

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112719\
 Data File : VN059423.D
 Acq On : 27 Nov 2019 14:28
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 27 16:32:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:27:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	342178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	537976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	234315	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	619471	154.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.10%	
35) Dibromofluoromethane	7.57	113	515002	157.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.32%	
50) Toluene-d8	10.08	98	2028701	155.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.74%	
62) 4-Bromofluorobenzene	12.40	95	738410	162.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	324.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	660893	164.100	ug/l	99
3) Chloromethane	2.04	50	779791	158.513	ug/l	100
4) Vinyl Chloride	2.17	62	764625	161.745	ug/l	99
5) Bromomethane	2.53	94	449816	158.036	ug/l	98
6) Chloroethane	2.67	64	422005	159.214	ug/l	99
7) Trichlorofluoromethane	2.99	101	895793	159.088	ug/l	96
8) Diethyl Ether	3.39	74	372524	162.558	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	547284	157.812	ug/l	99
10) Methyl Iodide	3.93	142	766431	169.795	ug/l	99
11) Tert butyl alcohol	4.76	59	566268	815.512	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	555425	163.541	ug/l	99
13) Acrolein	3.58	56	594005	876.340	ug/l	97
14) Allyl chloride	4.29	41	1027236	163.083	ug/l	100
15) Acrylonitrile	4.95	53	1655530	855.627	ug/l	100
16) Acetone	3.79	43	1490864	780.748	ug/l	100
17) Carbon Disulfide	4.03	76	1780589	152.779	ug/l	100
18) Methyl Acetate	4.29	43	817154	157.144	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1836049	167.765	ug/l	98
20) Methylene Chloride	4.53	84	606639	156.348	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	593013	160.263	ug/l	98
22) Diisopropyl ether	5.92	45	1950273	166.615	ug/l	99
23) Vinyl Acetate	5.87	43	7584590	803.169	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	1092757	162.256	ug/l	99
25) 2-Butanone	6.81	43	2239237	852.416	ug/l	99
26) 2,2-Dichloropropane	6.80	77	914710	159.596	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	662286	163.653	ug/l	99
28) Bromochloromethane	7.17	49	439502	188.867	ug/l	100
29) Tetrahydrofuran	7.19	42	1479577	846.869	ug/l	100
30) Chloroform	7.35	83	1037546	153.094	ug/l	100
31) Cyclohexane	7.63	56	1057082	156.571	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	905318	163.351	ug/l	99
36) 1,1-Dichloropropene	7.77	75	849619	164.228	ug/l	100
37) Ethyl Acetate	6.90	43	903791	165.120	ug/l	99
38) Carbon Tetrachloride	7.75	117	816987	167.334	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1062484	171.666	ug/l	99
40) Benzene	8.02	78	2473410	161.021	ug/l	99
41) Methacrylonitrile	7.18	41	1265985	489.869	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	800553	164.360	ug/l	100
43) Isopropyl Acetate	8.15	43	1451371	174.543	ug/l	100
44) Trichloroethene	8.82	130	633317	161.697	ug/l	100
45) 1,2-Dichloropropane	9.11	63	660141	164.301	ug/l	99
46) Dibromomethane	9.20	93	412025	166.175	ug/l	99
47) Bromodichloromethane	9.39	83	834208	166.347	ug/l	99
48) Methyl methacrylate	9.19	41	657385	178.195	ug/l	99
49) 1,4-Dioxane	9.19	88	181619	3370.846	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3854183	799.100	ug/l	93
52) Toluene	10.15	92	1524894	166.166	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	998150	173.217	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1081460	173.853	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	587752	163.631	ug/l	99
56) Ethyl methacrylate	10.42	69	988883	188.741	ug/l	99
57) 1,3-Dichloropropane	10.70	76	1032117	166.252	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2011168	1306.777	ug/l	99
59) 2-Hexanone	10.75	43	2985443	834.748	ug/l	96
60) Dibromochloromethane	10.90	129	664554	177.242	ug/l	100
61) 1,2-Dibromoethane	11.00	107	628671	170.801	ug/l	100
64) Tetrachloroethene	10.63	164	557287	154.179	ug/l	99
65) Chlorobenzene	11.43	112	1588493	160.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	590753	164.663	ug/l	100
67) Ethyl Benzene	11.51	91	2780155	159.990	ug/l	95
68) m/p-Xylenes	11.62	106	2170788	334.591	ug/l	89
69) o-Xylene	11.95	106	1041999	167.467	ug/l	97
70) Styrene	11.96	104	1752167	179.628	ug/l	100
71) Bromoform	12.13	173	491260	179.830	ug/l #	100
73) Isopropylbenzene	12.25	105	2668633	153.737	ug/l	97
74) N-amyl acetate	12.07	43	1191468	182.522	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	866058	152.994	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1194773	220.733	ug/l #	100
77) Bromobenzene	12.53	156	673187	158.404	ug/l	99
78) n-propylbenzene	12.59	91	3089652	154.458	ug/l	97
79) 2-Chlorotoluene	12.68	91	1878590	157.083	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2290746	156.994	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	348071	168.720	ug/l	98
82) 4-Chlorotoluene	12.78	91	1941354	157.618	ug/l	99
83) tert-Butylbenzene	12.99	119	1974552	157.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2286768	159.984	ug/l	99
85) sec-Butylbenzene	13.17	105	2634195	158.322	ug/l	98
86) p-Isopropyltoluene	13.29	119	2398271	159.443	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1205835	160.103	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1198314	158.476	ug/l	99
89) n-Butylbenzene	13.62	91	2198317	167.190	ug/l	97
90) Hexachloroethane	13.88	117	455365	158.390	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1139645	154.425	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	190619	148.280	ug/l	99

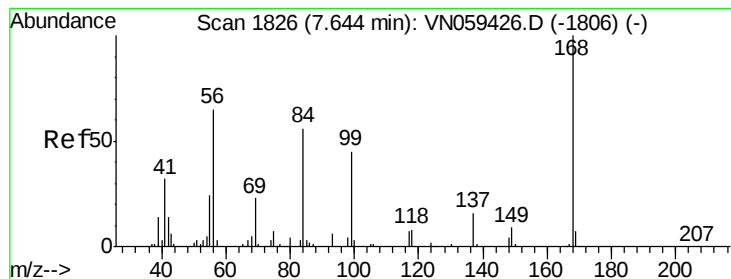
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112719\
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QLast Update : Wed Nov 27 16:27:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	795967	173.511	ug/l	99
94) Hexachlorobutadiene	15.01	225	404476	143.873	ug/l	99
95) Naphthalene	15.13	128	2212246	170.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	789764	161.624	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

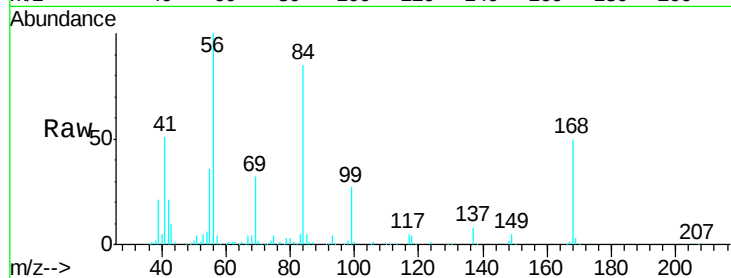
VSTDIC150

Tgt Ion:168 Resp: 342178

Ion Ratio Lower Upper

168 100

99 53.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

50000

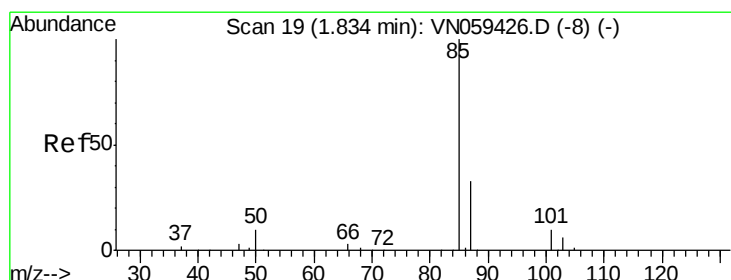
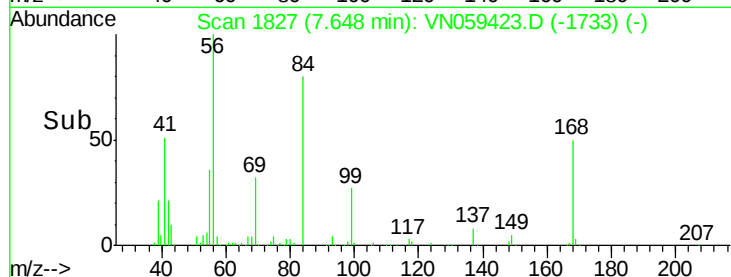
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 164.100 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059423.D

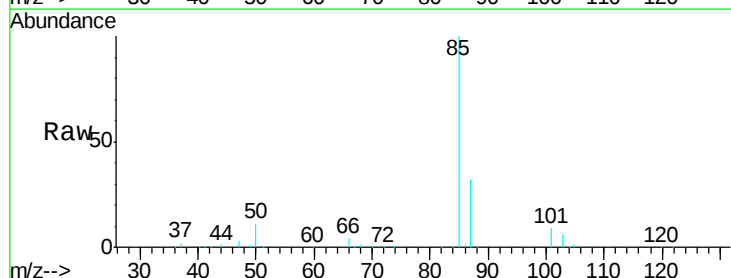
Acq: 27 Nov 2019 14:28

Tgt Ion: 85 Resp: 660893

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

500000

400000

300000

200000

100000

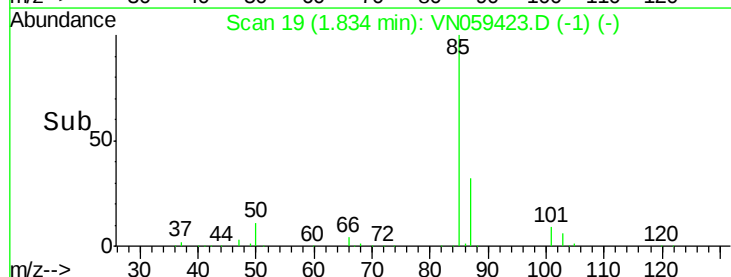
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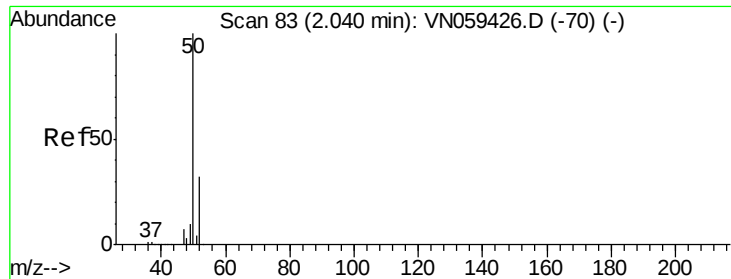
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 158.513 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

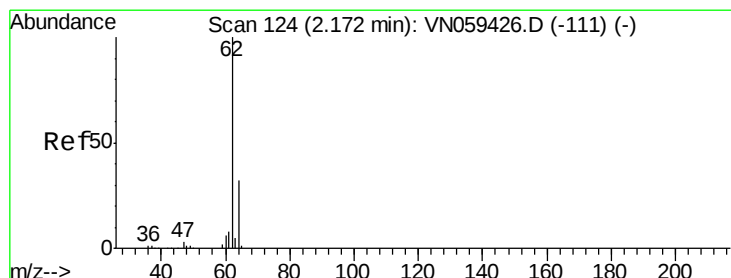
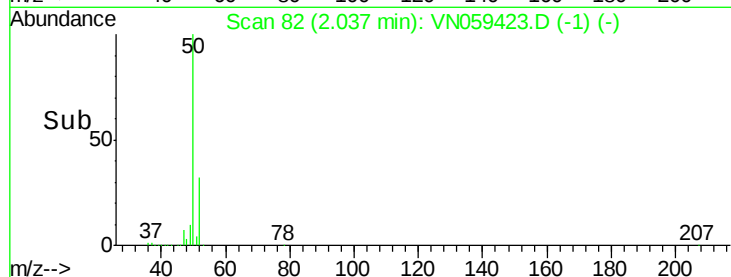
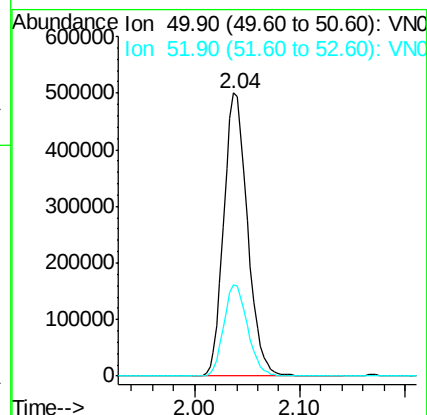
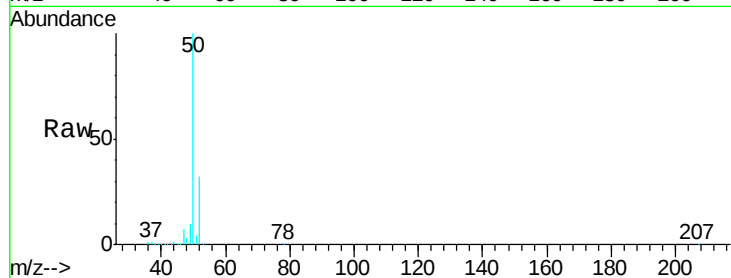
VSTDIC150

Tgt Ion: 50 Resp: 779791

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6



#4

Vinyl Chloride

Concen: 161.745 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059423.D

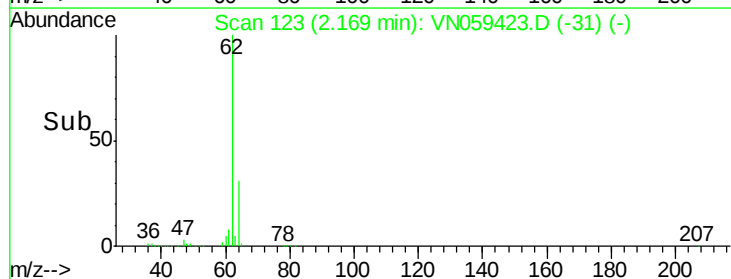
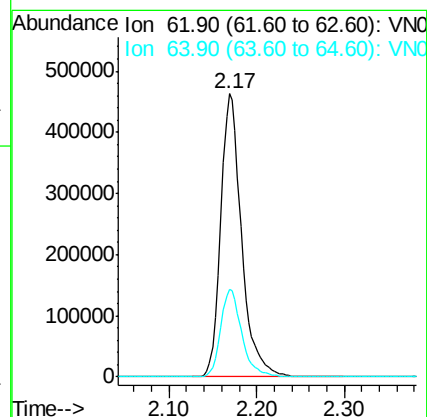
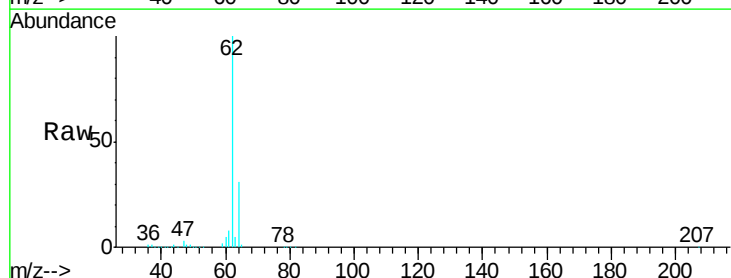
Acq: 27 Nov 2019 14:28

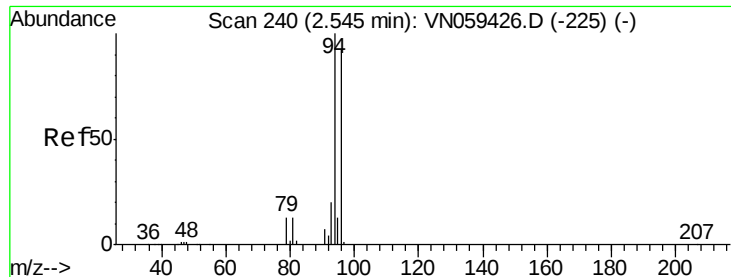
Tgt Ion: 62 Resp: 764625

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 158.036 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

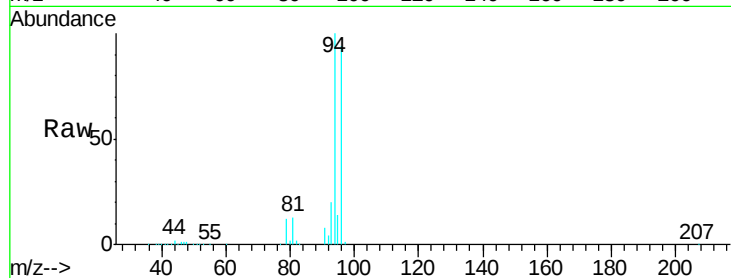
VSTDIC150

Tgt Ion: 94 Resp: 449816

Ion Ratio Lower Upper

94 100

96 93.8 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

200000

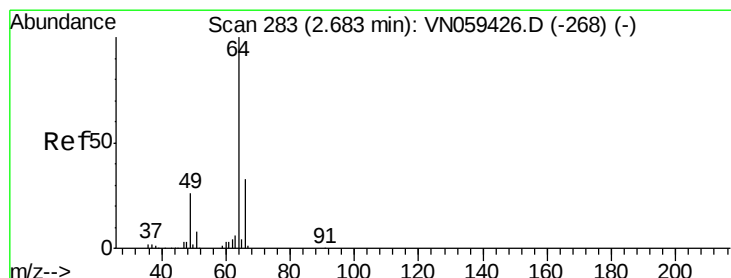
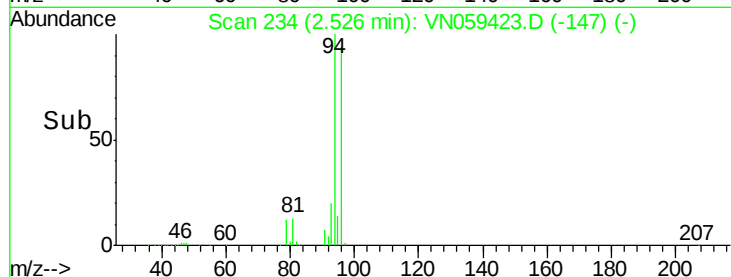
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 159.214 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059423.D

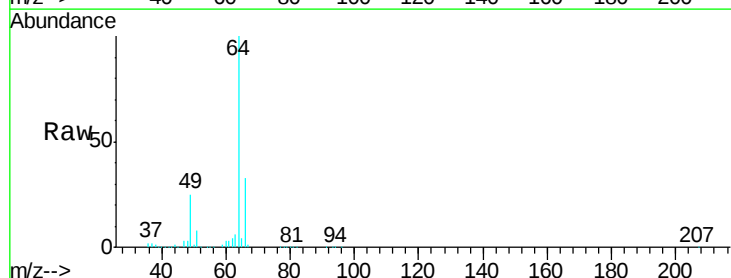
Acq: 27 Nov 2019 14:28

Tgt Ion: 64 Resp: 422005

Ion Ratio Lower Upper

64 100

66 32.8 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

200000

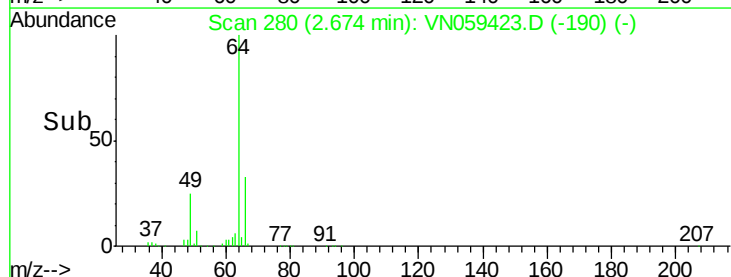
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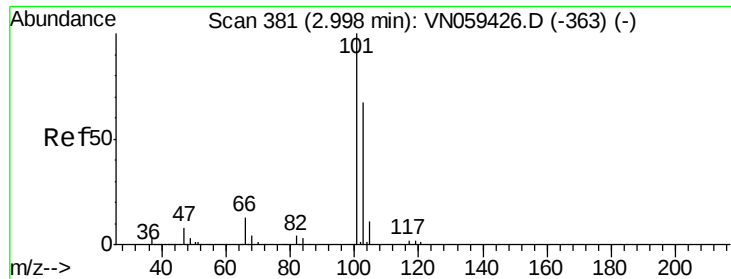
100000

50000

0

Time-->



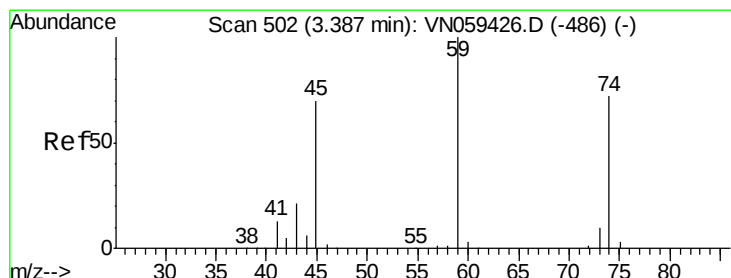
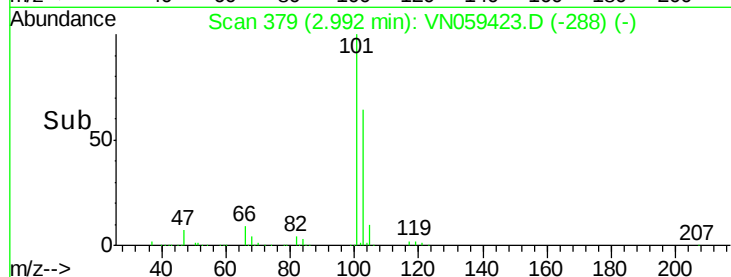
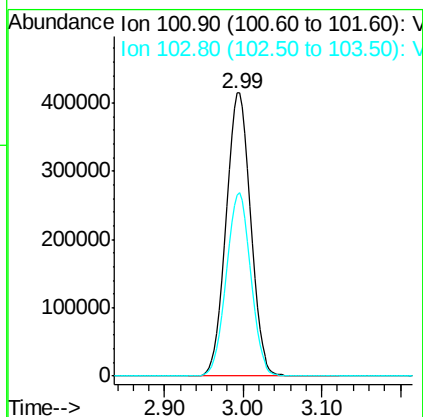
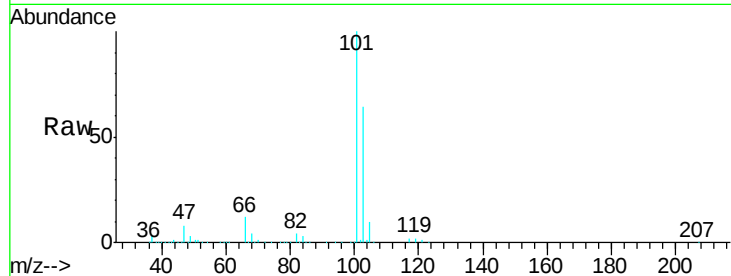


#7

Trichlorofluoromethane
Concen: 159.088 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.01 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Instrument :
MSVOA_N
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VSTDIC150

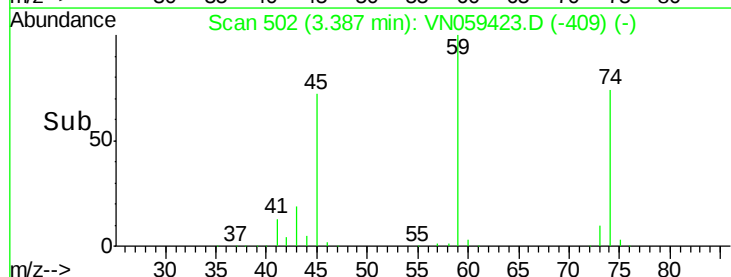
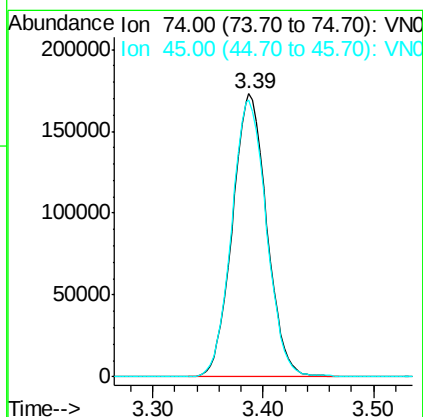
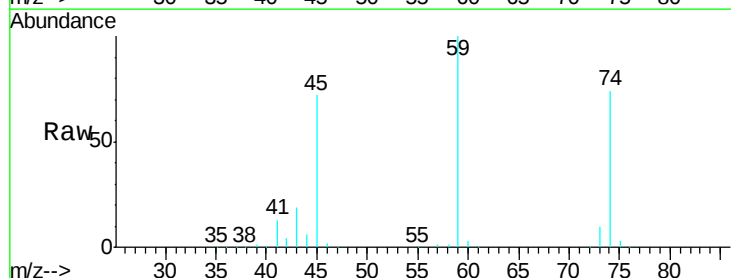
Tgt Ion:101 Resp: 895793
Ion Ratio Lower Upper
101 100
103 64.2 53.6 80.4

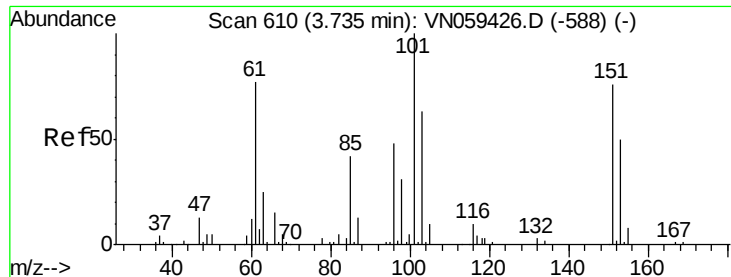


#8

Diethyl Ether
Concen: 162.558 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Tgt Ion: 74 Resp: 372524
Ion Ratio Lower Upper
74 100
45 98.9 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 157.812 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

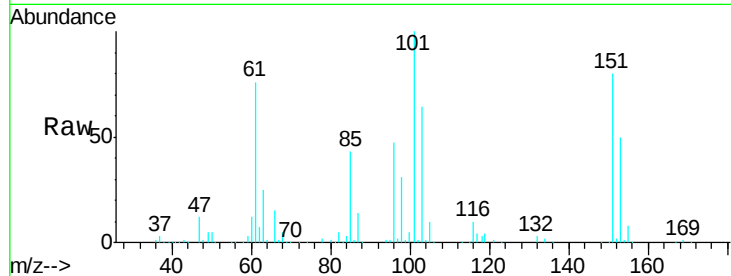
Tgt Ion:101 Resp: 547284

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.2

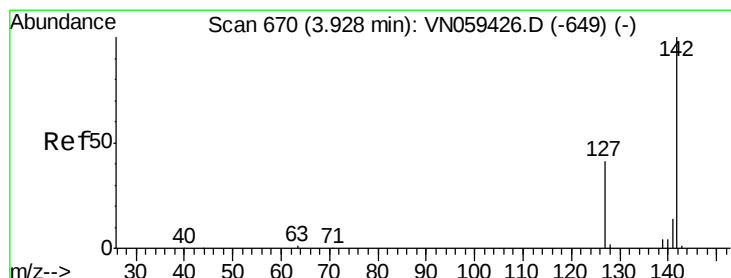
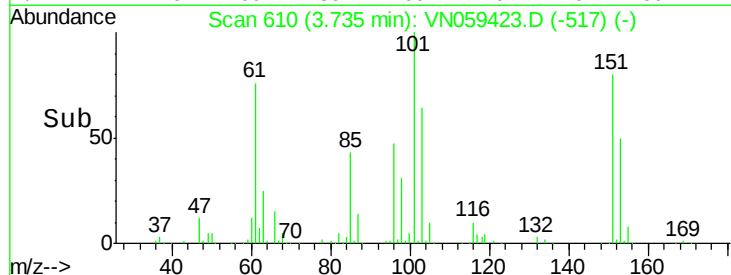
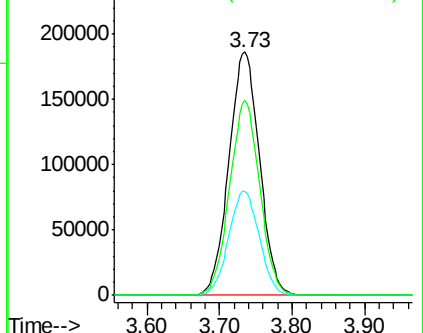
151 78.8 62.6 93.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 169.795 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

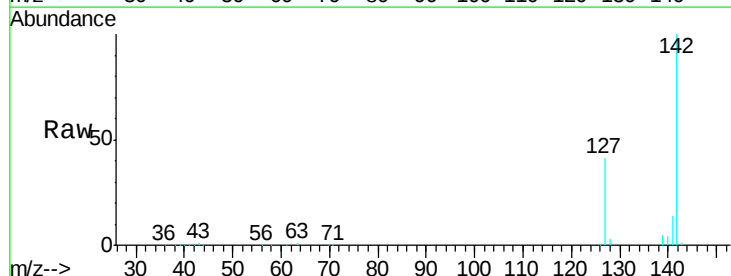
Tgt Ion:142 Resp: 766431

Ion Ratio Lower Upper

142 100

127 41.2 32.6 48.8

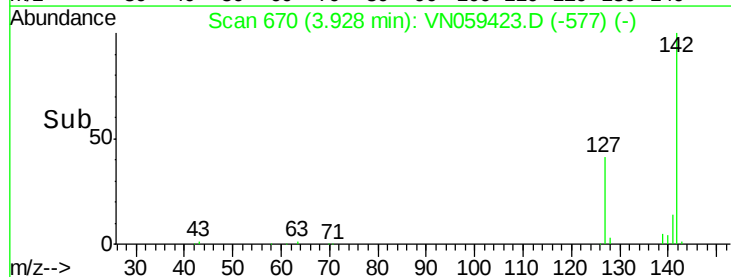
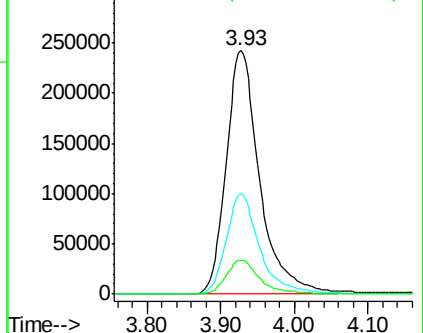
141 14.0 11.1 16.7

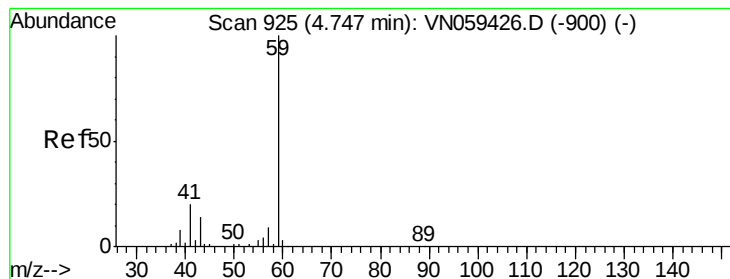


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



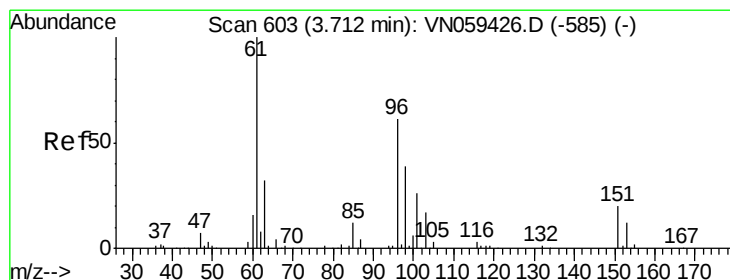
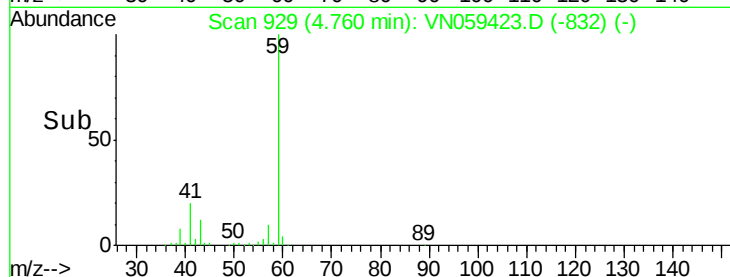
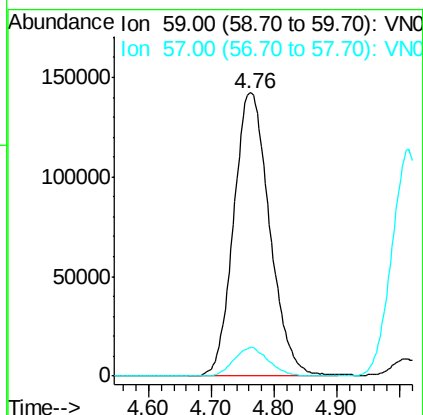
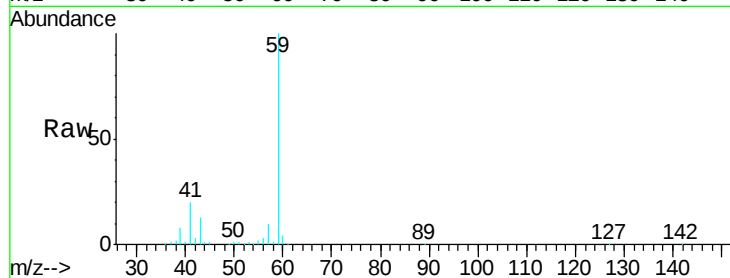


