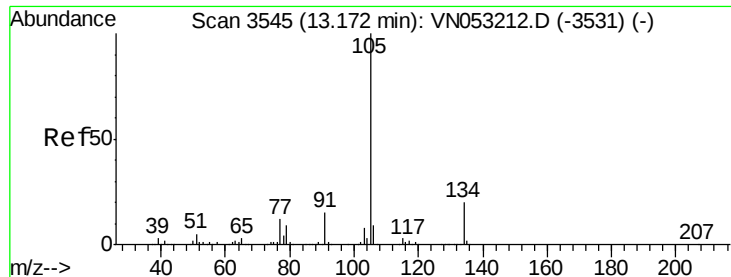
Tgt Ion:119 Resp: 583786
Ion Ratio Lower Upper
119 100
91 63.0 0.0 129.8
134 24.6 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 19.968 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion:105 Resp: 663221
Ion Ratio Lower Upper
105 100
120 45.7 0.0 91.0

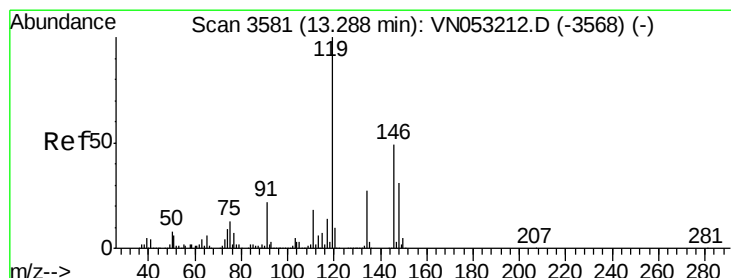
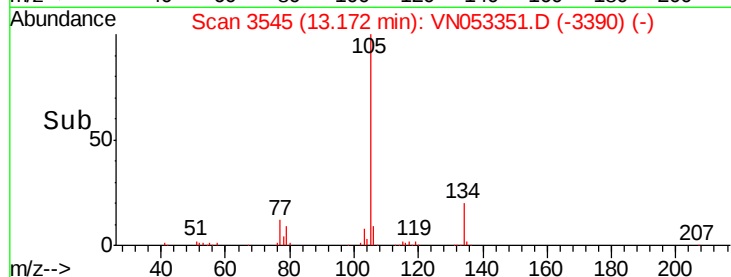
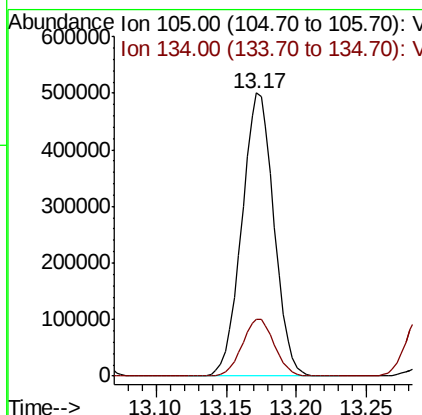
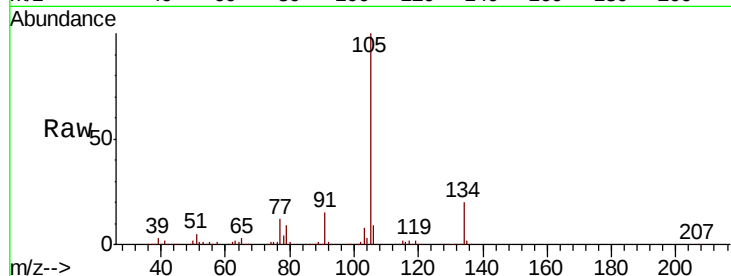




#81
 sec-Butylbenzene
 Concen: 20.803 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

