

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059427.D
 Acq On : 27 Nov 2019 17:19
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 02:01:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	422760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	665134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	589724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276655	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	243614	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	7.57	113	200115	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.08	98	796098	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	282244	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	239451	48.123	ug/l	99
3) Chloromethane	2.04	50	275682	45.358	ug/l	100
4) Vinyl Chloride	2.17	62	269776	46.189	ug/l	100
5) Bromomethane	2.54	94	158737	45.140	ug/l	99
6) Chloroethane	2.68	64	152795	46.658	ug/l	98
7) Trichlorofluoromethane	3.00	101	318199	45.739	ug/l	96
8) Diethyl Ether	3.38	74	132984	46.969	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	198794	46.397	ug/l	99
10) Methyl Iodide	3.93	142	267528	47.971	ug/l	100
11) Tert butyl alcohol	4.75	59	193296	225.315	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	195434	46.576	ug/l	99
13) Acrolein	3.58	56	139780	166.911	ug/l	100
14) Allyl chloride	4.29	41	362335	46.559	ug/l	99
15) Acrylonitrile	4.95	53	561246	234.779	ug/l	100
16) Acetone	3.79	43	575938	244.122	ug/l	99
17) Carbon Disulfide	4.03	76	635697	44.148	ug/l	99
18) Methyl Acetate	4.29	43	278599	43.364	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	649824	48.059	ug/l	100
20) Methylene Chloride	4.52	84	217517	45.375	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	213527	46.707	ug/l	98
22) Diisopropyl ether	5.92	45	692294	47.870	ug/l	98
23) Vinyl Acetate	5.86	43	2880056	246.850	ug/l	100
24) 1,1-Dichloroethane	5.82	63	394335	47.392	ug/l	100
25) 2-Butanone	6.80	43	777931	239.691	ug/l	100
26) 2,2-Dichloropropane	6.80	77	334872	47.291	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	236387	47.278	ug/l	100
28) Bromochloromethane	7.17	49	142808	40.367	ug/l	100
29) Tetrahydrofuran	7.18	42	495341	229.478	ug/l	99
30) Chloroform	7.35	83	369177	44.090	ug/l	100
31) Cyclohexane	7.63	56	375047	44.962	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	322505	47.099	ug/l	100
36) 1,1-Dichloropropene	7.77	75	299572	46.836	ug/l	100
37) Ethyl Acetate	6.90	43	304297	44.966	ug/l	99
38) Carbon Tetrachloride	7.75	117	286419	47.449	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	372257	48.647	ug/l	98
40) Benzene	8.02	78	886166	46.661	ug/l	100
41) Methacrylonitrile	7.18	41	425610	135.065	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	284235	47.199	ug/l	100
43) Isopropyl Acetate	8.14	43	484498	47.127	ug/l	100
44) Trichloroethene	8.82	130	224890	46.441	ug/l	98
45) 1,2-Dichloropropane	9.10	63	232929	46.890	ug/l	99
46) Dibromomethane	9.19	93	143903	46.942	ug/l	99
47) Bromodichloromethane	9.39	83	292272	47.139	ug/l	98
48) Methyl methacrylate	9.18	41	214073	46.934	ug/l	98
49) 1,4-Dioxane	9.19	88	69510	1043.467	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1444423	242.224	ug/l	100
52) Toluene	10.15	92	537827	47.402	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	340150	47.744	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	373514	48.566	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	206794	46.565	ug/l	99
56) Ethyl methacrylate	10.42	69	325601	51.966	ug/l	100
57) 1,3-Dichloropropane	10.70	76	359289	46.810	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	470258	247.140	ug/l	99
59) 2-Hexanone	10.74	43	1079071	244.034	ug/l	100
60) Dibromochloromethane	10.90	129	226491	48.859	ug/l	100
61) 1,2-Dibromoethane	11.00	107	216227	47.515	ug/l	99
64) Tetrachloroethene	10.63	164	204426	46.866	ug/l	99
65) Chlorobenzene	11.43	112	559192	46.839	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	206162	47.619	ug/l	99
67) Ethyl Benzene	11.51	91	1018619	48.575	ug/l	100
68) m/p-Xylenes	11.62	106	758370	96.863	ug/l	99
69) o-Xylene	11.95	106	364165	48.500	ug/l	99
70) Styrene	11.96	104	598410	52.815	ug/l	99
71) Bromoform	12.13	173	164139	49.790	ug/l #	99
73) Isopropylbenzene	12.25	105	977858	47.712	ug/l	100
74) N-amyl acetate	12.07	43	387586	53.190	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	304764	45.599	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	411467	65.743	ug/l #	100
77) Bromobenzene	12.53	156	235805	46.994	ug/l	100
78) n-propylbenzene	12.59	91	1152949	48.817	ug/l	100
79) 2-Chlorotoluene	12.68	91	667589	47.279	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	828211	48.074	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	113985	46.796	ug/l	97
82) 4-Chlorotoluene	12.78	91	692957	47.698	ug/l	99
83) tert-Butylbenzene	13.00	119	696028	47.051	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	820548	48.621	ug/l	100
85) sec-Butylbenzene	13.17	105	947637	48.239	ug/l	100
86) p-Isopropyltoluene	13.29	119	868033	48.877	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	422459	47.507	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	417115	46.722	ug/l	100
89) n-Butylbenzene	13.62	91	755597	48.671	ug/l	99
90) Hexachloroethane	13.88	117	157546	46.413	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	407216	46.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60450	52.469	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

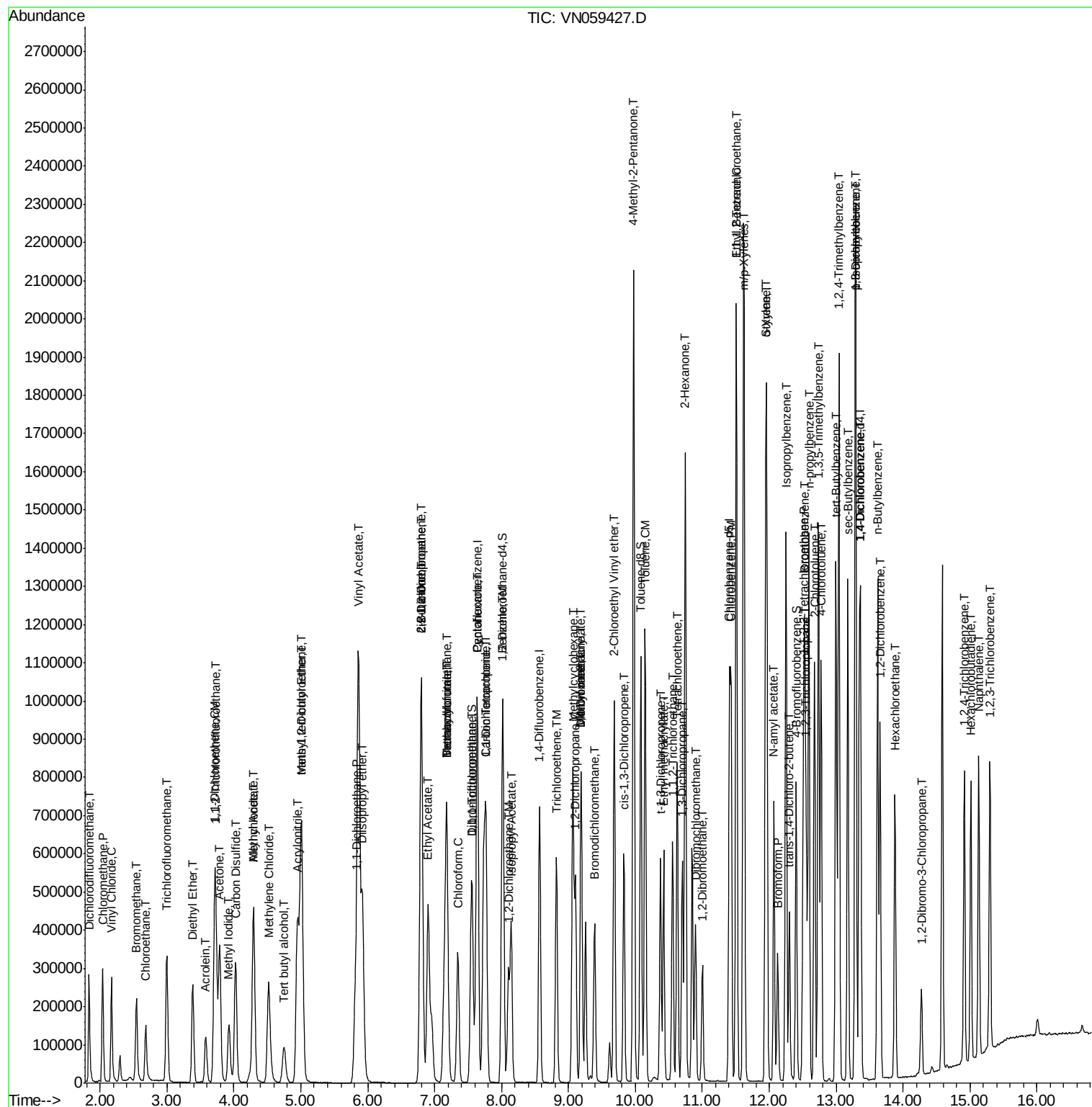
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	251061	46.352	ug/l	100
94) Hexachlorobutadiene	15.01	225	145314	43.778	ug/l	99
95) Naphthalene	15.13	128	642531	52.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	247238	53.349	ug/l	99

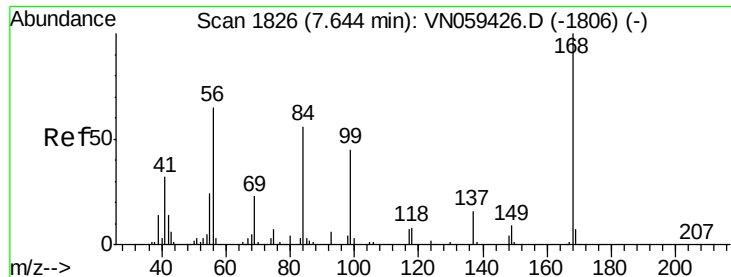
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

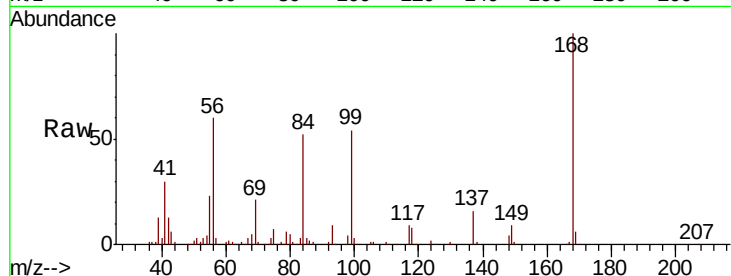
ClientSampleId :

Tot Ion:168 Resp: 422760

Ion Ratio Lower Upper

168 100

99 54.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN059427.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059427.D (-1733) (-)

7.64

200000

150000

100000

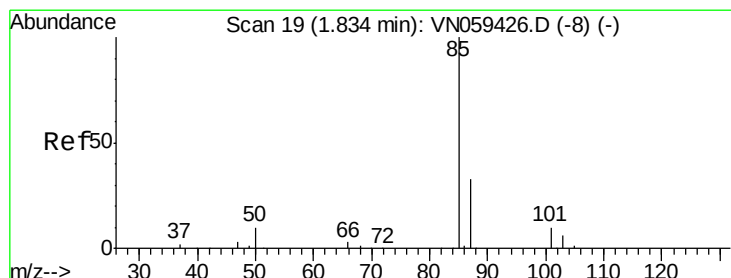
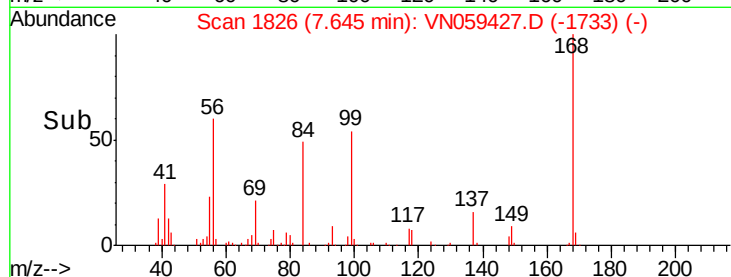
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.123 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059427.D

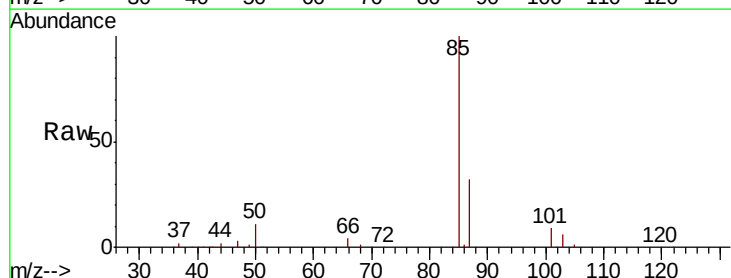
Acq: 27 Nov 2019 17:19

Tgt Ion: 85 Resp: 239451

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN059427.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN059427.D (-1) (-)

1.83

150000

100000

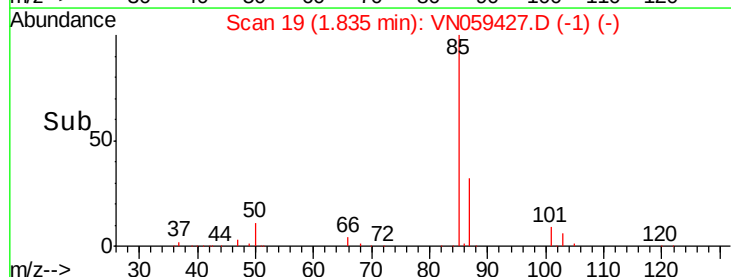
50000

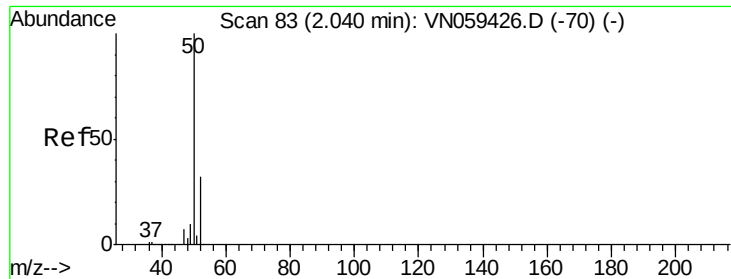
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 45.358 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

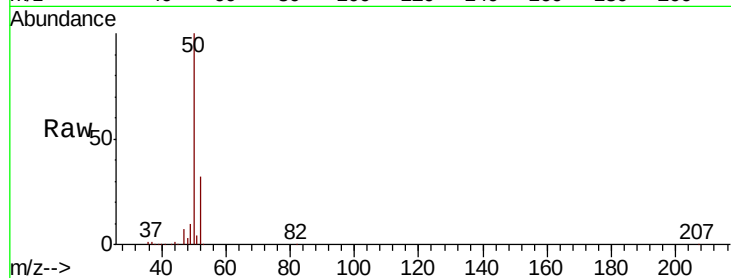
ClientSampleId :

Tot Ion: 50 Resp: 275682

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

200000

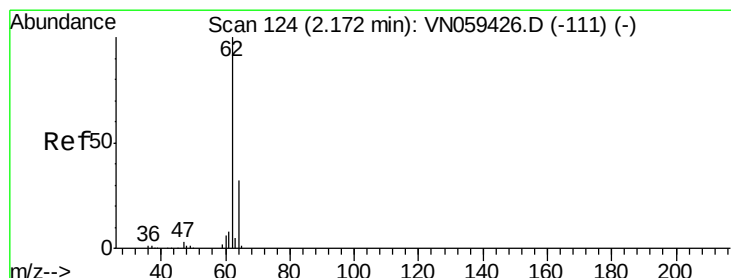
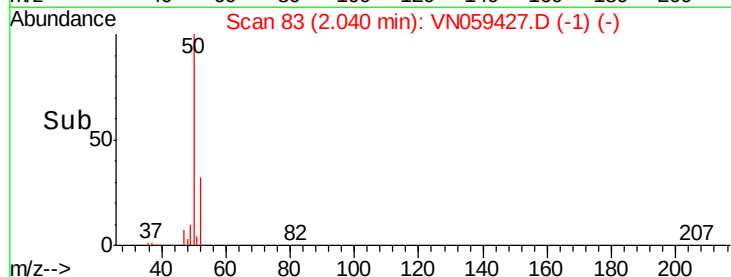
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 46.189 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059427.D

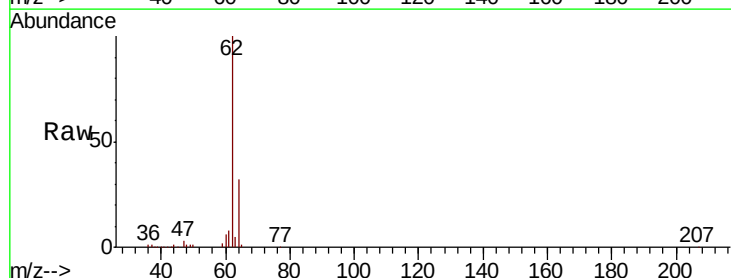
Acq: 27 Nov 2019 17:19

Tgt Ion: 62 Resp: 269776

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

200000

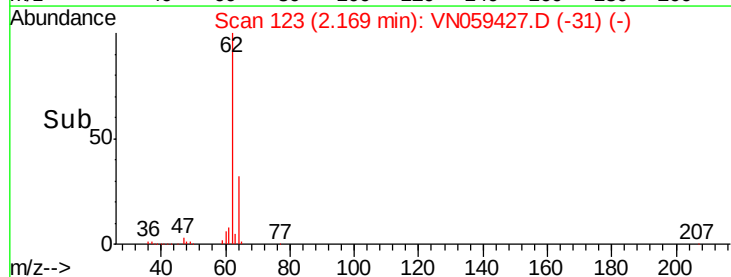
150000

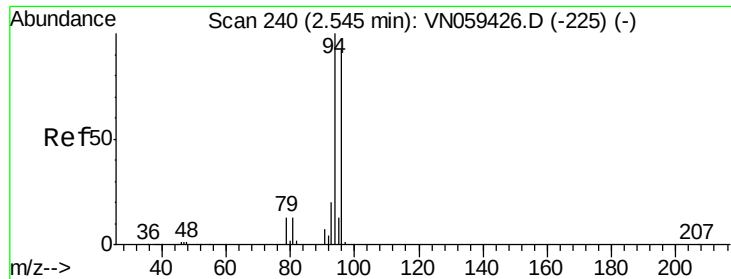
100000

50000

0

Time--> 2.10 2.20 2.30





#5

Bromomethane

Concen: 45.140 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

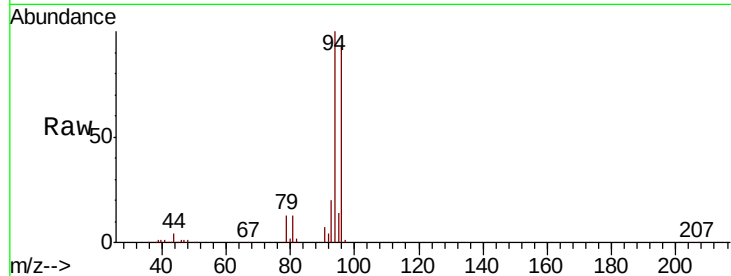
ClientSampled :

Tot Ion: 94 Resp: 158737

Ion Ratio Lower Upper

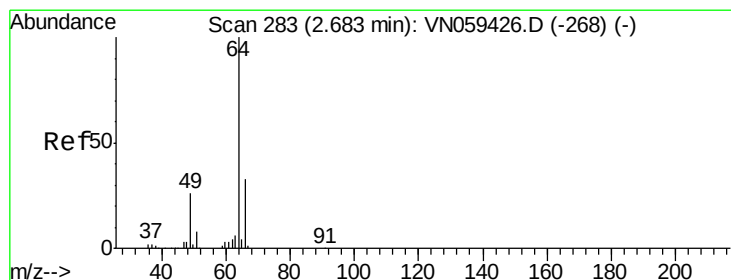
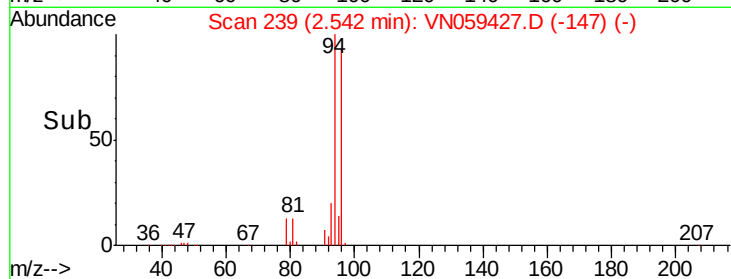
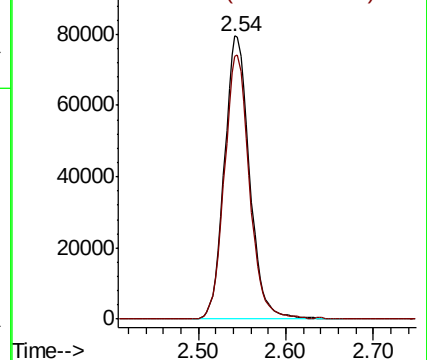
94 100