#11

Tert butyl alcohol
 Concen: 815.512 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

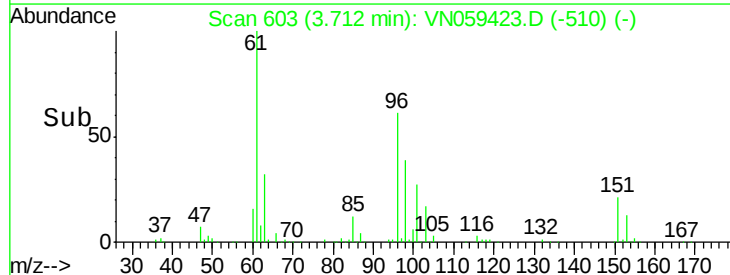
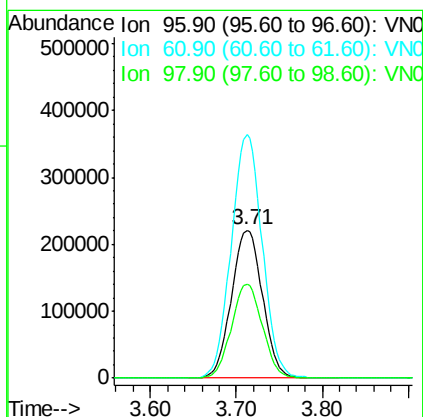
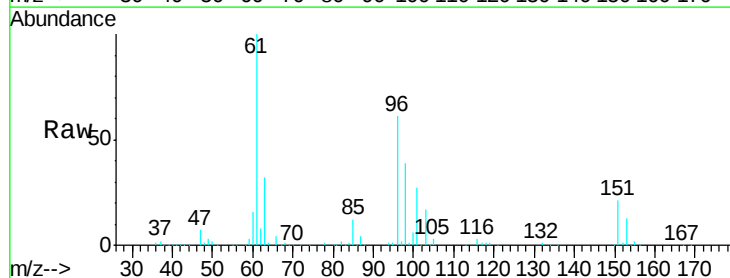
Tgt Ion: 59 Resp: 566268
 Ion Ratio Lower Upper
 59 100
 57 9.8 3.8 5.8#

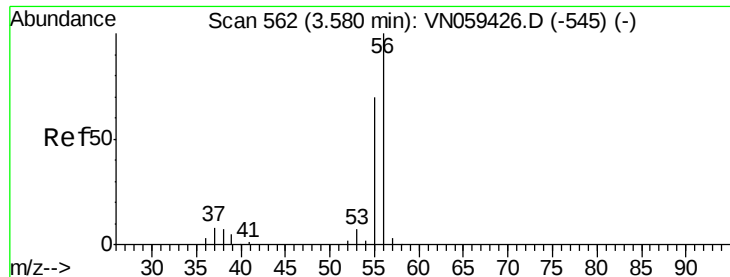


#12

1,1-Dichloroethene
 Concen: 163.541 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Tgt Ion: 96 Resp: 555425
 Ion Ratio Lower Upper
 96 100
 61 164.7 130.5 195.7
 98 63.6 51.3 76.9

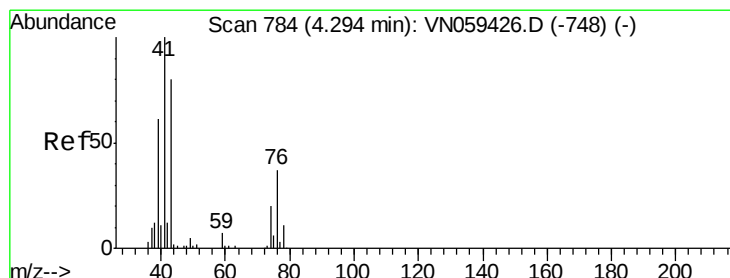
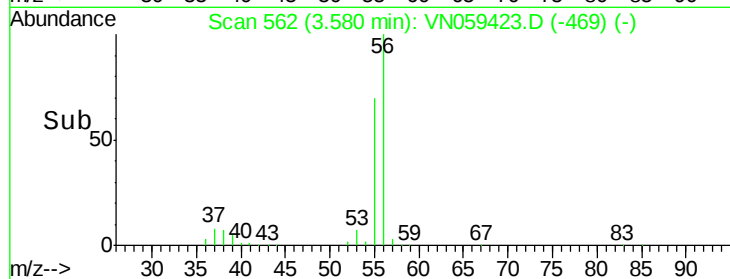
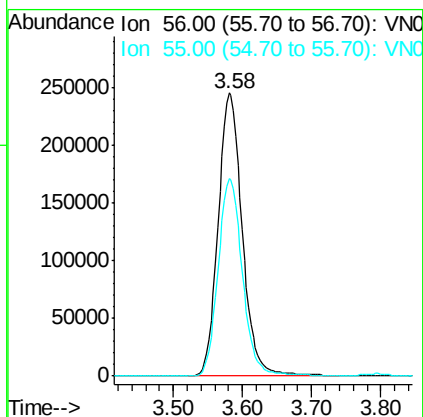
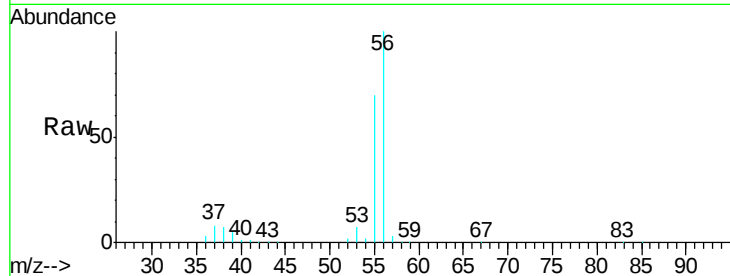




#13
 Acrolein
 Concen: 876.340 ug/l
 RT: 3.58 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

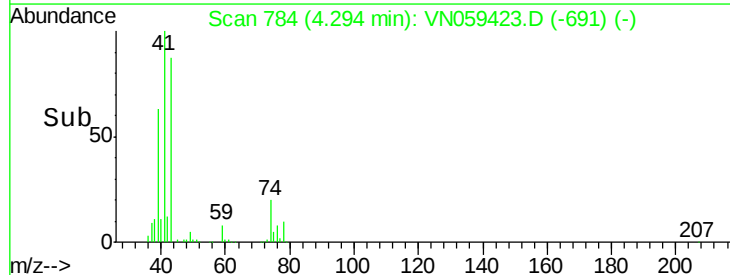
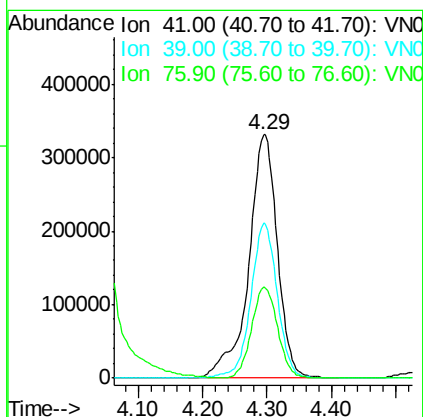
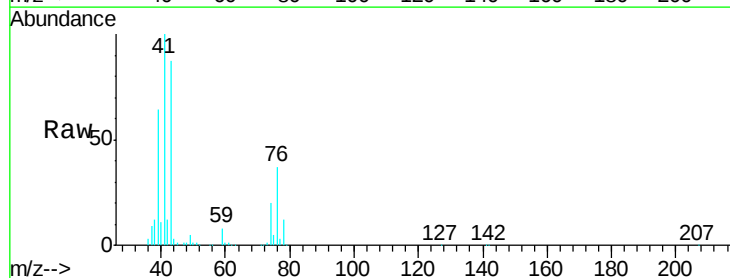
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

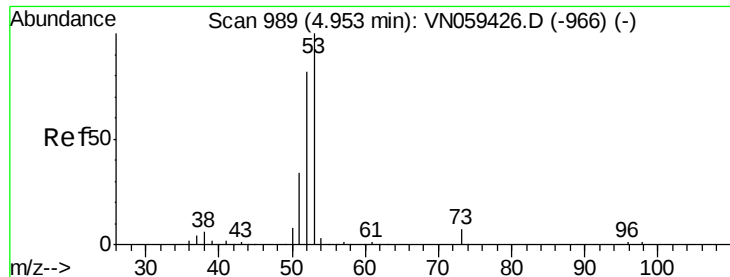
Tgt Ion: 56 Resp: 594005
 Ion Ratio Lower Upper
 56 100
 55 70.1 57.8 86.6



#14
 Allyl chloride
 Concen: 163.083 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Tgt Ion: 41 Resp: 1027236
 Ion Ratio Lower Upper
 41 100
 39 58.4 46.5 69.7
 76 33.7 26.8 40.2





#15

Acrylonitrile

Concen: 855.627 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

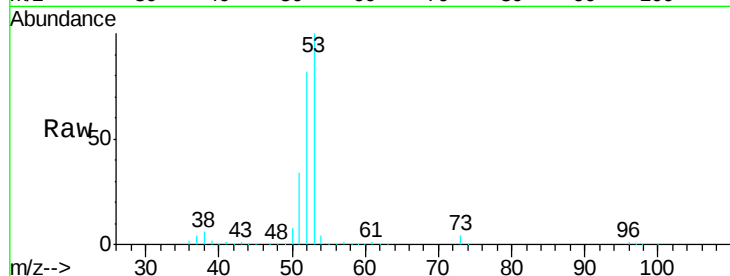
Tgt Ion: 53 Resp: 165530

Ion Ratio Lower Upper

53 100

52 81.1 65.1 97.7

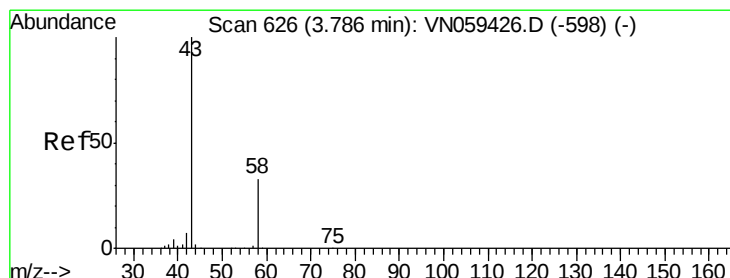
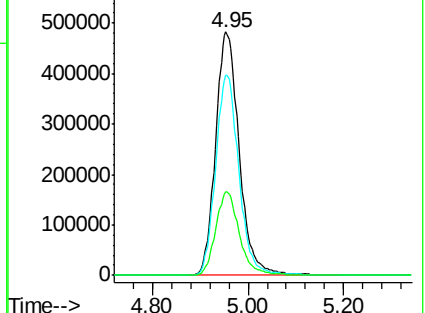
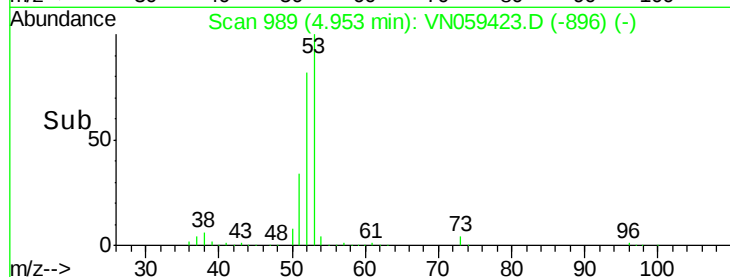
51 34.5 27.8 41.8



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



#16

Acetone

Concen: 780.748 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059423.D

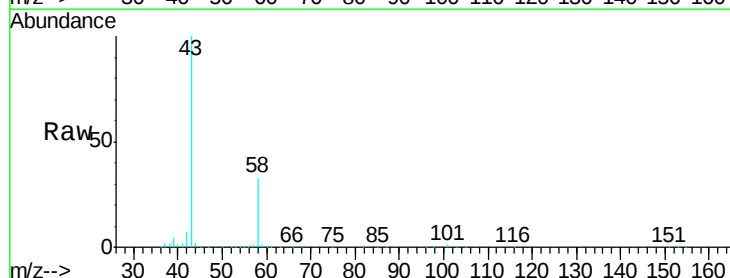
Acq: 27 Nov 2019 14:28

Tgt Ion: 43 Resp: 1490864

Ion Ratio Lower Upper

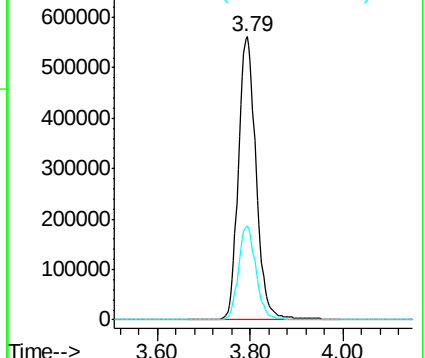
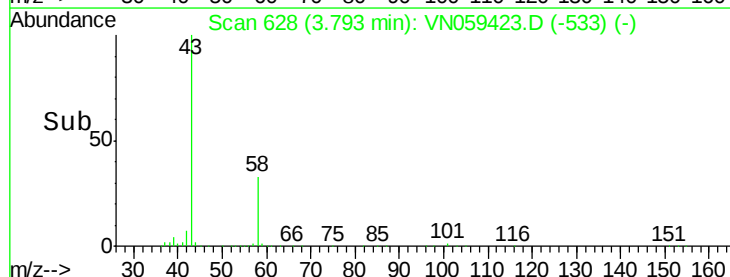
43 100

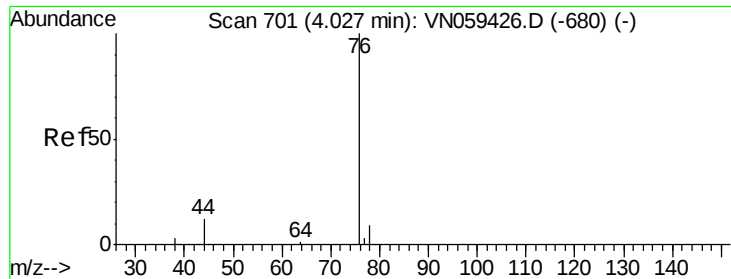
58 33.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 152.779 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

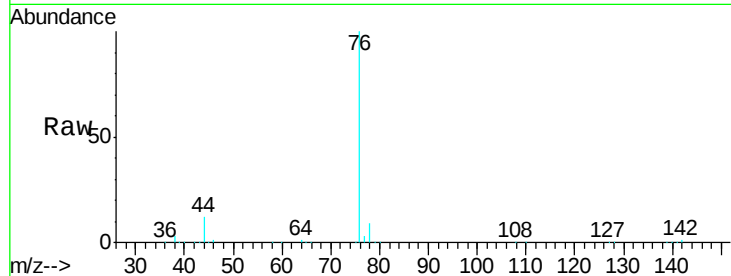
VSTDIC150

Tgt Ion: 76 Resp: 1780589

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

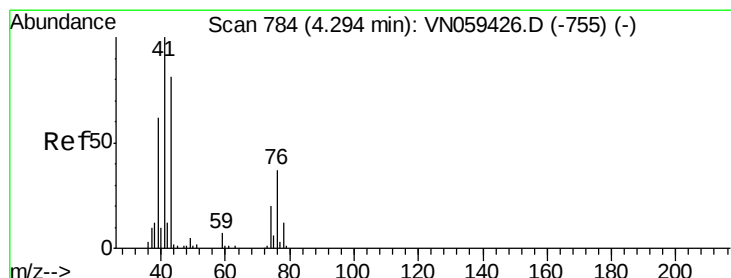
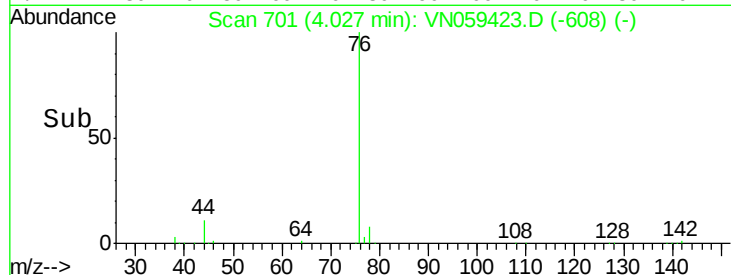
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 157.144 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059423.D

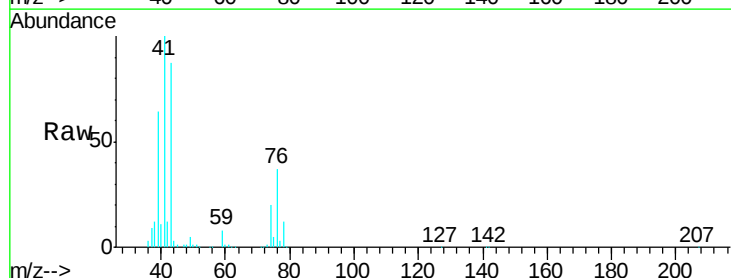
Acq: 27 Nov 2019 14:28

Tgt Ion: 43 Resp: 817154

Ion Ratio Lower Upper

43 100

74 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

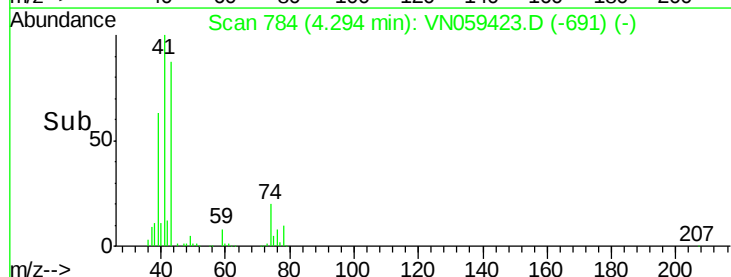
300000

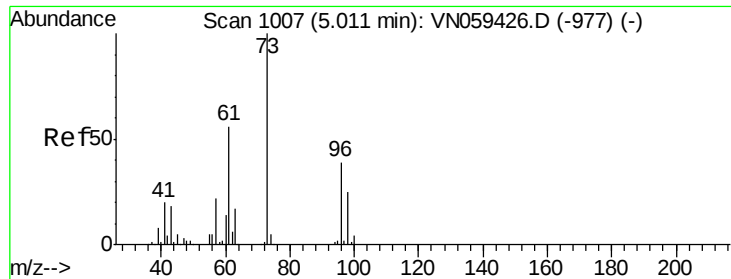
200000

100000

0

Time-->

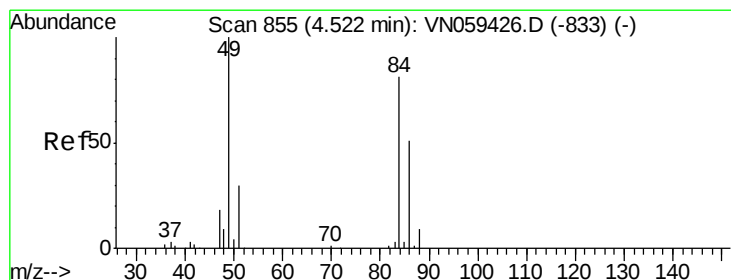
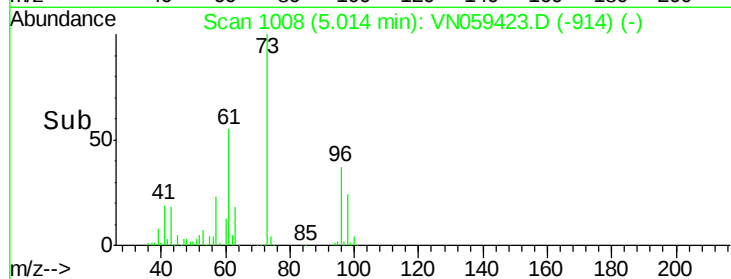
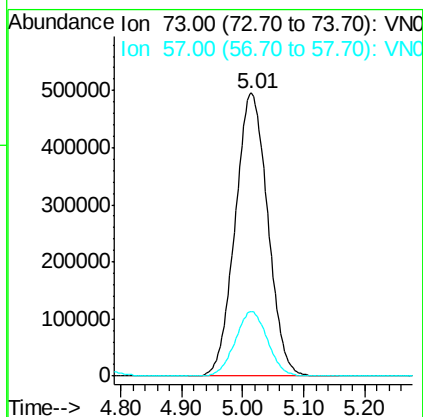
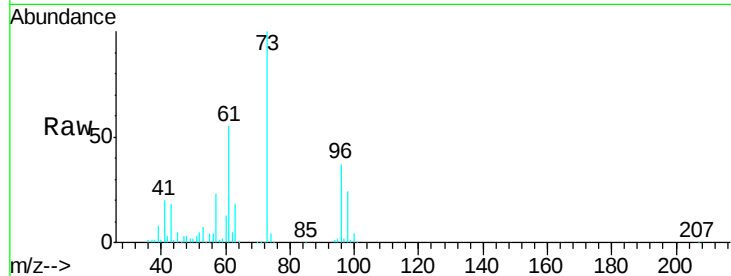




#19
Methyl tert-butyl Ether
Concen: 167.765 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

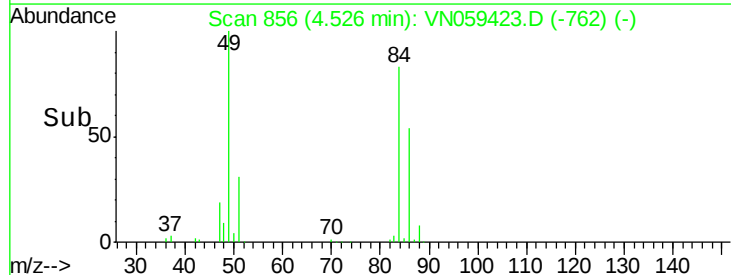
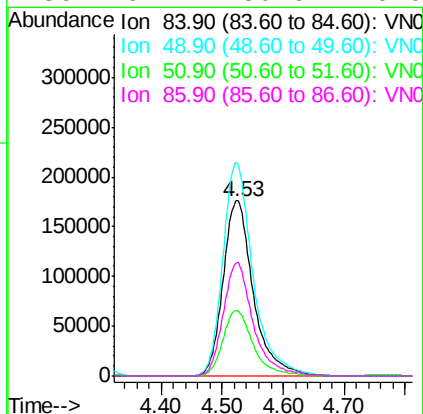
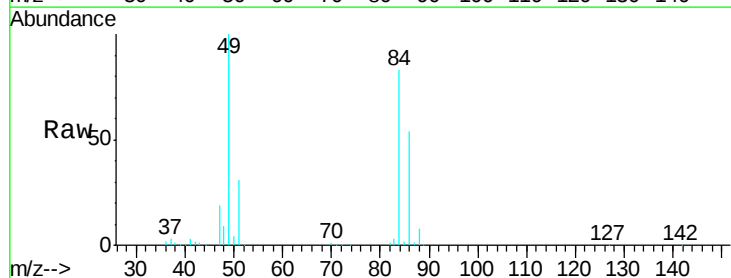
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

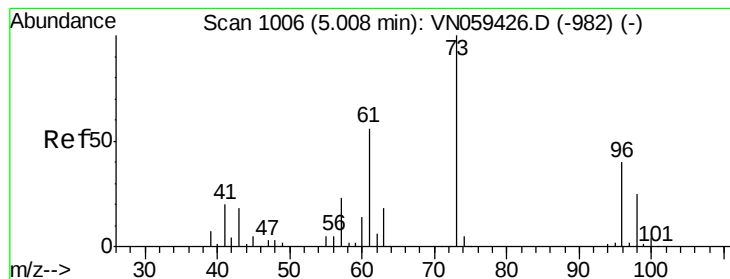
Tgt Ion: 73 Resp: 1836049
Ion Ratio Lower Upper
73 100
57 23.0 17.7 26.5



#20
Methylene Chloride
Concen: 156.348 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Tgt Ion: 84 Resp: 606639
Ion Ratio Lower Upper
84 100
49 120.7 98.6 148.0
51 37.1 29.4 44.0
86 64.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 160.263 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

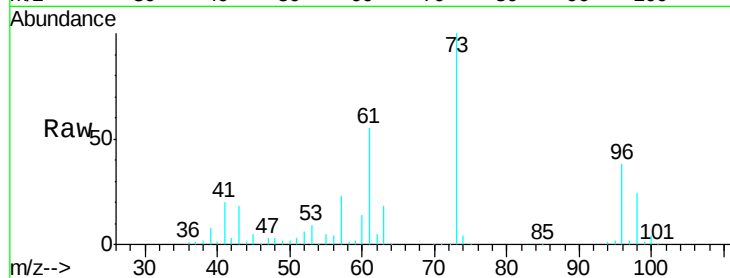
Tgt Ion: 96 Resp: 593013

Ion Ratio Lower Upper

96 100

61 145.7 114.0 171.0

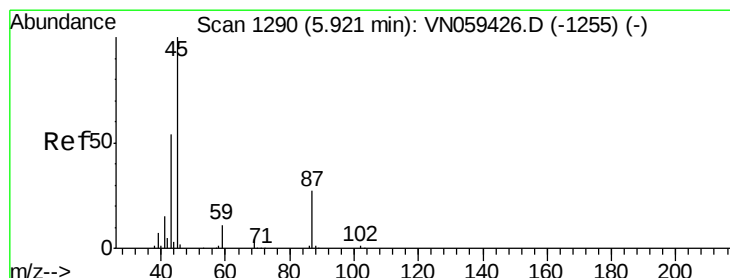
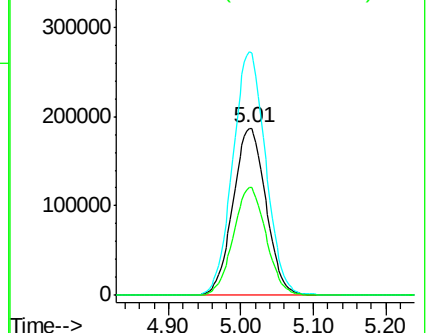
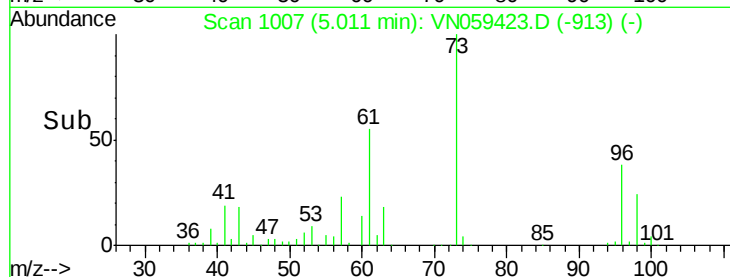
98 64.5 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VN059423.D (-913) (-)

Ion 60.90 (60.60 to 61.60): VN059423.D (-913) (-)

Ion 97.90 (97.60 to 98.60): VN059423.D (-913) (-)



#22

Diisopropyl ether

Concen: 166.615 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Tgt Ion: 45 Resp: 1950273

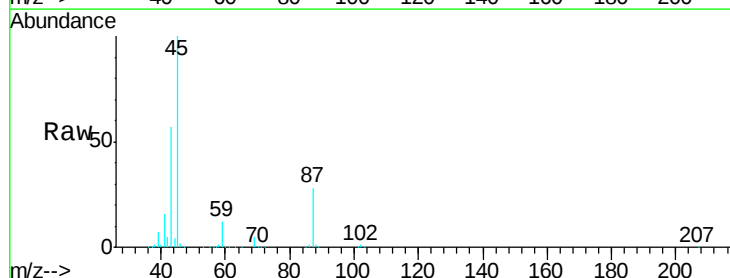
Ion Ratio Lower Upper

45 100

43 56.7 46.3 69.5

87 27.6 21.8 32.6

59 11.8 9.0 13.4

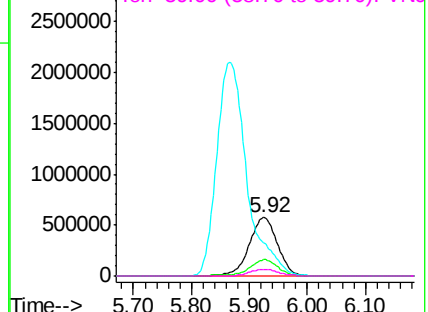
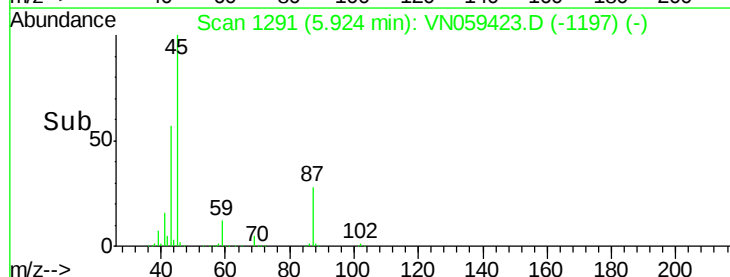


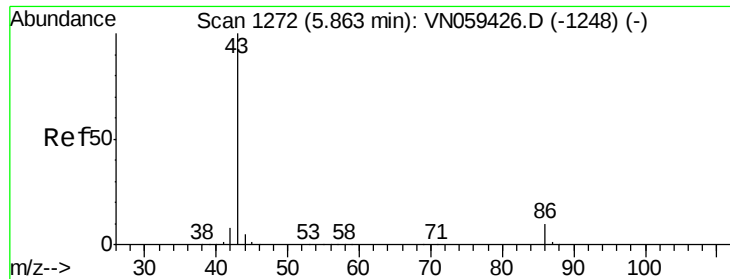
Abundance Ion 45.00 (44.70 to 45.70): VN059423.D (-1197) (-)

Ion 43.00 (42.70 to 43.70): VN059423.D (-1197) (-)

Ion 87.00 (86.70 to 87.70): VN059423.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059423.D (-1197) (-)