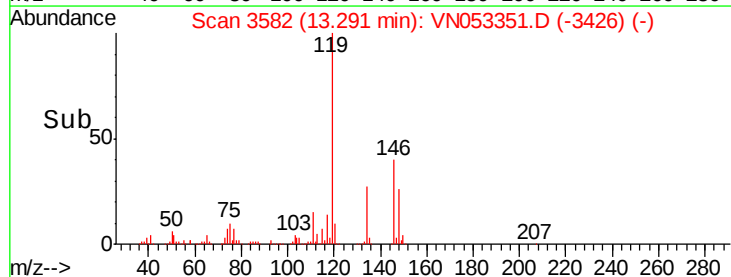
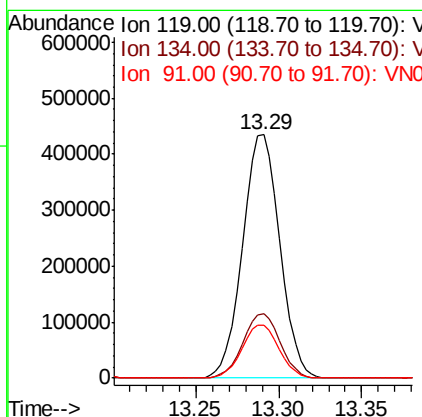
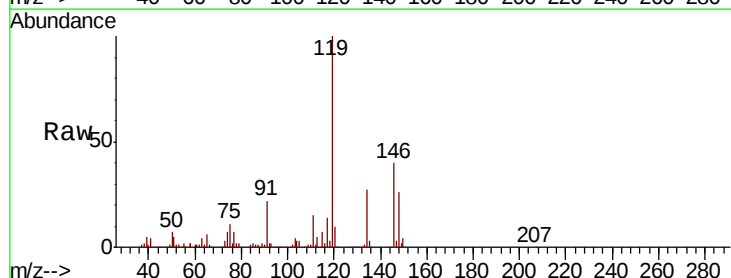
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

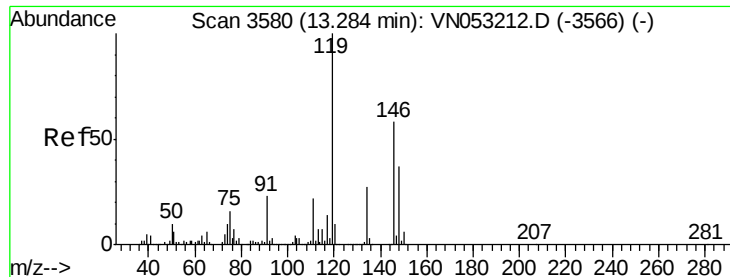
Tgt Ion:105 Resp: 796128
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 20.485 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion:119 Resp: 677446
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.6
 91 21.9 0.0 46.2

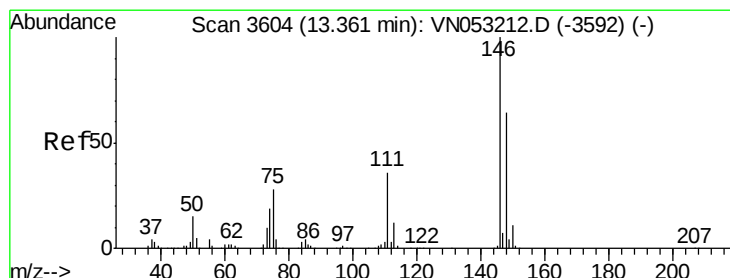
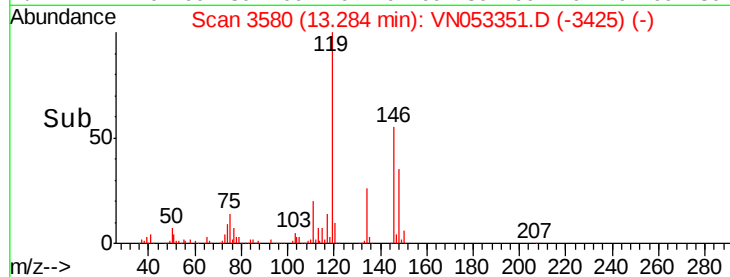
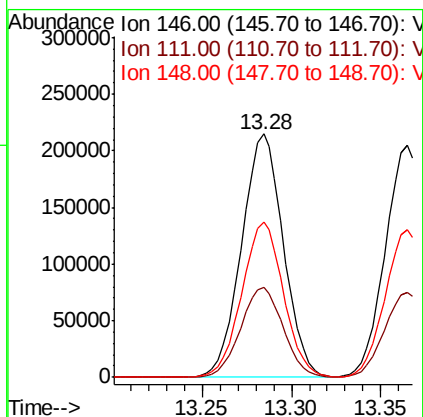
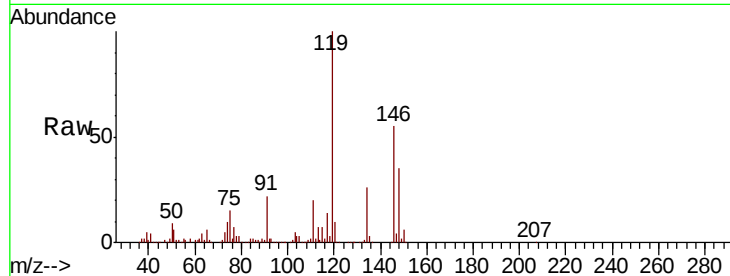