96 92.9 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.658 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059427.D

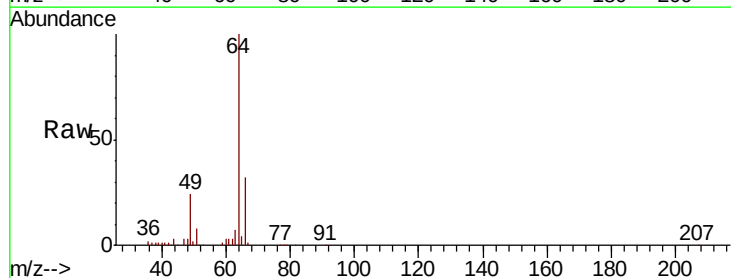
Acq: 27 Nov 2019 17:19

Tgt Ion: 64 Resp: 152795

Ion Ratio Lower Upper

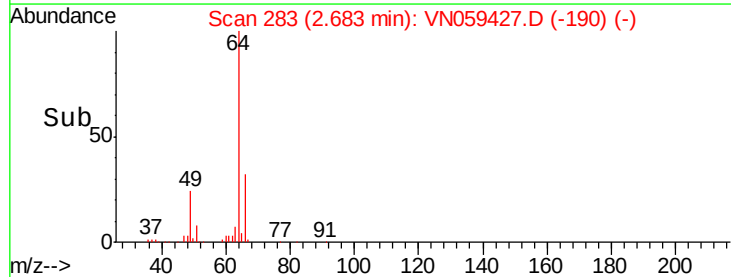
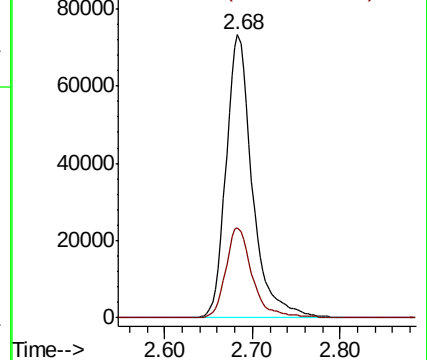
64 100

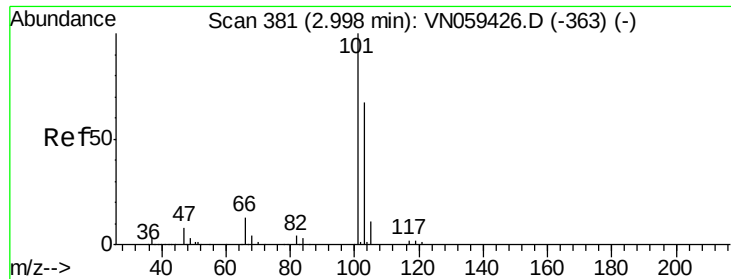
66 32.0 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



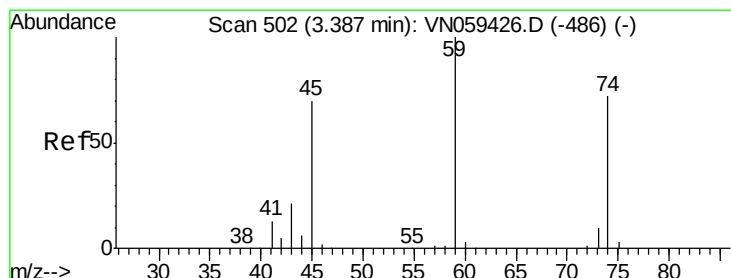
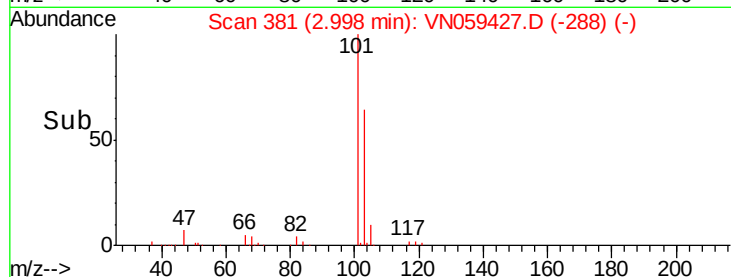
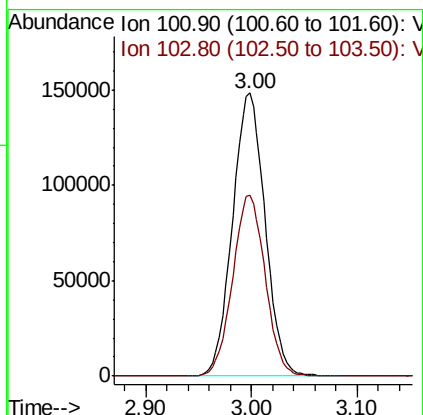
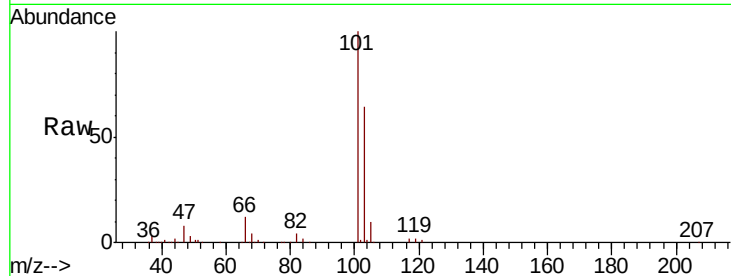


#7

Trichlorofluoromethane
Concen: 45.739 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :

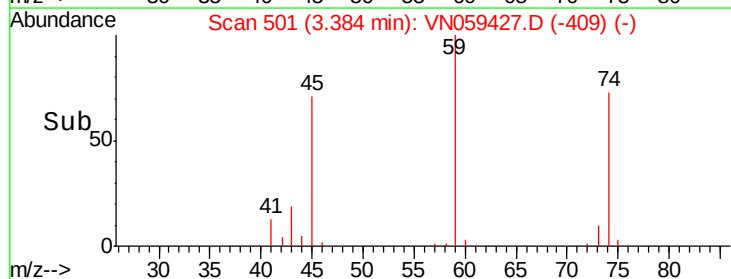
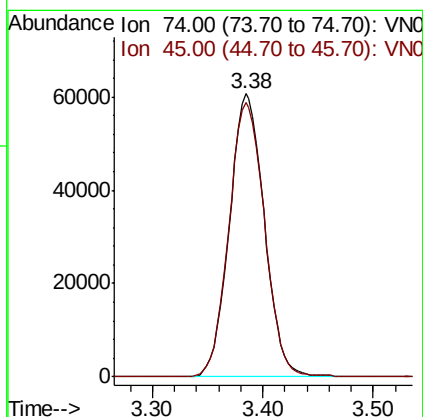
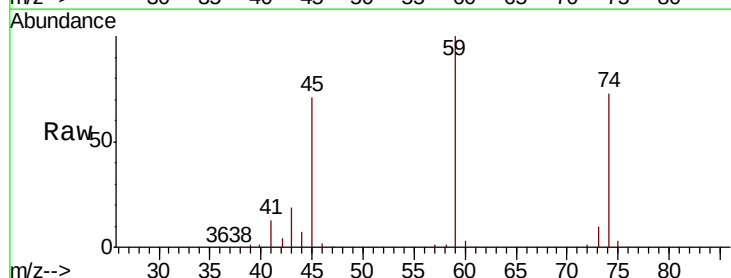
Tot Ion:101 Resp: 318199
Ion Ratio Lower Upper
101 100
103 63.9 53.6 80.4

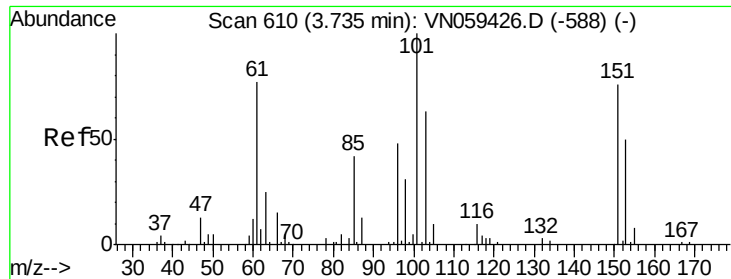


#8

Diethyl Ether
Concen: 46.969 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 74 Resp: 132984
Ion Ratio Lower Upper
74 100
45 99.3 49.7 149.1

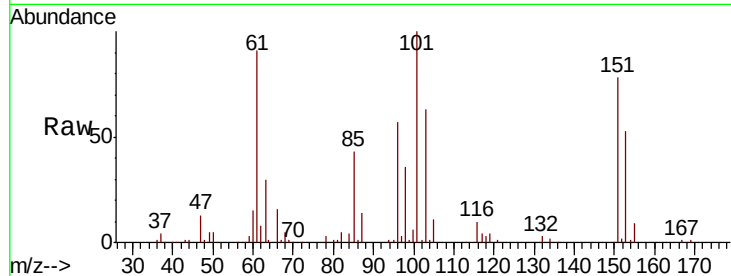




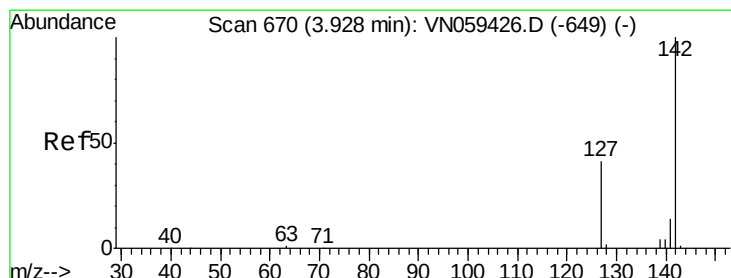
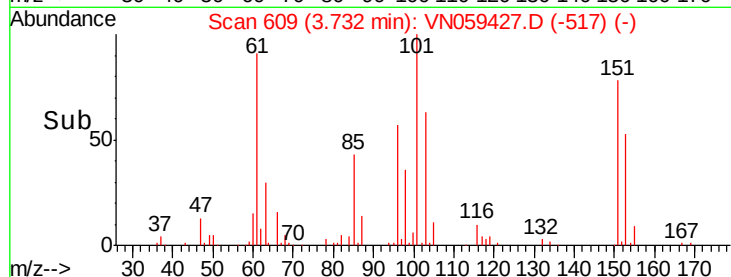
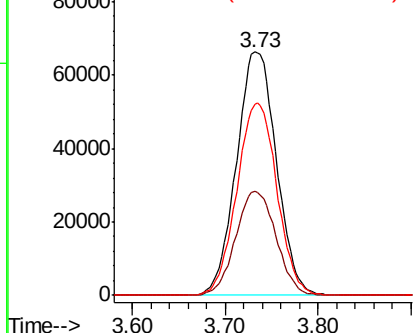
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.397 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 198794
 Ion Ratio Lower Upper
 101 100
 85 43.0 34.2 51.2
 151 79.1 62.6 93.8

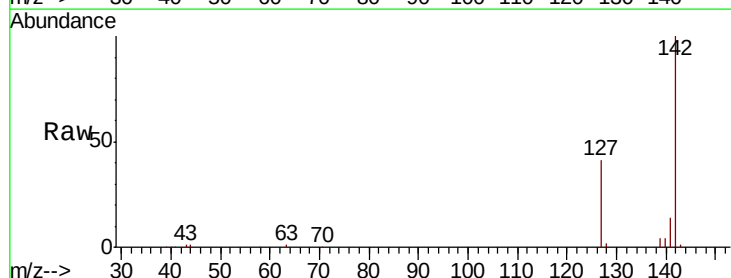


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

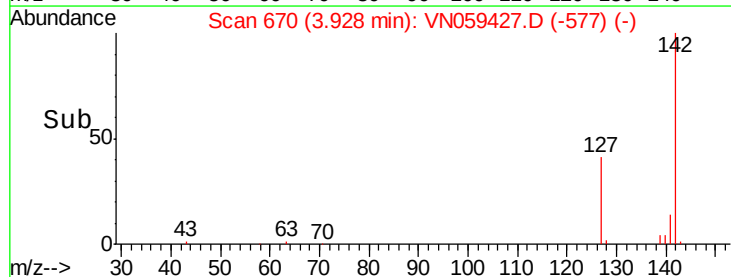
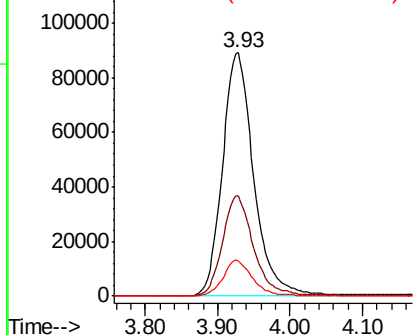


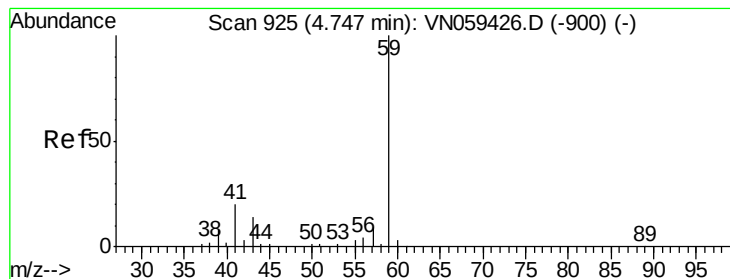
#10
 Methyl Iodide
 Concen: 47.971 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion:142 Resp: 267528
 Ion Ratio Lower Upper
 142 100
 127 41.0 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



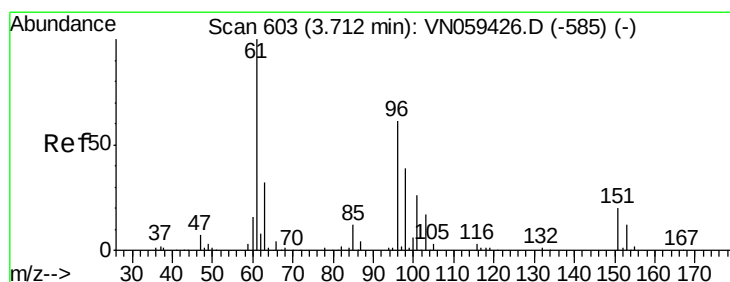
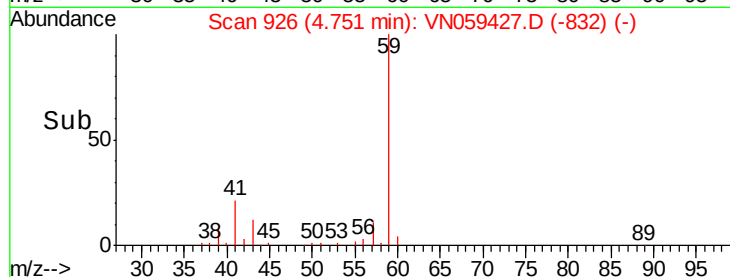
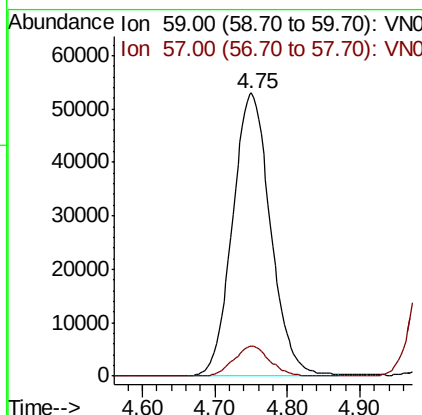
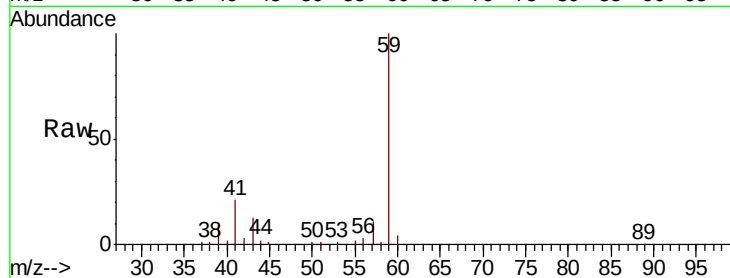


#11

Tert butyl alcohol
Concen: 225.315 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

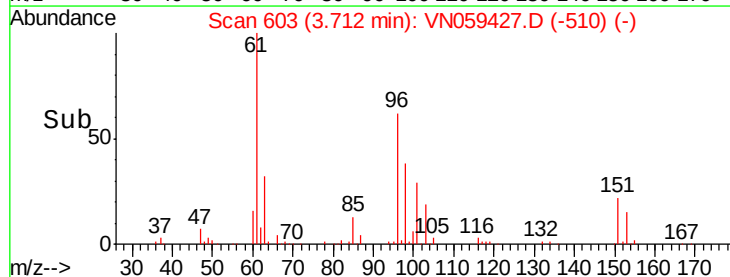
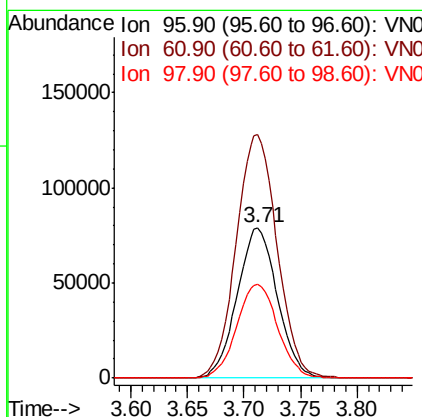
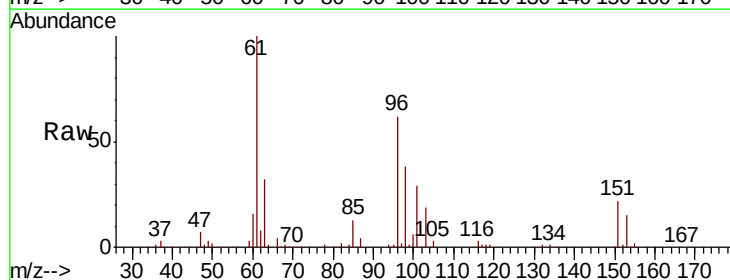
Tot Ion: 59 Resp: 193296
Ion Ratio Lower Upper
59 100
57 9.9 3.8 5.8#

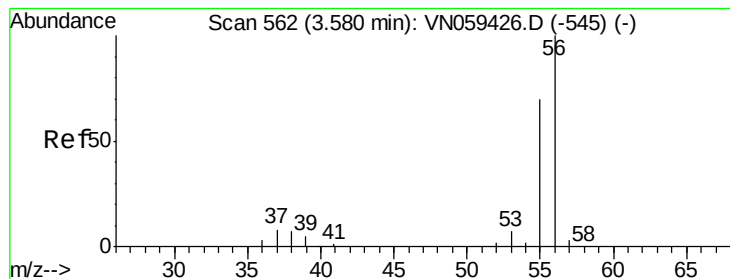


#12

1,1-Dichloroethene
Concen: 46.576 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 96 Resp: 195434
Ion Ratio Lower Upper
96 100
61 162.0 130.5 195.7
98 62.4 51.3 76.9





#13

Acrolein

Concen: 166.911 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

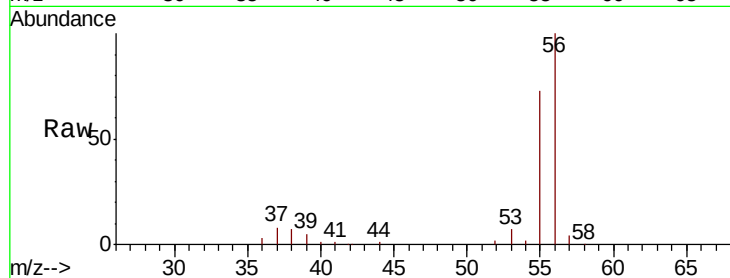
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 139780