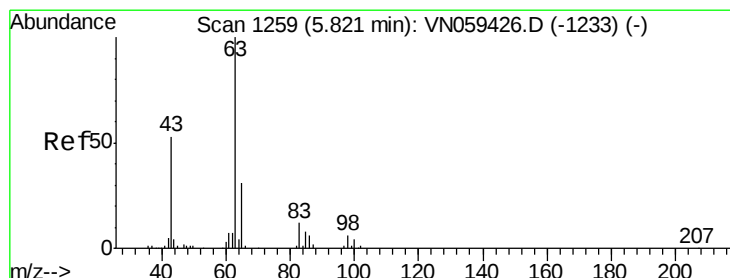
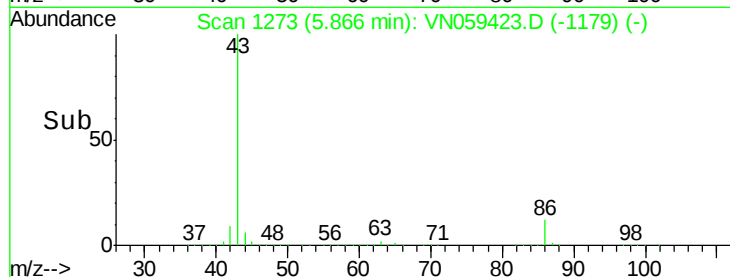
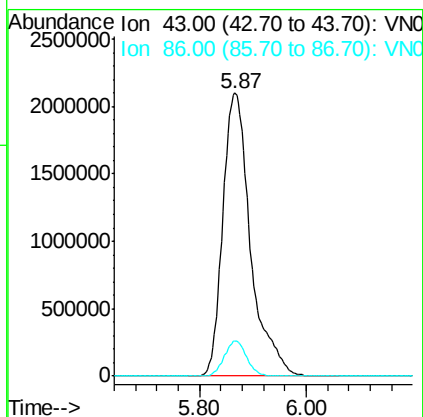
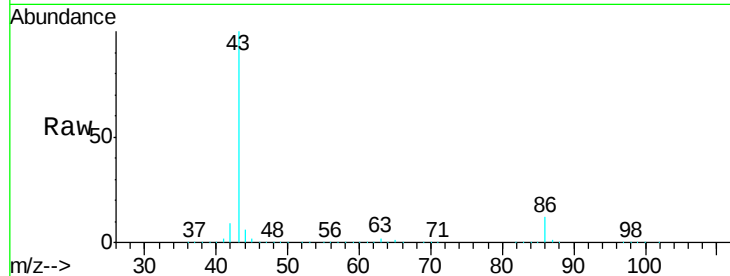




#23
 Vinyl Acetate
 Concen: 803.169 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

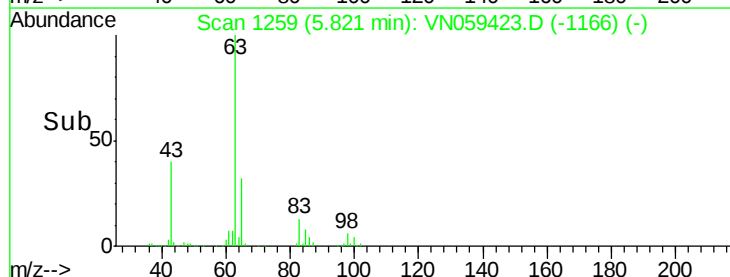
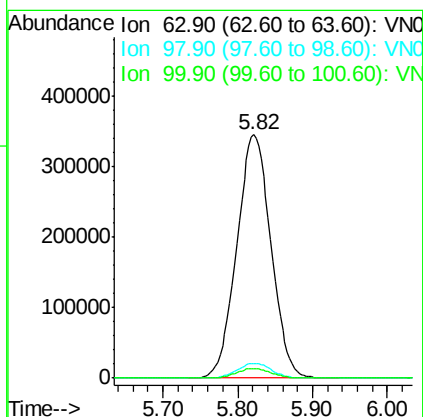
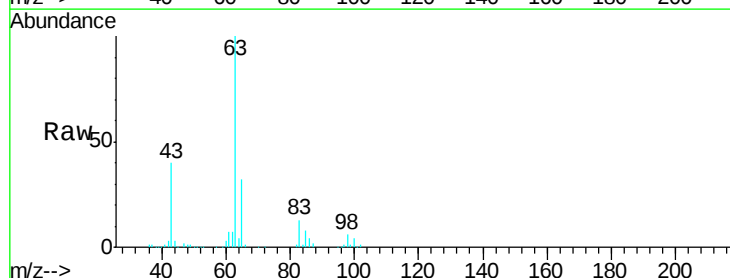
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

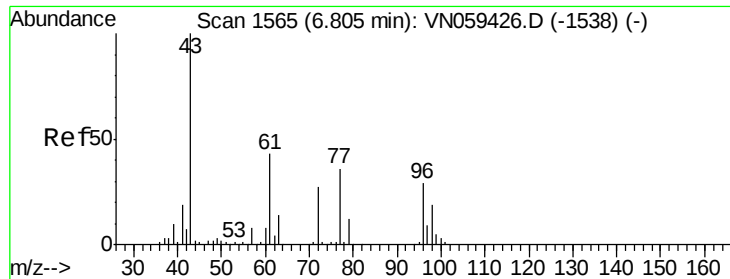
Tgt Ion: 43 Resp: 7584590
 Ion Ratio Lower Upper
 43 100
 86 12.5 8.2 12.4#



#24
 1,1-Dichloroethane
 Concen: 162.256 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Tgt Ion: 63 Resp: 1092757
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.2 9.6
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 852.416 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

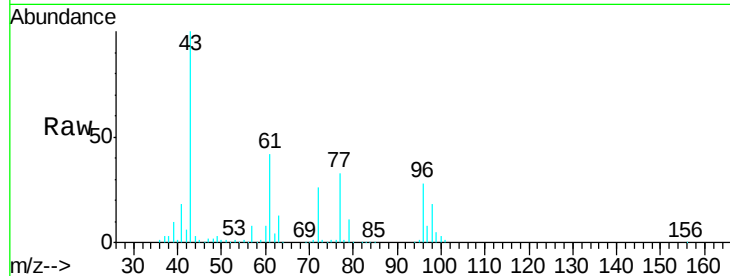
VSTDIC150

Tgt Ion: 43 Resp: 2239237

Ion Ratio Lower Upper

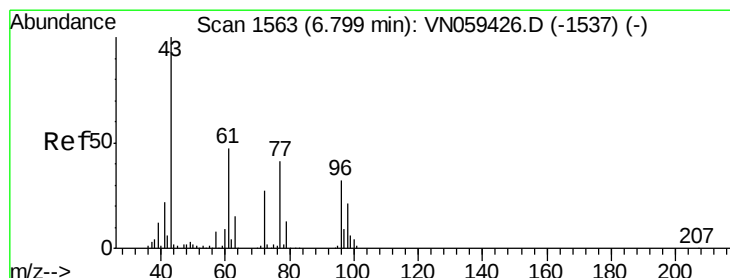
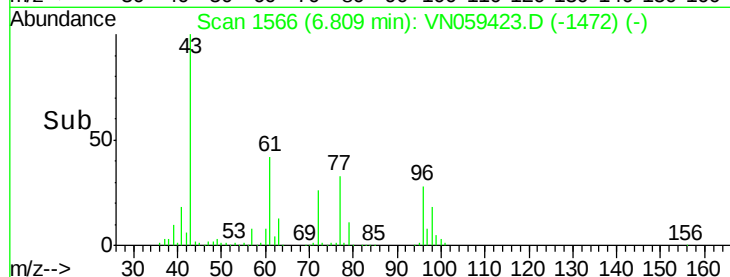
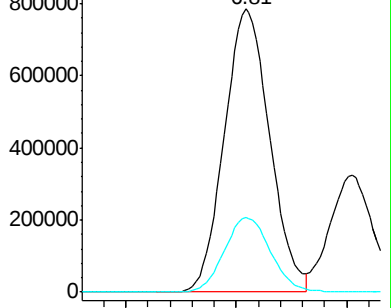
43 100

72 26.4 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VN059426.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN059426.D (-1538) (-)



#26

2,2-Dichloropropane

Concen: 159.596 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059423.D

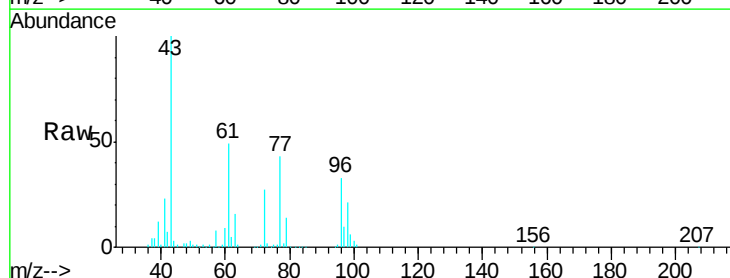
Acq: 27 Nov 2019 14:28

Tgt Ion: 77 Resp: 914710

Ion Ratio Lower Upper

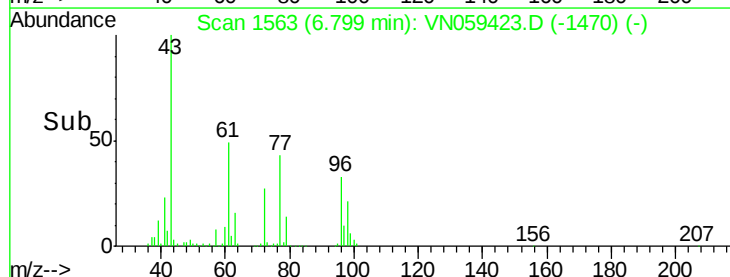
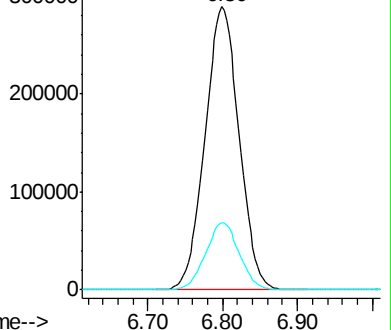
77 100

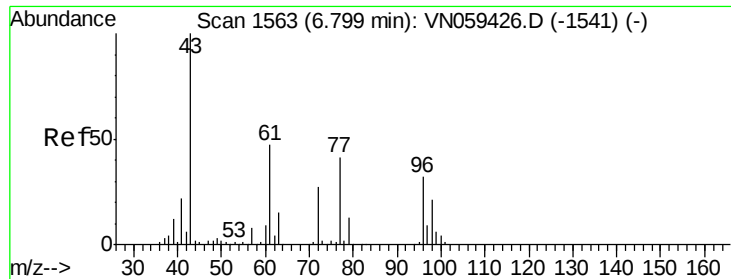
97 23.5 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VN059426.D (-1537) (-)

Ion 96.90 (96.60 to 97.60): VN059426.D (-1537) (-)





#27

cis-1,2-Dichloroethene

Concen: 163.653 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

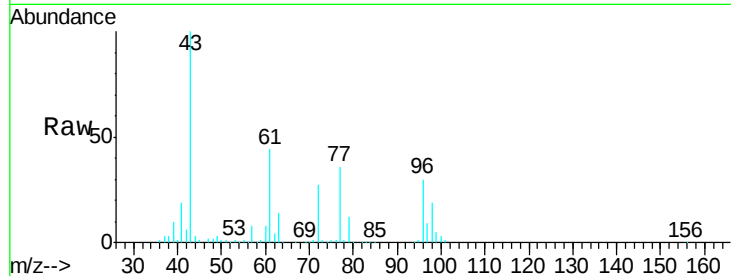
Tgt Ion: 96 Resp: 662286

Ion Ratio Lower Upper

96 100

61 149.0 0.0 297.6

98 64.0 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VN059426.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN059426.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN059426.D (-1541) (-)

6.81

400000

300000

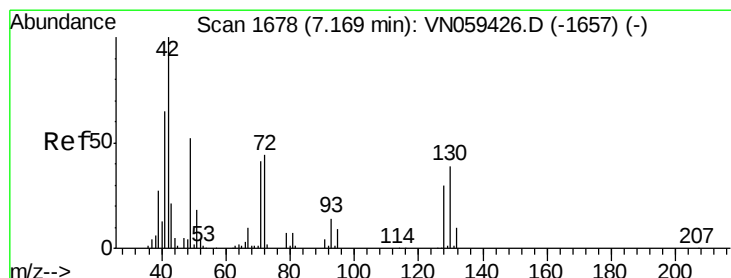
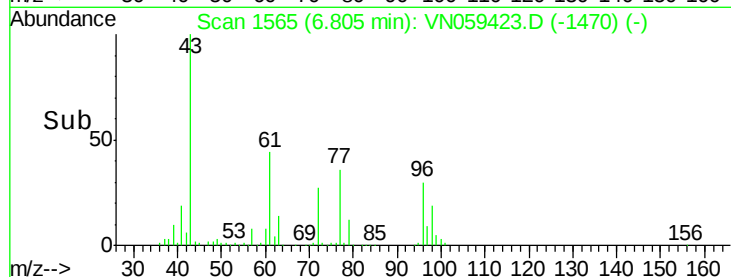
200000

100000

0

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 188.867 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

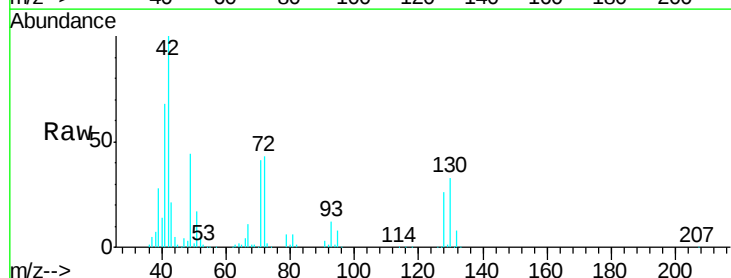
Tgt Ion: 49 Resp: 439502

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

130 75.2 60.5 90.7



Abundance Ion 48.90 (48.60 to 49.60): VN059426.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059426.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059426.D (-1657) (-)

7.17

200000

150000

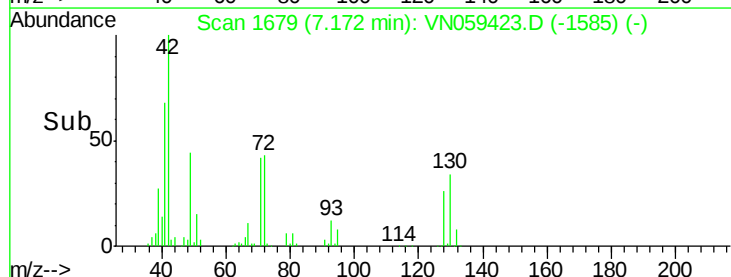
100000

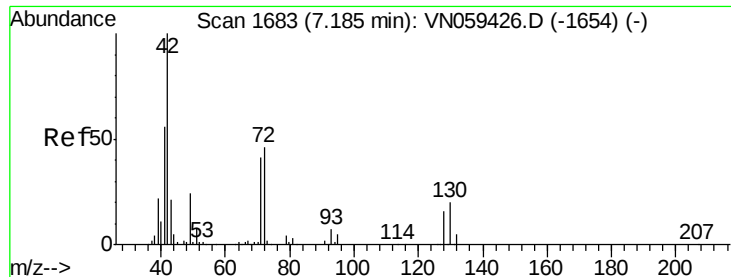
50000

0

7.10 7.20 7.30

Time-->

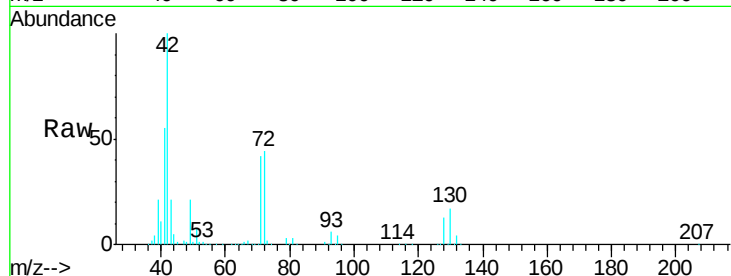




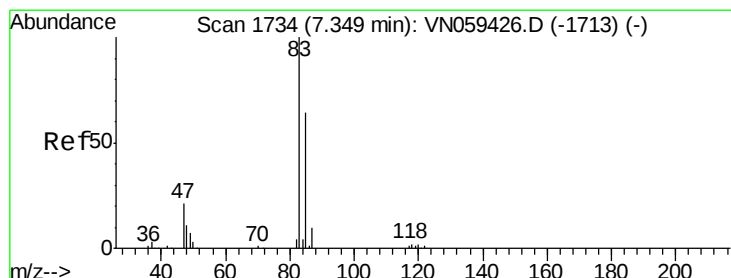
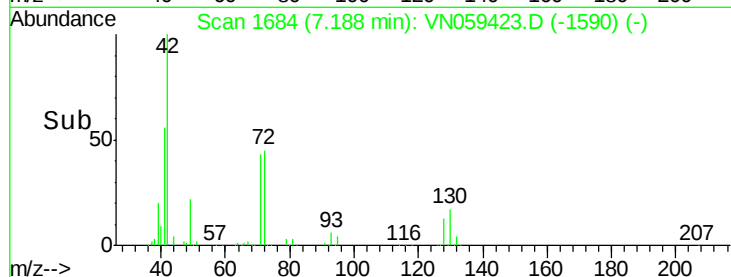
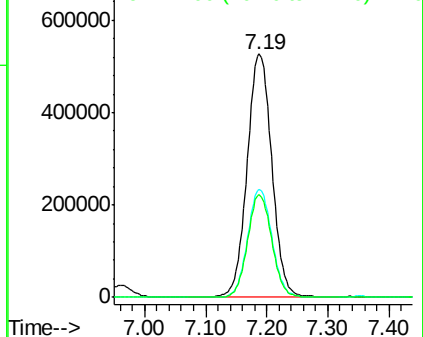
#29
Tetrahydrofuran
Concen: 846.869 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 1479577
Ion Ratio Lower Upper
42 100
72 43.7 34.6 51.8
71 41.2 33.0 49.6

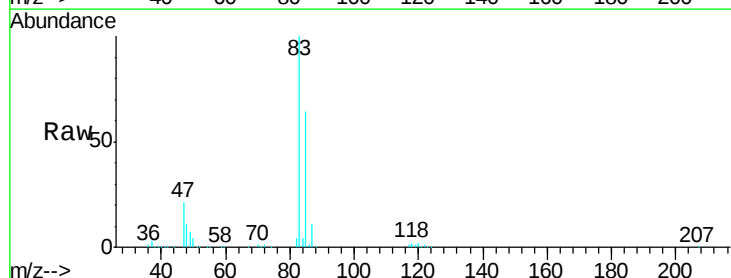


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

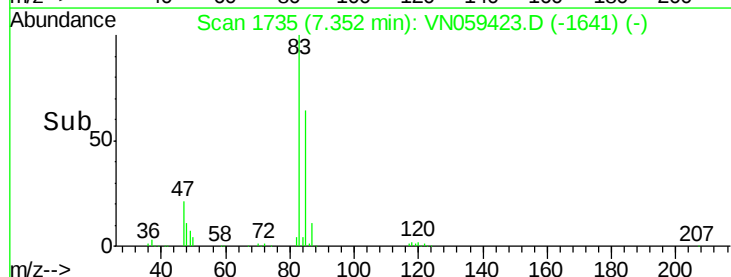
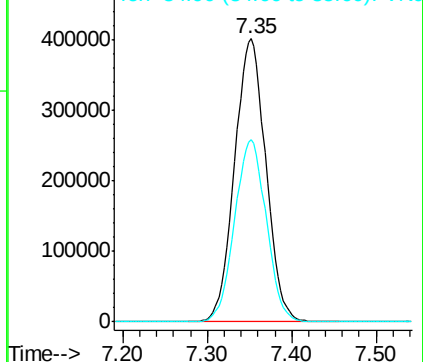


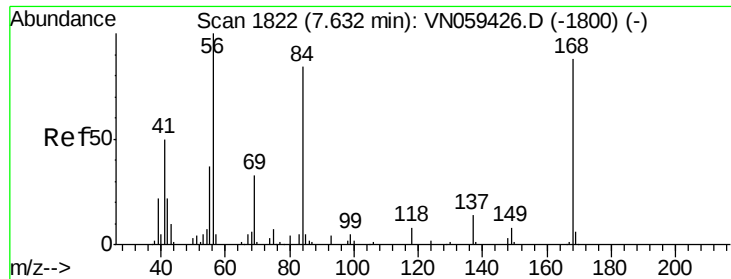
#30
Chloroform
Concen: 153.094 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Tgt Ion: 83 Resp: 1037546
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 156.571 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

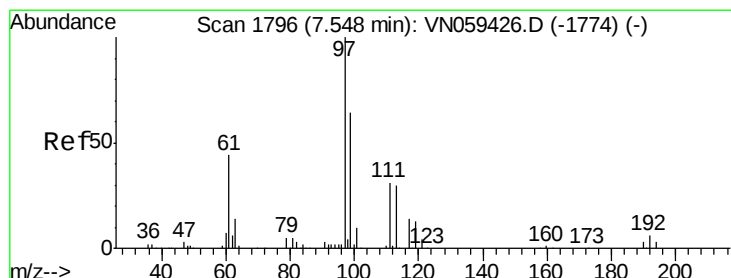
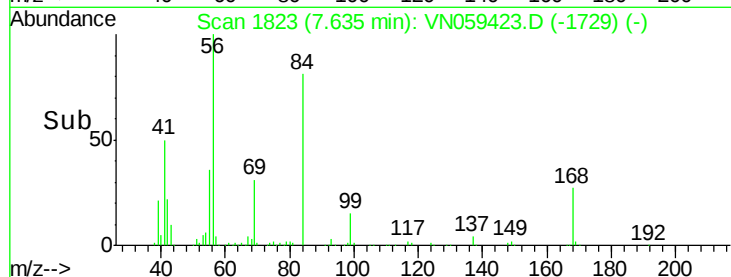
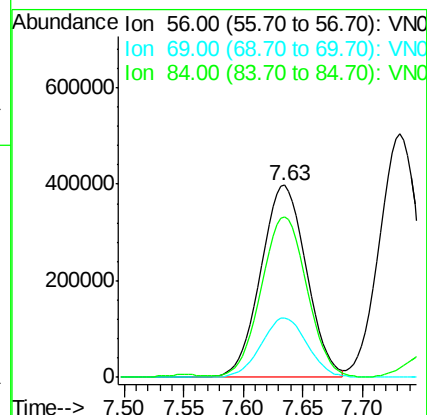
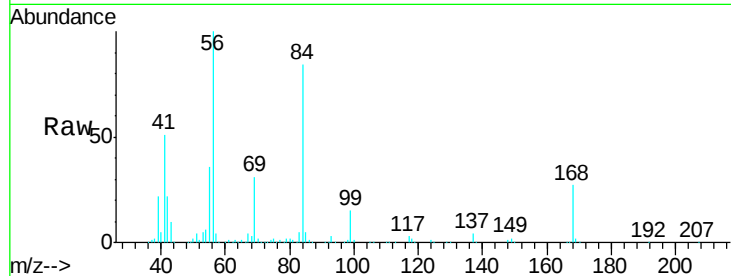
Tgt Ion: 56 Resp: 1057082

Ion Ratio Lower Upper

56 100

69 31.2 26.4 39.6

84 82.6 67.0 100.6



#32

1,1,1-Trichloroethane

Concen: 163.351 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

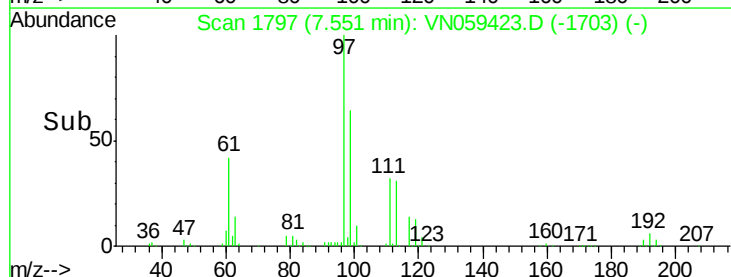
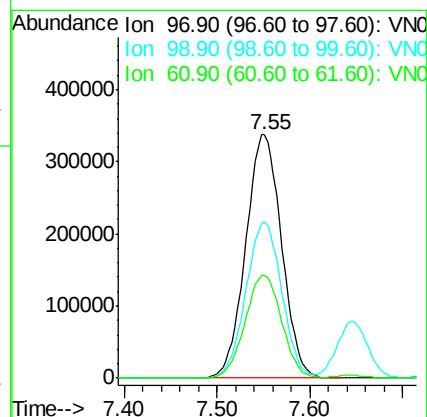
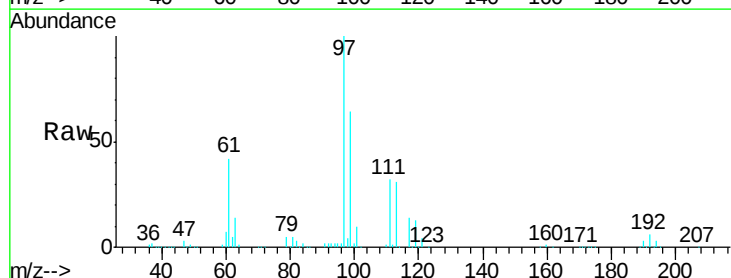
Tgt Ion: 97 Resp: 905318

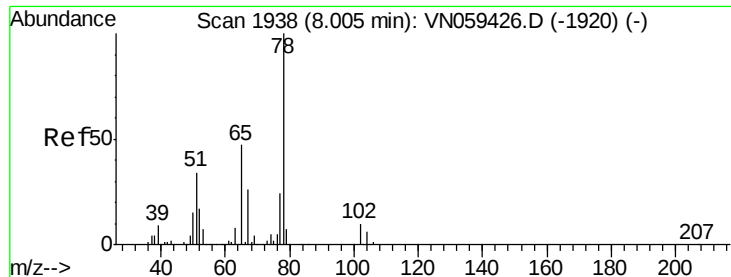
Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

61 43.0 34.3 51.5

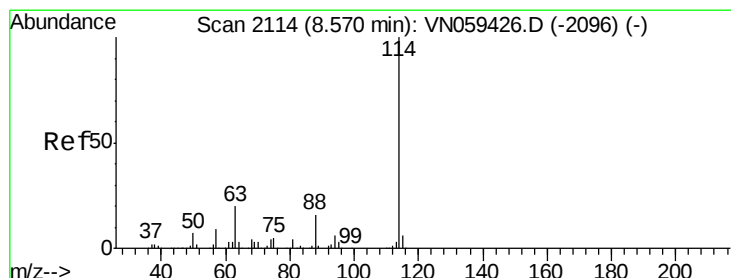
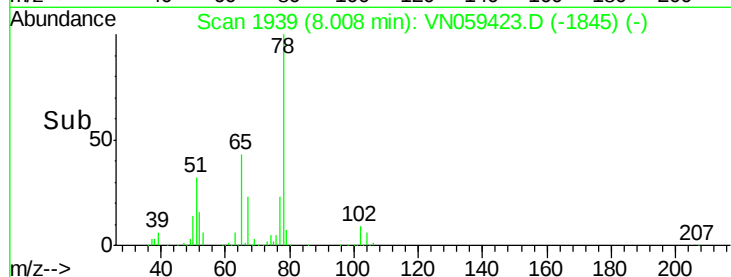
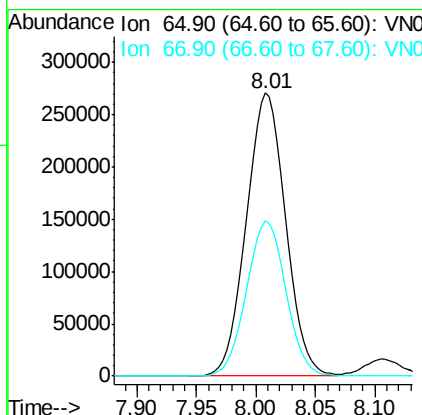
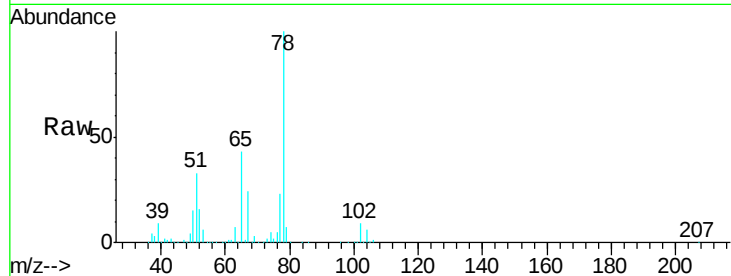




#33
 1,2-Dichloroethane-d4
 Concen: 154.548 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

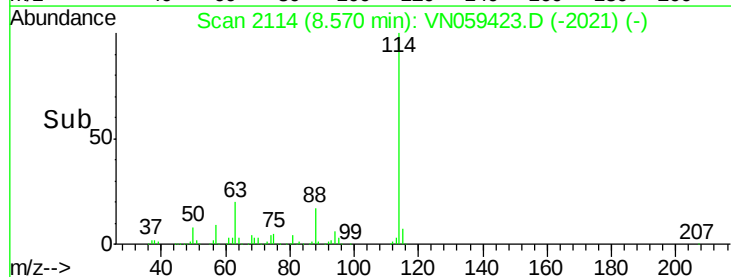
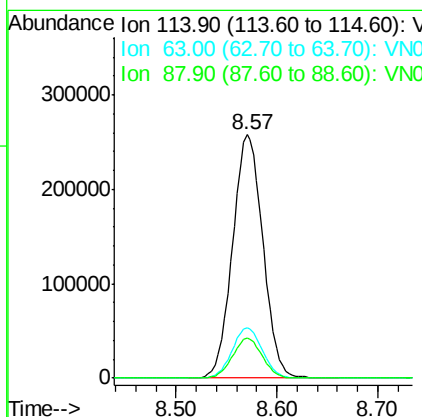
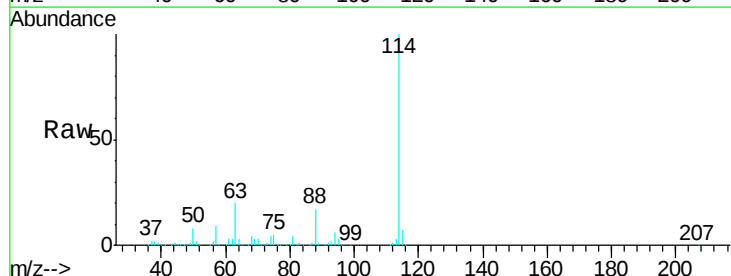
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

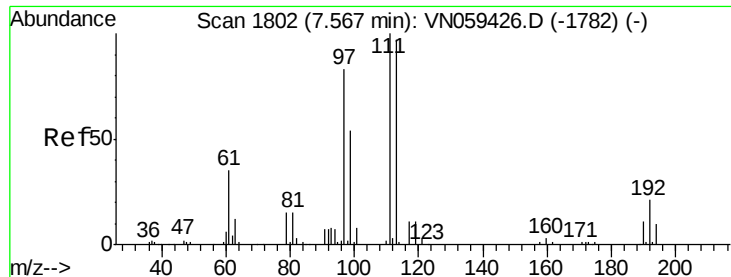
Tgt Ion: 65 Resp: 619471
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Tgt Ion: 114 Resp: 537976
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.4
 88 16.6 0.0 32.2

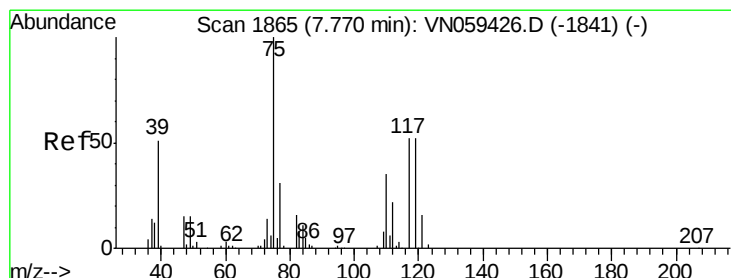
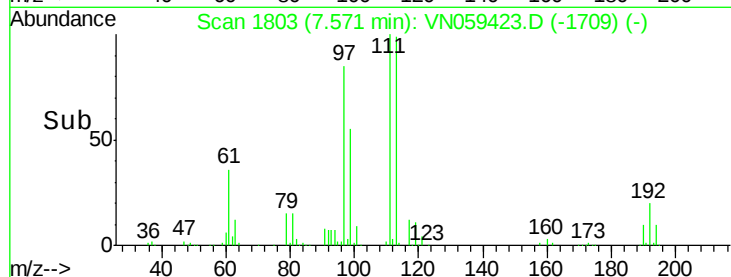
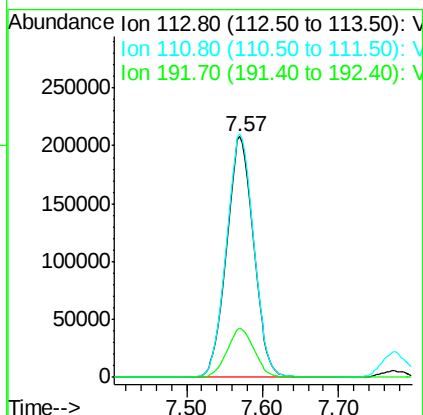
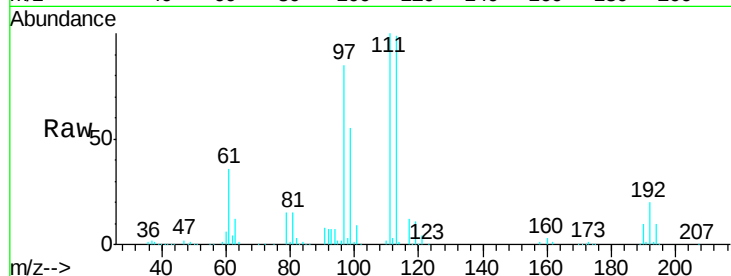