#83
 1,3-Dichlorobenzene
 Concen: 19.262 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

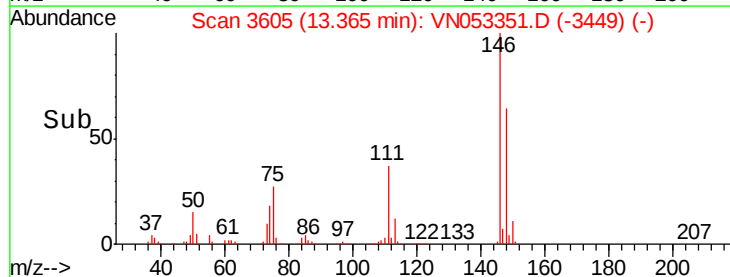
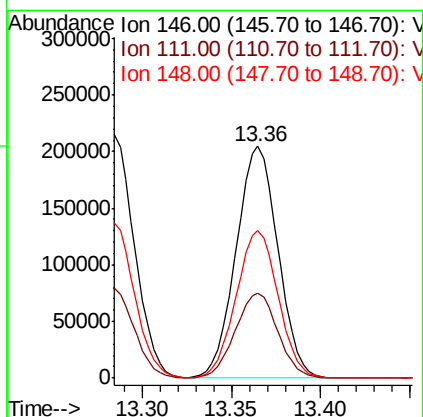
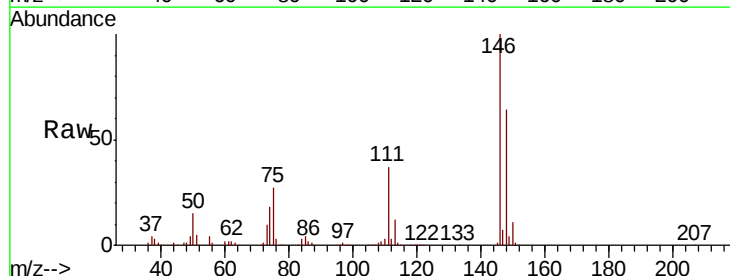
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

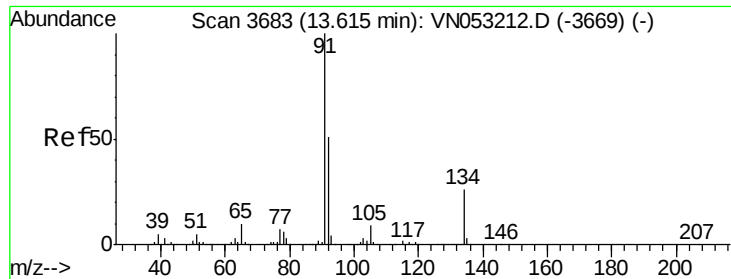
Tgt Ion:146 Resp: 352181
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.7 59.0
 148 63.5 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 18.846 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion:146 Resp: 335896
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.8 56.3
 148 64.1 32.5 97.4