Ion Ratio Lower Upper

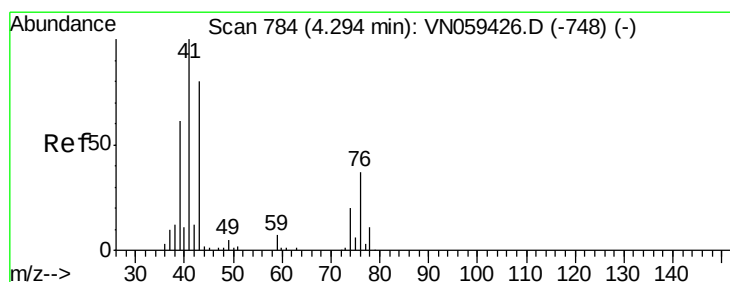
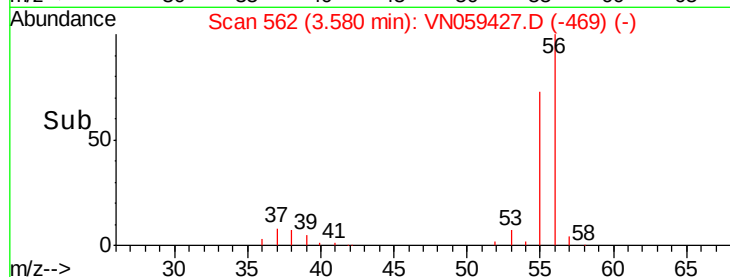
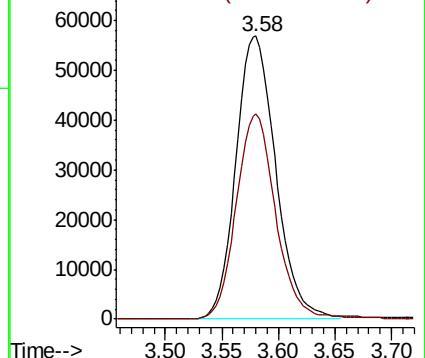
56 100

55 71.9 57.8 86.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.559 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

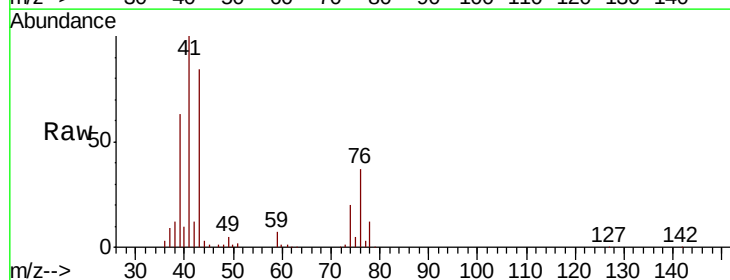
Tgt Ion: 41 Resp: 362335

Ion Ratio Lower Upper

41 100

39 58.7 46.5 69.7

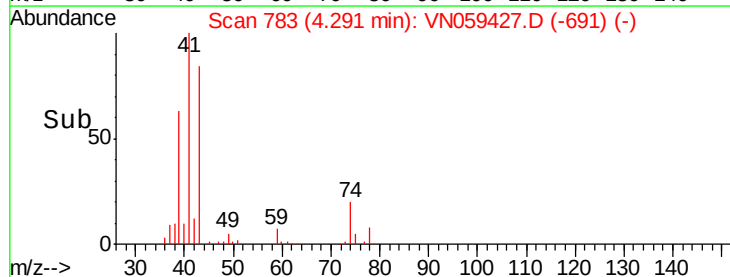
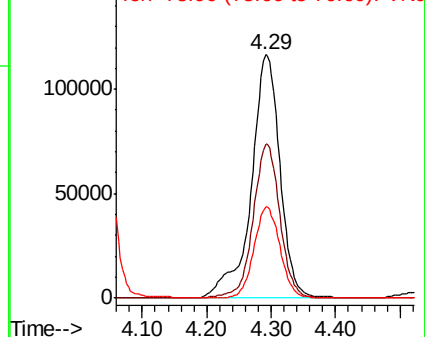
76 33.5 26.8 40.2

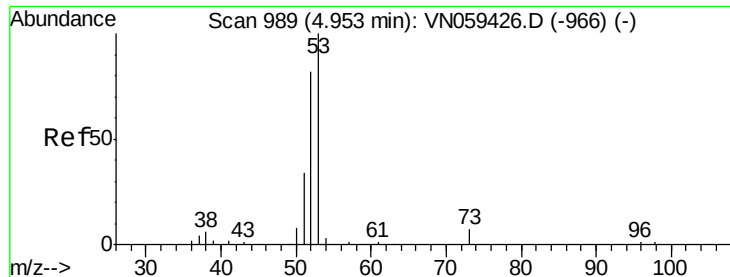


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 234.779 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

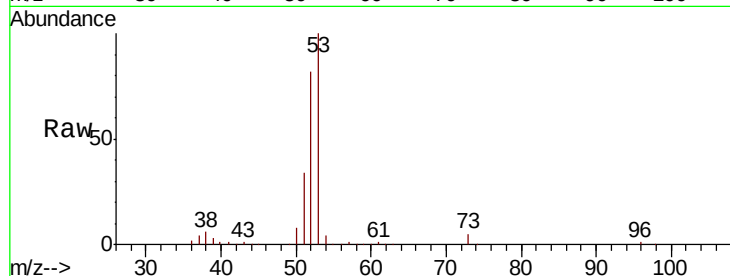
Tot Ion: 53 Resp: 561246

Ion Ratio Lower Upper

53 100

52 81.6 65.1 97.7

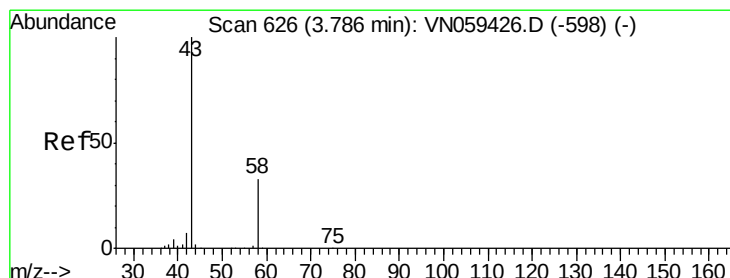
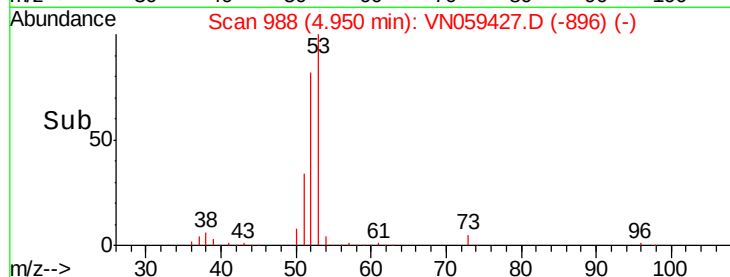
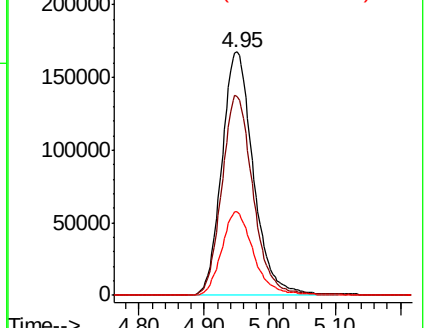
51 34.9 27.8 41.8



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: 244.122 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059427.D

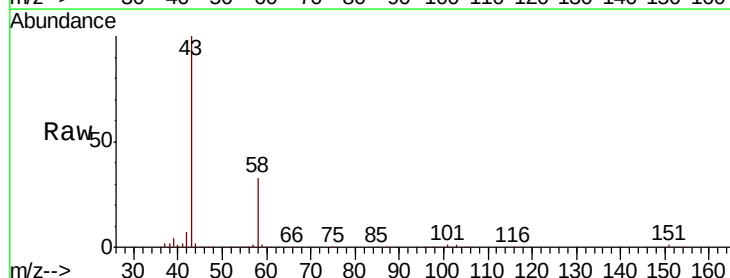
Acq: 27 Nov 2019 17:19

Tgt Ion: 43 Resp: 575938

Ion Ratio Lower Upper

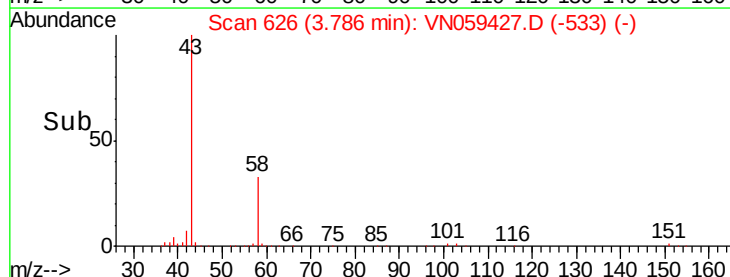
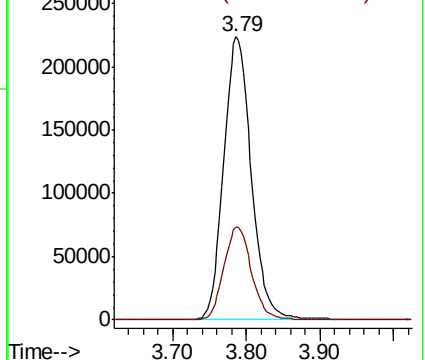
43 100

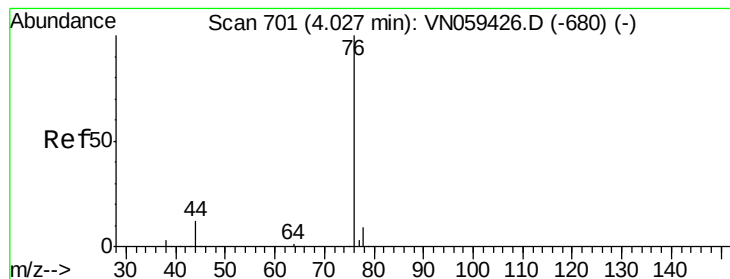
58 32.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 44.148 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

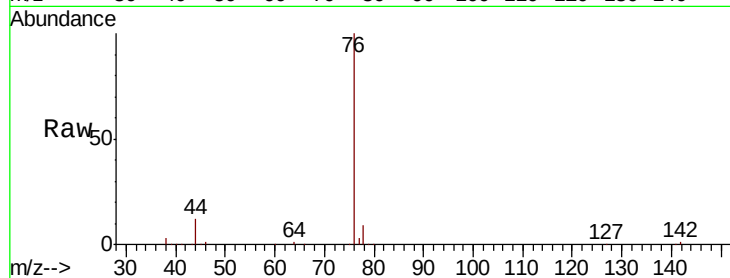
ClientSampleId :

Tot Ion: 76 Resp: 635697

Ion Ratio Lower Upper

76 100

78 8.9 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

250000

200000

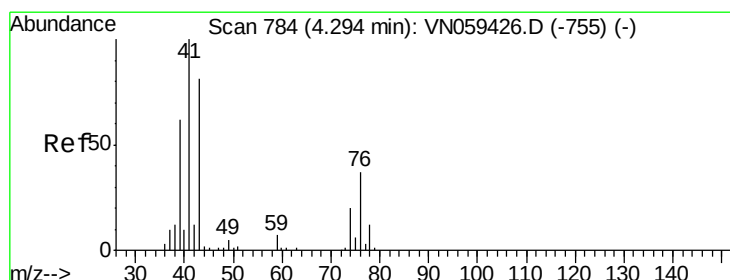
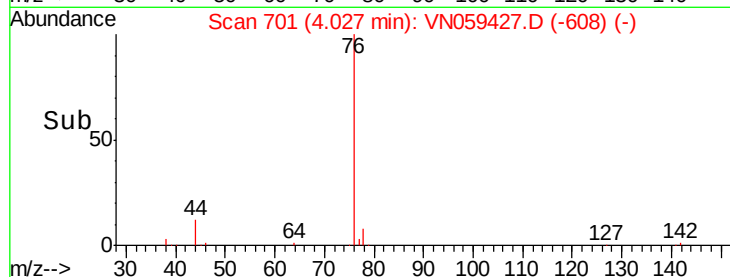
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.364 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059427.D

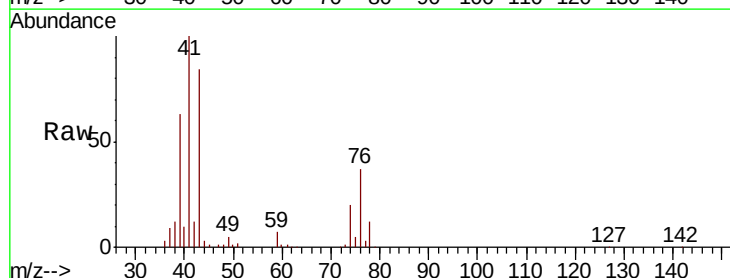
Acq: 27 Nov 2019 17:19

Tgt Ion: 43 Resp: 278599

Ion Ratio Lower Upper

43 100

74 24.2 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

100000

80000

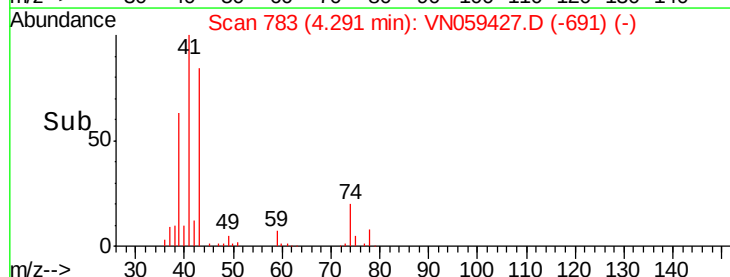
60000

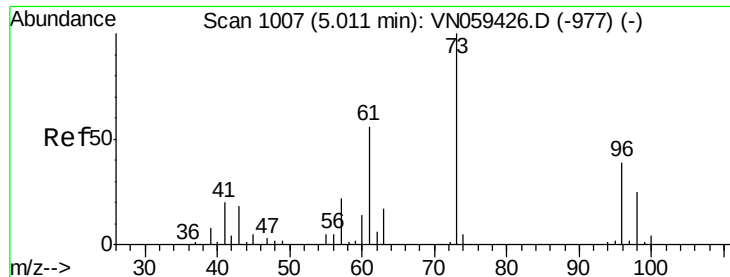
40000

20000

0

Time-->

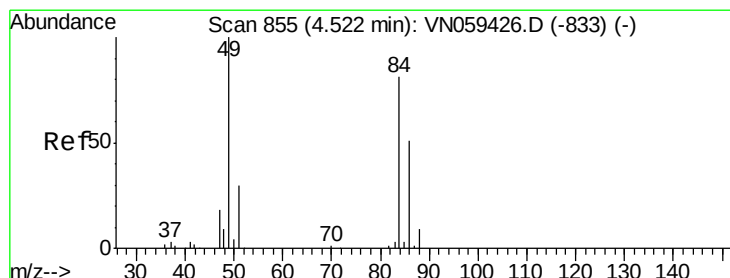
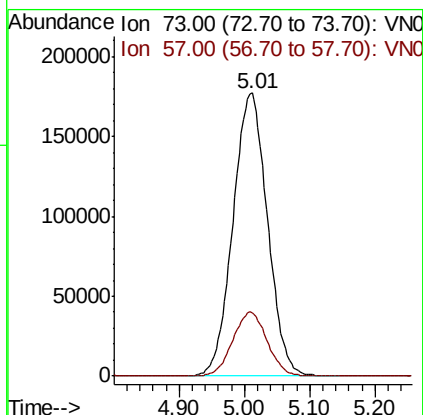
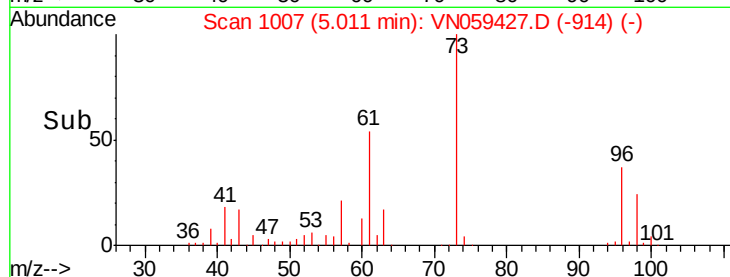
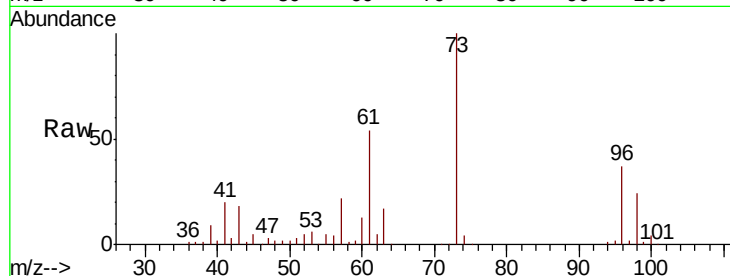




#19
Methyl tert-butyl Ether
Concen: 48.059 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

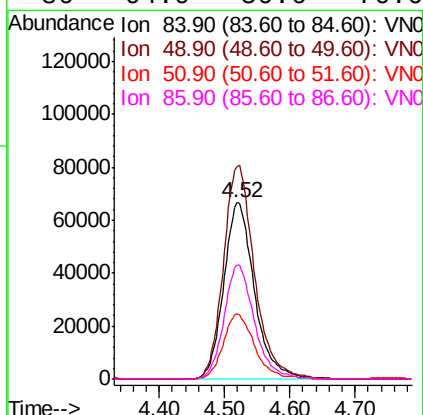
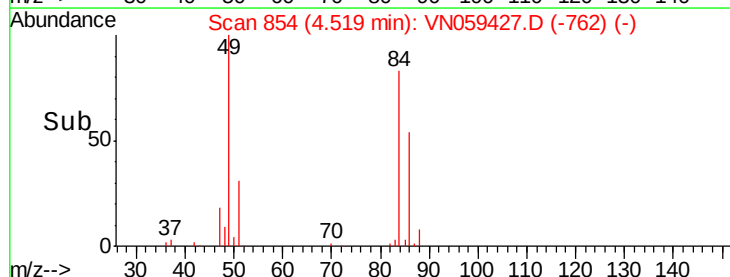
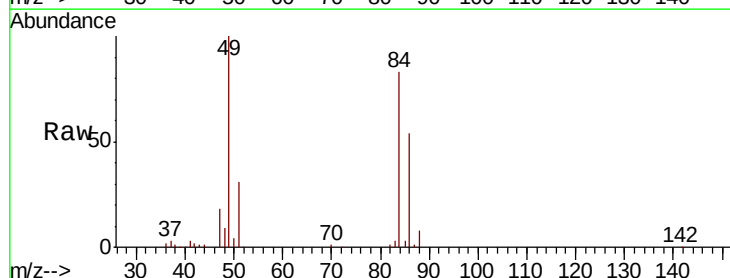
Instrument :
MSVOA_N
ClientSampled :

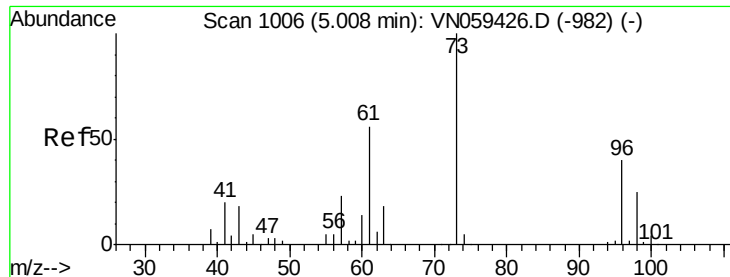
Tot Ion: 73 Resp: 649824
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5



#20
Methylene Chloride
Concen: 45.375 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 84 Resp: 217517
Ion Ratio Lower Upper
84 100
49 120.7 98.6 148.0
51 37.0 29.4 44.0
86 64.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 46.707 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