#35
 Dibromofluoromethane
 Concen: 157.161 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

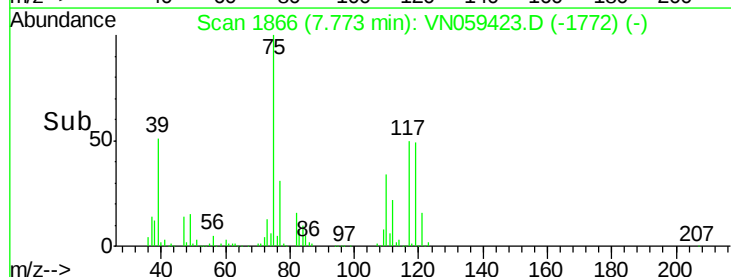
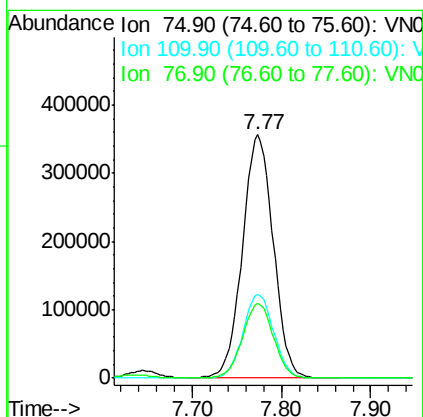
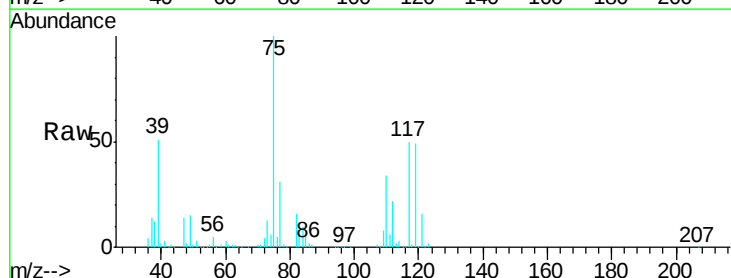
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

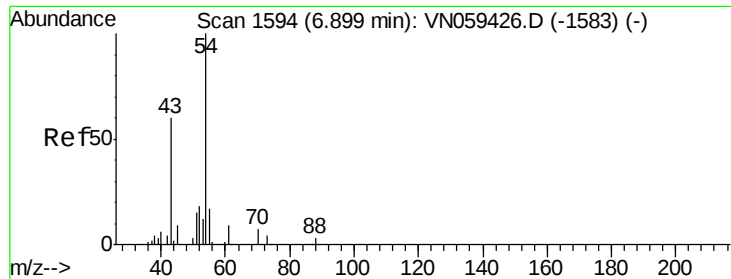
Tgt Ion: 113 Resp: 515002
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.9 122.9
 192 20.4 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 164.228 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Tgt Ion: 75 Resp: 849619
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.3 52.0
 77 31.1 24.9 37.3

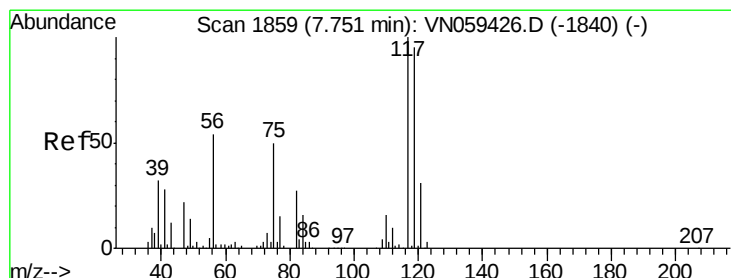
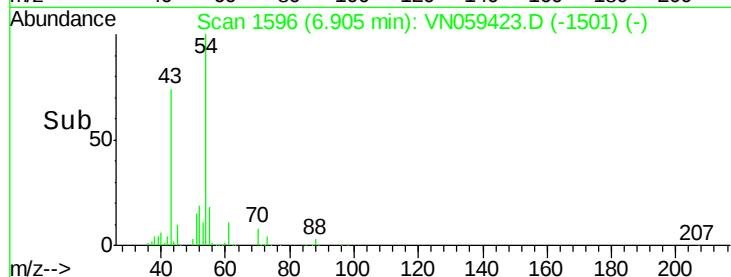
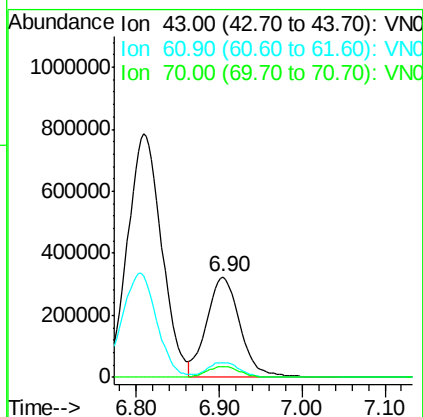
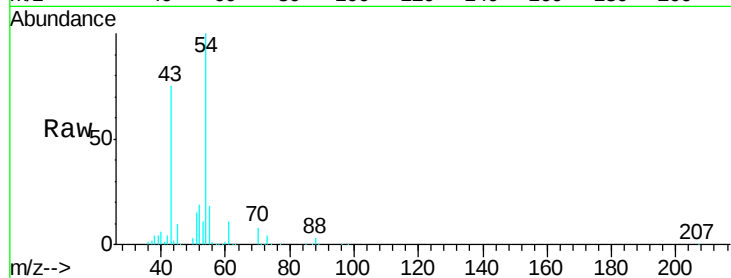




#37
 Ethyl Acetate
 Concen: 165.120 ug/l
 RT: 6.90 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

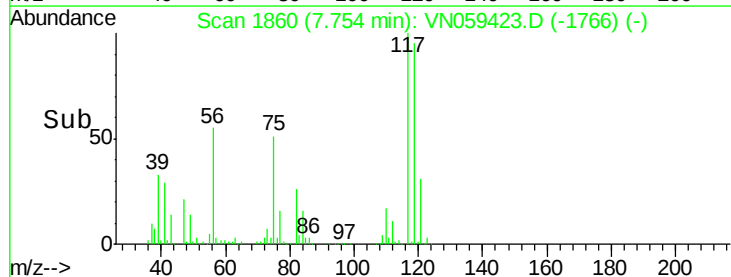
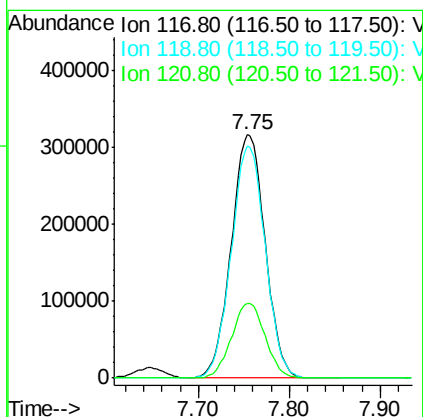
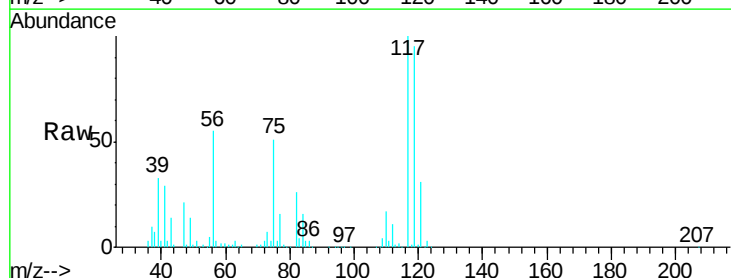
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

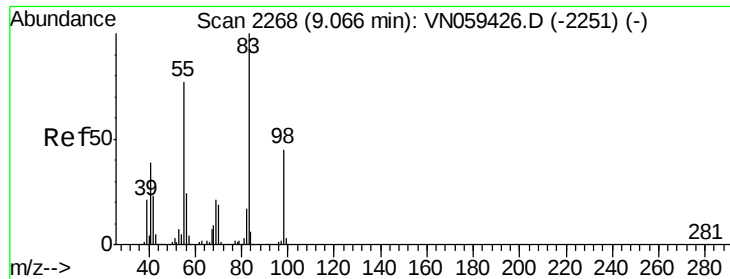
Tgt Ion: 43 Resp: 903791
 Ion Ratio Lower Upper
 43 100
 61 14.7 12.2 18.2
 70 10.7 8.8 13.2



#38
 Carbon Tetrachloride
 Concen: 167.334 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Tgt Ion: 117 Resp: 816987
 Ion Ratio Lower Upper
 117 100
 119 95.2 75.9 113.9
 121 30.8 24.6 36.8

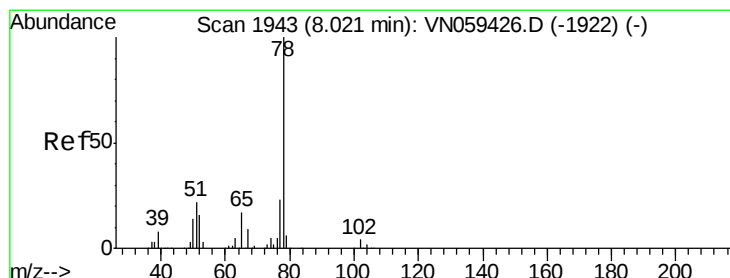
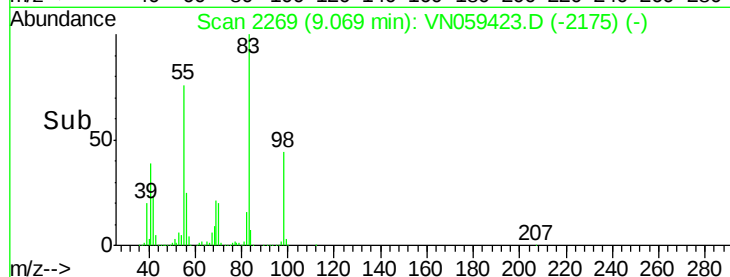
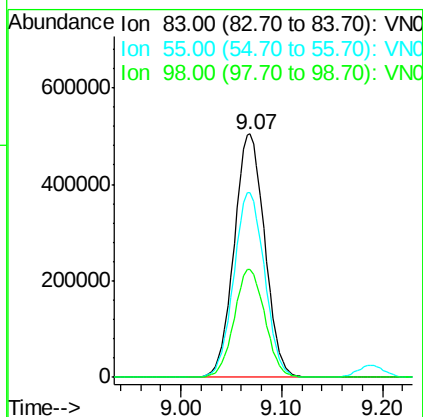
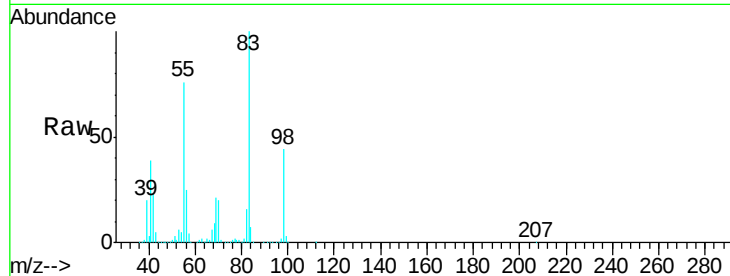




#39
Methylcyclohexane
Concen: 171.666 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

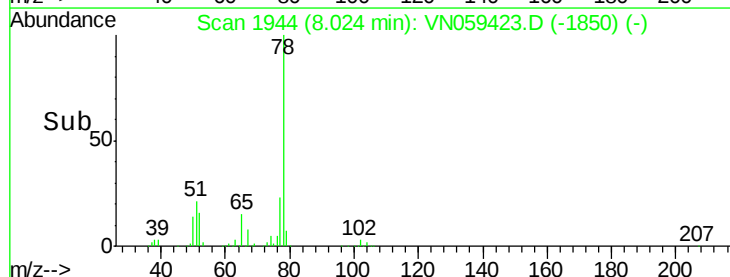
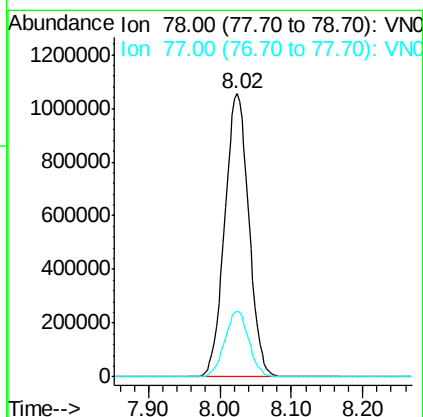
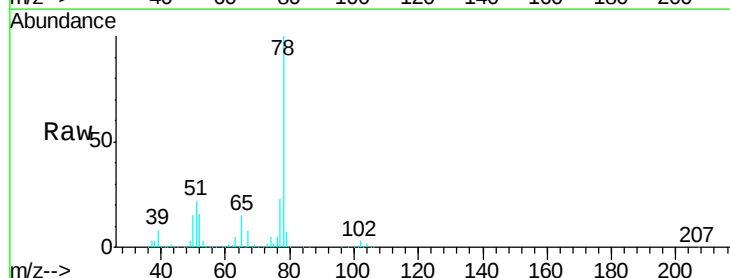
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

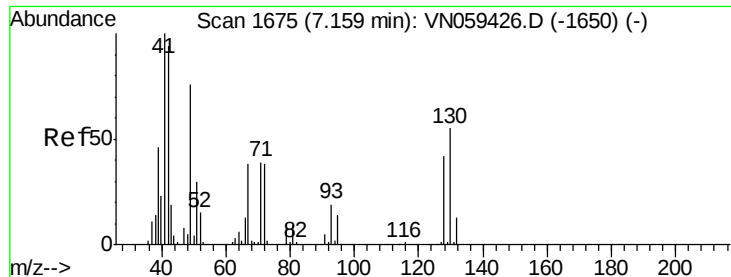
Tgt Ion: 83 Resp: 1062484
Ion Ratio Lower Upper
83 100
55 76.1 61.6 92.4
98 44.4 35.7 53.5



#40
Benzene
Concen: 161.021 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Tgt Ion: 78 Resp: 2473410
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5

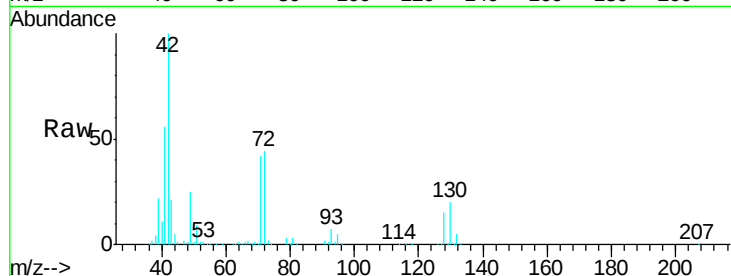




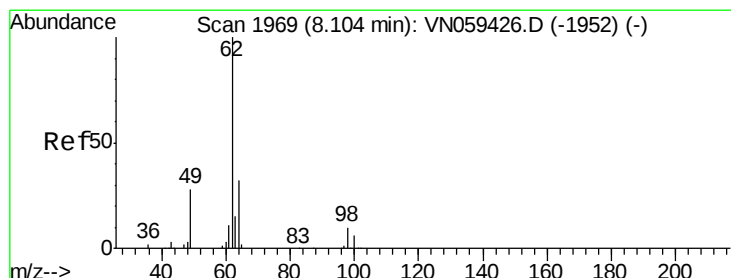
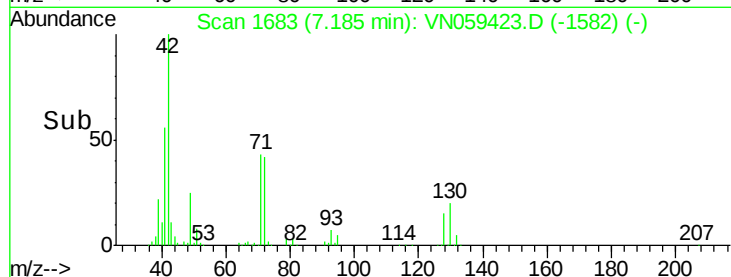
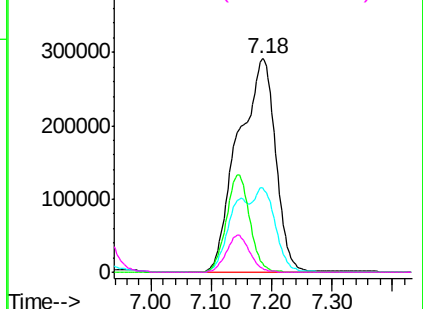
#41
Methacrylonitrile
Concen: 489.869 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 1265985
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

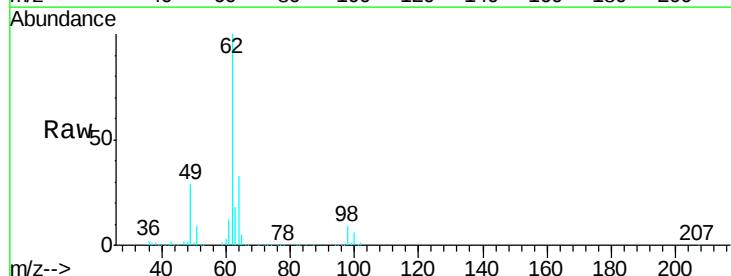


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

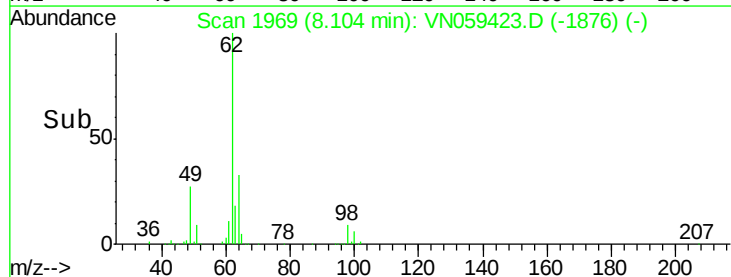
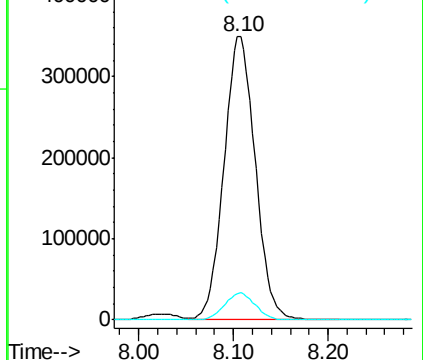


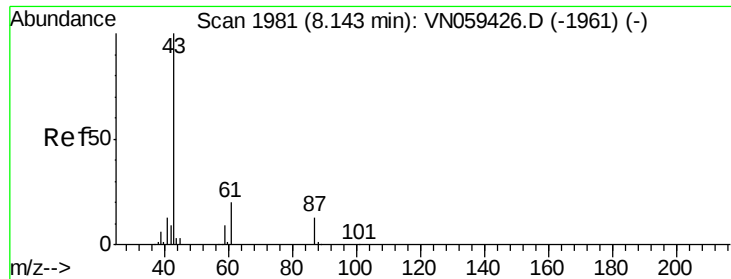
#42
1,2-Dichloroethane
Concen: 164.360 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Tgt Ion: 62 Resp: 800553
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 174.543 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

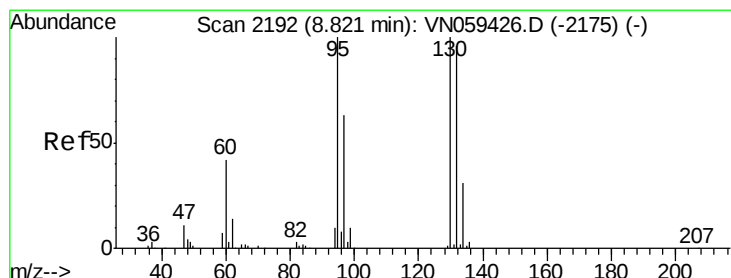
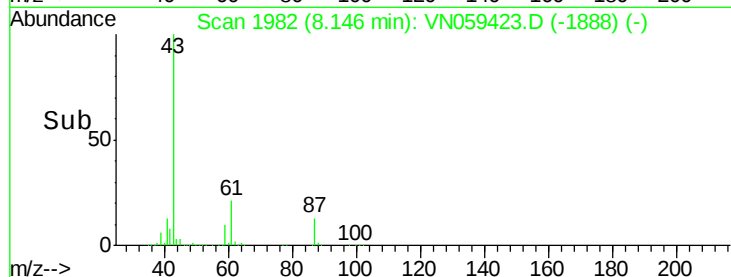
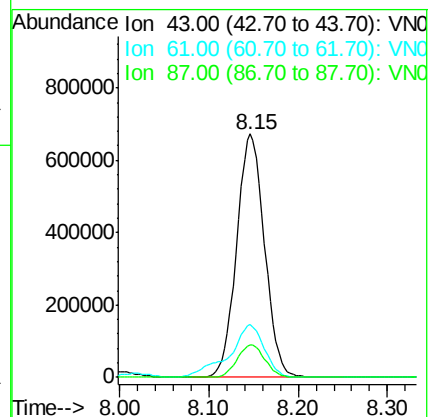
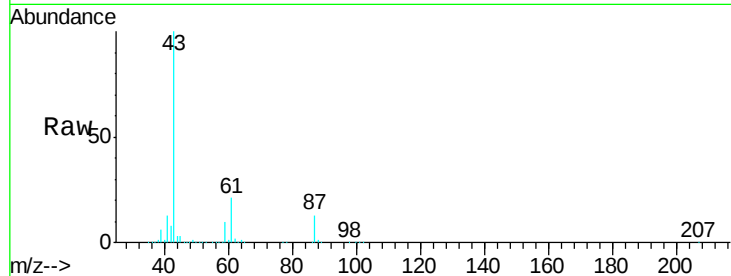
Tgt Ion: 43 Resp: 1451371

Ion Ratio Lower Upper

43 100

61 27.4 22.2 33.2

87 13.4 10.7 16.1



#44

Trichloroethene

Concen: 161.697 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059423.D

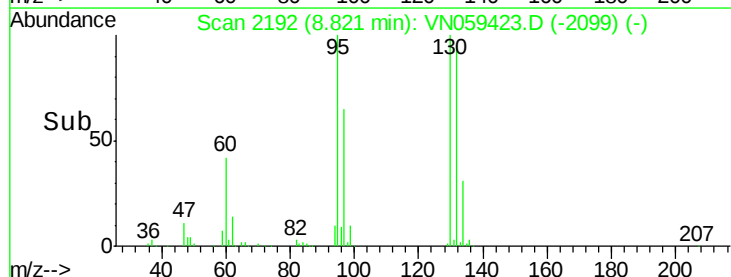
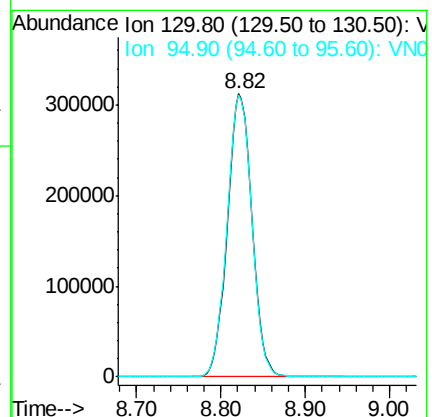
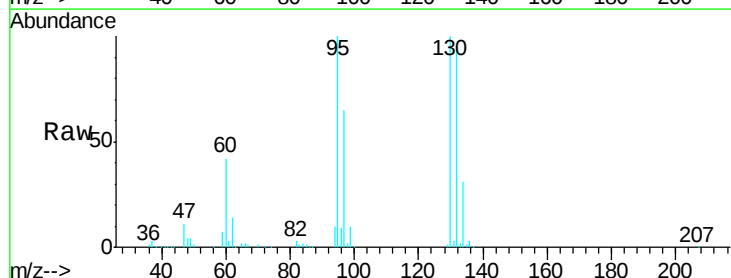
Acq: 27 Nov 2019 14:28

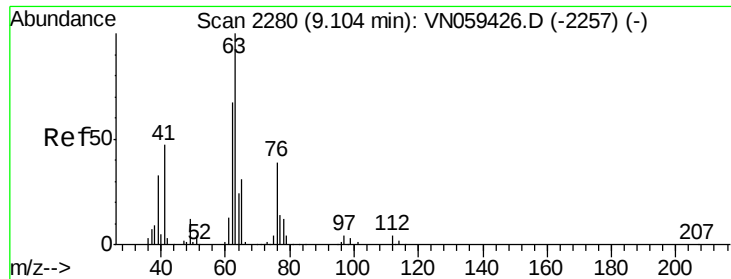
Tgt Ion:130 Resp: 633317

Ion Ratio Lower Upper

130 100

95 99.7 0.0 199.6

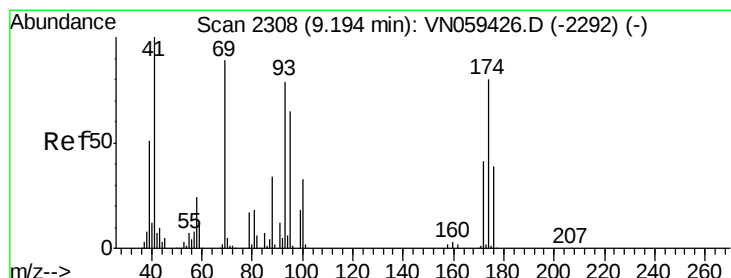
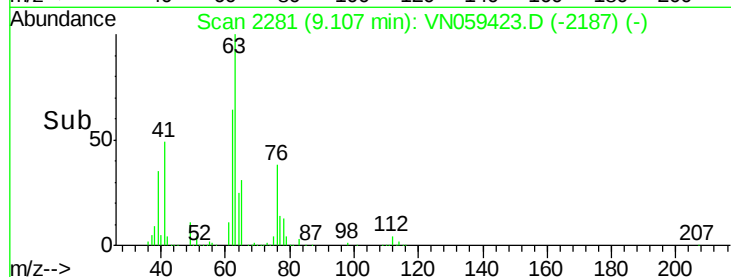
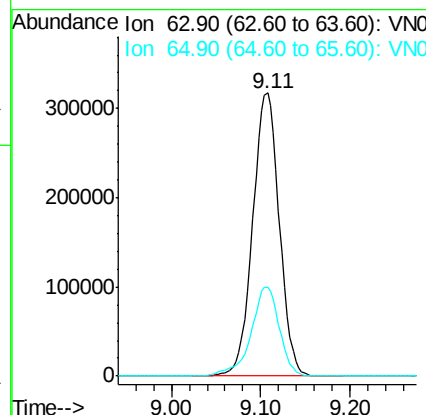
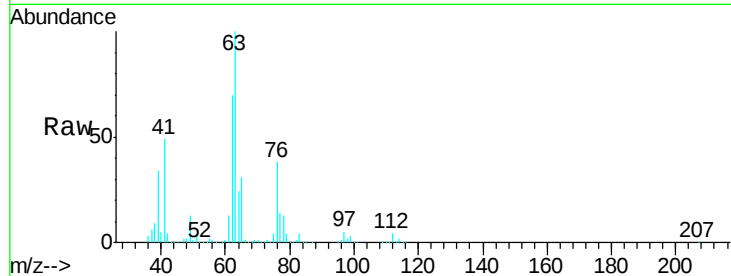




#45
 1,2-Dichloropropane
 Concen: 164.301 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

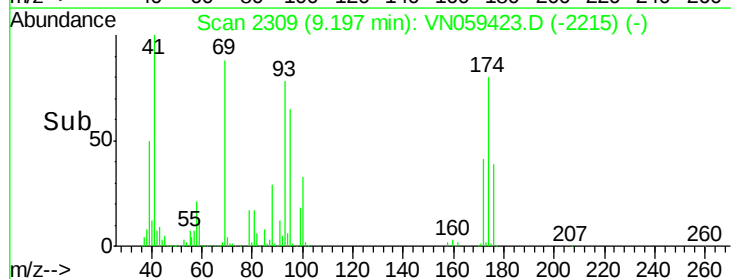
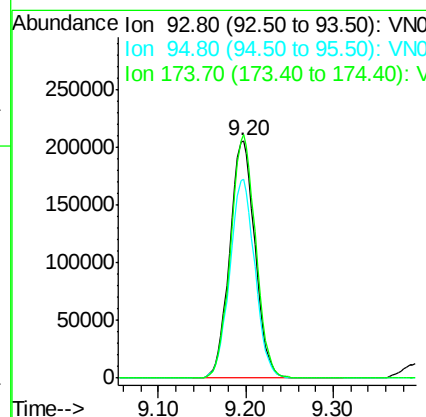
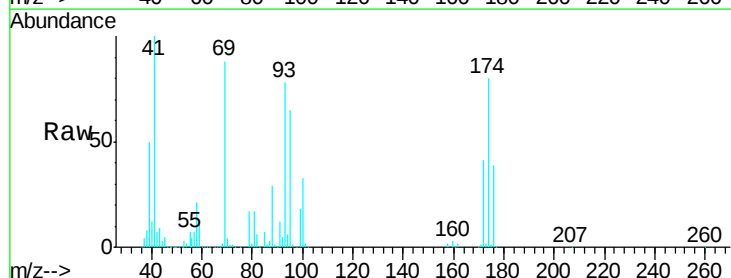
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

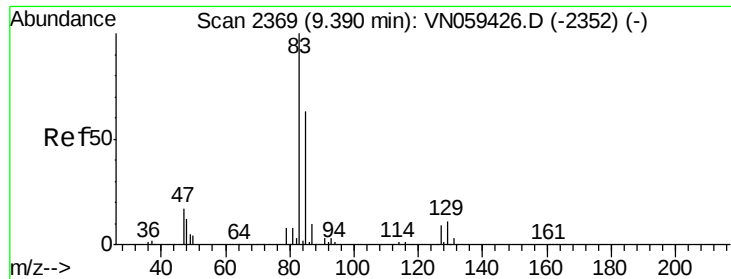
Tgt Ion: 63 Resp: 660141
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 36.8



#46
 Dibromomethane
 Concen: 166.175 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Tgt Ion: 93 Resp: 412025
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.2 99.4
 174 101.5 81.8 122.8





#47

Bromodichloromethane

Concen: 166.347 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

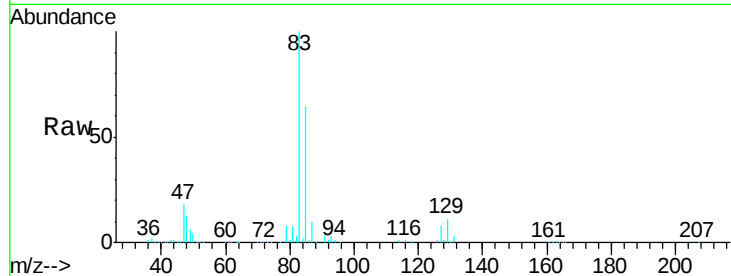
Tgt Ion: 83 Resp: 834208

Ion Ratio Lower Upper

83 100

85 64.4 50.6 75.8

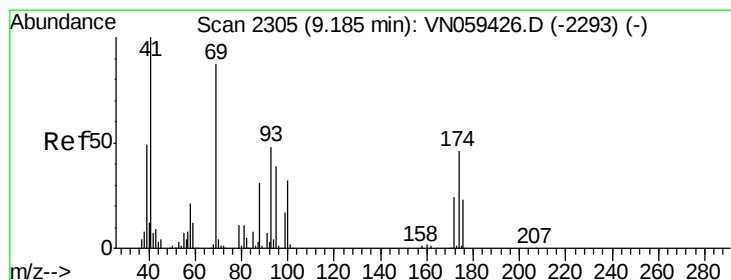
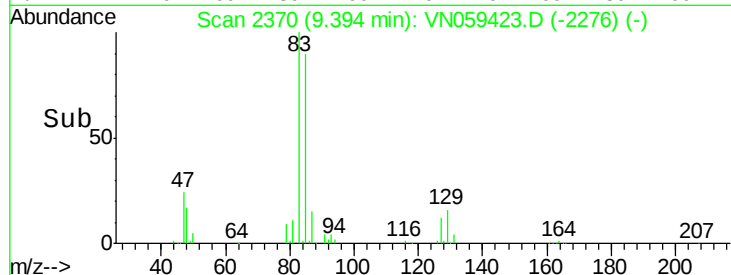
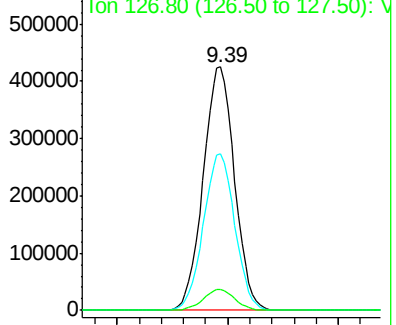
127 8.5 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN059423.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059423.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059423.D (-2276) (-)