#85

n-Butylbenzene

Concen: 19.893 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053351.D

Acq: 10 Jan 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

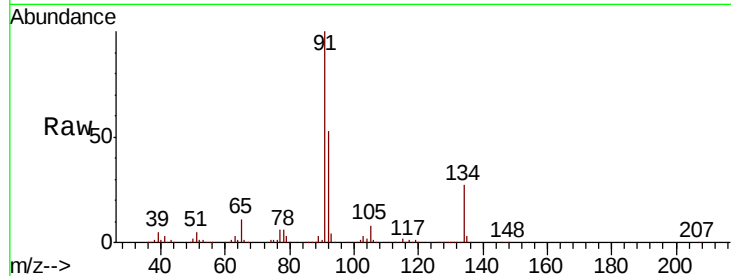
Tgt Ion: 91 Resp: 534987

Ion Ratio Lower Upper

91 100

92 52.7 0.0 104.2

134 26.7 0.0 50.6

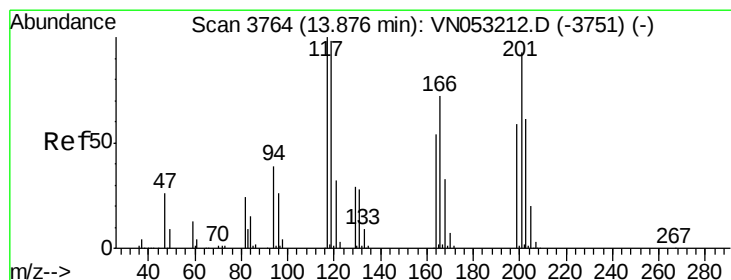
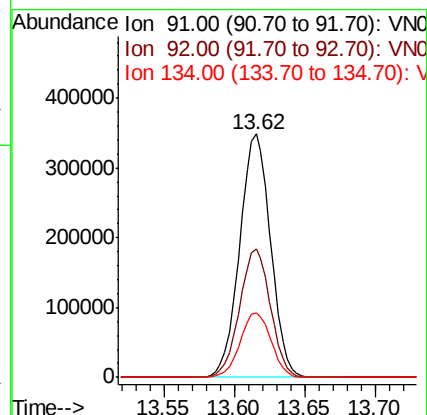
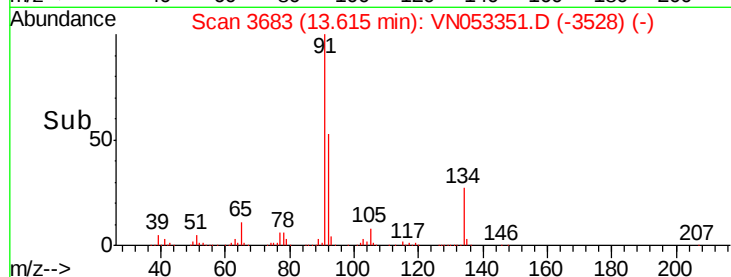


Abundance Ion 91.00 (90.70 to 91.70): VN053212.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN053212.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN053212.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 17.793 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053351.D