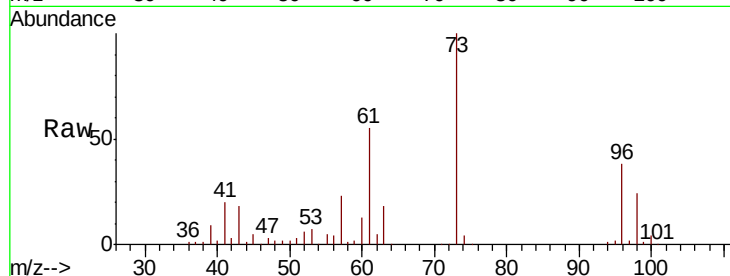
Tot Ion: 96 Resp: 213527

Ion Ratio Lower Upper

96 100

61 146.1 114.0 171.0

98 63.7 50.5 75.7

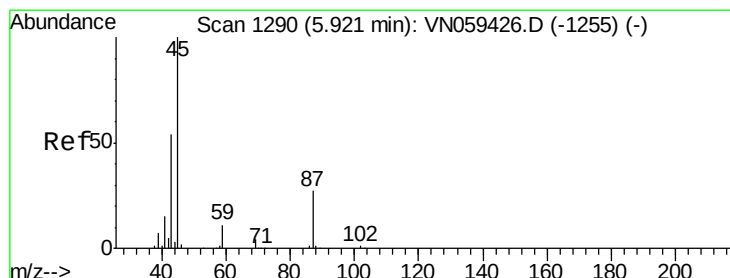
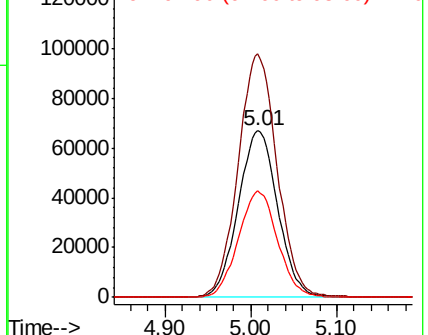
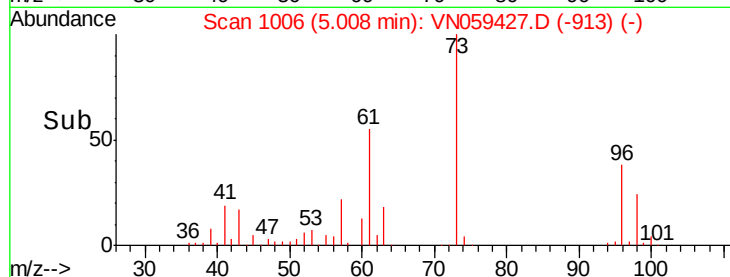


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 47.870 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion: 45 Resp: 692294

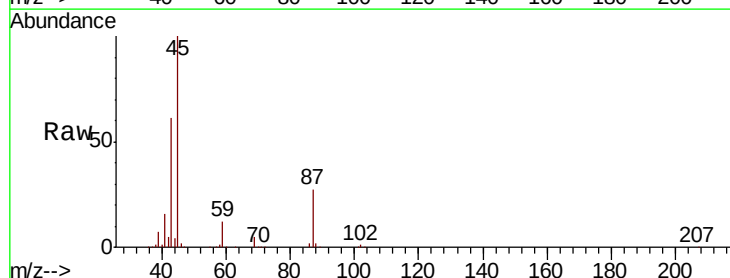
Ion Ratio Lower Upper

45 100

43 59.7 46.3 69.5

87 26.9 21.8 32.6

59 12.0 9.0 13.4



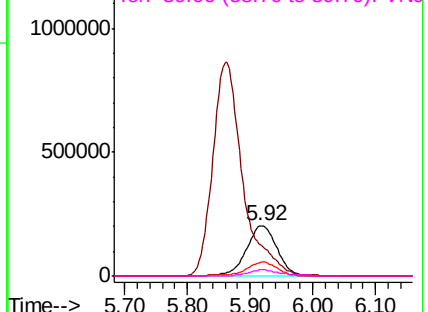
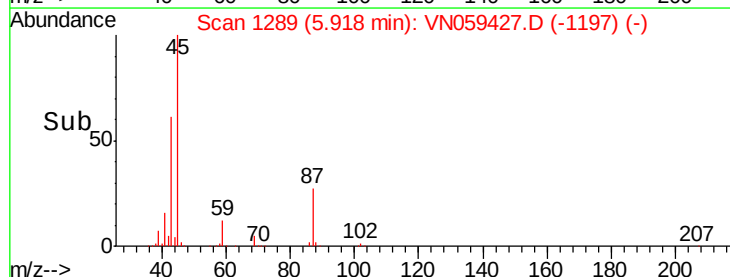
Abundance

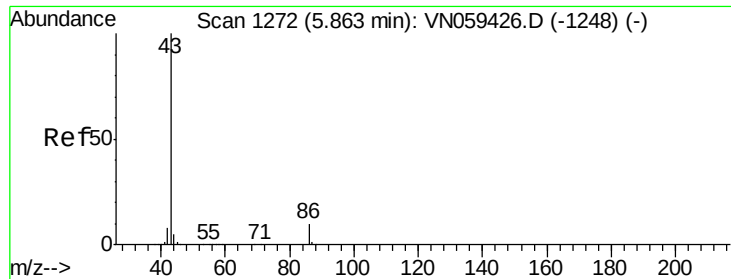
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 246.850 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

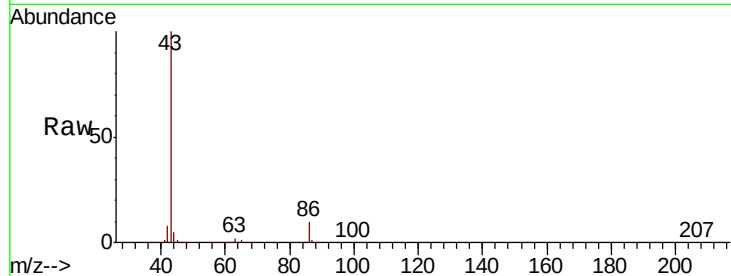
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2880056

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

800000

600000

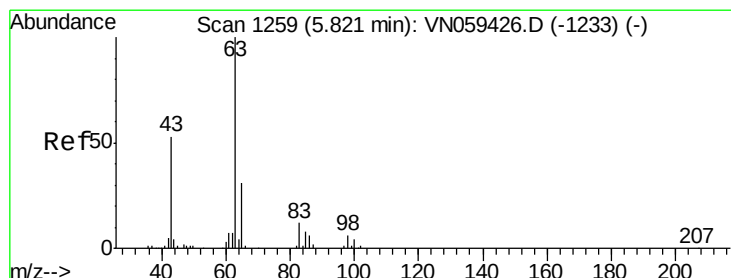
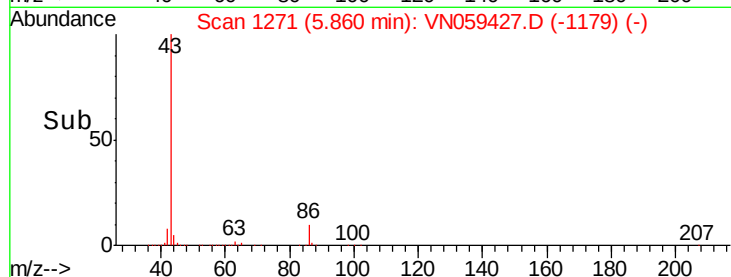
400000

200000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 47.392 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

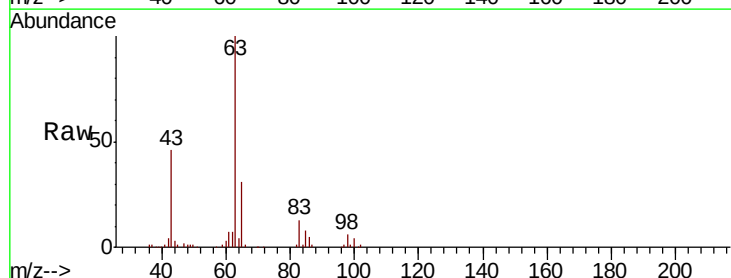
Tgt Ion: 63 Resp: 394335

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

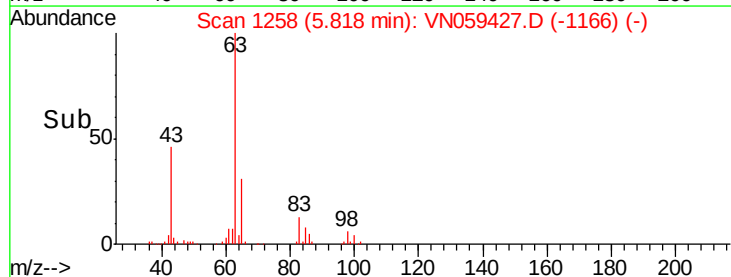
100000

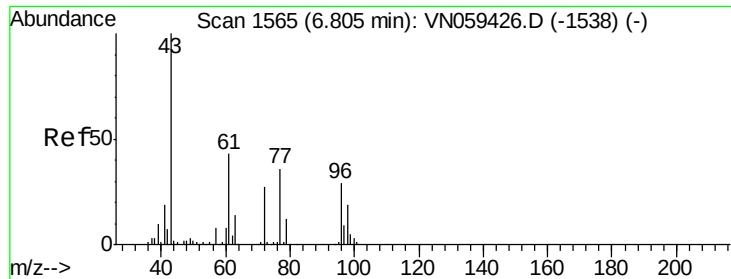
50000

0

5.70 5.80 5.90 6.00

Time-->

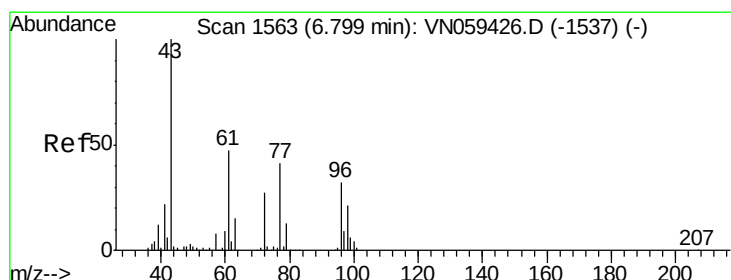
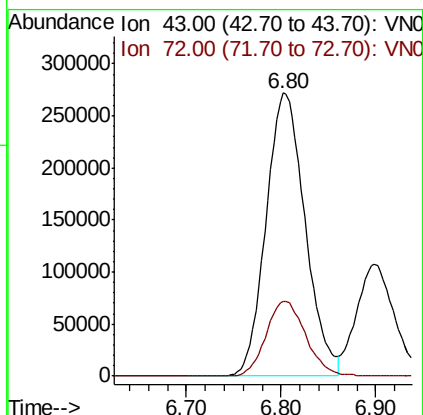
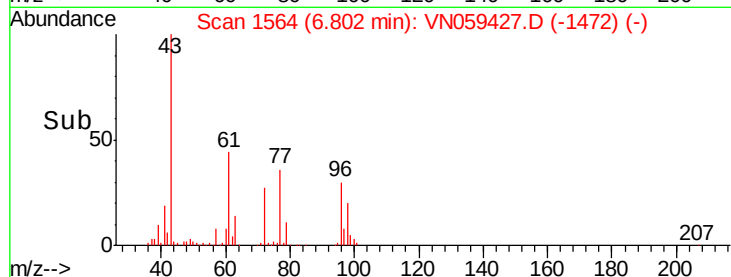
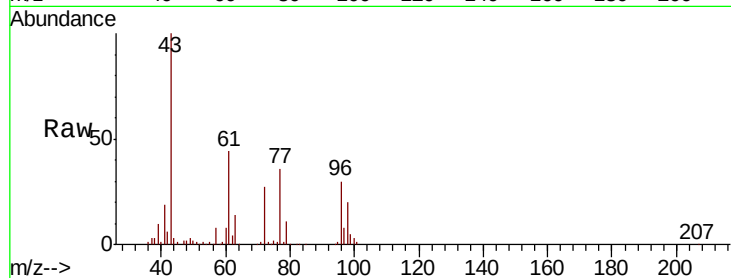




#25
2-Butanone
Concen: 239.691 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

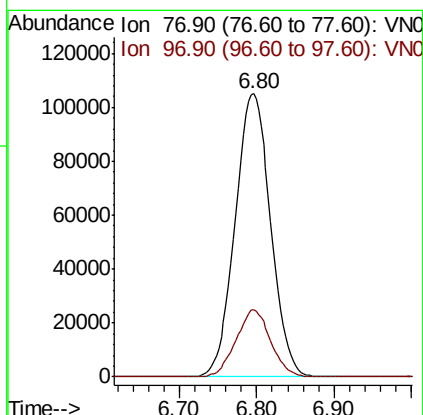
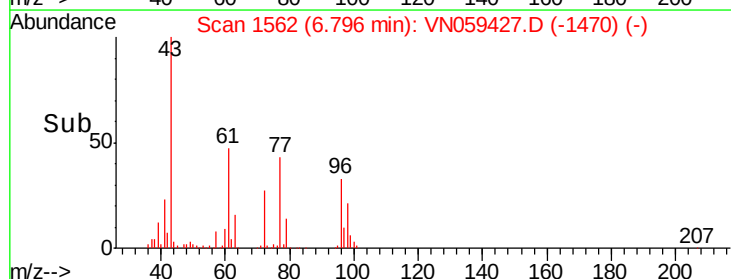
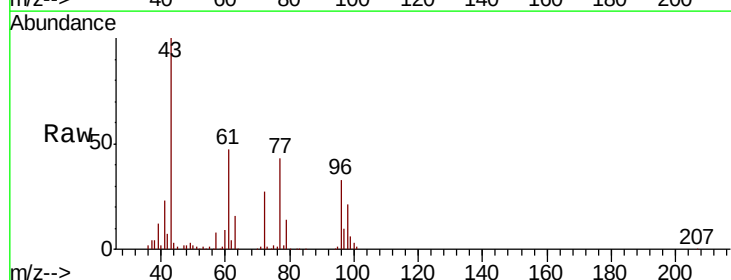
Instrument :
MSVOA_N
ClientSampled :

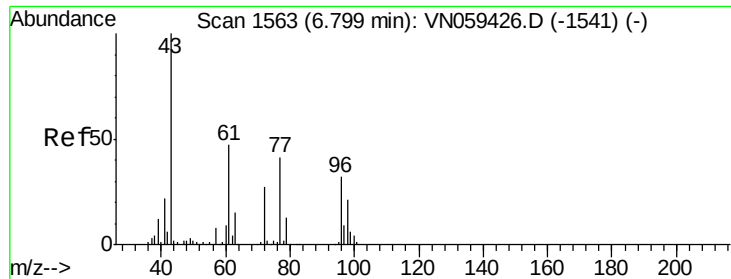
Tot Ion: 43 Resp: 777931
Ion Ratio Lower Upper
43 100
72 26.6 21.4 32.2



#26
2,2-Dichloropropane
Concen: 47.291 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 77 Resp: 334872
Ion Ratio Lower Upper
77 100
97 23.2 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 47.278 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

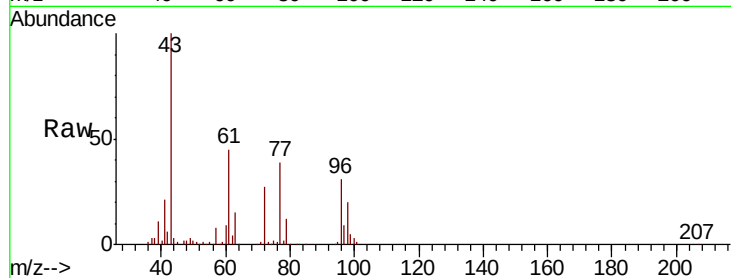
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 96 Resp: 236387

Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	297.6
98	64.2	0.0	130.8

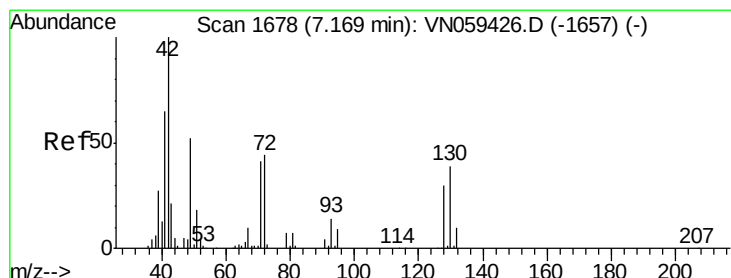
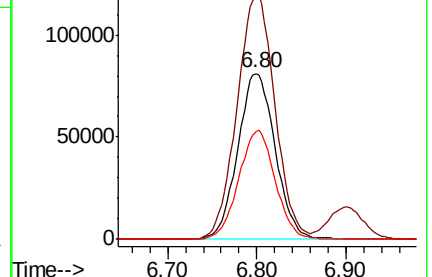
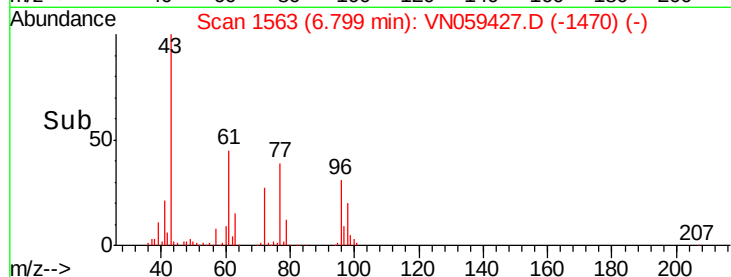


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 40.367 ug/l

RT: 7.17 min Scan# 1678

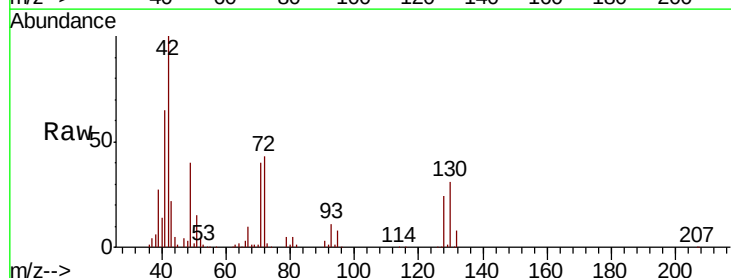
Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion: 49 Resp: 142808

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	75.8	60.5	90.7

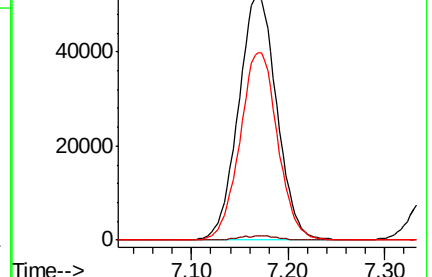
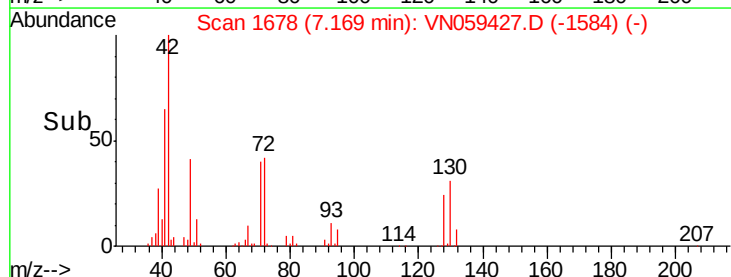


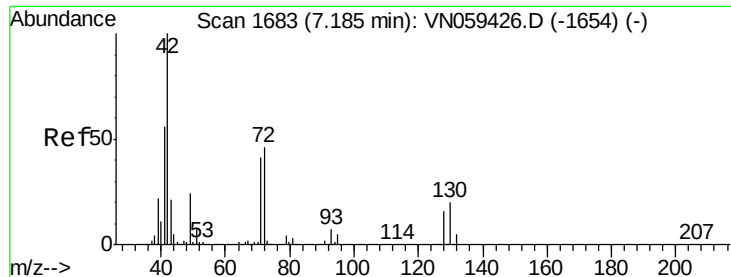
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

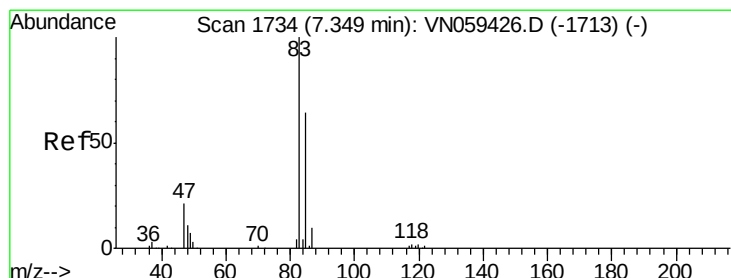
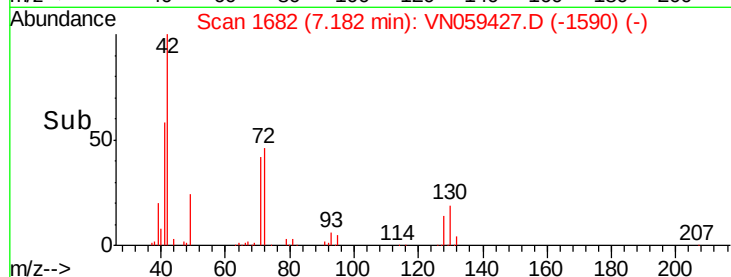
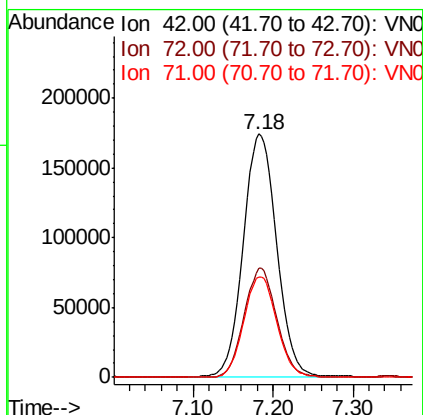
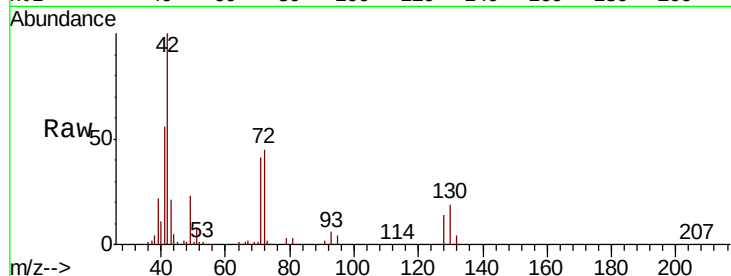