#48

Methyl methacrylate

Concen: 178.195 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

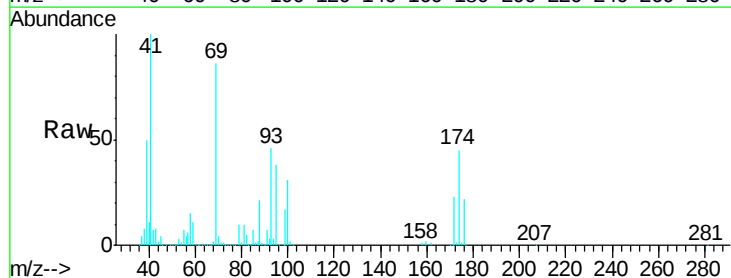
Tgt Ion: 41 Resp: 657385

Ion Ratio Lower Upper

41 100

69 89.1 71.6 107.4

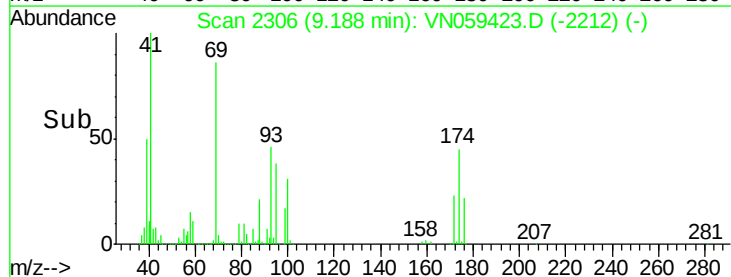
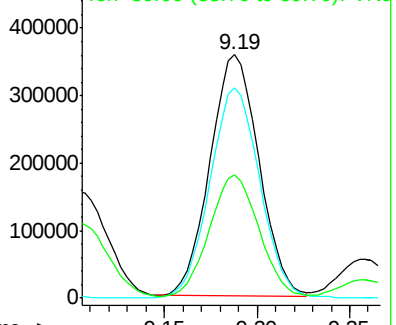
39 50.2 41.3 61.9

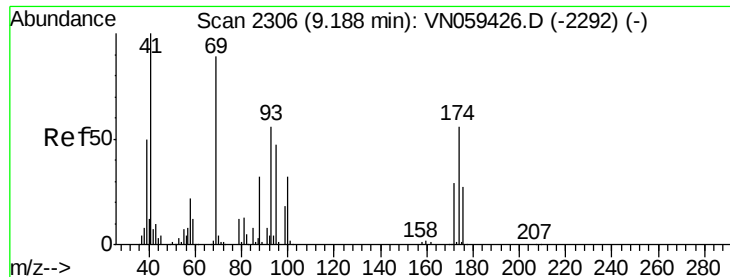


Abundance Ion 41.00 (40.70 to 41.70): VN059423.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059423.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059423.D (-2212) (-)





#49

1,4-Dioxane

Concen: 3370.846 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

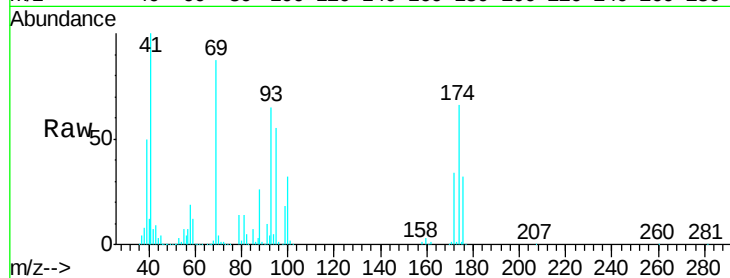
Tgt Ion: 88 Resp: 181619

Ion Ratio Lower Upper

88 100

43 30.9 23.7 35.5

58 68.5 56.3 84.5

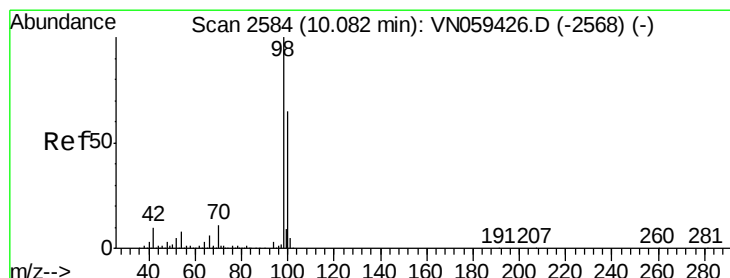
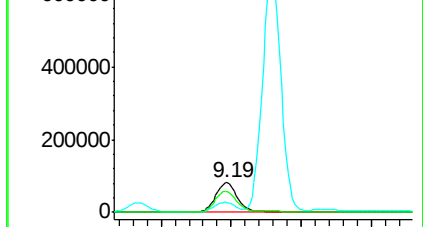
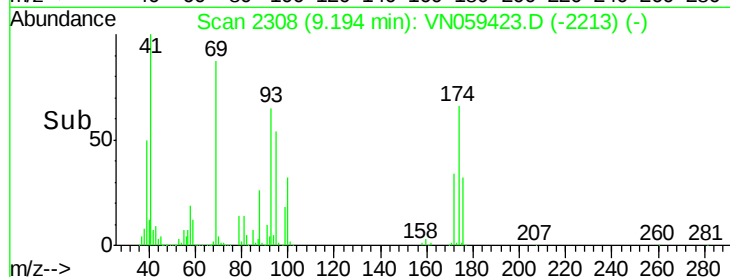


Abundance Ion 88.00 (87.70 to 88.70): VN059423.D (-2213) (-)

Ion 43.00 (42.70 to 43.70): VN059423.D (-2213) (-)

Ion 58.00 (57.70 to 58.70): VN059423.D (-2213) (-)

Time-->



#50

Toluene-d8

Concen: 155.374 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059423.D

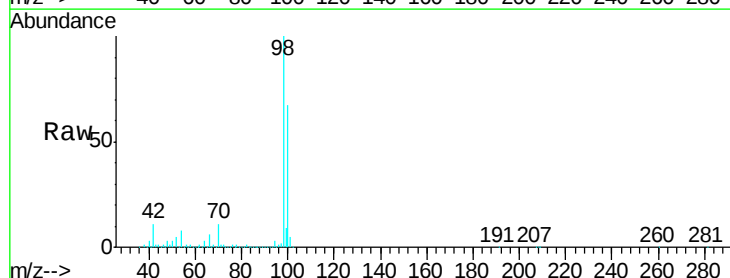
Acq: 27 Nov 2019 14:28

Tgt Ion: 98 Resp: 2028701

Ion Ratio Lower Upper

98 100

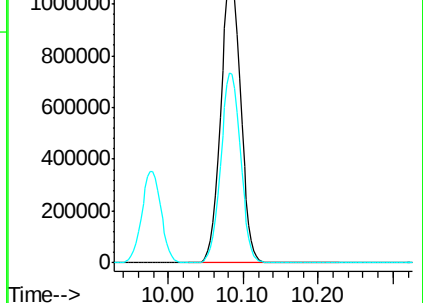
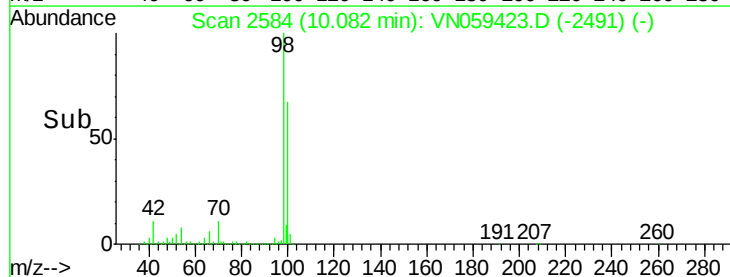
100 66.1 52.2 78.2

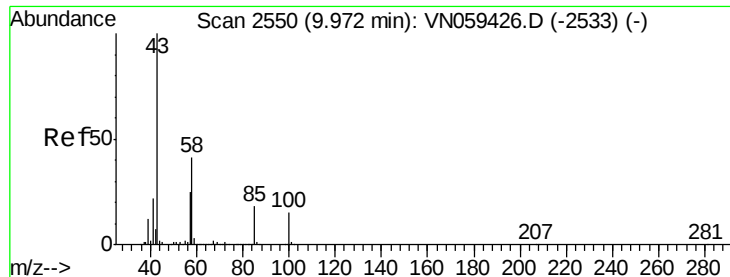


Abundance Ion 98.00 (97.70 to 98.70): VN059423.D (-2491) (-)

Ion 100.00 (99.70 to 100.70): VN059423.D (-2491) (-)

Time-->

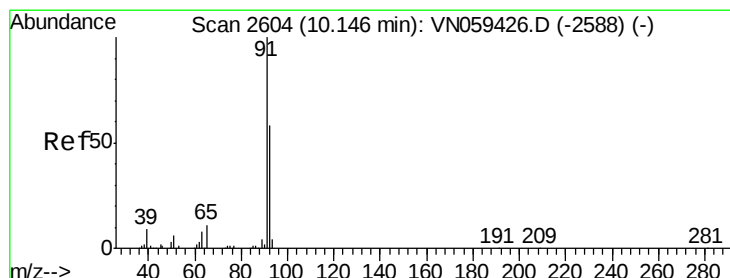
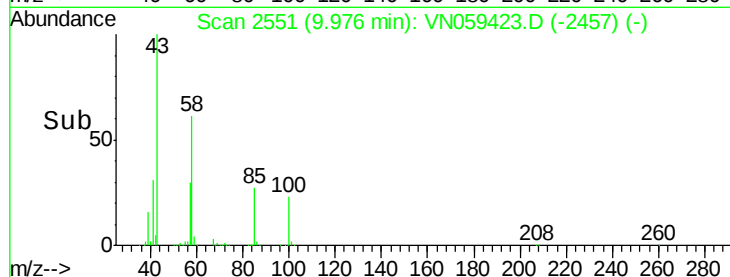
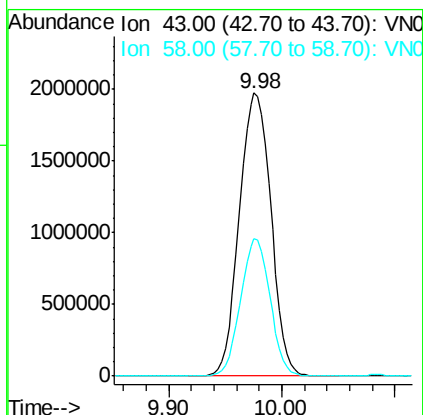
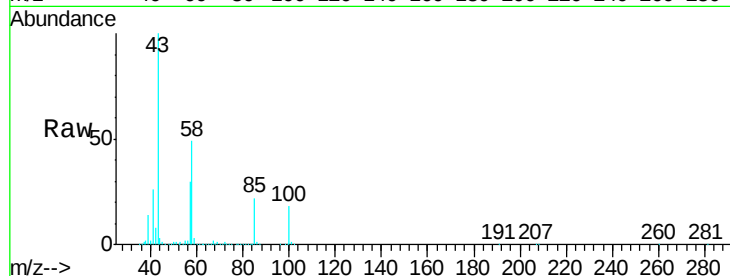




#51
 4-Methyl-2-Pentanone
 Concen: 799.100 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

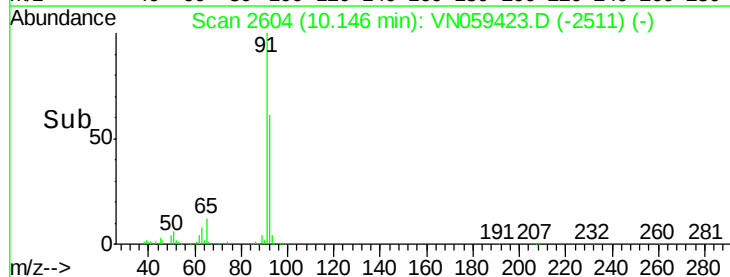
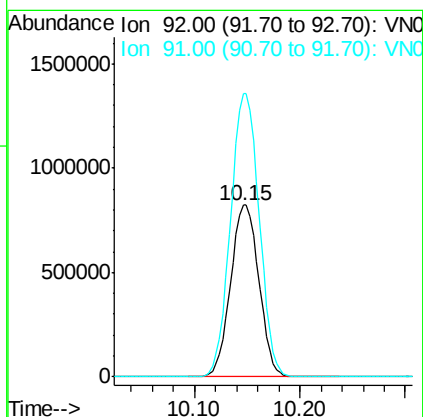
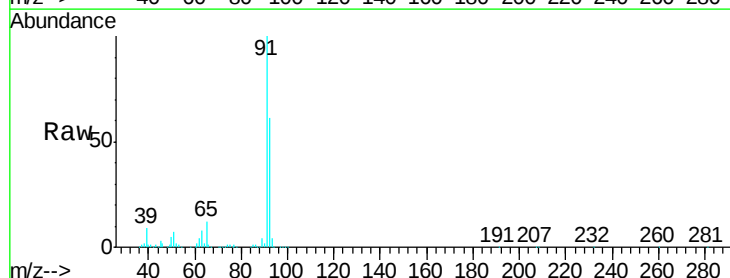
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

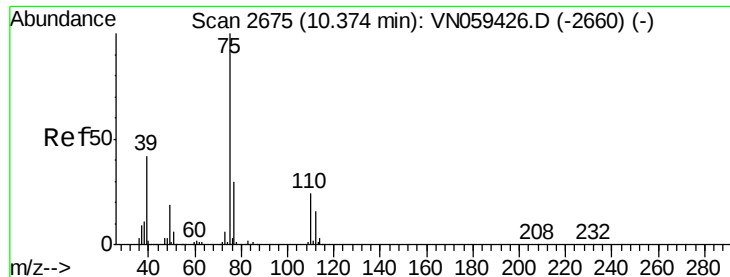
Tgt Ion: 43 Resp: 3854183
 Ion Ratio Lower Upper
 43 100
 58 45.2 32.5 48.7



#52
 Toluene
 Concen: 166.166 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Tgt Ion: 92 Resp: 1524894
 Ion Ratio Lower Upper
 92 100
 91 167.2 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 173.217 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

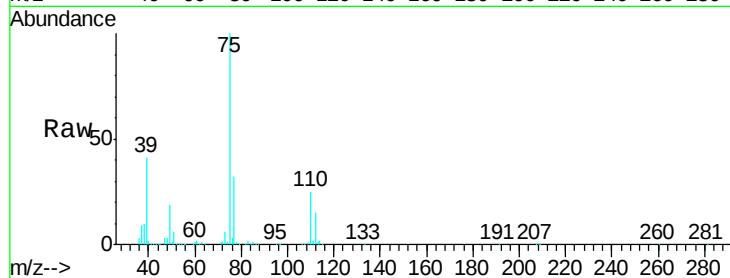
VSTDIC150

Tgt Ion: 75 Resp: 998150

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

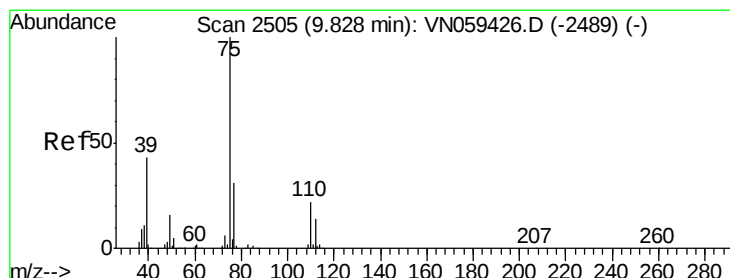
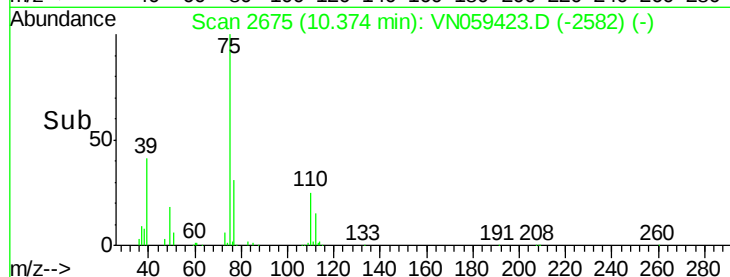
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 173.853 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

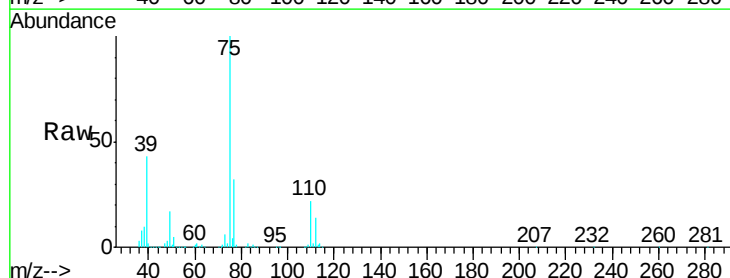
Tgt Ion: 75 Resp: 1081460

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 42.7 34.0 51.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

800000

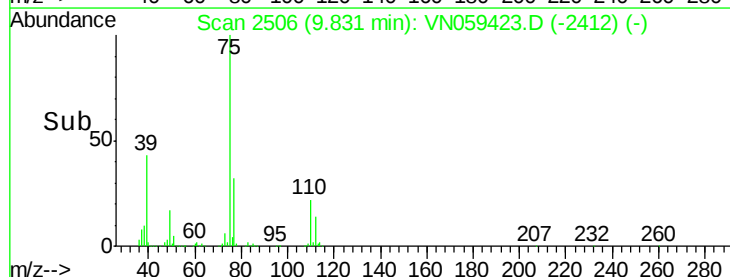
600000

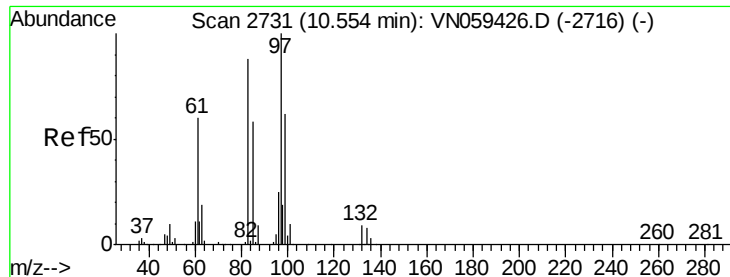
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 163.631 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 587752

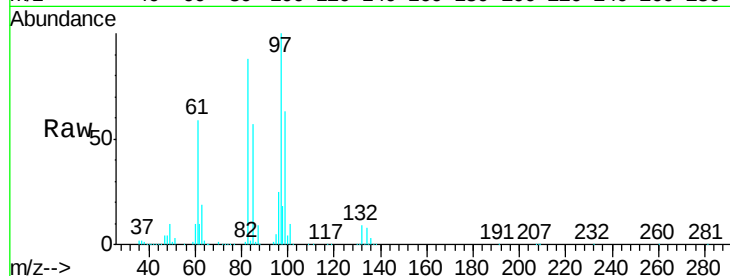
Ion Ratio Lower Upper

97 100

83 88.2 70.7 106.1

85 57.0 46.4 69.6

99 62.7 49.6 74.4

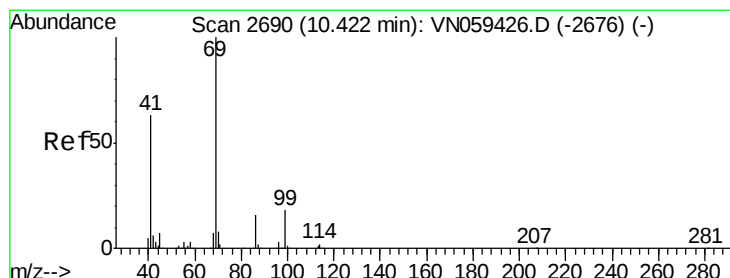
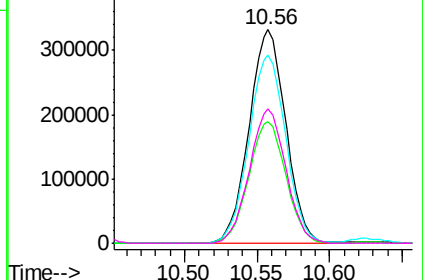
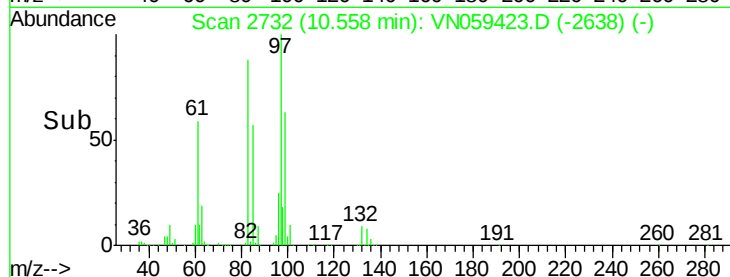


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 188.741 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

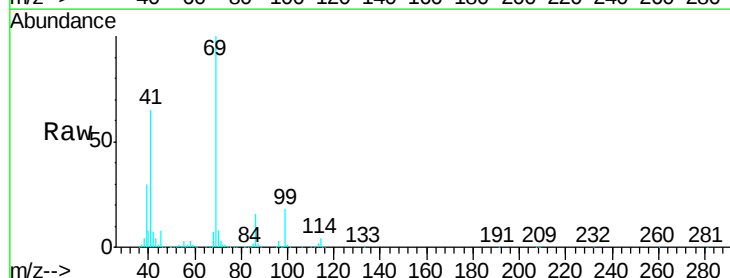
Tgt Ion: 69 Resp: 988883

Ion Ratio Lower Upper

69 100

41 63.6 50.1 75.1

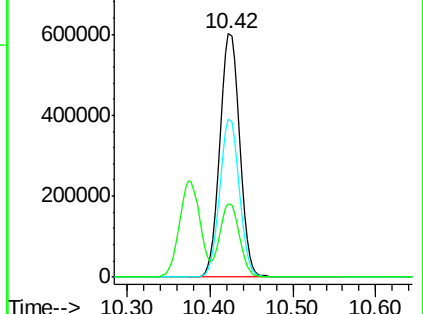
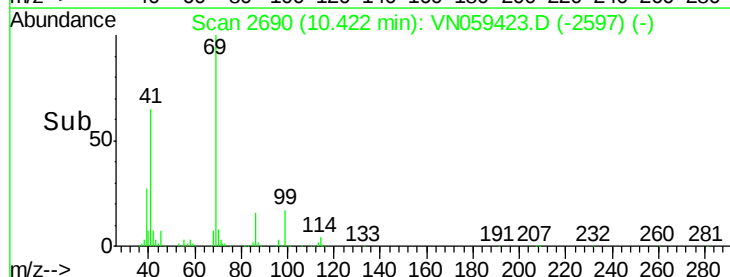
39 30.0 23.9 35.9

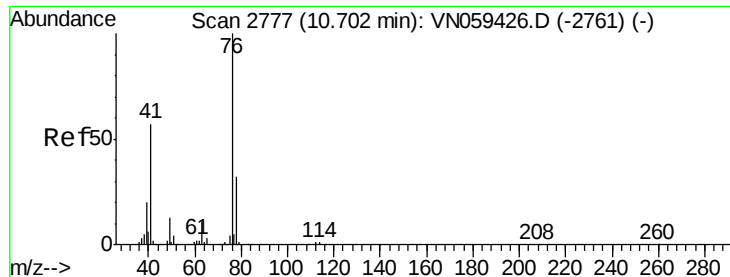


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 166.252 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

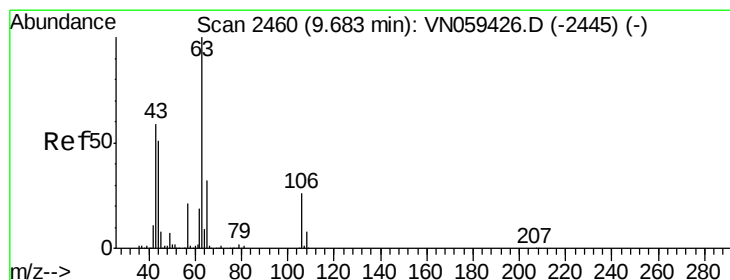
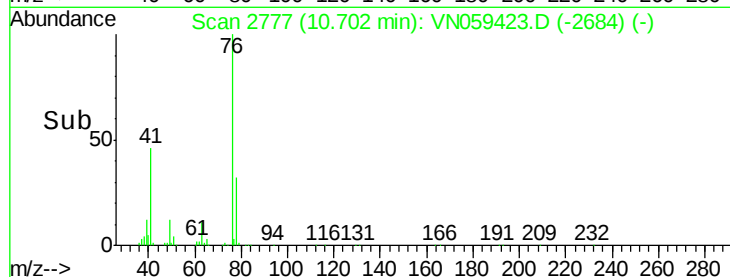
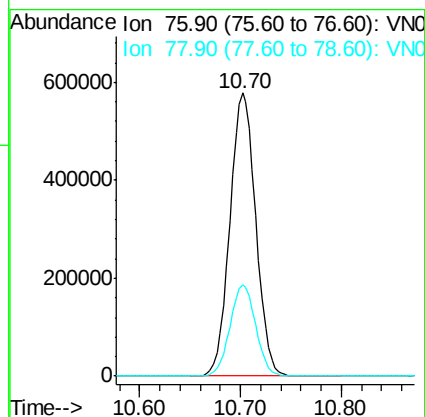
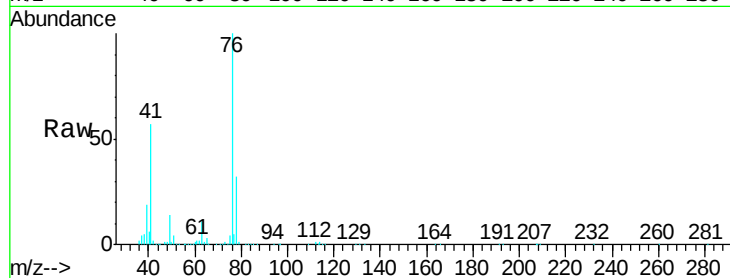
VSTDIC150

Tgt Ion: 76 Resp: 1032117

Ion Ratio Lower Upper

76 100

78 32.2 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 1306.777 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059423.D

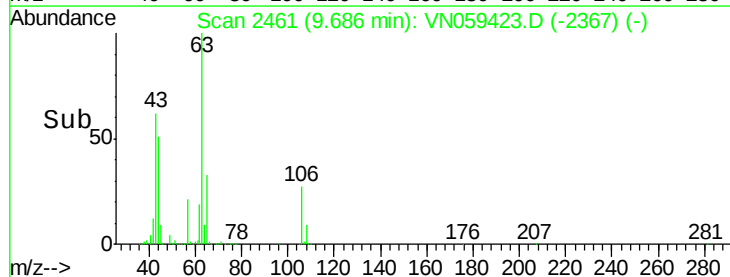
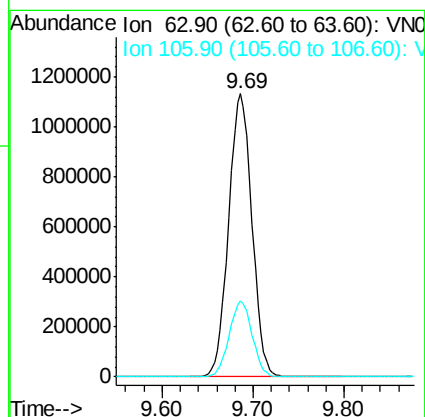
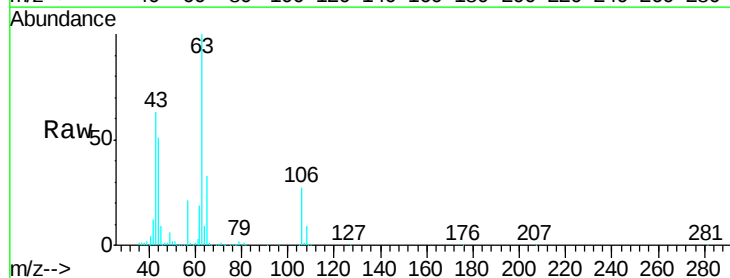
Acq: 27 Nov 2019 14:28

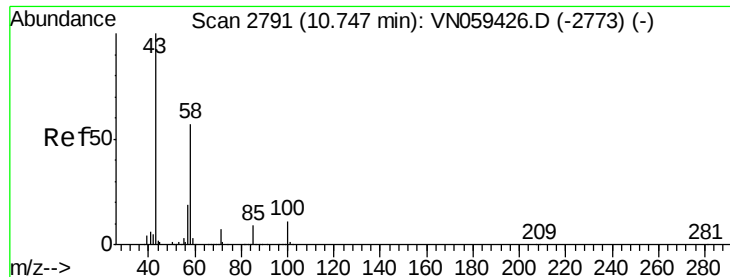
Tgt Ion: 63 Resp: 2011168

Ion Ratio Lower Upper

63 100

106 26.5 20.9 31.3

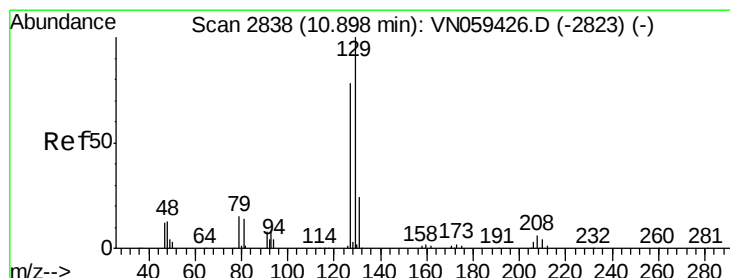
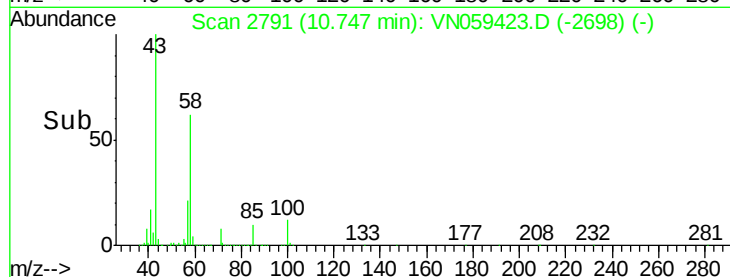
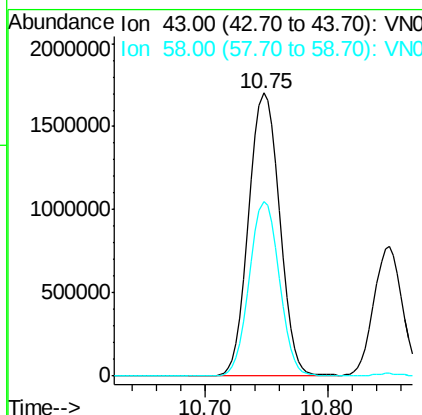
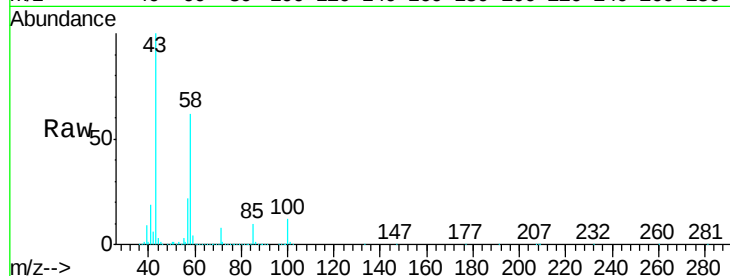