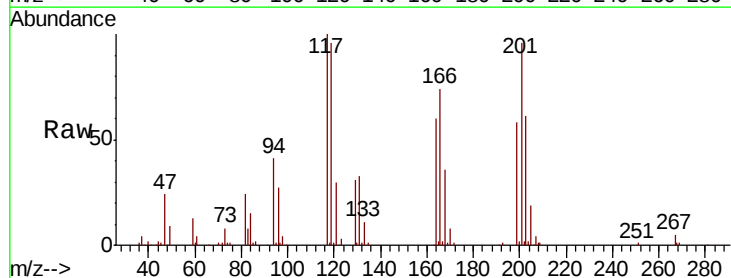
Acq: 10 Jan 2019 19:56

Tgt Ion: 117 Resp: 93946

Ion Ratio Lower Upper

117 100

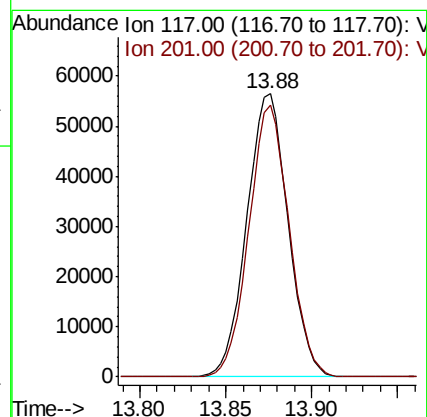
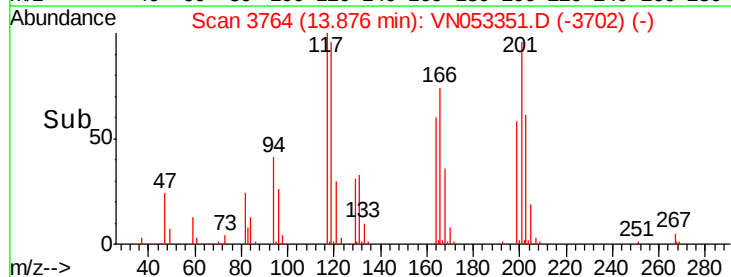
201 93.6 43.8 131.3

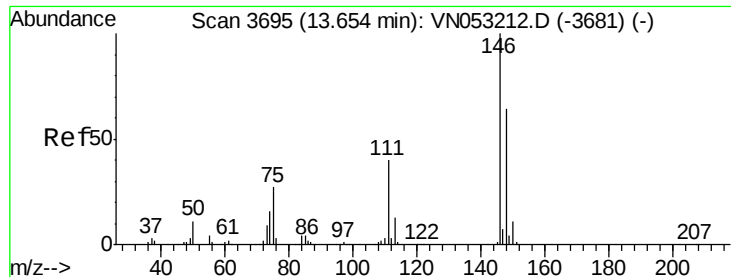


Abundance Ion 117.00 (116.70 to 117.70): VN053212.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN053212.D (-3751) (-)

Time-->

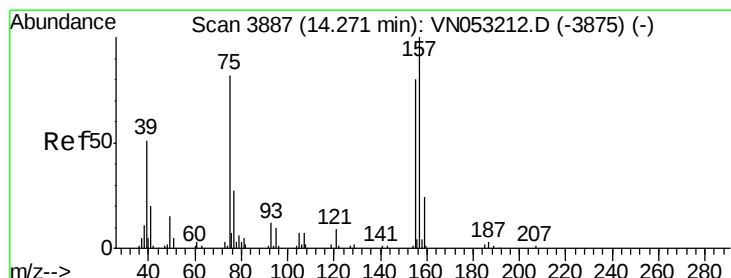
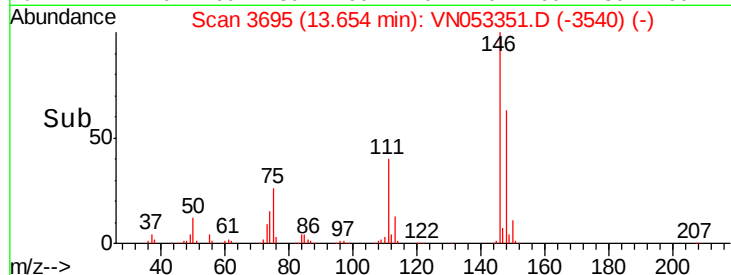
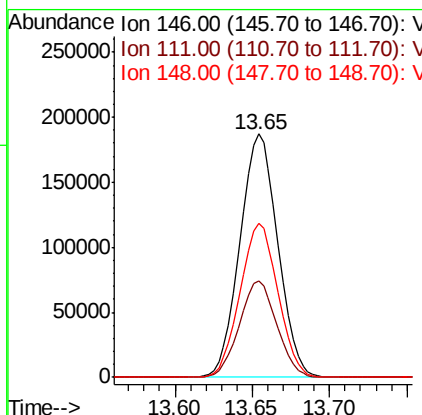
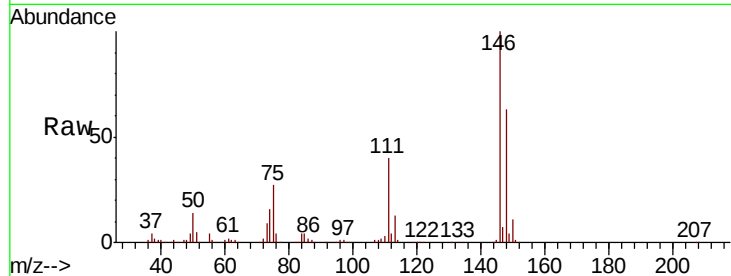