#29
Tetrahydrofuran
Concen: 229.478 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

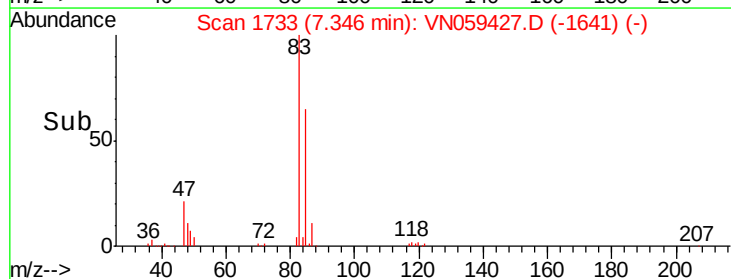
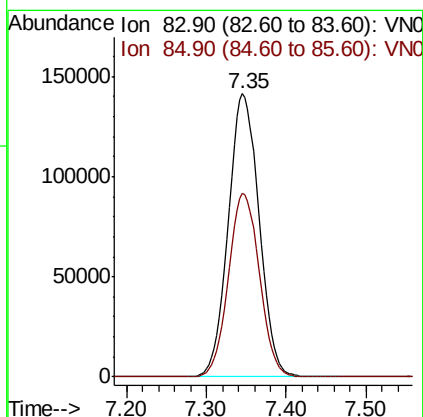
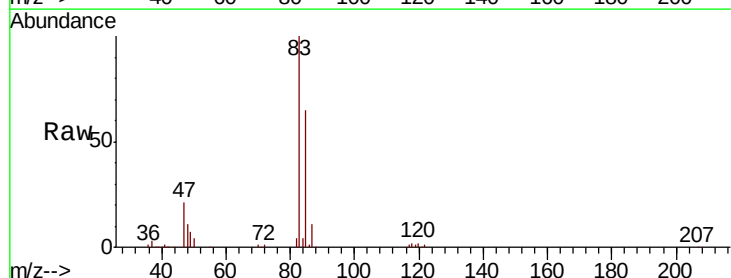
Instrument :
MSVOA_N
ClientSampled :

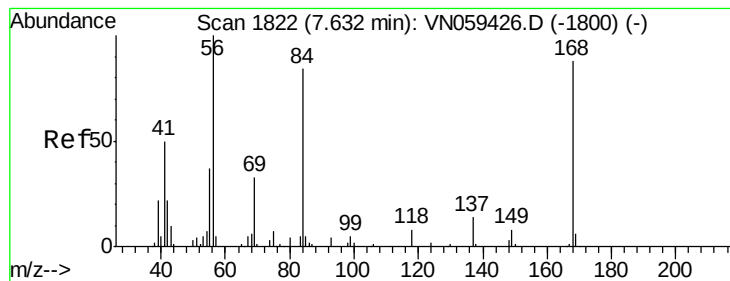
Tot Ion: 42 Resp: 495341
Ion Ratio Lower Upper
42 100
72 43.9 34.6 51.8
71 40.7 33.0 49.6



#30
Chloroform
Concen: 44.090 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 83 Resp: 369177
Ion Ratio Lower Upper
83 100
85 64.8 51.6 77.4





#31

Cyclohexane

Concen: 44.962 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

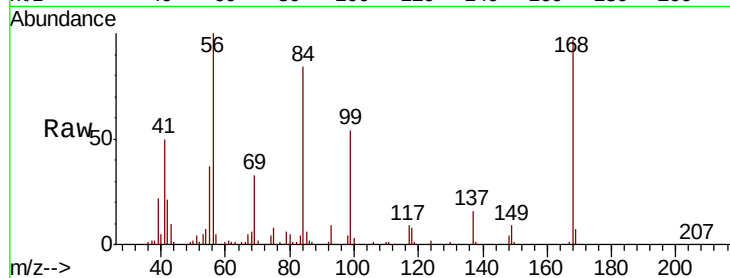
Tot Ion: 56 Resp: 375047

Ion Ratio Lower Upper

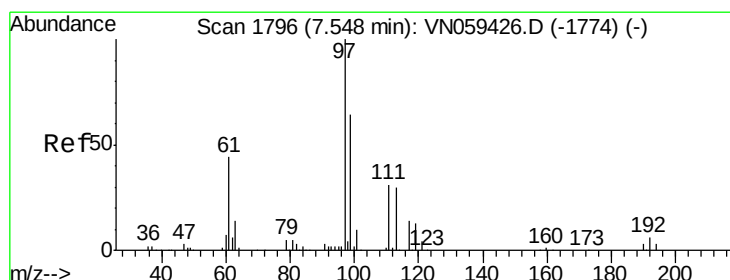
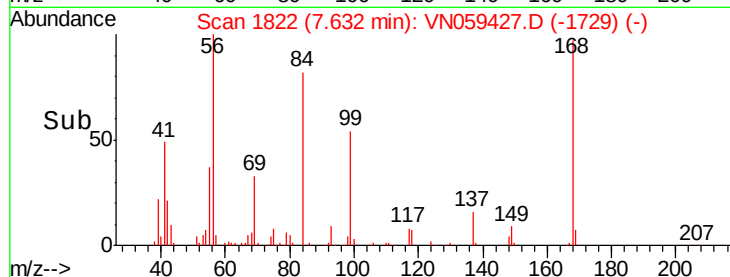
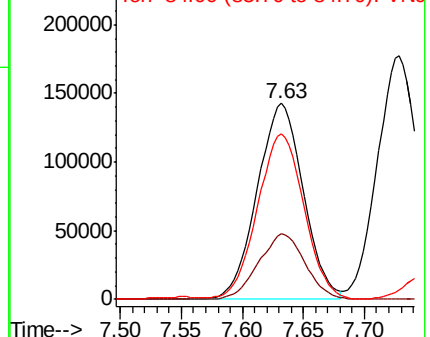
56 100

69 33.4 26.4 39.6

84 83.2 67.0 100.6



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.099 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

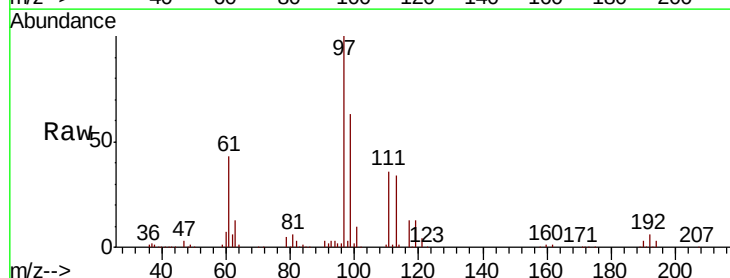
Tgt Ion: 97 Resp: 322505

Ion Ratio Lower Upper

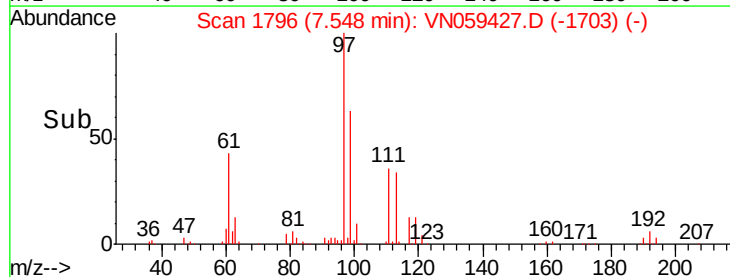
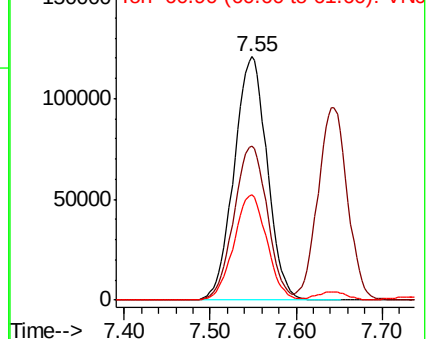
97 100

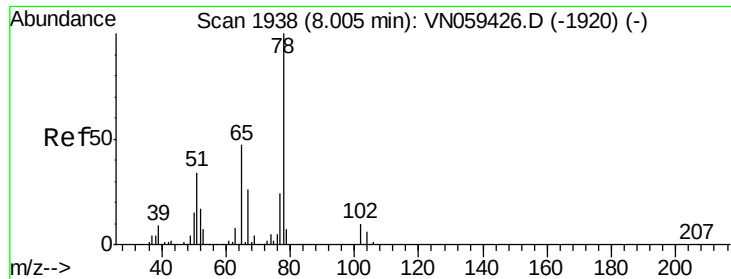
99 63.9 50.9 76.3

61 43.3 34.3 51.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

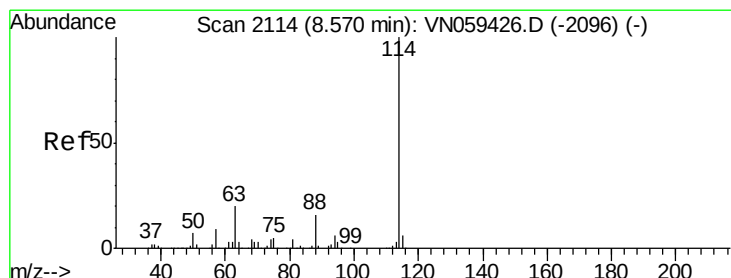
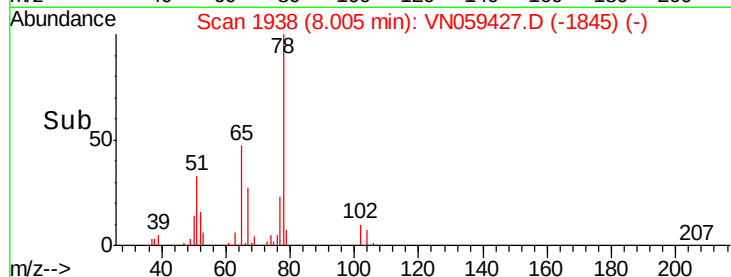
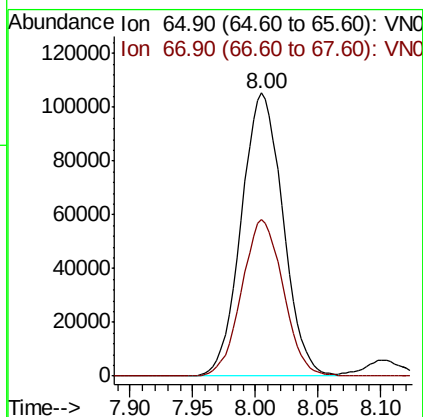
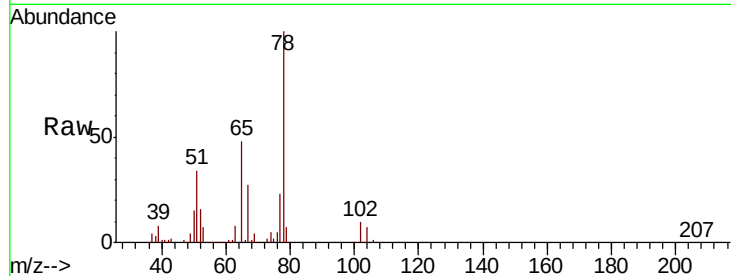




#33
 1,2-Dichloroethane-d4
 Concen: 49.193 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

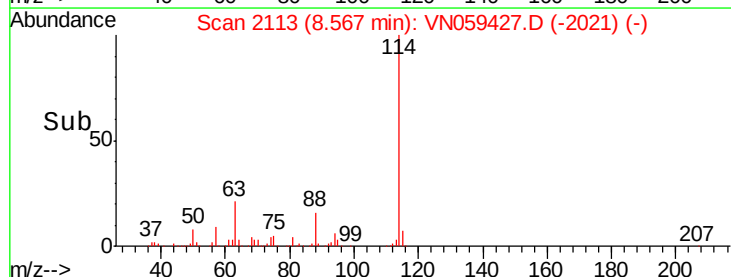
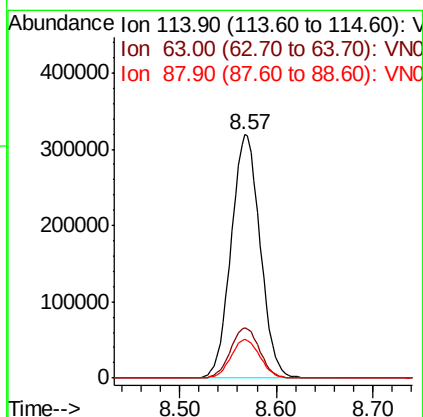
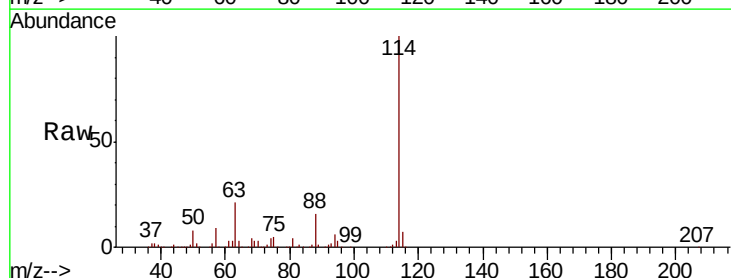
Instrument :
 MSVOA_N
 ClientSampled :

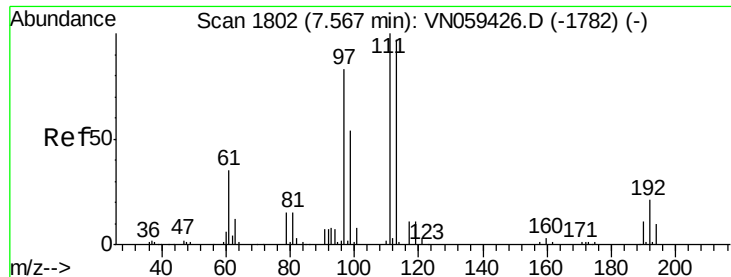
Tot Ion: 65 Resp: 243614
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion: 114 Resp: 665134
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.4
 88 15.8 0.0 32.2

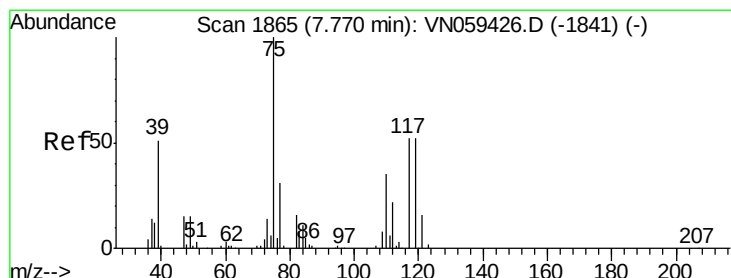
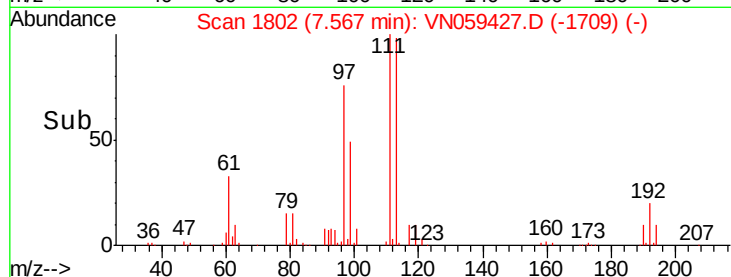
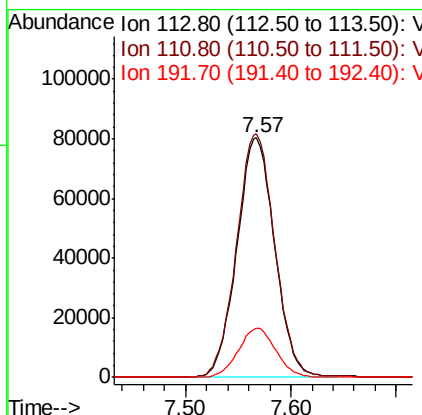
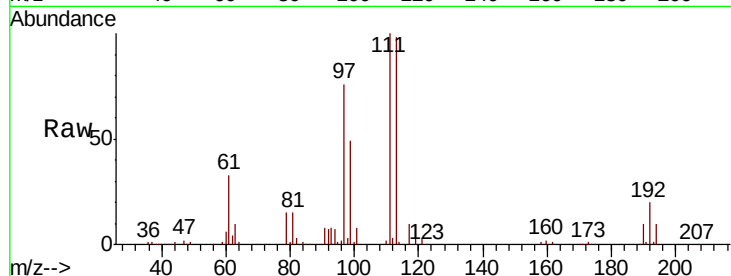




#35
Dibromofluoromethane
Concen: 49.393 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

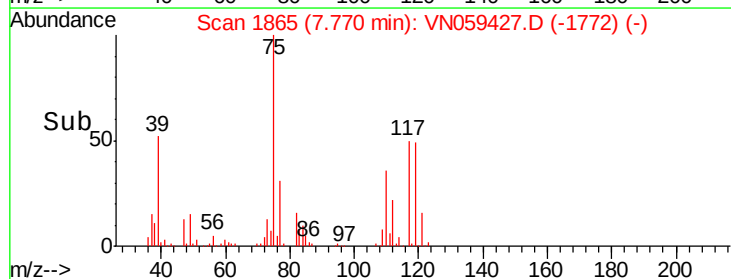
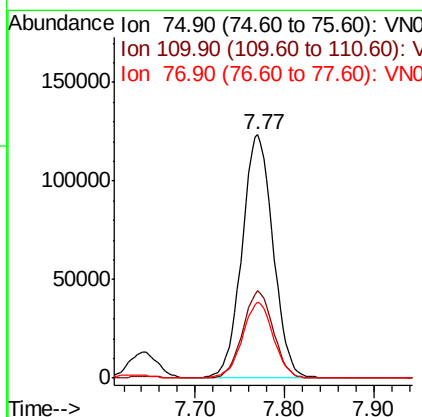
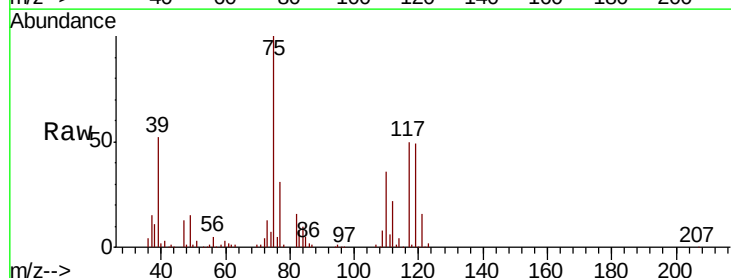
Instrument :
MSVOA_N
ClientSampled :

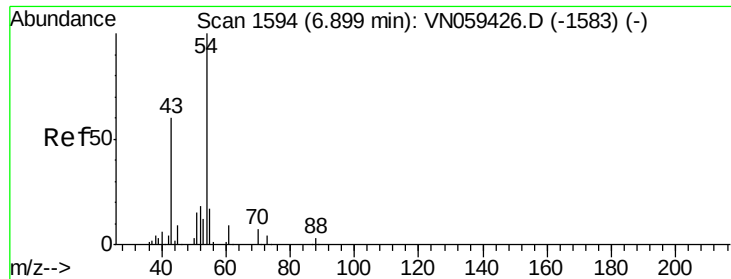
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	20.4	16.6	24.8



#36
1,1-Dichloropropene
Concen: 46.836 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.3	52.0
77	31.0	24.9	37.3