#59
2-Hexanone
Concen: 834.748 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

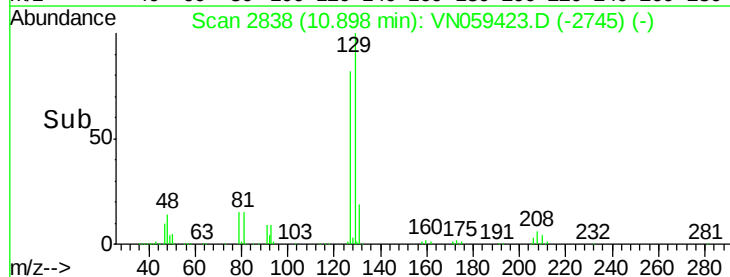
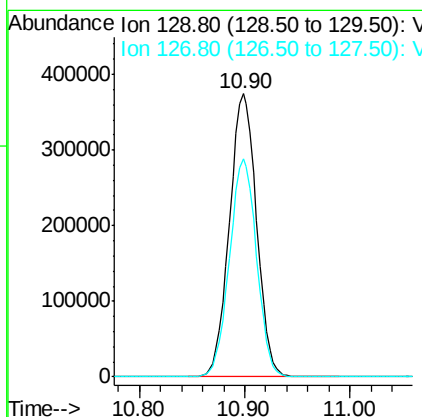
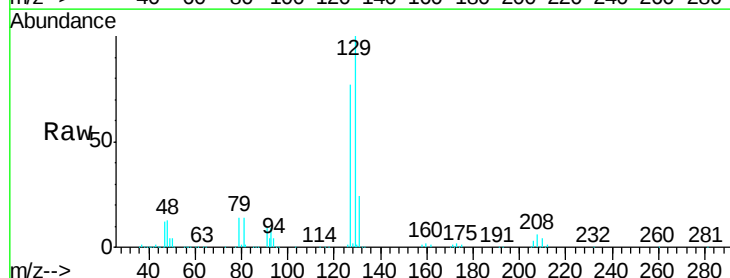
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

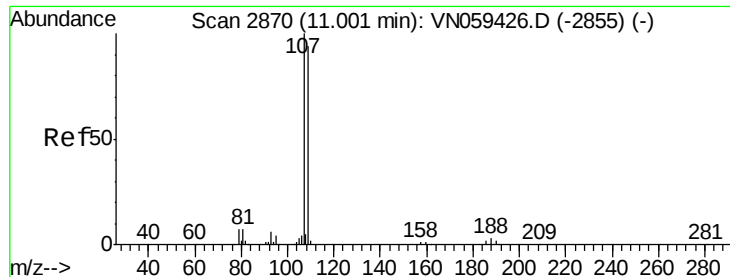
Tgt Ion: 43 Resp: 2985443
Ion Ratio Lower Upper
43 100
58 59.8 28.3 85.0



#60
Dibromochloromethane
Concen: 177.242 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Tgt Ion: 129 Resp: 664554
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0

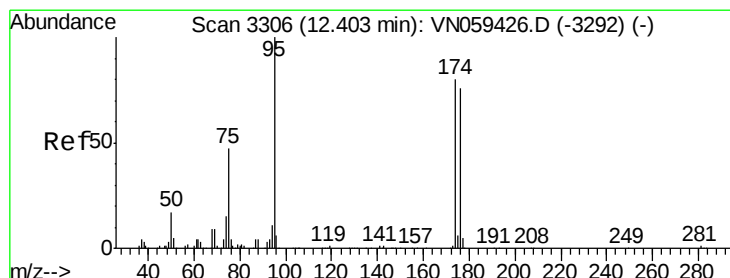
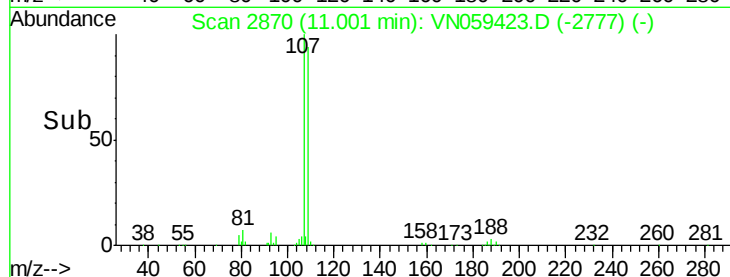
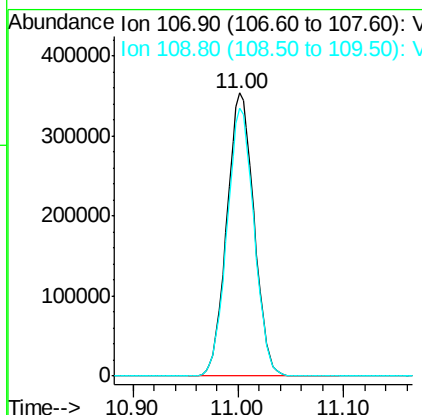
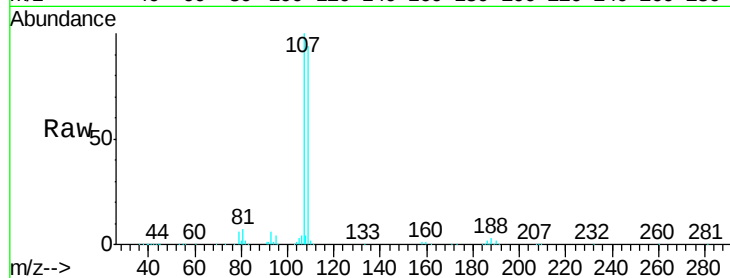




#61
 1,2-Dibromoethane
 Concen: 170.801 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

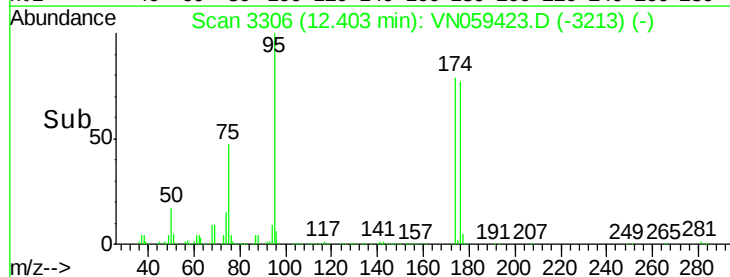
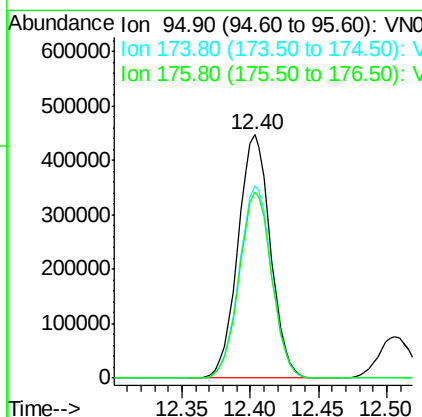
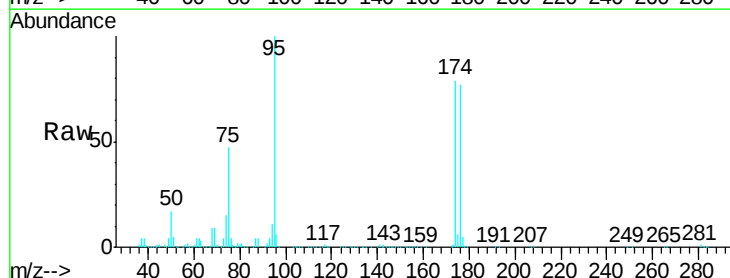
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

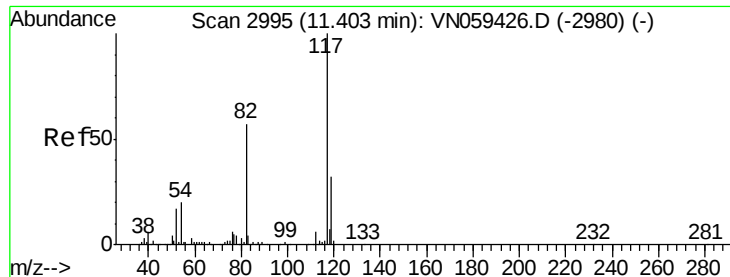
Tgt Ion: 107 Resp: 628671
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 162.423 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Tgt Ion: 95 Resp: 738410
 Ion Ratio Lower Upper
 95 100
 174 79.2 0.0 158.0
 176 76.7 0.0 153.0

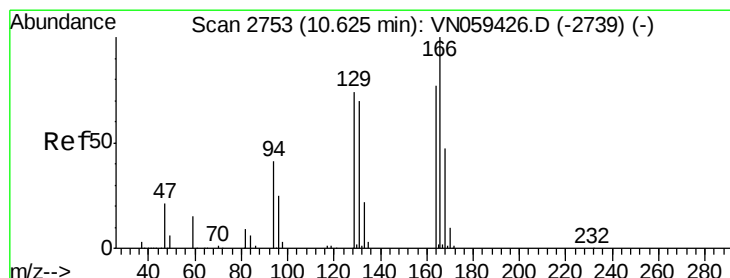
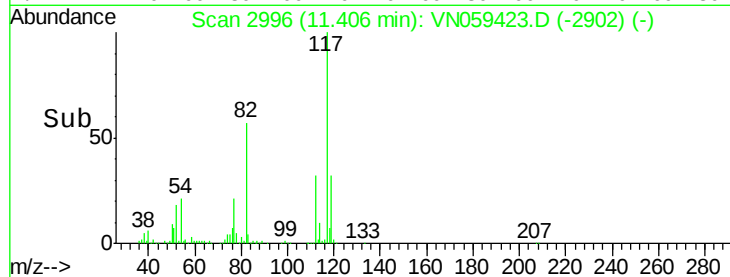
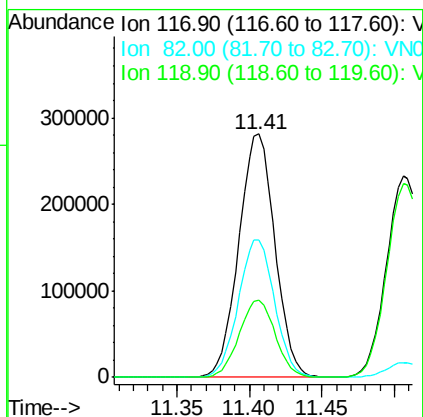
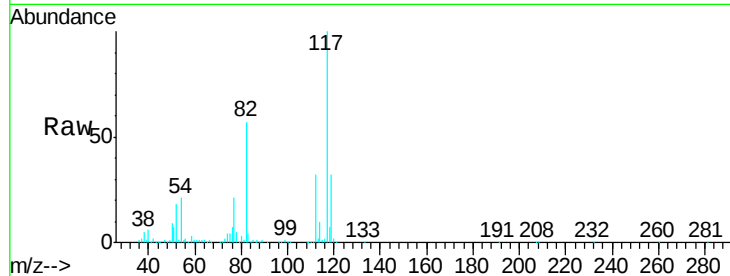




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

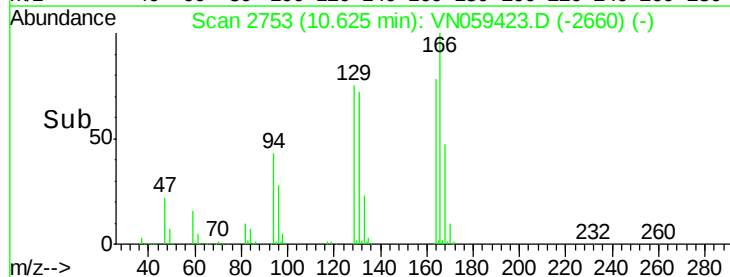
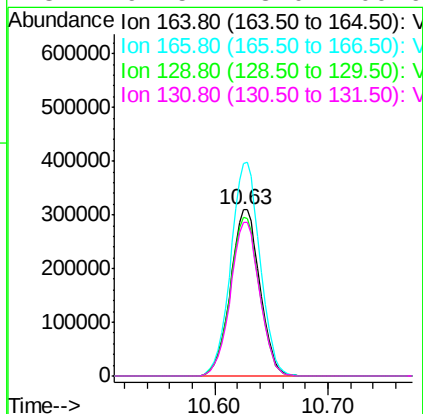
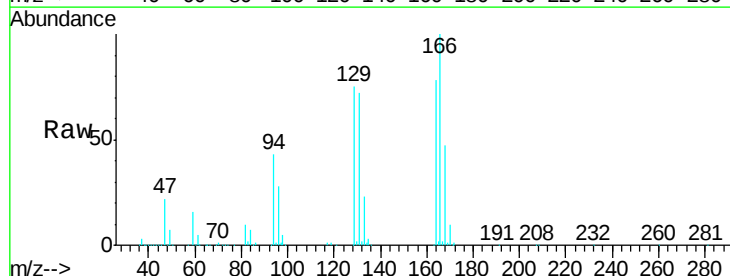
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

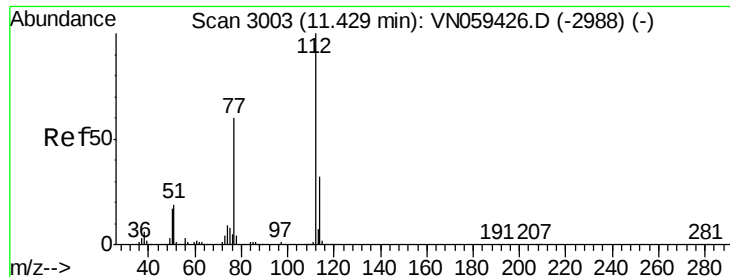
Tgt Ion:117 Resp: 488683
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.0
119 31.6 25.6 38.4



#64
Tetrachloroethene
Concen: 154.179 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Tgt Ion:164 Resp: 557287
Ion Ratio Lower Upper
164 100
166 127.9 104.2 156.4
129 95.6 76.8 115.2
131 92.5 73.0 109.6





#65

Chlorobenzene

Concen: 160.564 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampled :

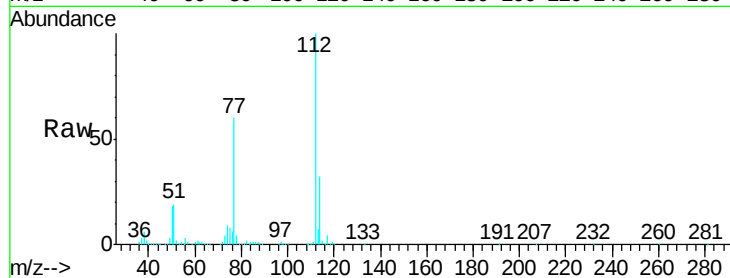
VSTDIC150

Tgt Ion:112 Resp: 1588493

Ion Ratio Lower Upper

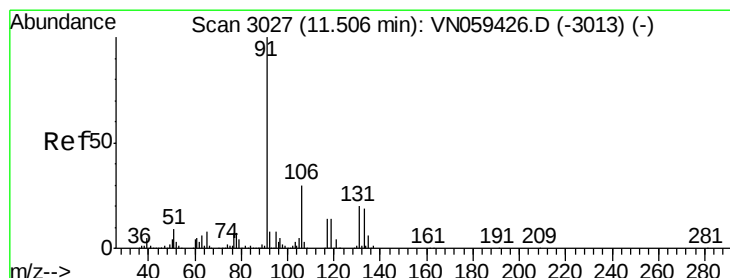
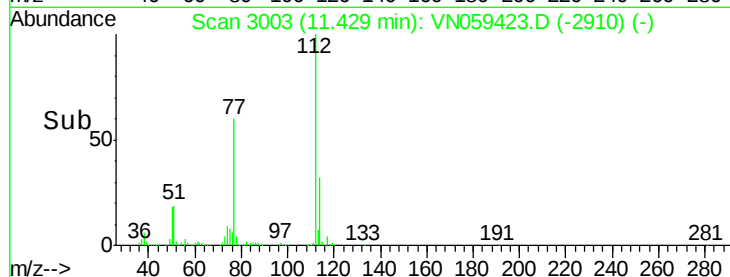
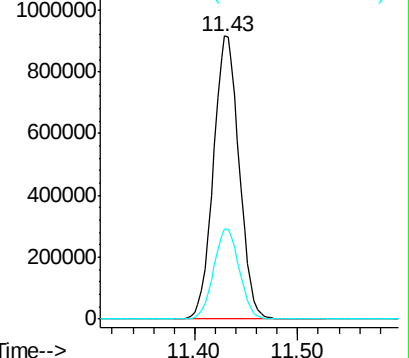
112 100

114 32.0 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 164.663 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

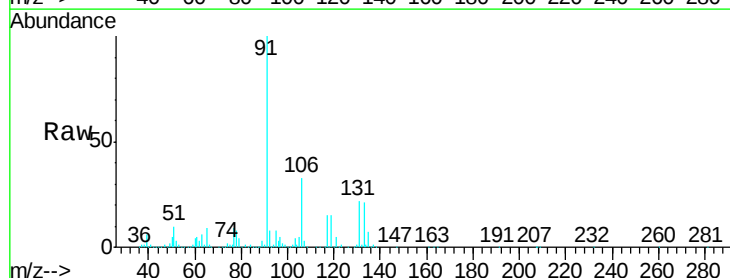
Tgt Ion:131 Resp: 590753

Ion Ratio Lower Upper

131 100

133 96.3 48.2 144.6

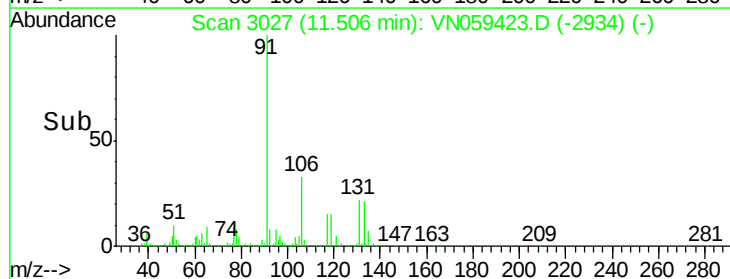
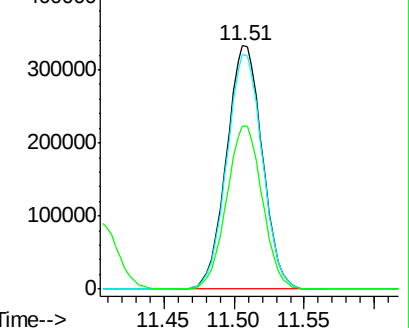
119 66.9 33.8 101.3

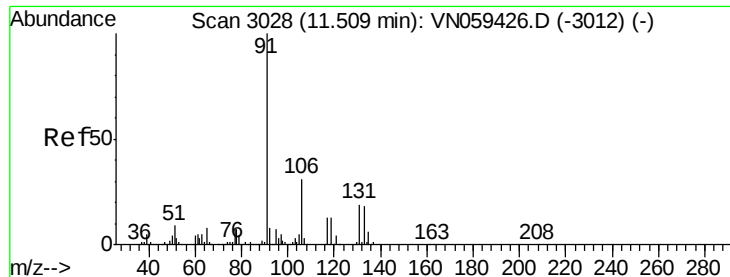


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 159.990 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

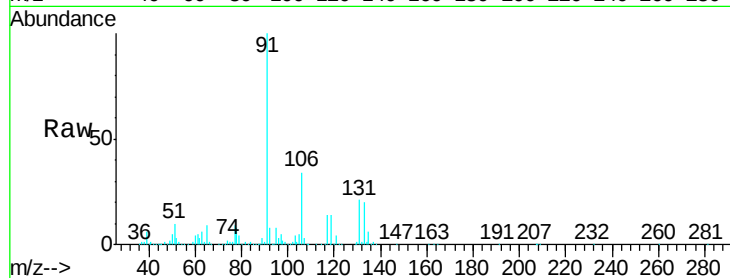
VSTDIC150

Tgt Ion: 91 Resp: 2780155

Ion Ratio Lower Upper

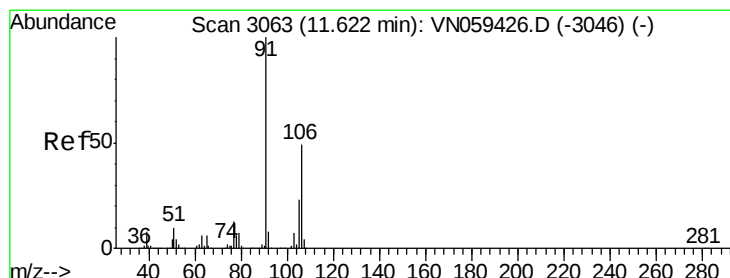
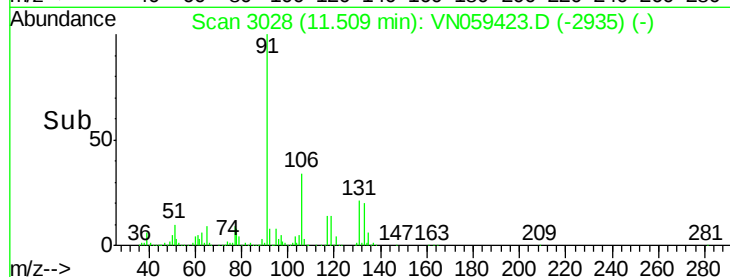
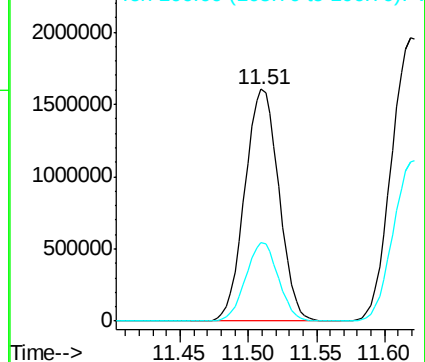
91 100

106 33.7 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 334.591 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059423.D

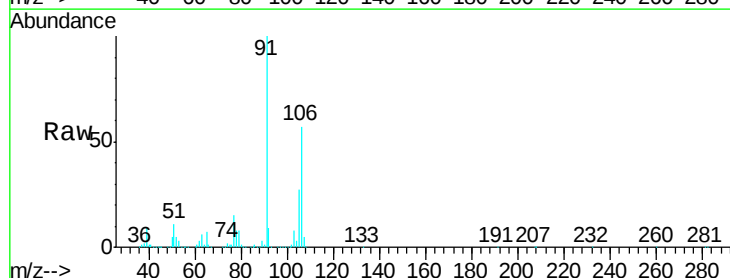
Acq: 27 Nov 2019 14:28

Tgt Ion: 106 Resp: 2170788

Ion Ratio Lower Upper

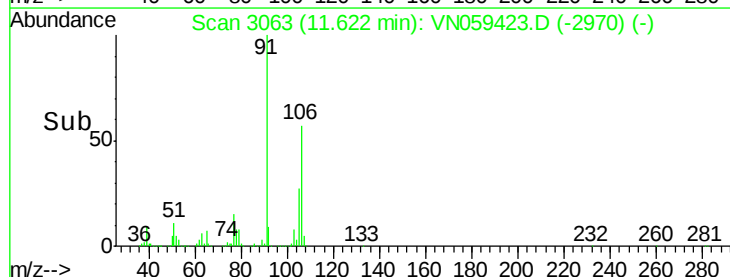
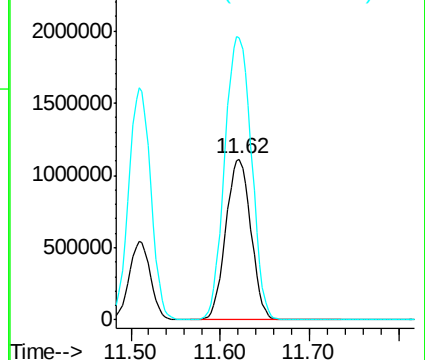
106 100

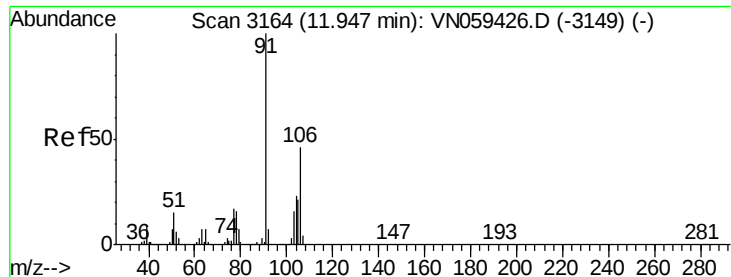
91 187.3 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

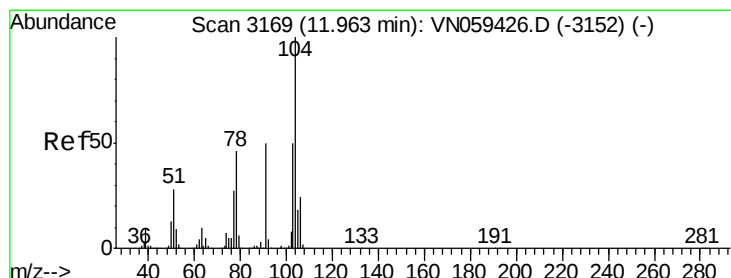
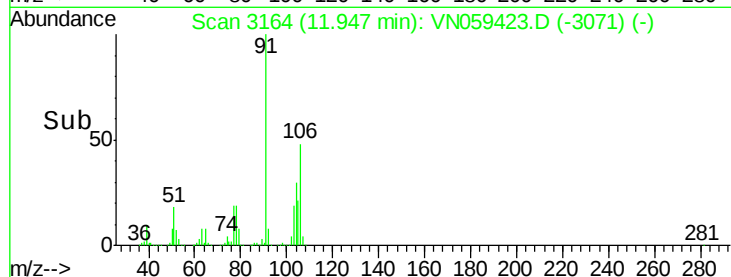
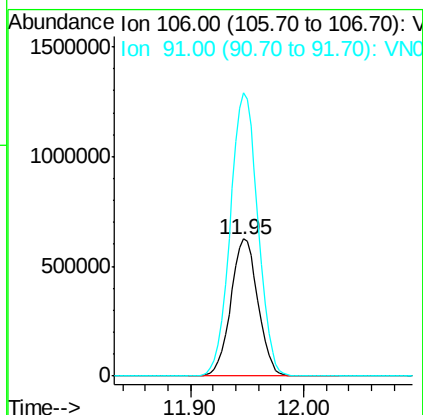
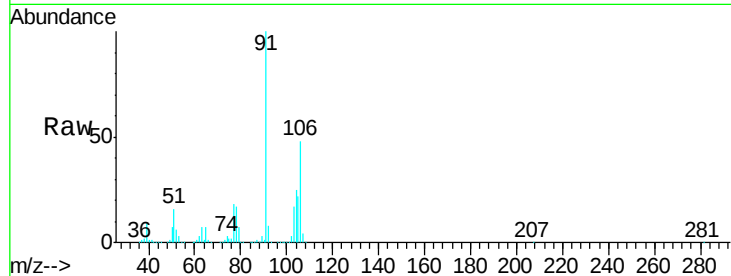




#69
o-Xylene
Concen: 167.467 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

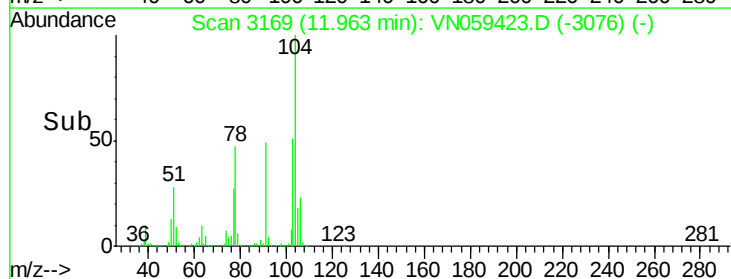
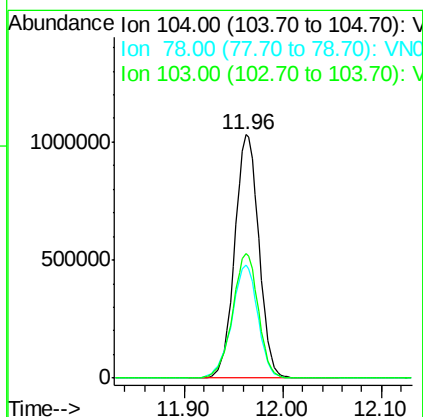
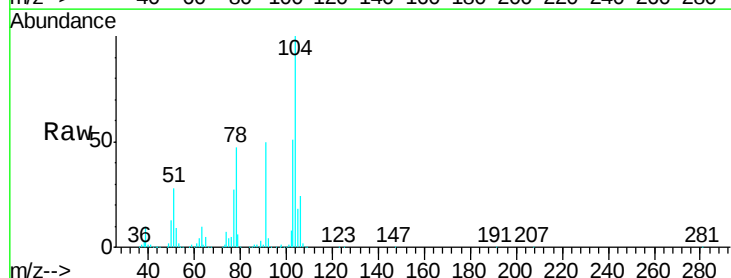
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

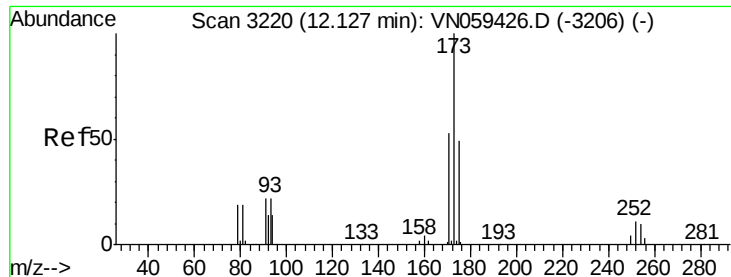
Tgt Ion:106 Resp: 1041999
Ion Ratio Lower Upper
106 100
91 209.7 107.5 322.4



#70
Styrene
Concen: 179.628 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Tgt Ion:104 Resp: 1752167
Ion Ratio Lower Upper
104 100
78 50.3 40.4 60.6
103 54.6 43.8 65.6

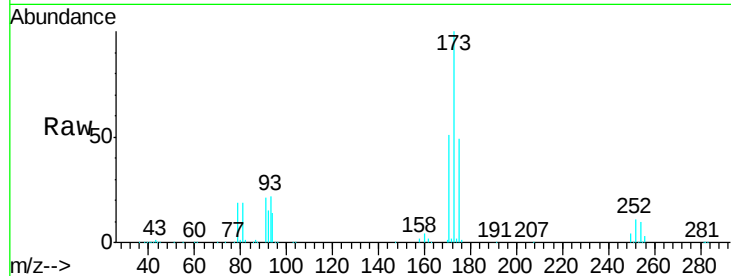




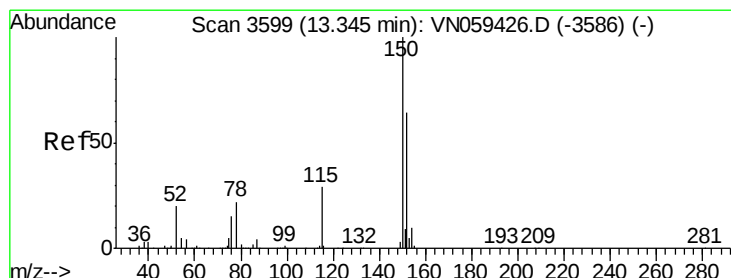
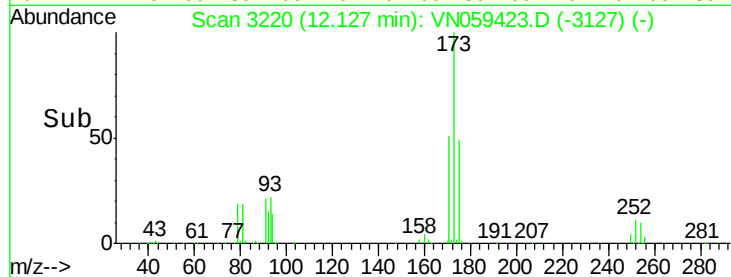
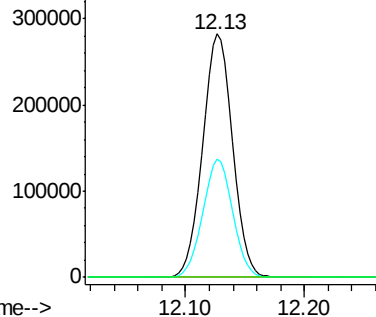
#71
Bromoform
Concen: 179.830 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:173 Resp: 491260
Ion Ratio Lower Upper
173 100
175 48.5 24.1 72.3
254 0.1 0.0 0.0#