#87
 1,2-Dichlorobenzene
 Concen: 18.771 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

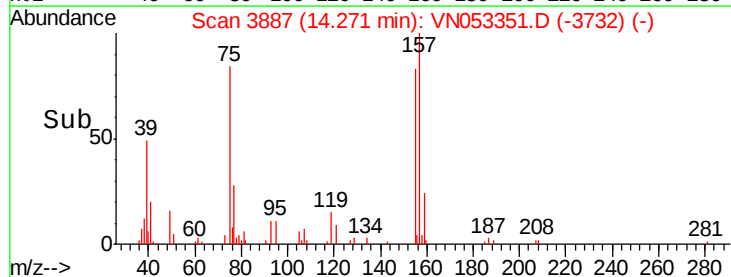
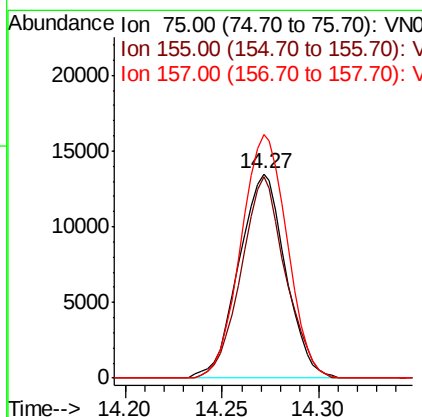
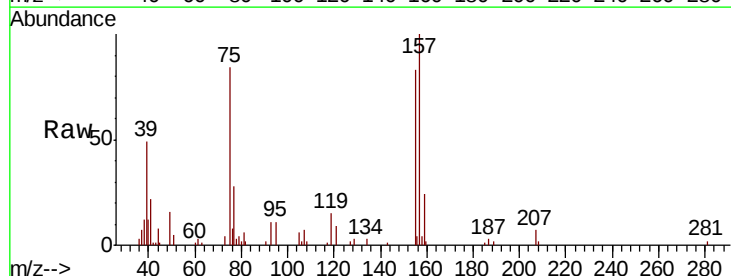
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

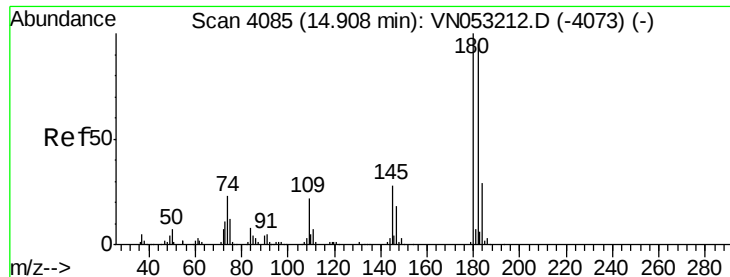
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.3	60.8
148	63.2	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.966 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	72.2	108.2
157	118.4	94.2	141.2