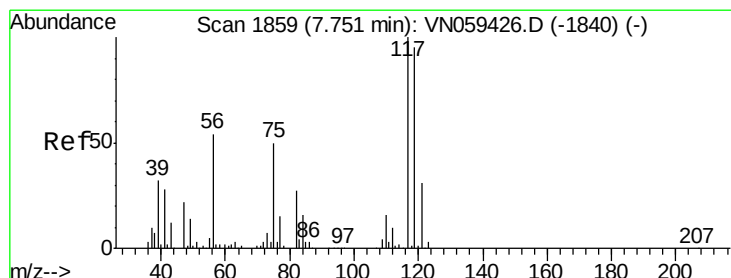
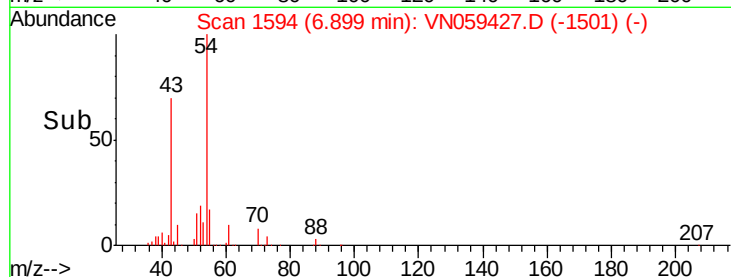
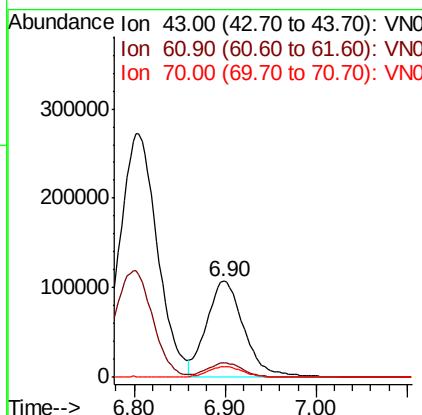
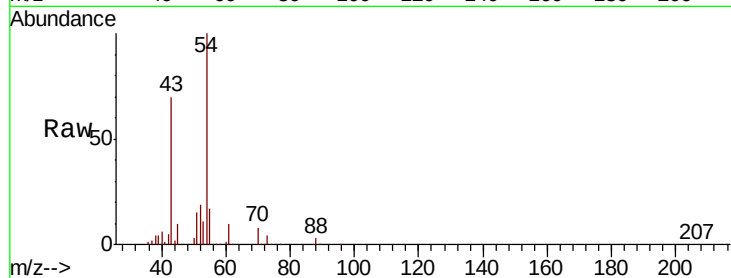




#37
Ethyl Acetate
Concen: 44.966 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

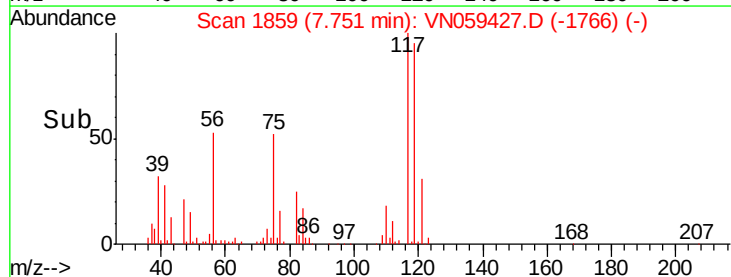
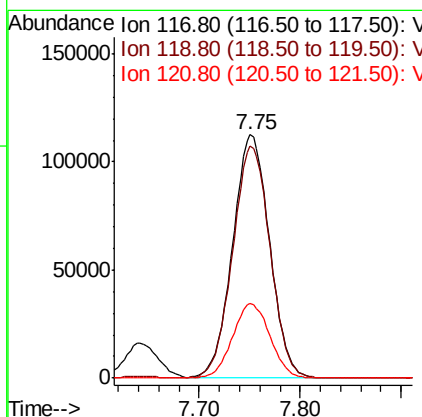
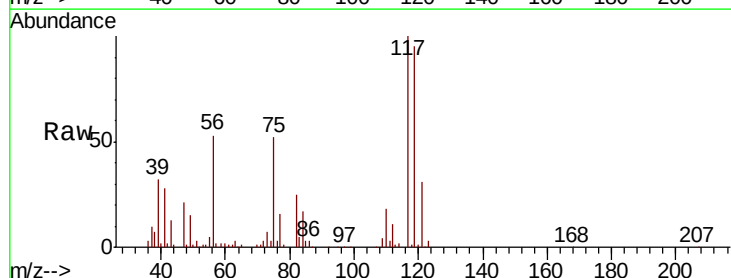
Instrument :
MSVOA_N
ClientSampleId :

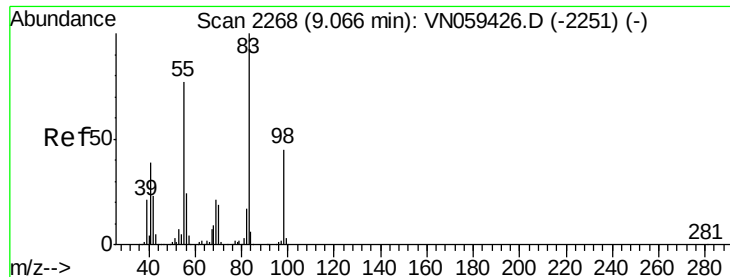
Tot Ion: 43 Resp: 304297
Ion Ratio Lower Upper
43 100
61 14.9 12.2 18.2
70 10.7 8.8 13.2



#38
Carbon Tetrachloride
Concen: 47.449 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 117 Resp: 286419
Ion Ratio Lower Upper
117 100
119 95.4 75.9 113.9
121 30.7 24.6 36.8

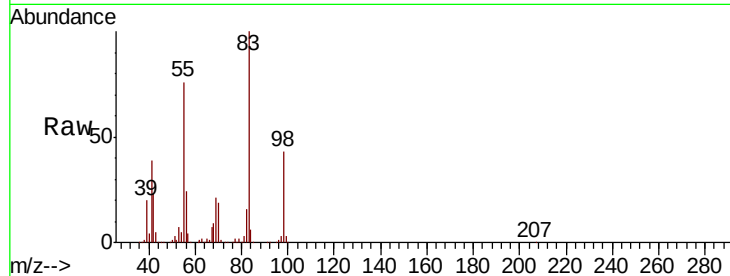




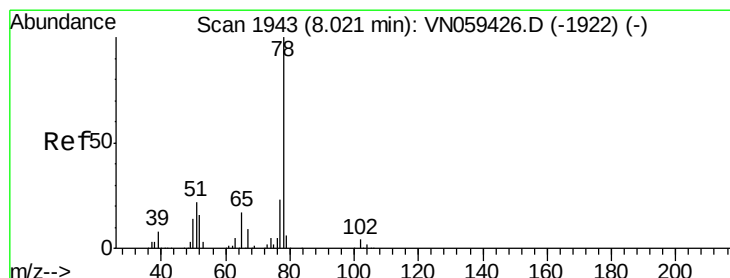
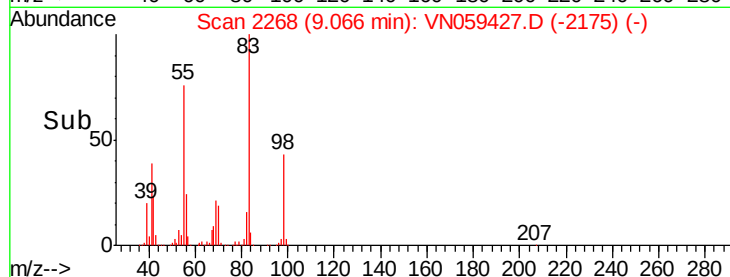
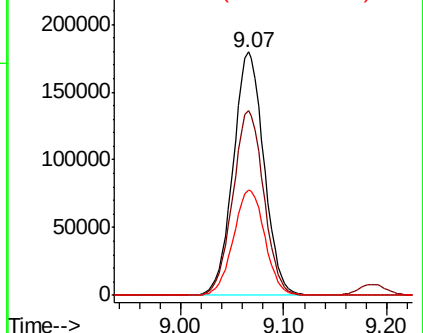
#39
Methylvlcyclohexane
Concen: 48.647 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 372257
Ion Ratio Lower Upper
83 100
55 76.1 61.6 92.4
98 43.0 35.7 53.5

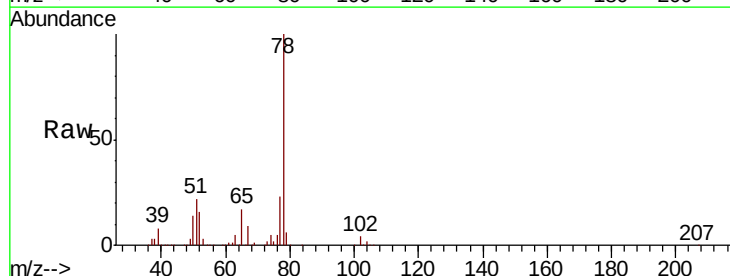


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

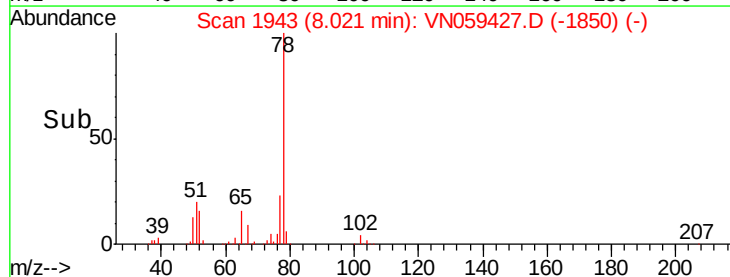
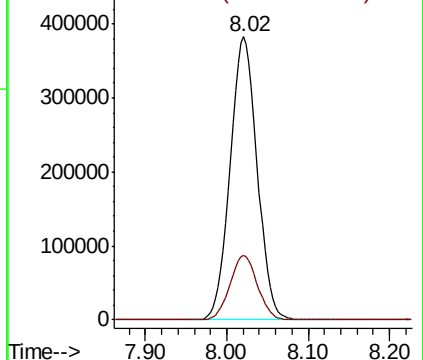


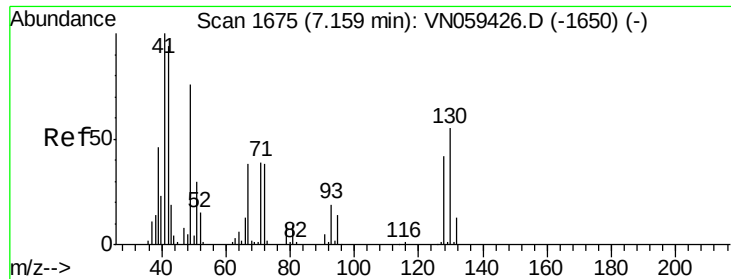
#40
Benzene
Concen: 46.661 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 78 Resp: 886166
Ion Ratio Lower Upper
78 100
77 22.9 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

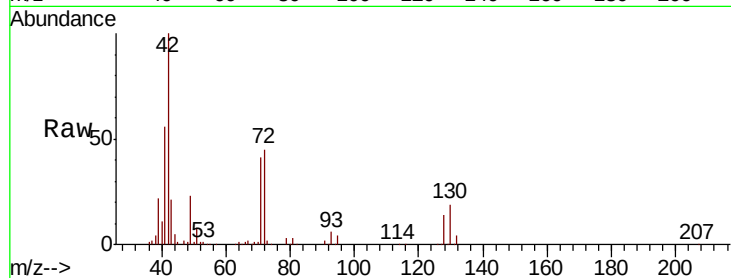




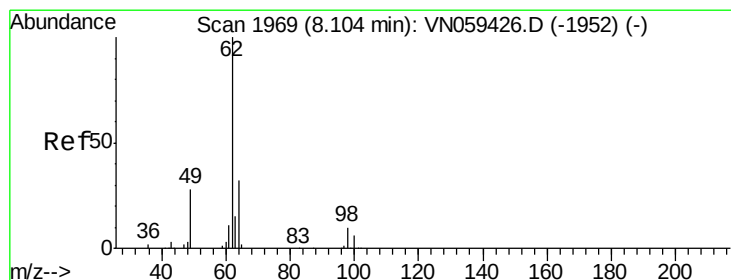
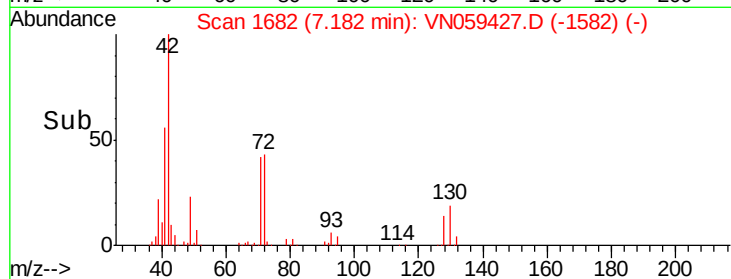
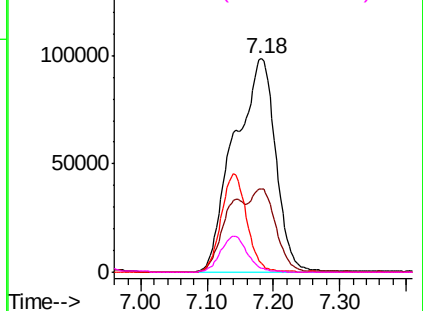
#41
Methacrylonitrile
Concen: 135.065 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.02 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	425610
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

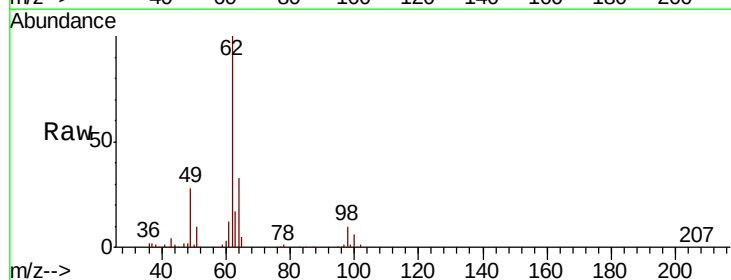


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

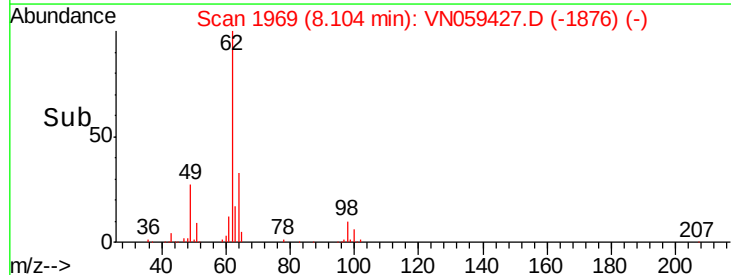
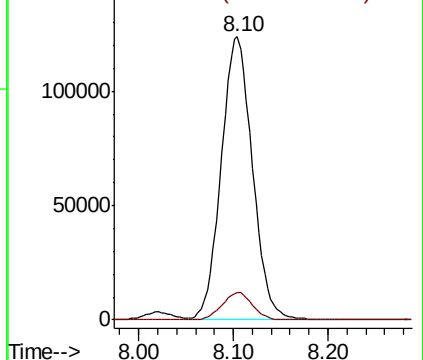


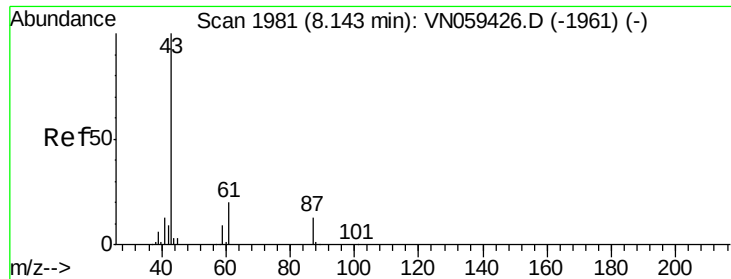
#42
1,2-Dichloroethane
Concen: 47.199 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion:	62	Resp:	284235
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

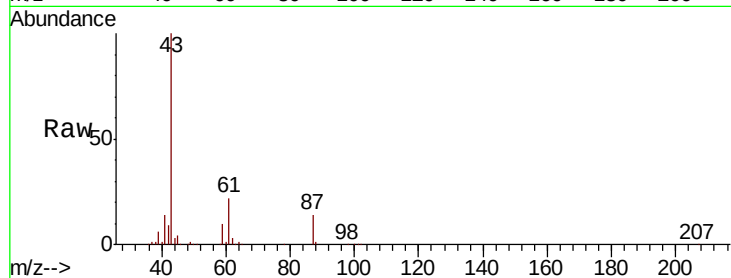




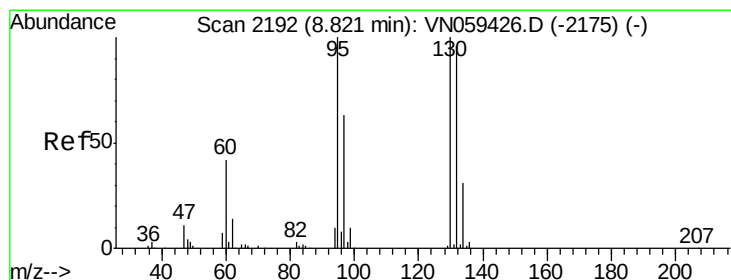
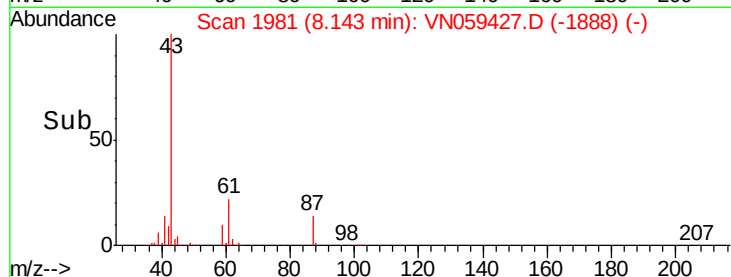
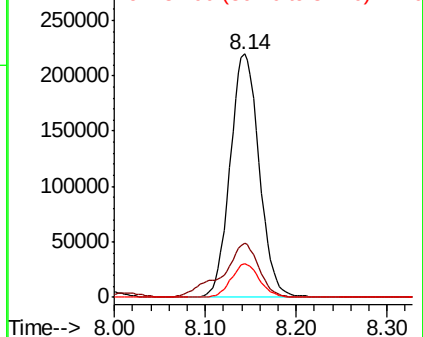
#43
Isopropyl Acetate
Concen: 47.127 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 484498
Ion Ratio Lower Upper
43 100
61 27.9 22.2 33.2
87 13.6 10.7 16.1

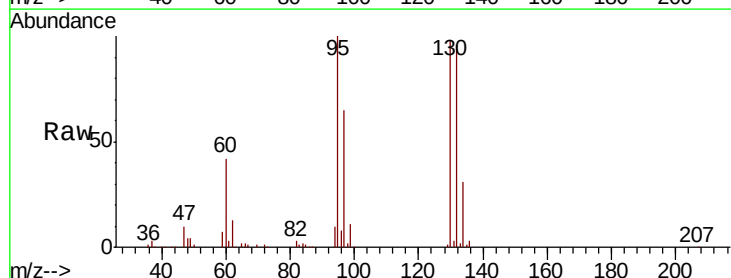


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

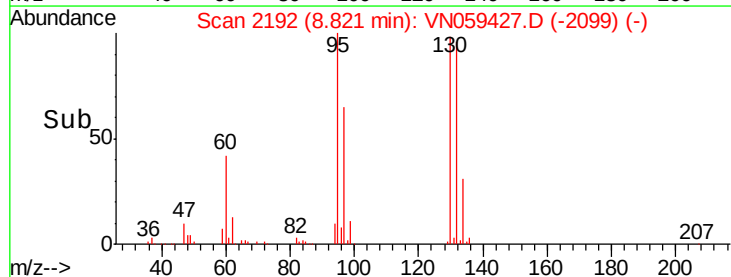
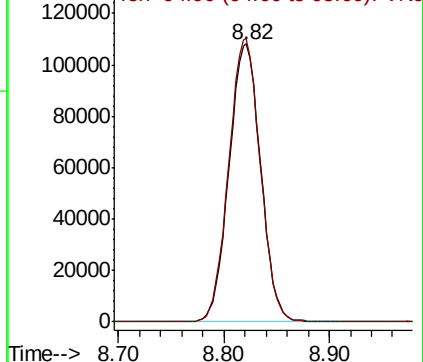


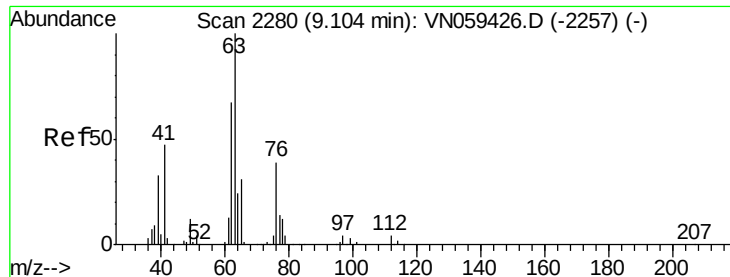
#44
Trichloroethene
Concen: 46.441 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion:130 Resp: 224890
Ion Ratio Lower Upper
130 100
95 101.8 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 46.890 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