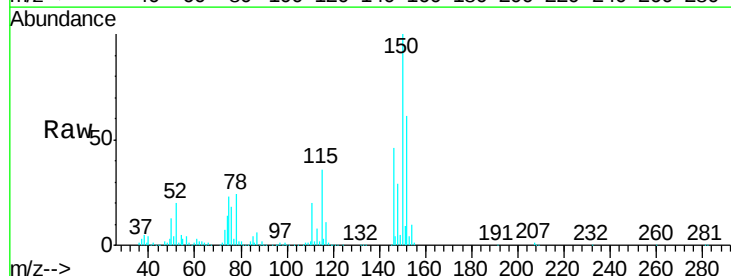


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

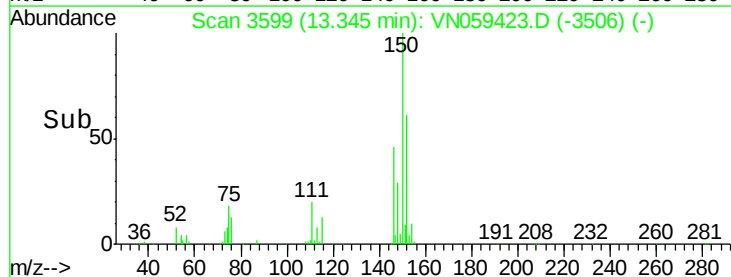
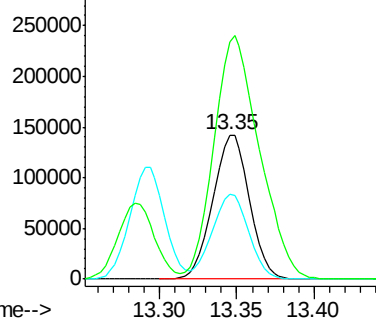


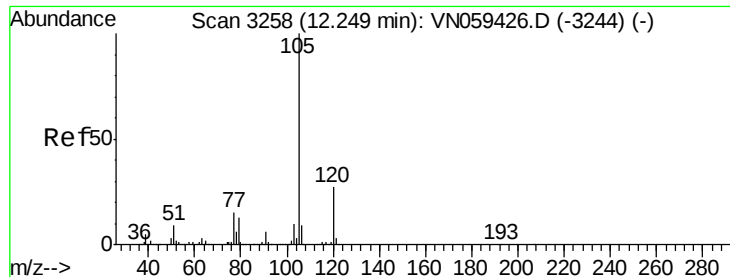
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Tgt Ion:152 Resp: 234315
Ion Ratio Lower Upper
152 100
115 58.8 29.5 88.6
150 208.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 153.737 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

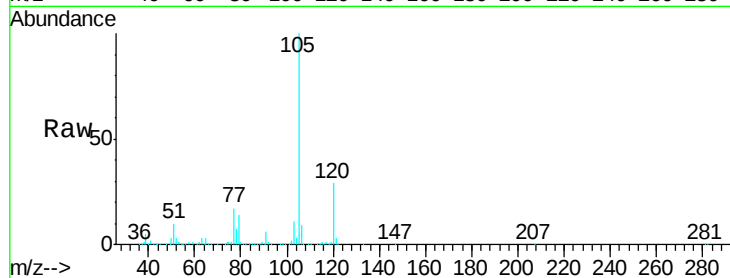
VSTDIC150

Tgt Ion:105 Resp: 2668633

Ion Ratio Lower Upper

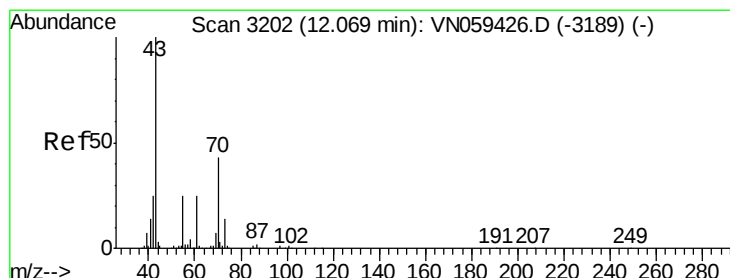
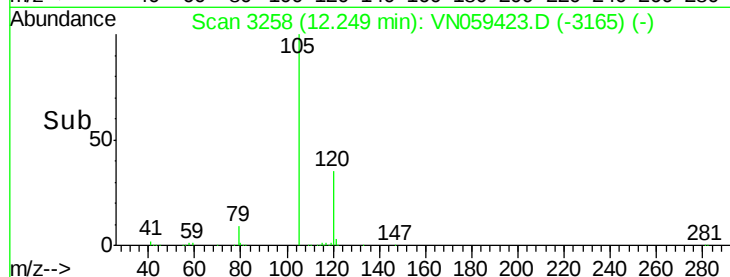
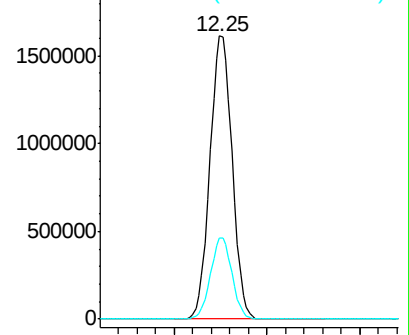
105 100

120 27.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 182.522 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Tgt Ion: 43 Resp: 1191468

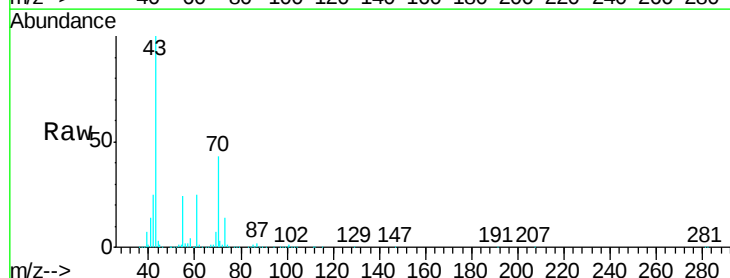
Ion Ratio Lower Upper

43 100

70 43.1 34.6 52.0

55 24.5 20.5 30.7

61 25.3 20.2 30.4

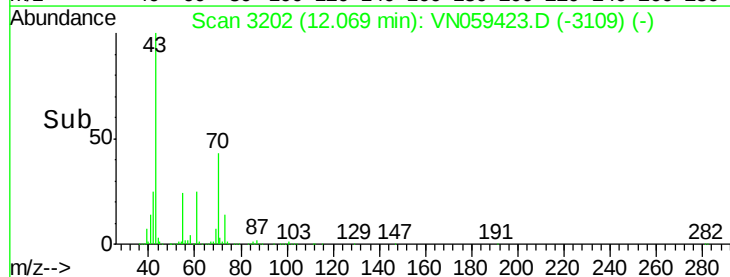
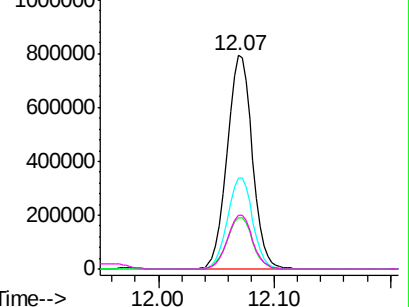


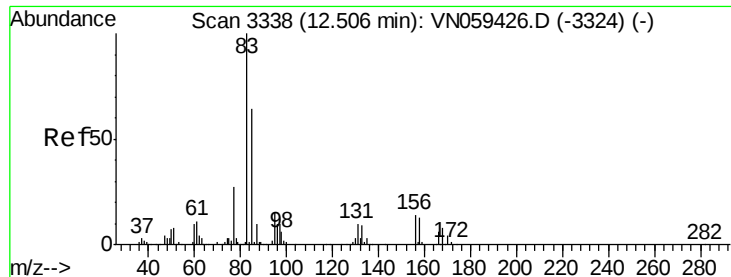
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 152.994 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

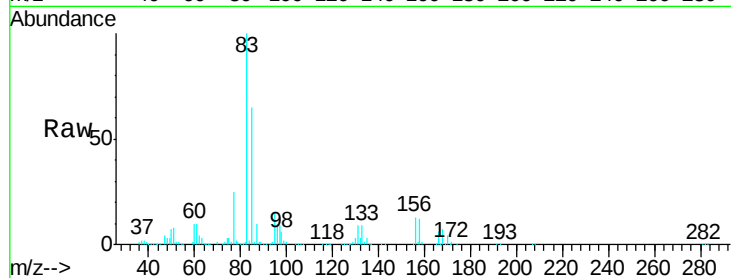
Tgt Ion: 83 Resp: 866058

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

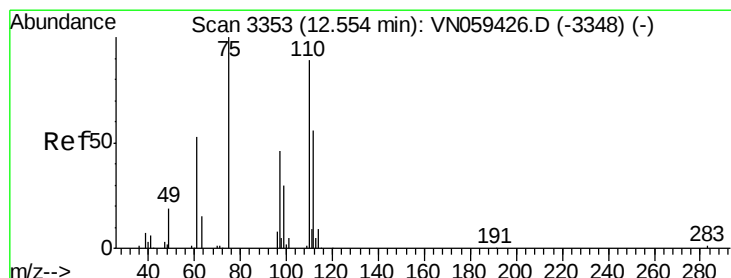
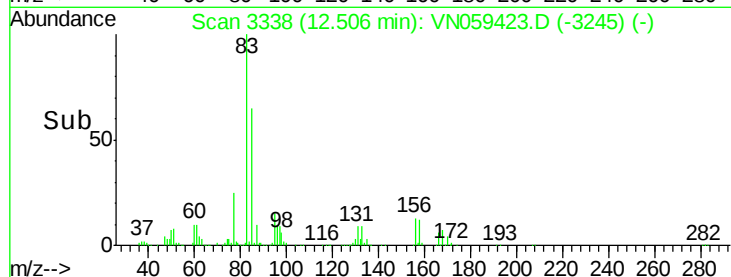
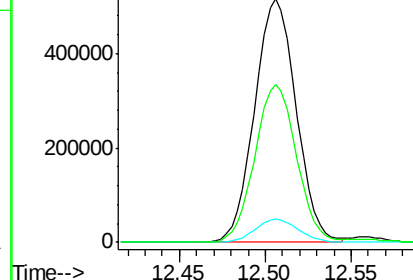
85 64.9 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN059426.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN059426.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN059426.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 220.733 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059423.D

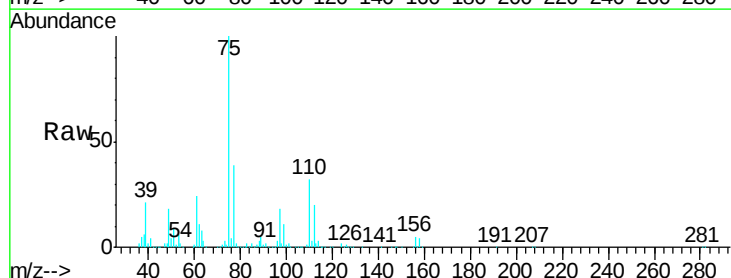
Acq: 27 Nov 2019 14:28

Tgt Ion: 75 Resp: 1194773

Ion Ratio Lower Upper

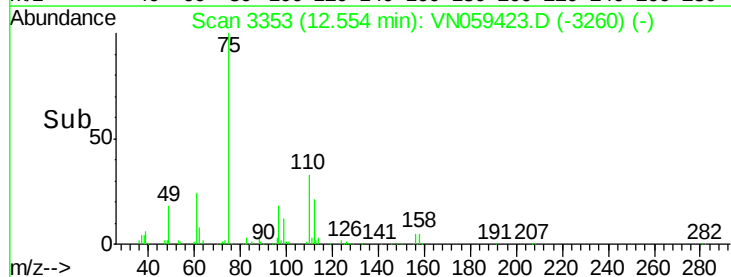
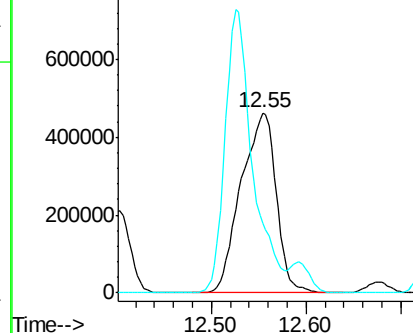
75 100

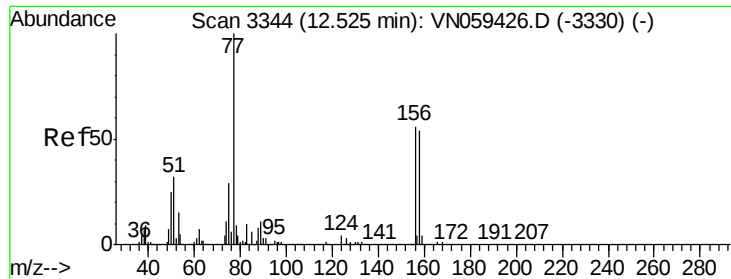
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059426.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN059426.D (-3348) (-)





#77

Bromobenzene

Concen: 158.404 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

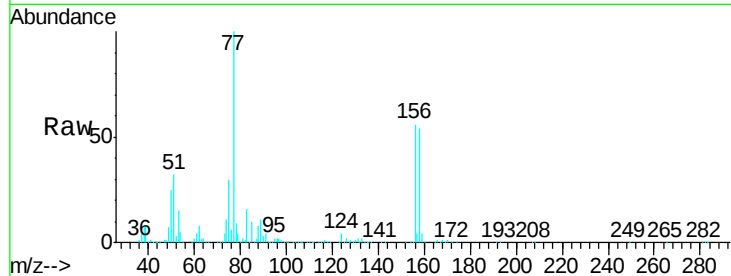
Tgt Ion:156 Resp: 673187

Ion Ratio Lower Upper

156 100

77 218.4 108.7 326.3

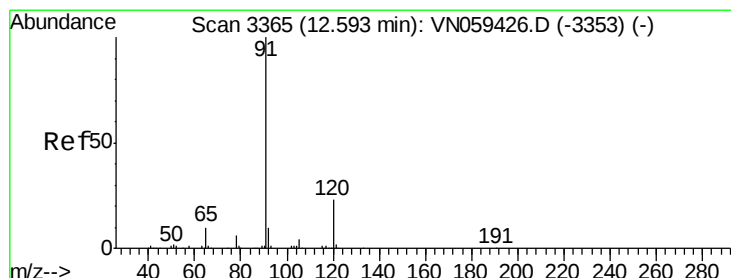
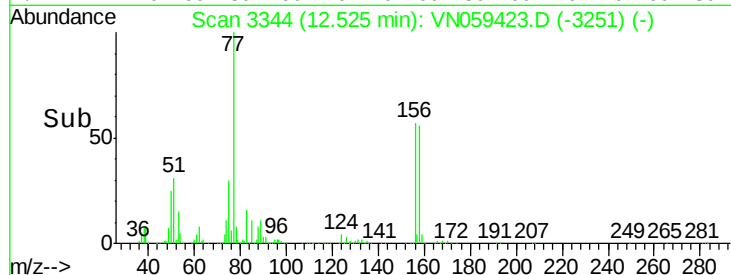
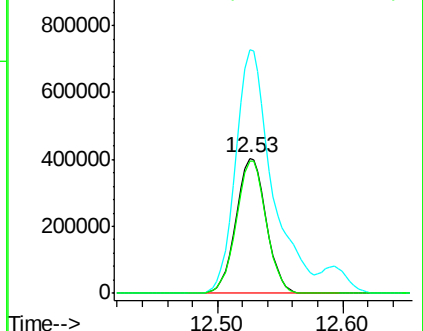
158 97.2 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 154.458 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059423.D

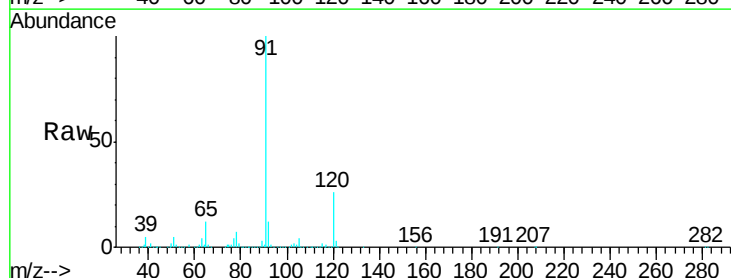
Acq: 27 Nov 2019 14:28

Tgt Ion: 91 Resp: 3089652

Ion Ratio Lower Upper

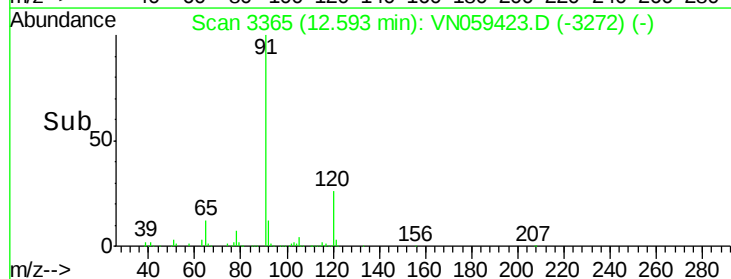
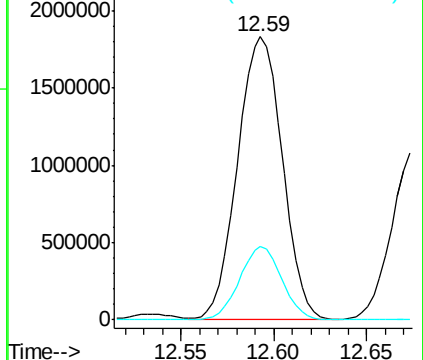
91 100

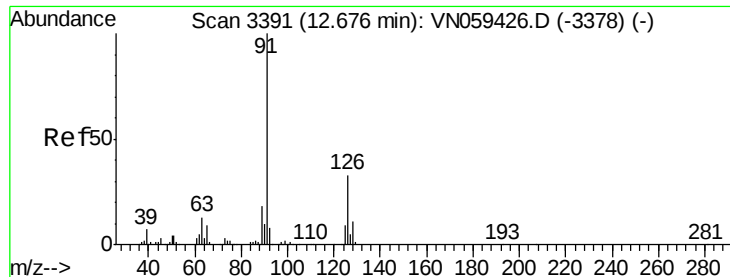
120 24.4 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 157.083 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

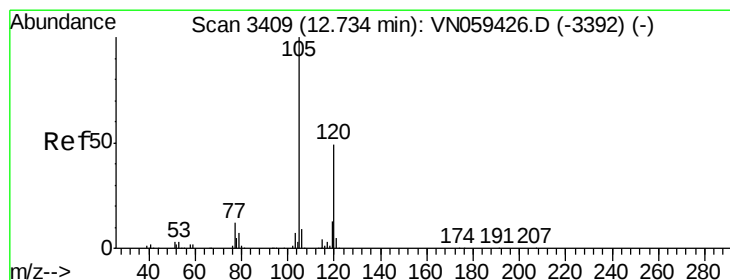
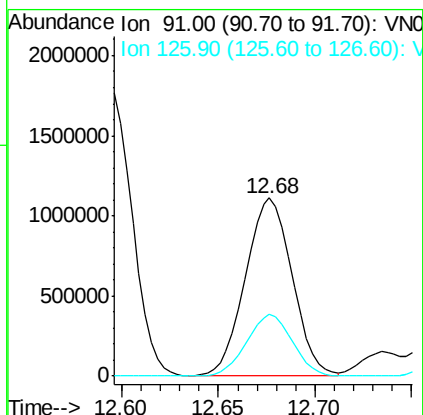
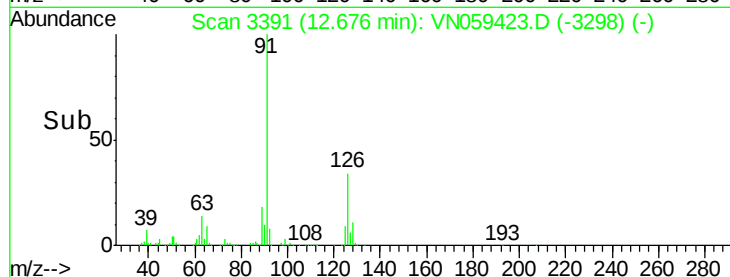
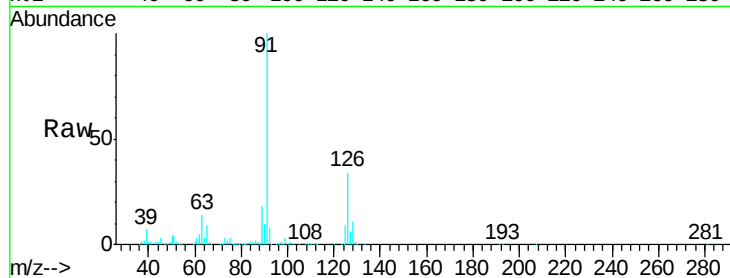
VSTDIC150

Tgt Ion: 91 Resp: 1878590

Ion Ratio Lower Upper

91 100

126 33.8 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 156.994 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059423.D

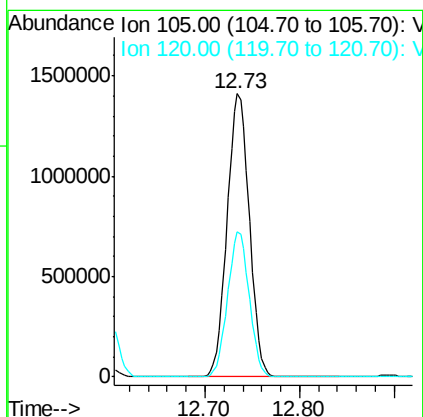
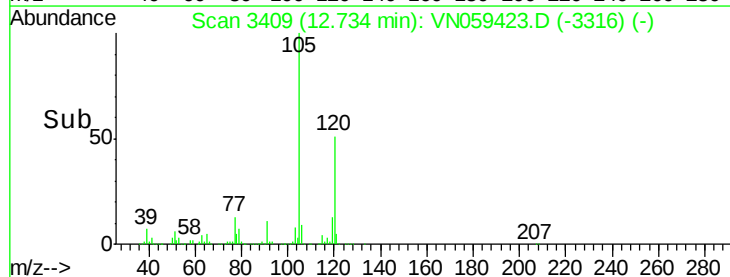
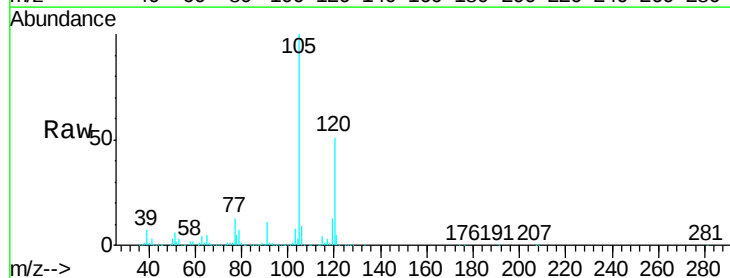
Acq: 27 Nov 2019 14:28

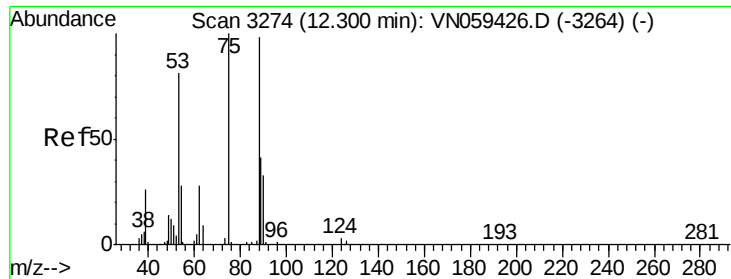
Tgt Ion: 105 Resp: 2290746

Ion Ratio Lower Upper

105 100

120 50.1 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 168.720 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

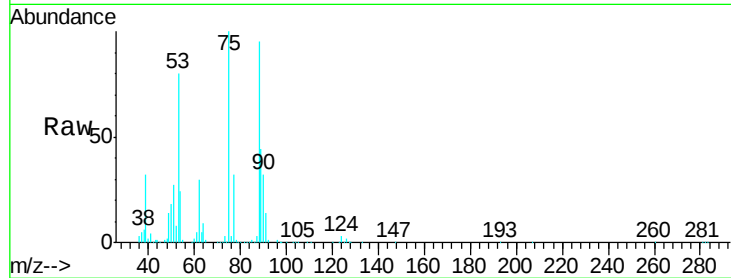
Tgt Ion: 75 Resp: 348071

Ion Ratio Lower Upper

75 100

53 81.6 66.2 99.4

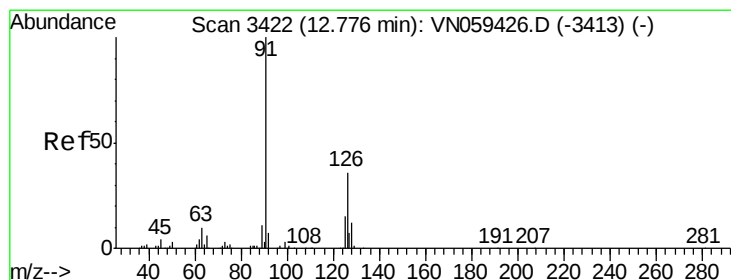
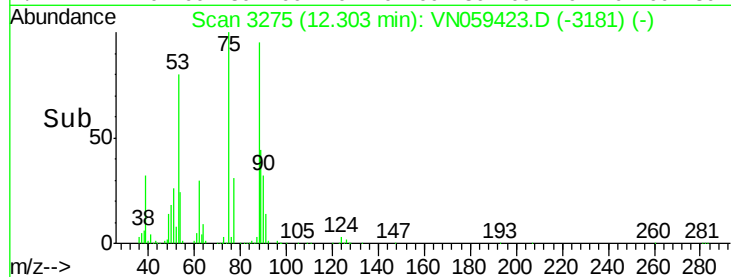
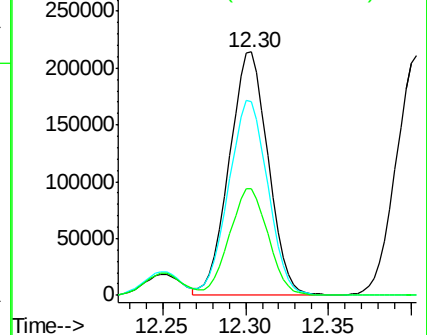
89 44.1 33.9 50.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 157.618 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059423.D

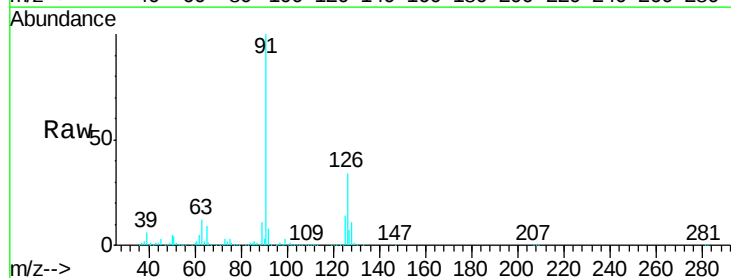
Acq: 27 Nov 2019 14:28

Tgt Ion: 91 Resp: 1941354

Ion Ratio Lower Upper

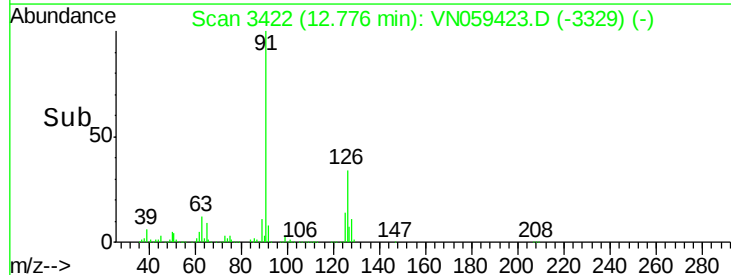
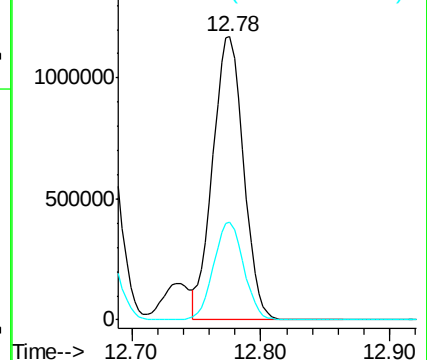
91 100

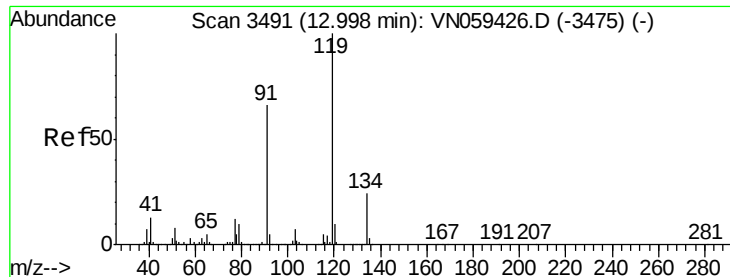
126 33.7 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 157.598 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

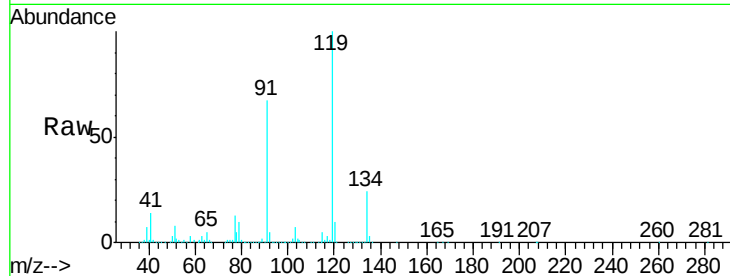
Tgt Ion:119 Resp: 1974552

Ion Ratio Lower Upper

119 100

91 65.3 32.8 98.4

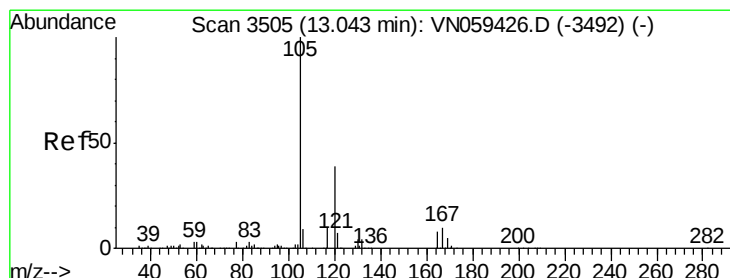
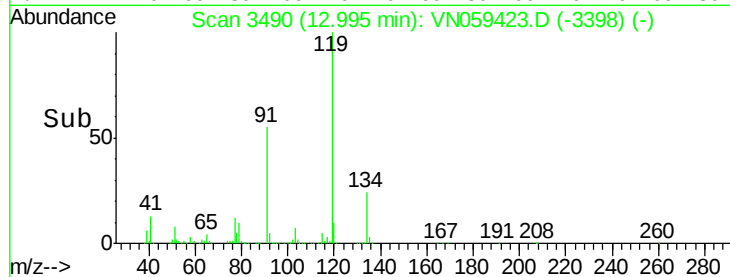
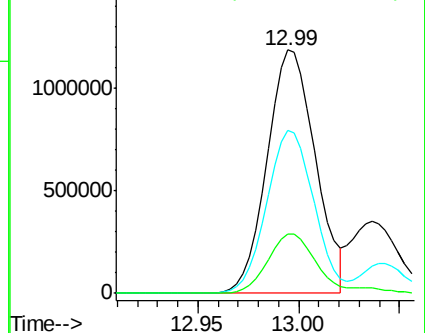
134 24.1 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 159.984 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059423.D