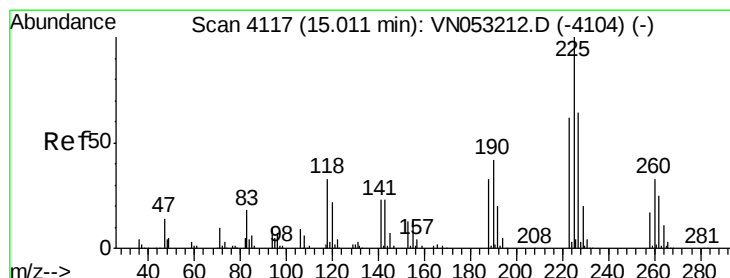
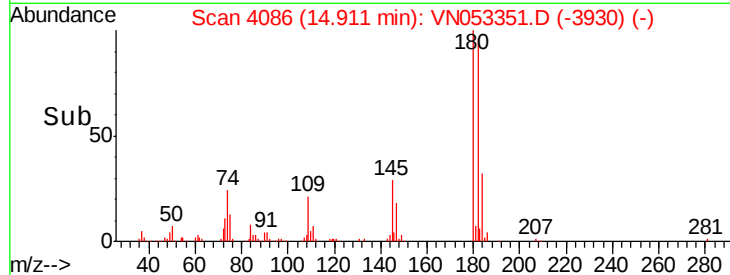
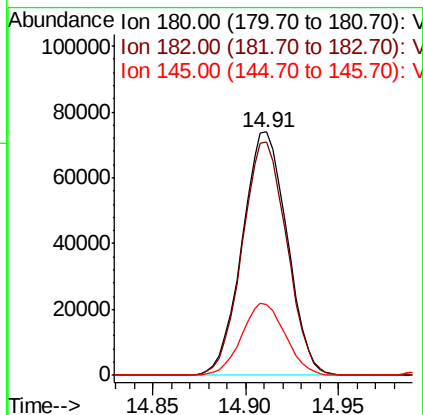
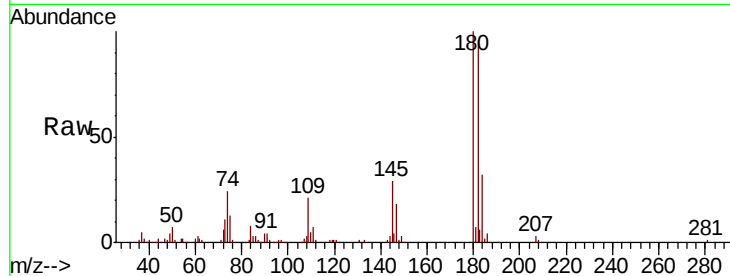




#89
 1,2,4-Trichlorobenzene
 Concen: 15.075 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

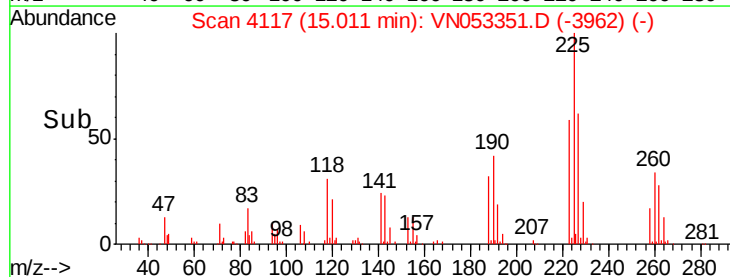
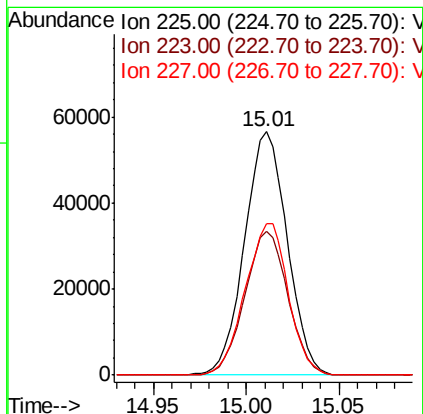
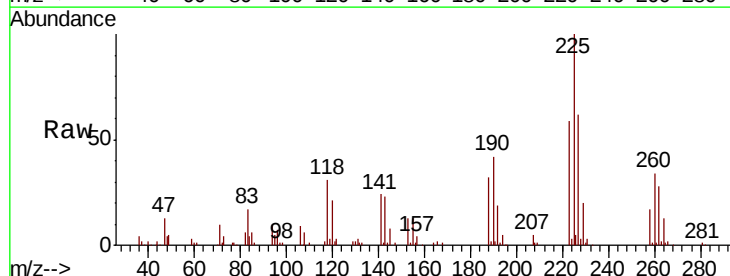
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