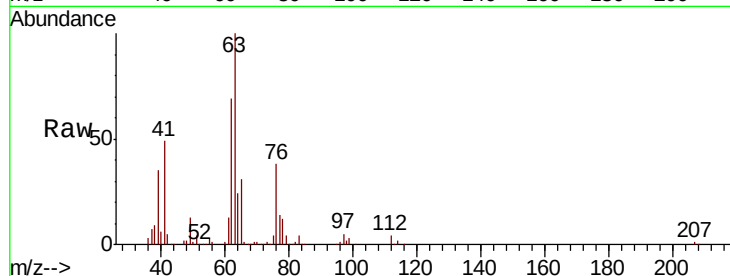
ClientSampleId :

Tot Ion: 63 Resp: 232929

Ion Ratio Lower Upper

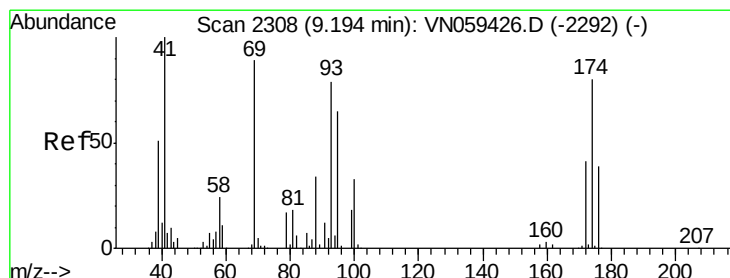
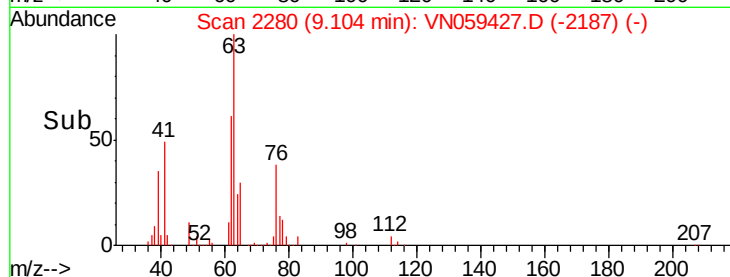
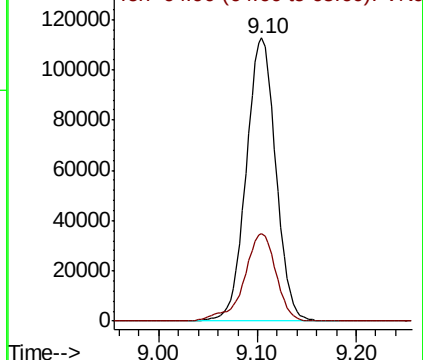
63 100

65 31.1 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 46.942 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

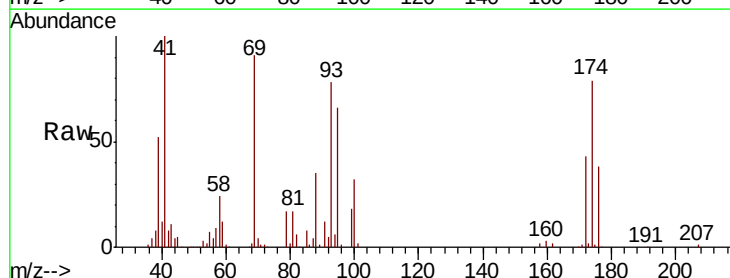
Tgt Ion: 93 Resp: 143903

Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.4

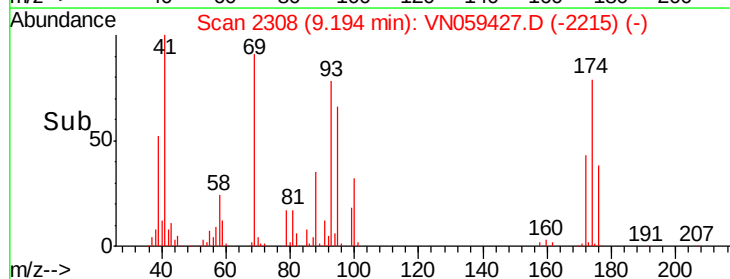
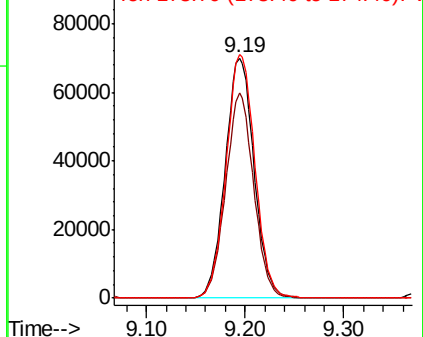
174 100.9 81.8 122.8

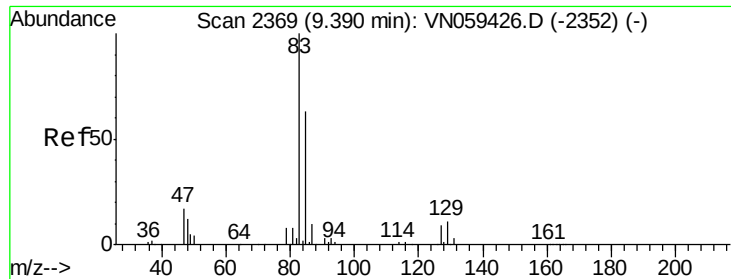


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

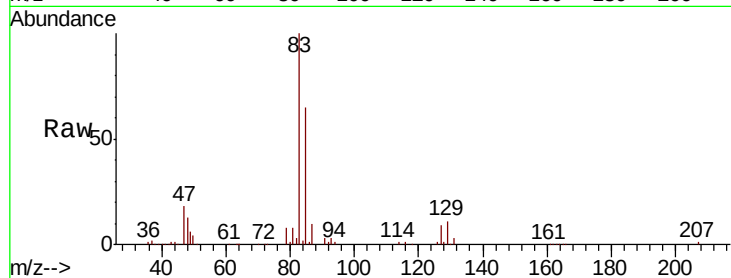




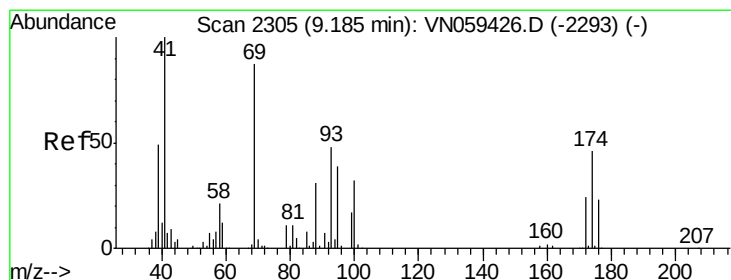
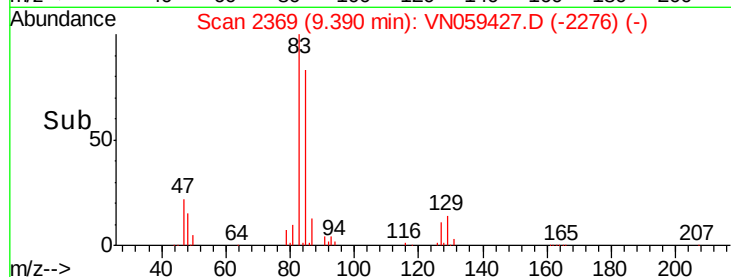
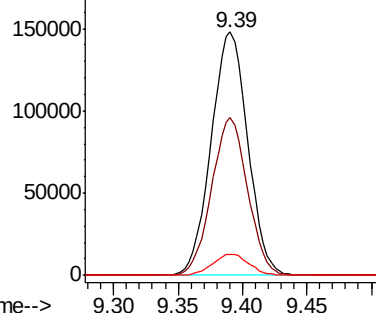
#47
Bromodichloromethane
Concen: 47.139 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 292272
Ion Ratio Lower Upper
83 100
85 64.7 50.6 75.8
127 8.6 6.8 10.2

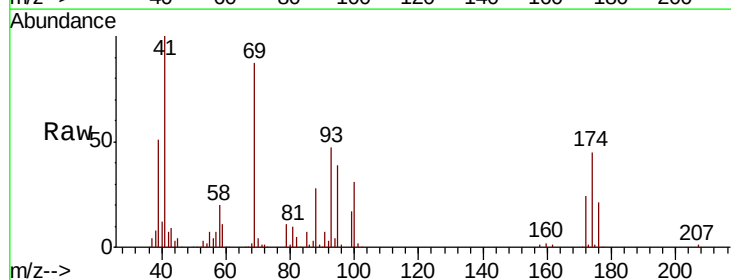


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

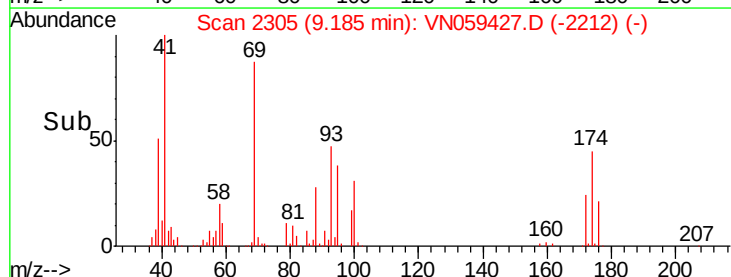
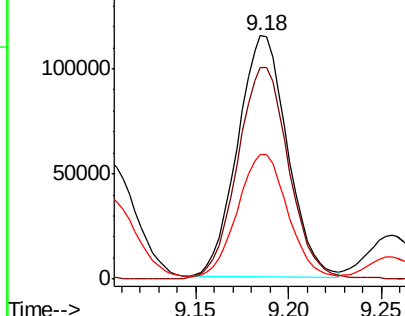


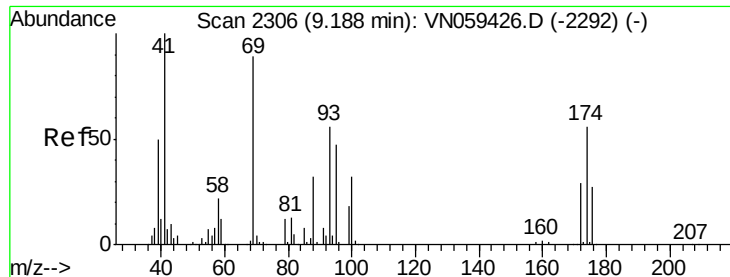
#48
Methyl methacrylate
Concen: 46.934 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 41 Resp: 214073
Ion Ratio Lower Upper
41 100
69 91.0 71.6 107.4
39 52.7 41.3 61.9



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

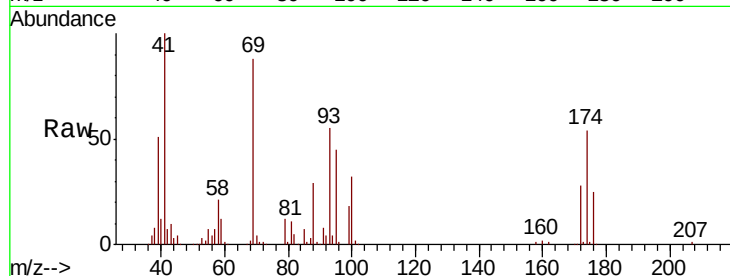




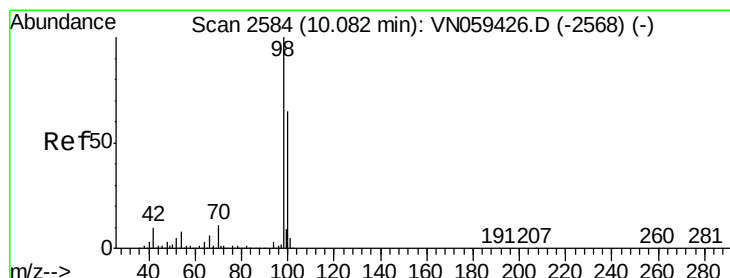
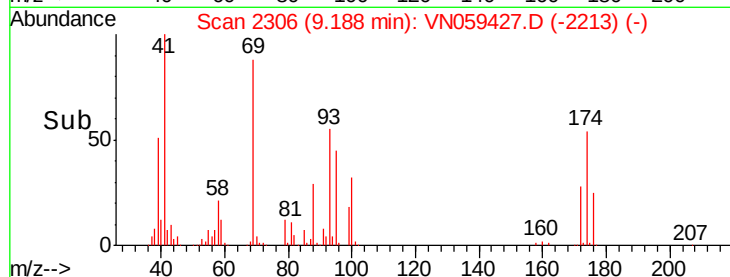
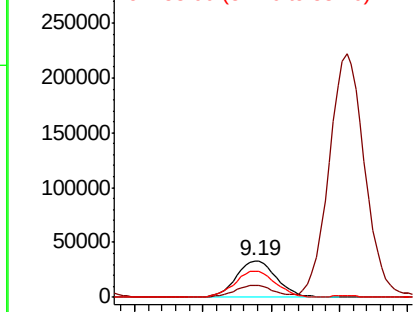
#49
 1,4-Dioxane
 Concen: 1043.467 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 69510
 Ion Ratio Lower Upper
 88 100
 43 32.5 23.7 35.5
 58 72.2 56.3 84.5

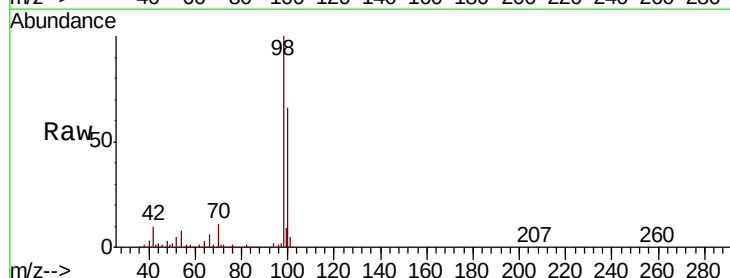


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

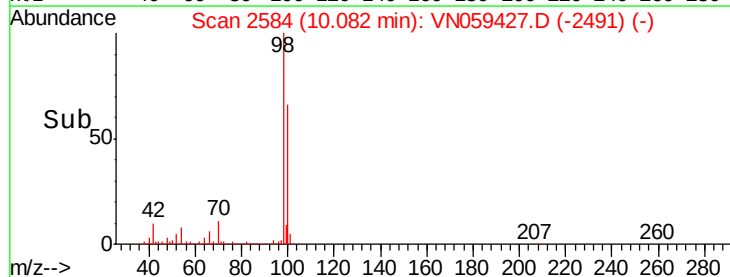
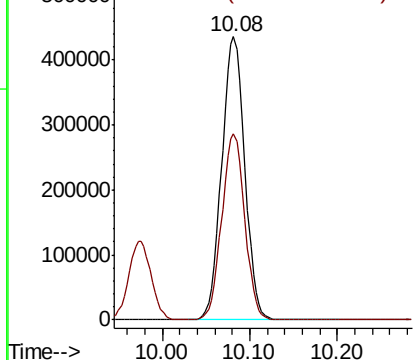


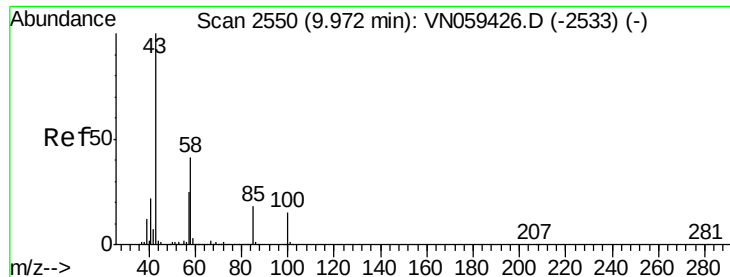
#50
 Toluene-d8
 Concen: 49.315 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion: 98 Resp: 796098
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.2 78.2



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

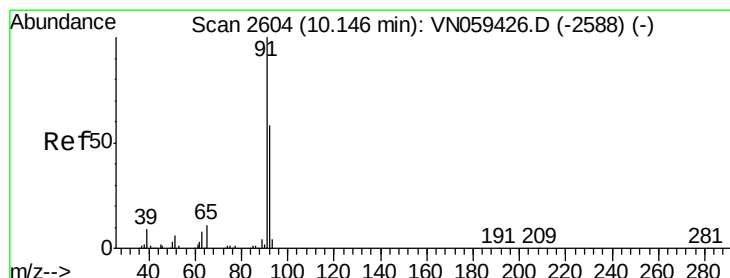
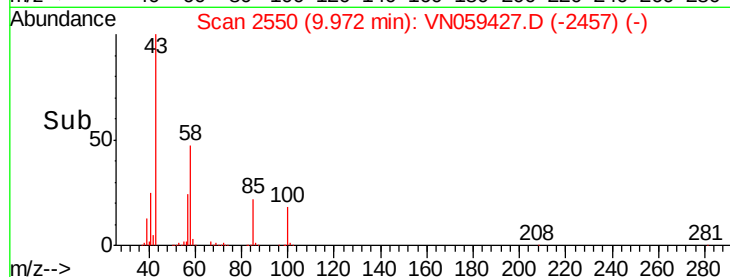
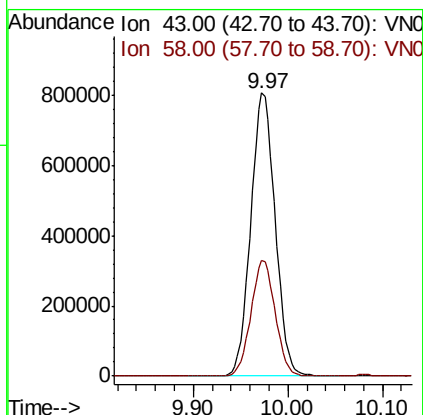
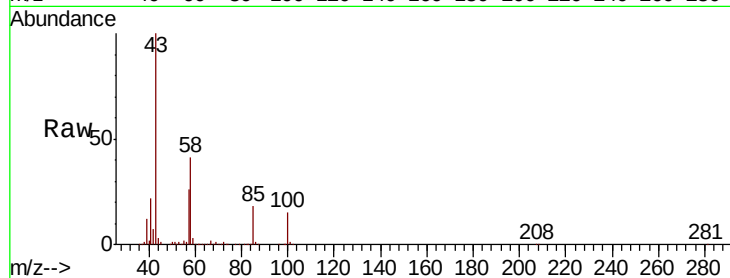




#51
4-Methyl-2-Pentanone
Concen: 242.224 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

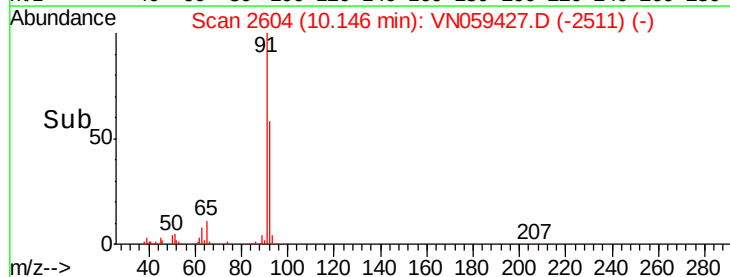
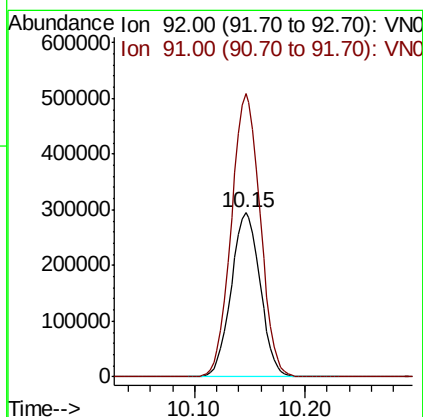
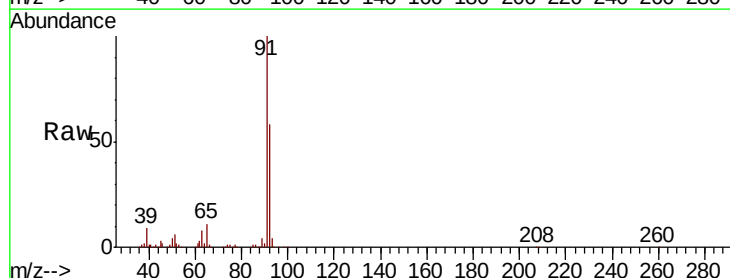
Instrument :
MSVOA_N
ClientSampled :