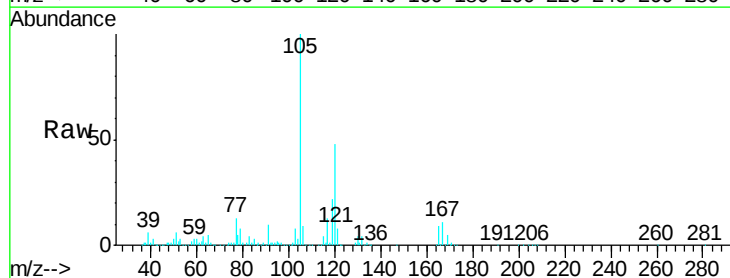
Acq: 27 Nov 2019 14:28

Tgt Ion:105 Resp: 2286768

Ion Ratio Lower Upper

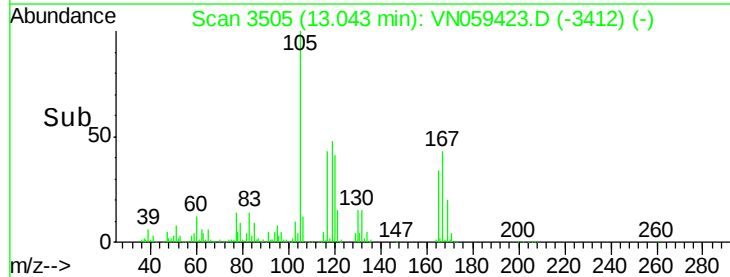
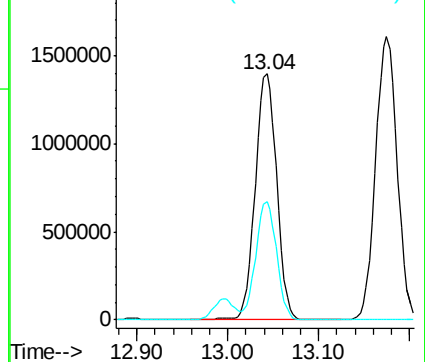
105 100

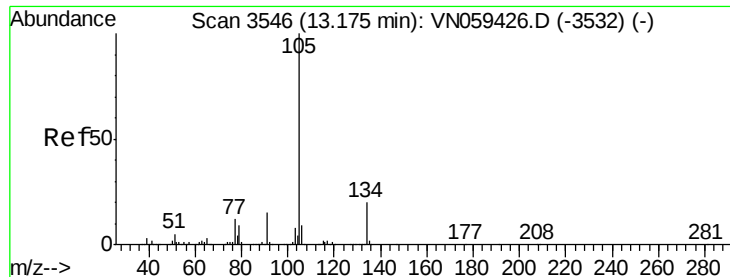
120 46.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 158.322 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

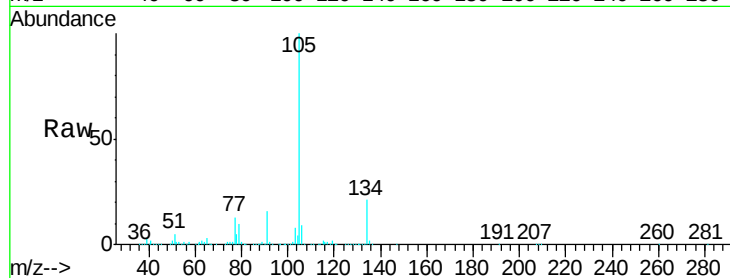
VSTDIC150

Tgt Ion:105 Resp: 2634195

Ion Ratio Lower Upper

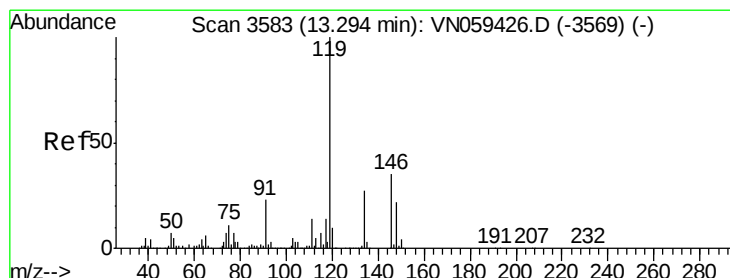
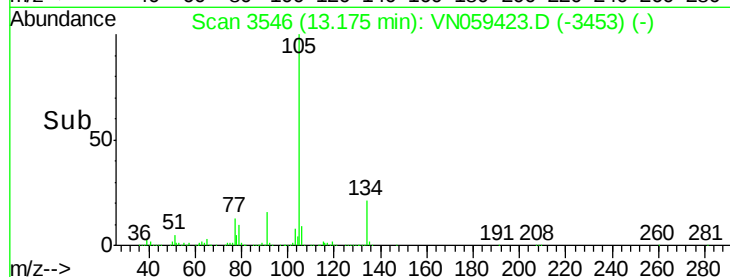
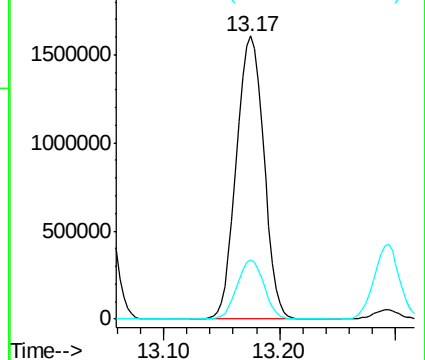
105 100

134 20.5 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 159.443 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

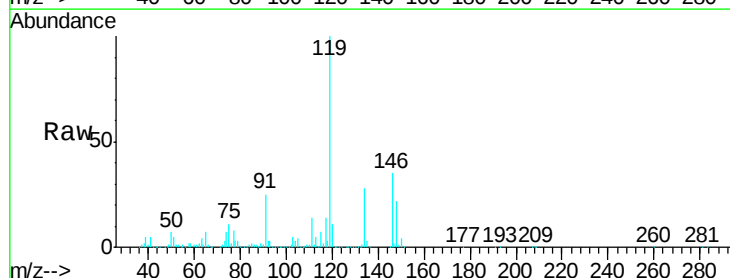
Tgt Ion:119 Resp: 2398271

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

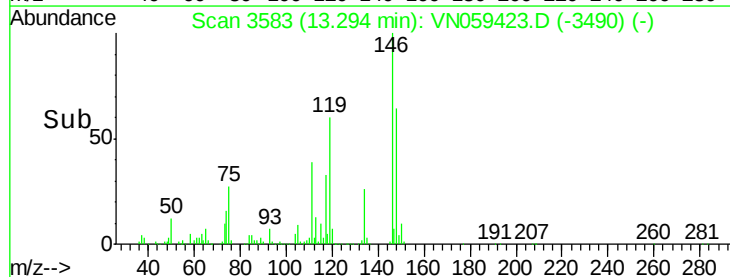
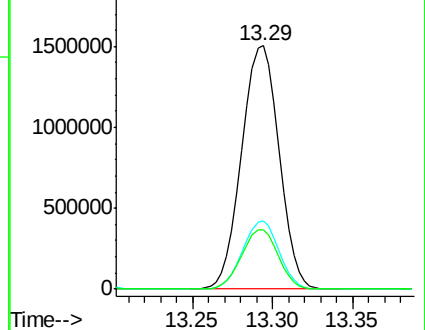
91 23.9 11.5 34.4

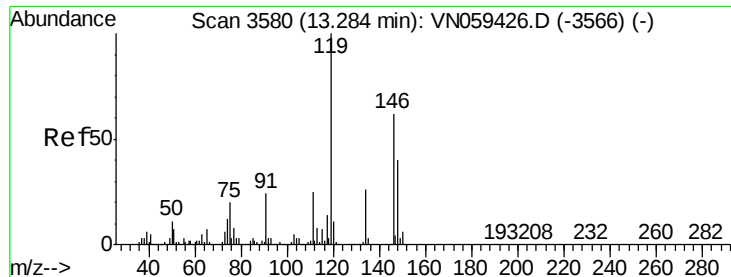


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 160.103 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

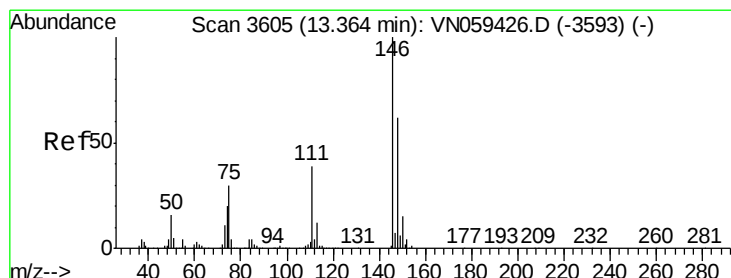
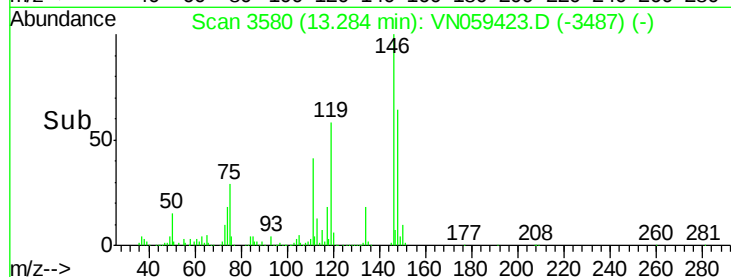
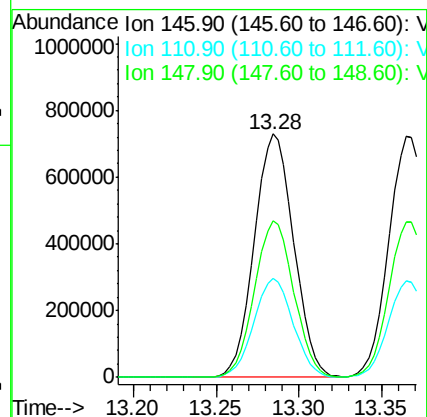
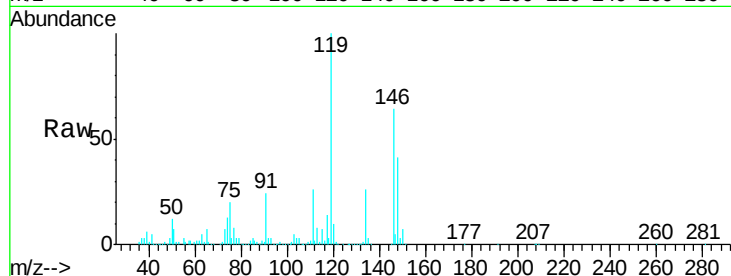
Tgt Ion:146 Resp: 1205835

Ion Ratio Lower Upper

146 100

111 40.3 20.4 61.2

148 64.2 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 158.476 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

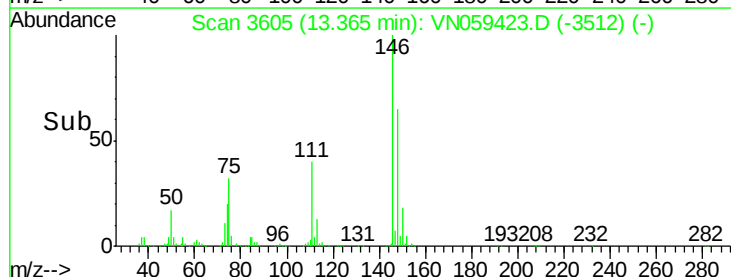
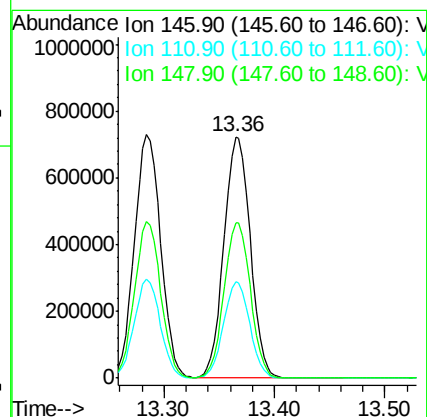
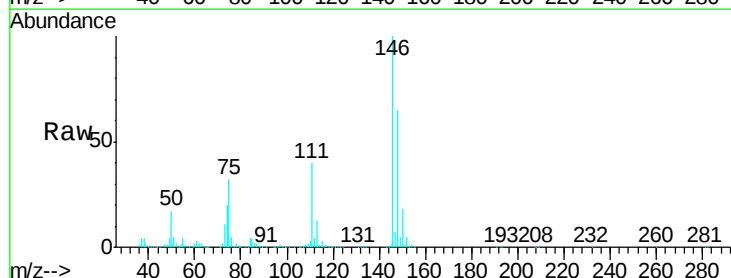
Tgt Ion:146 Resp: 1198314

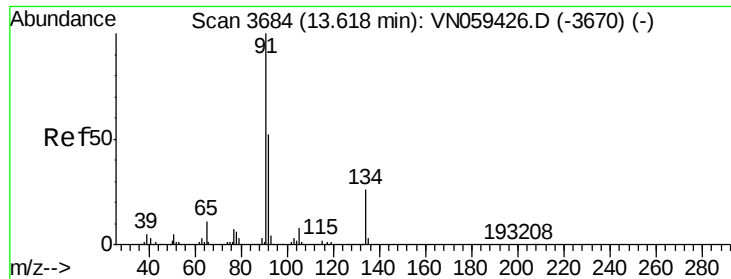
Ion Ratio Lower Upper

146 100

111 39.4 19.9 59.7

148 64.4 31.6 95.0





#89

n-Butylbenzene

Concen: 167.190 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

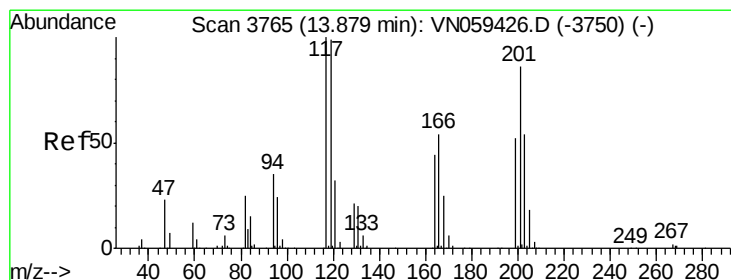
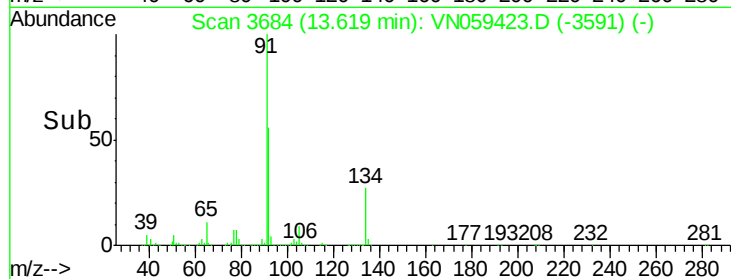
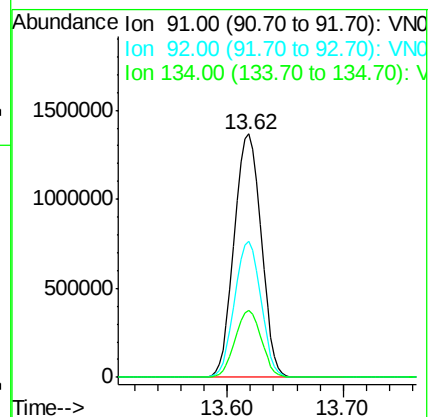
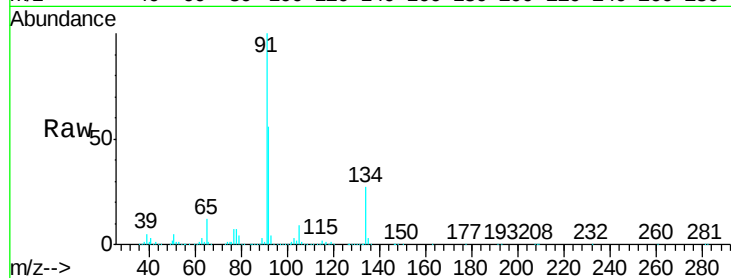
Tgt Ion: 91 Resp: 2198317

Ion Ratio Lower Upper

91 100

92 54.4 25.9 77.8

134 26.6 12.8 38.4



#90

Hexachloroethane

Concen: 158.390 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059423.D

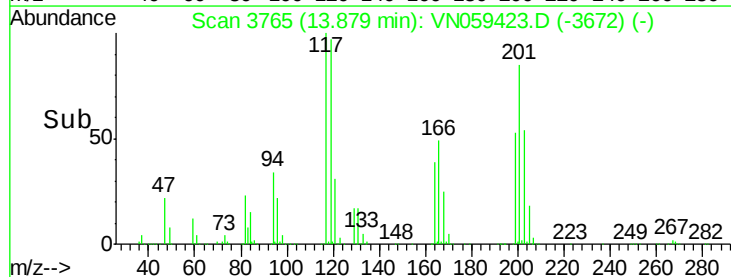
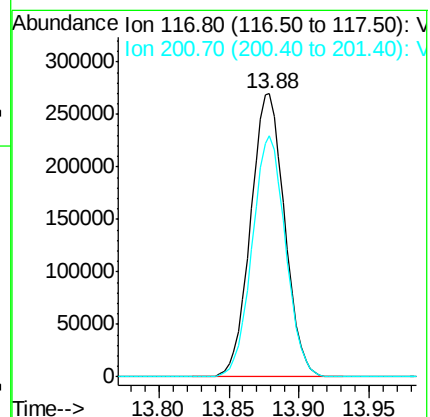
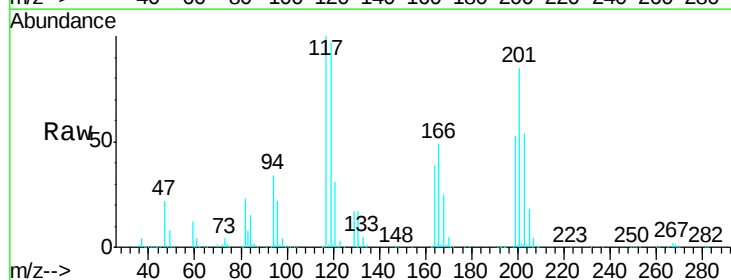
Acq: 27 Nov 2019 14:28

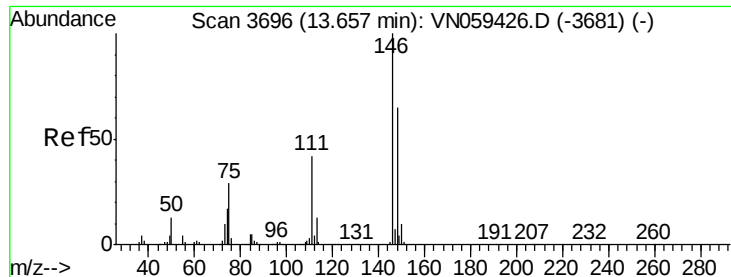
Tgt Ion: 117 Resp: 455365

Ion Ratio Lower Upper

117 100

201 83.4 42.1 126.4





#91

1,2-Dichlorobenzene

Concen: 154.425 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

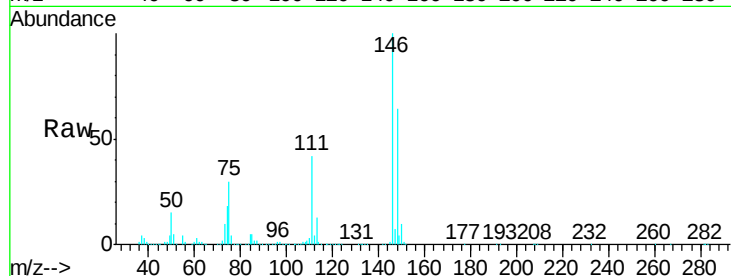
Tgt Ion:146 Resp: 1139645

Ion Ratio Lower Upper

146 100

111 42.2 21.3 63.7

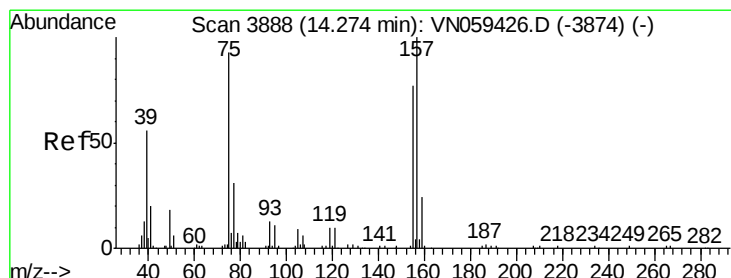
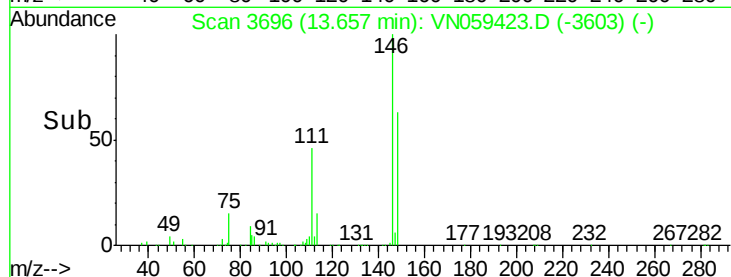
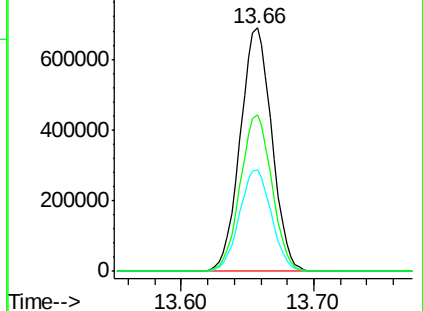
148 64.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 148.280 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059423.D

Acq: 27 Nov 2019 14:28

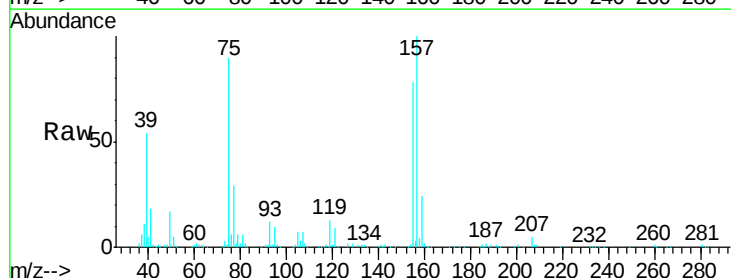
Tgt Ion: 75 Resp: 190619

Ion Ratio Lower Upper

75 100

155 85.0 41.9 125.8

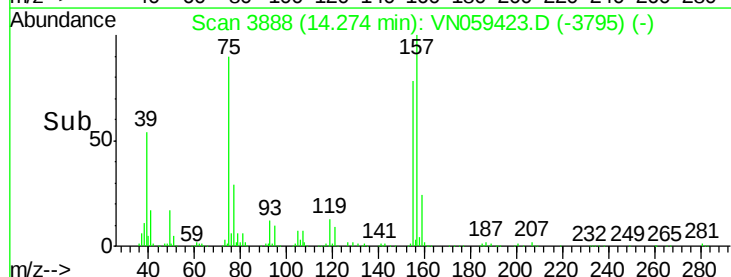
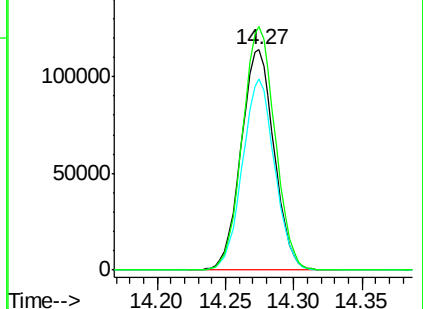
157 109.8 54.1 162.3

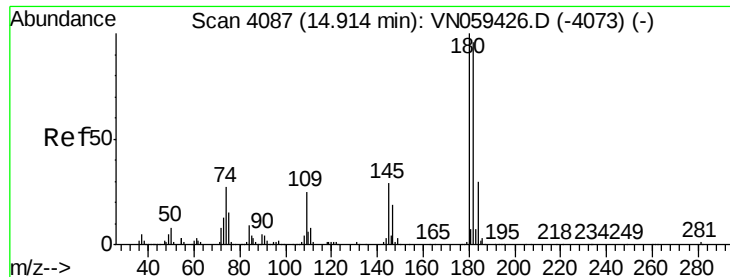


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

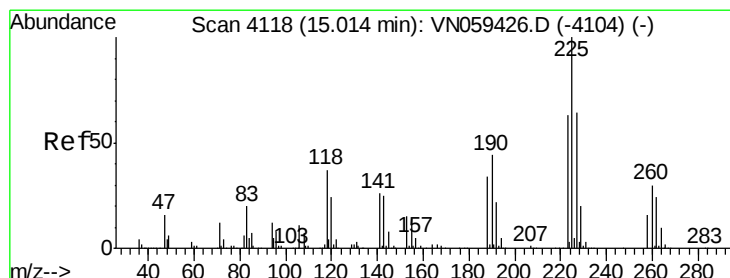
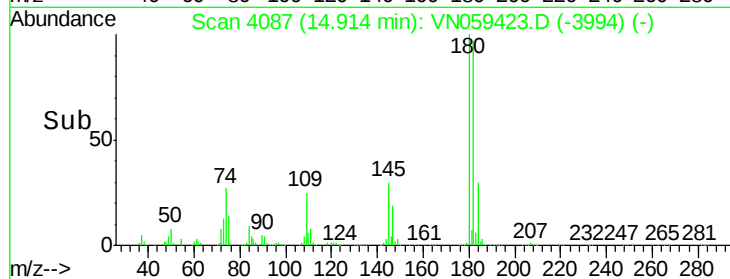
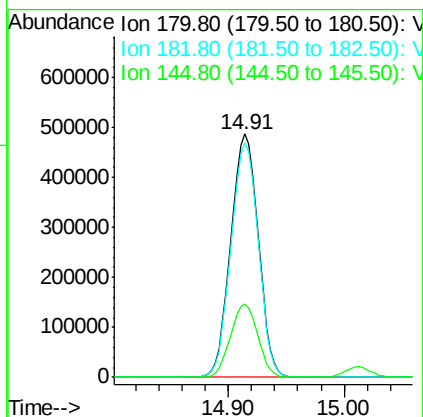
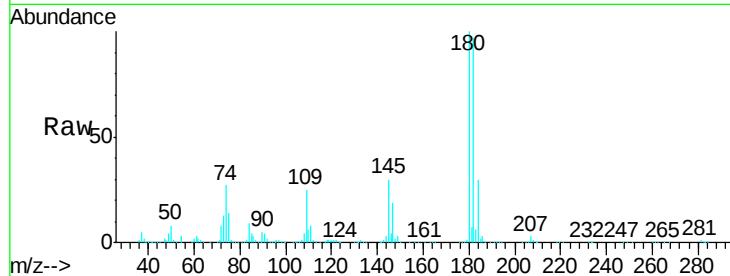




#93
 1,2,4-Trichlorobenzene
 Concen: 173.511 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

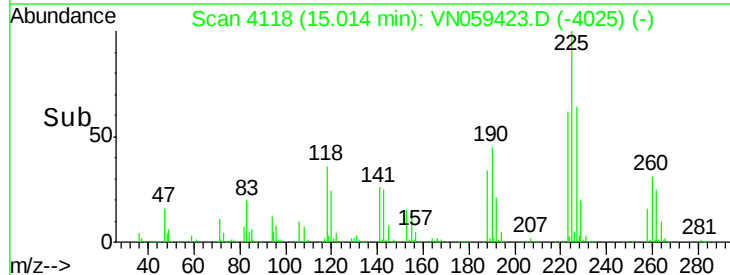
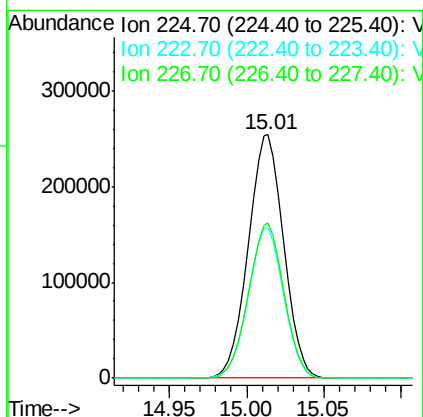
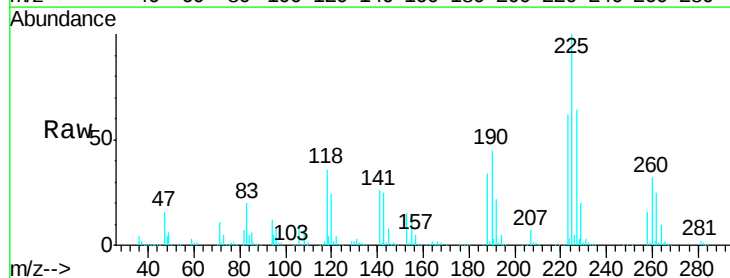
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

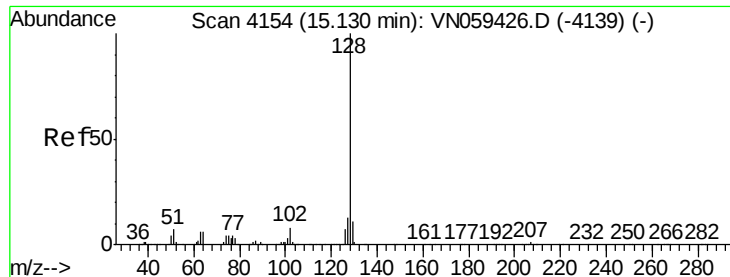
Tgt Ion:180 Resp: 795967
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.3 142.0
 145 30.0 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 143.873 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059423.D
 Acq: 27 Nov 2019 14:28

Tgt Ion:225 Resp: 404476
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.5 94.5
 227 63.5 31.9 95.7

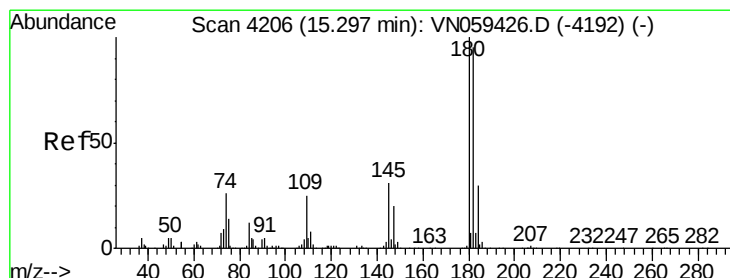
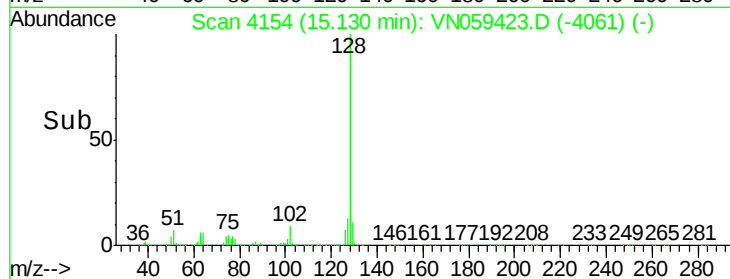
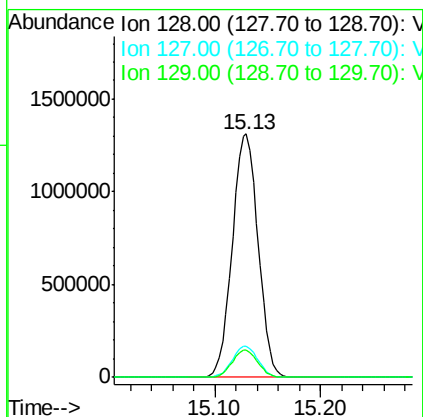
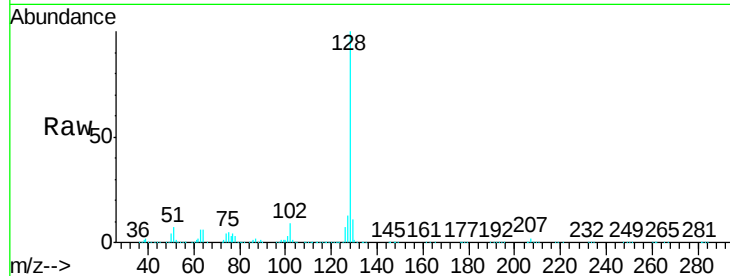




#95
Naphthalene
Concen: 170.680 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 2212246
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 161.624 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059423.D
Acq: 27 Nov 2019 14:28

Tgt Ion:180 Resp: 789764
Ion Ratio Lower Upper
180 100
182 95.8 47.5 142.6
145 31.7 15.7 47.1