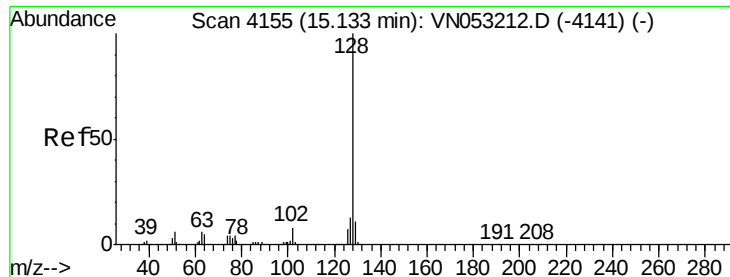
Tgt Ion:180 Resp: 124309
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 114.8
 145 28.8 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 18.190 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053351.D
 Acq: 10 Jan 2019 19:56

Tgt Ion:225 Resp: 90791
 Ion Ratio Lower Upper
 225 100
 223 59.8 0.0 125.6
 227 62.8 0.0 127.8

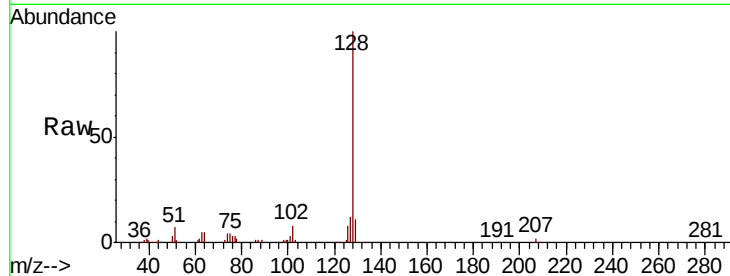




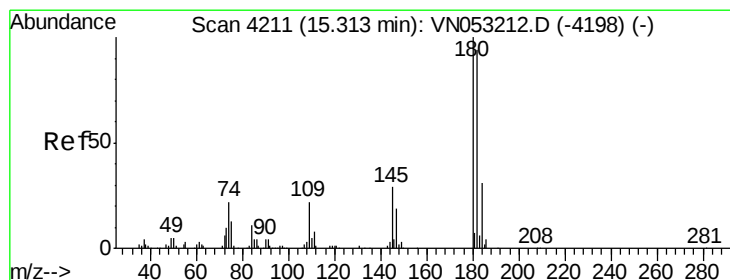
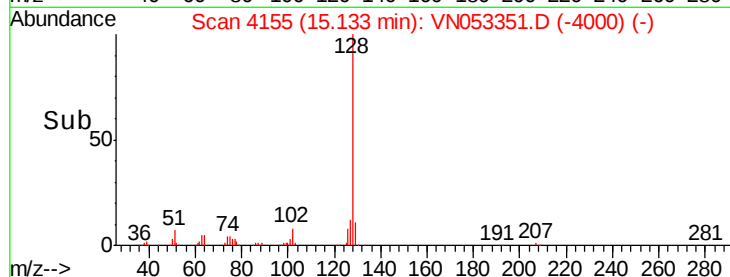
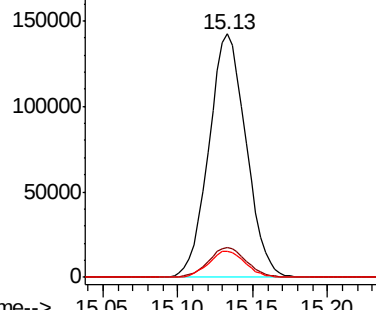
#91
Naphthalene
Concen: 14.071 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 246178
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 10.7 8.5 12.7

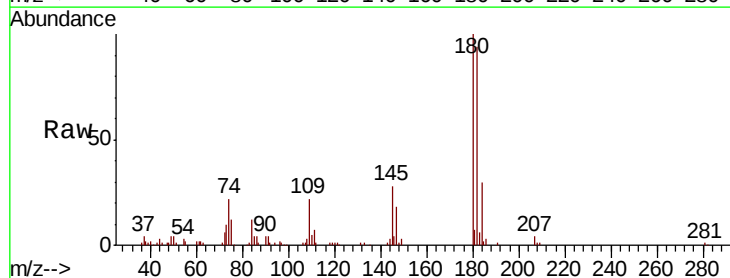


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 13.117 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053351.D
Acq: 10 Jan 2019 19:56

Tgt Ion:180 Resp: 96499
Ion Ratio Lower Upper
180 100
182 95.8 0.0 196.2
145 29.8 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