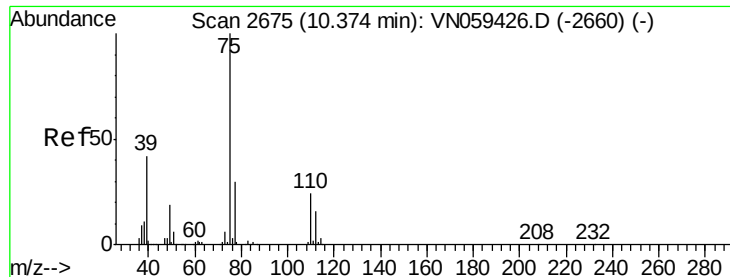
Tot Ion: 43 Resp: 1444423
Ion Ratio Lower Upper
43 100
58 40.6 32.5 48.7



#52
Toluene
Concen: 47.402 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 92 Resp: 537827
Ion Ratio Lower Upper
92 100
91 171.8 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 47.744 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

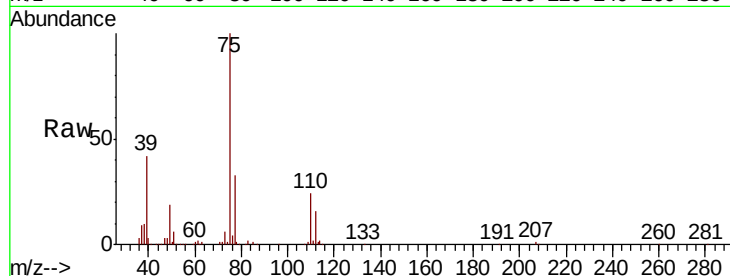
ClientSampleId :

Tot Ion: 75 Resp: 340150

Ion Ratio Lower Upper

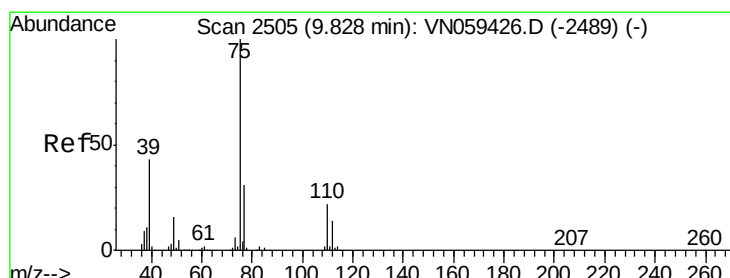
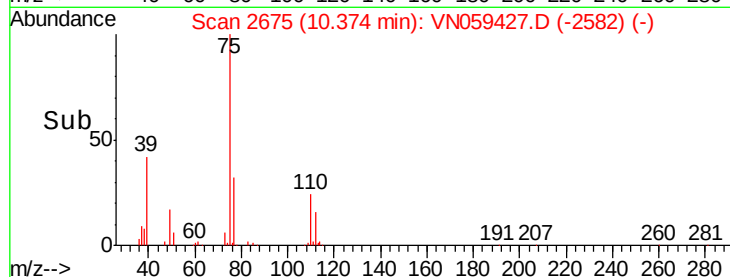
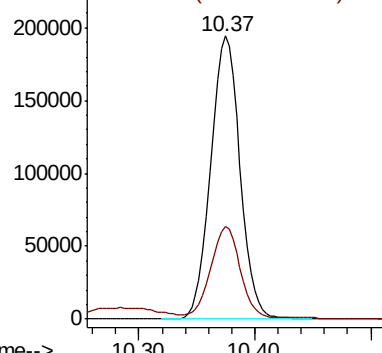
75 100

77 32.1 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.566 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

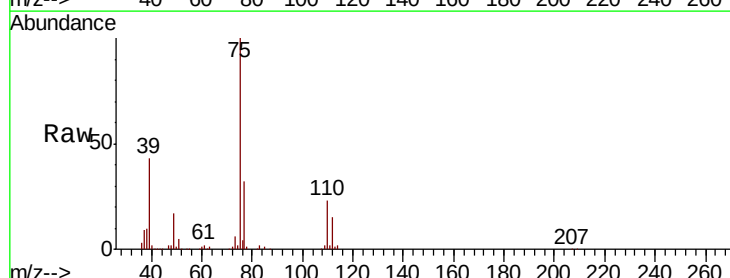
Tgt Ion: 75 Resp: 373514

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

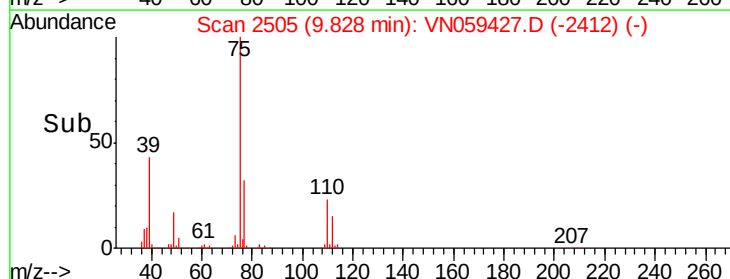
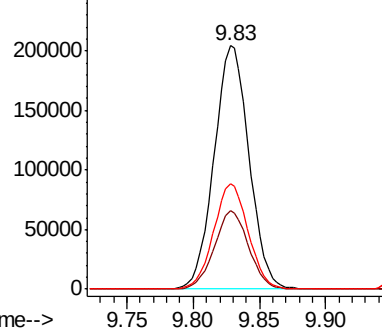
39 43.2 34.0 51.0

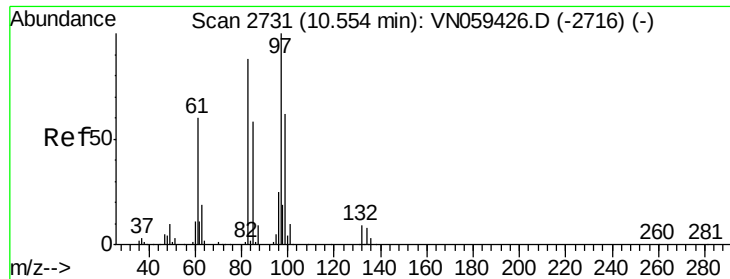


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 46.565 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 206794

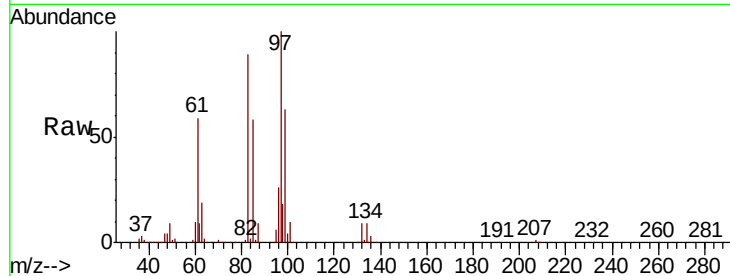
Ion Ratio Lower Upper

97 100

83 88.6 70.7 106.1

85 57.7 46.4 69.6

99 63.2 49.6 74.4

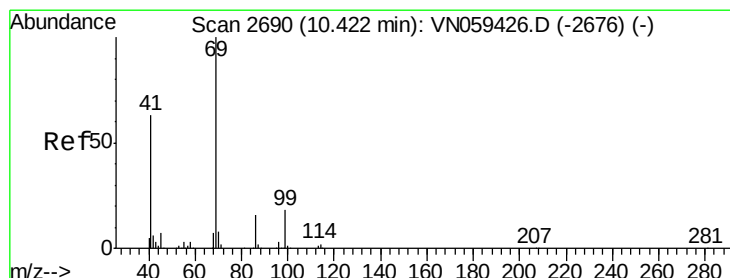
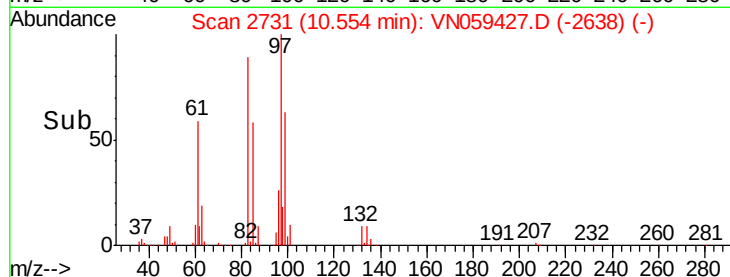
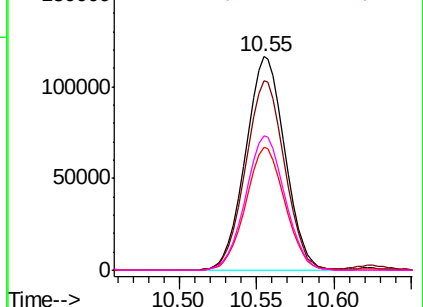


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 51.966 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

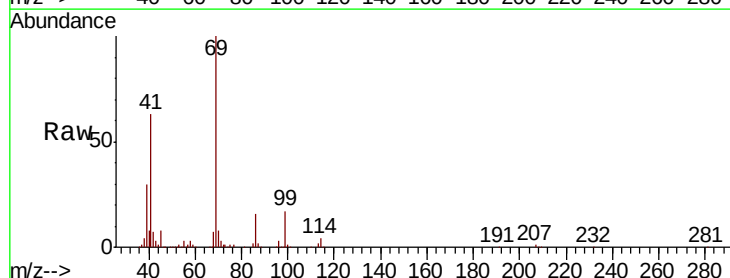
Tgt Ion: 69 Resp: 325601

Ion Ratio Lower Upper

69 100

41 63.1 50.1 75.1

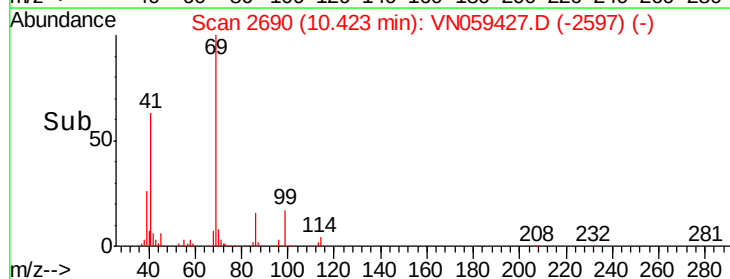
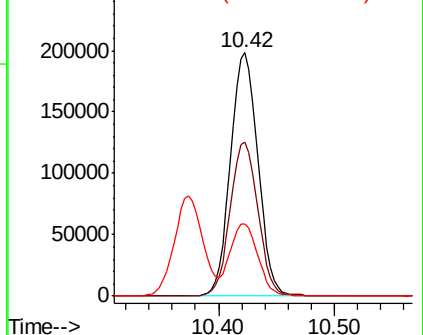
39 29.9 23.9 35.9

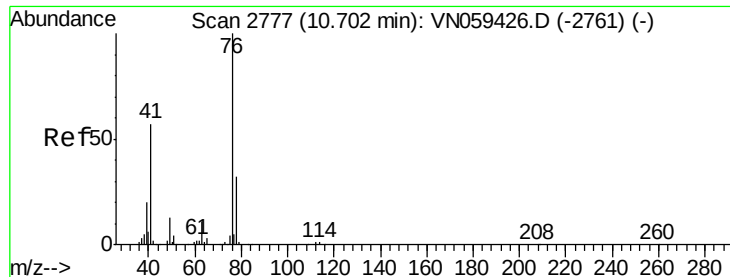


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 46.810 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

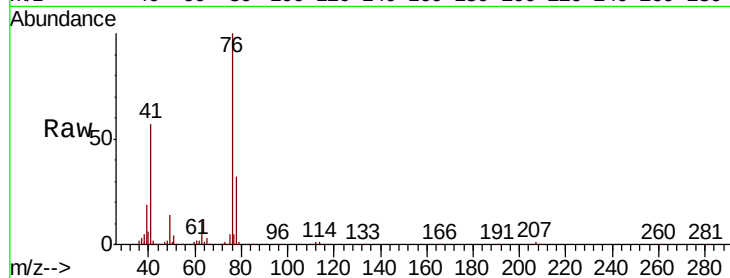
ClientSampled :

Tot Ion: 76 Resp: 359289

Ion Ratio Lower Upper

76 100

78 32.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

200000

150000

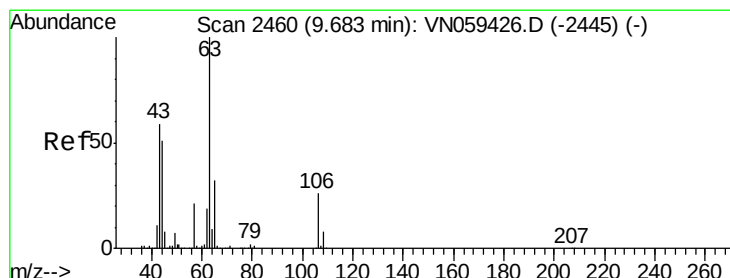
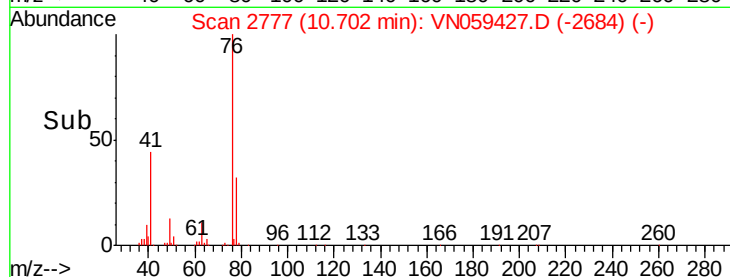
100000

50000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 247.140 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059427.D

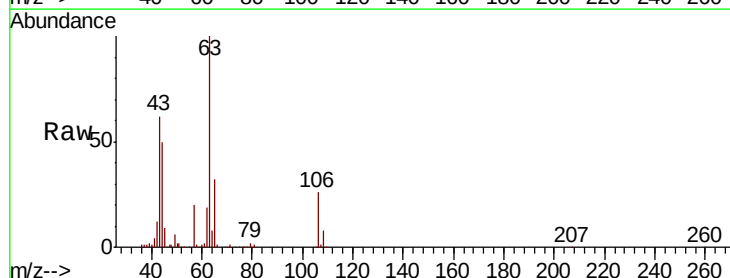
Acq: 27 Nov 2019 17:19

Tgt Ion: 63 Resp: 470258

Ion Ratio Lower Upper

63 100

106 25.8 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

300000

250000

200000

150000

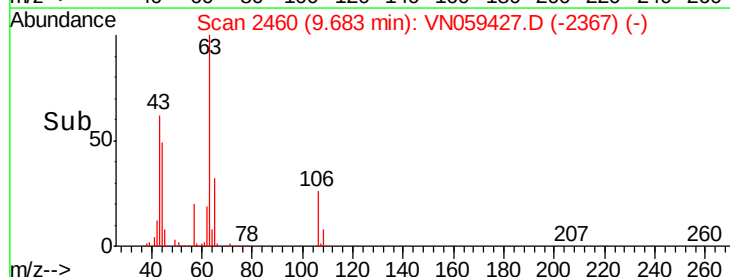
100000

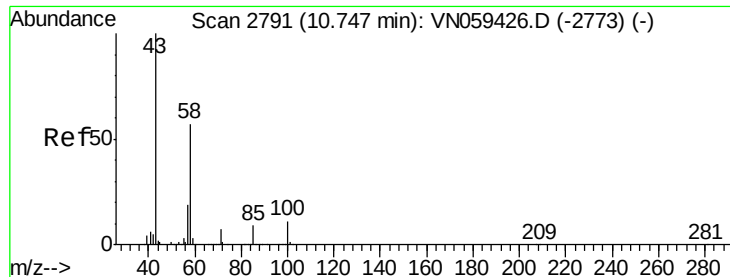
50000

0

Time-->

9.60 9.70 9.80

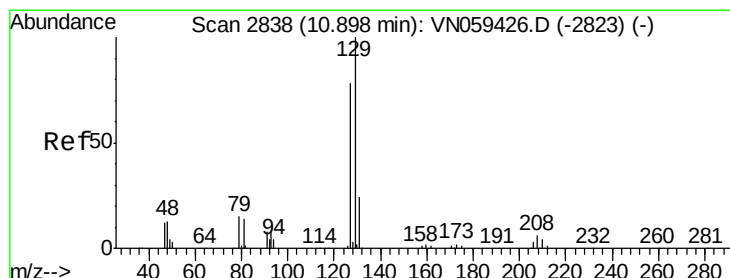
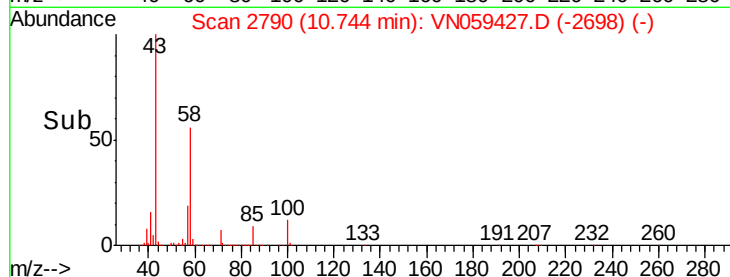
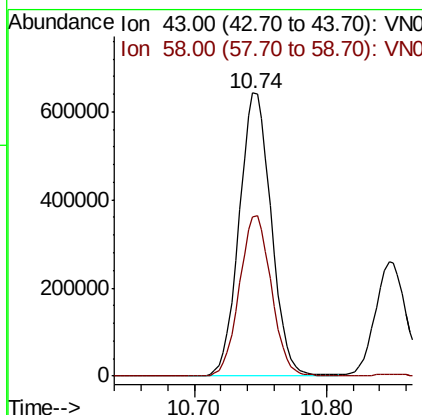
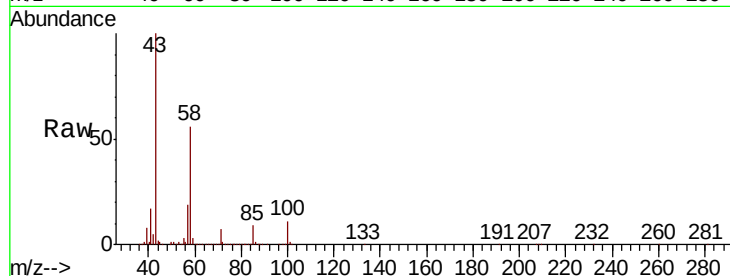




#59
2-Hexanone
Concen: 244.034 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

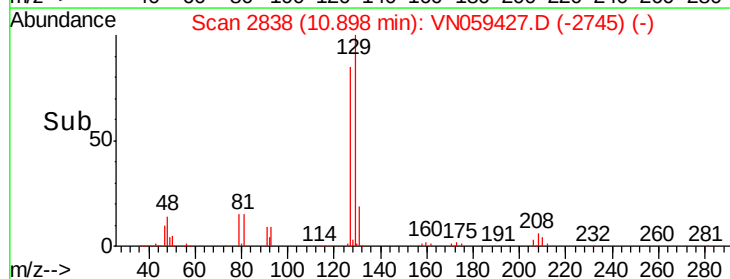
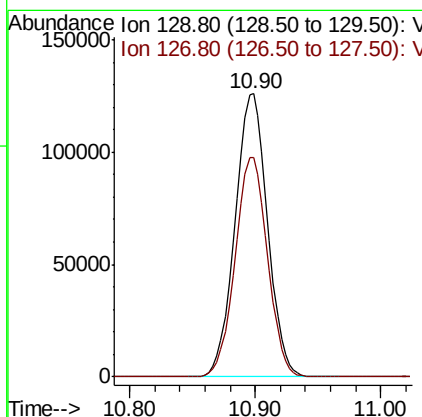
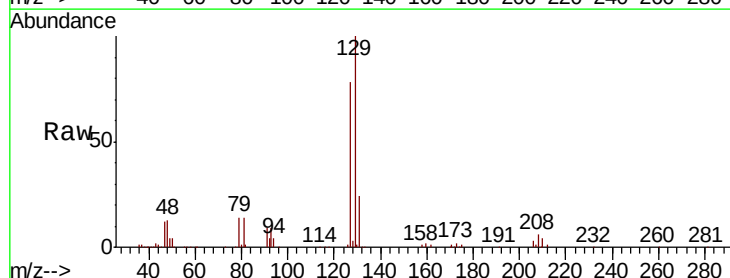
Instrument :
MSVOA_N
ClientSampleId :

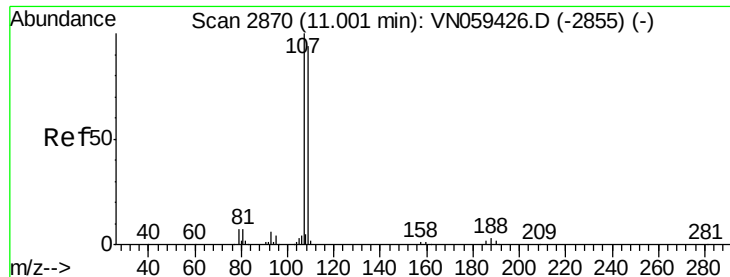
Tot Ion: 43 Resp: 1079071
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0



#60
Dibromochloromethane
Concen: 48.859 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 129 Resp: 226491
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 47.515 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

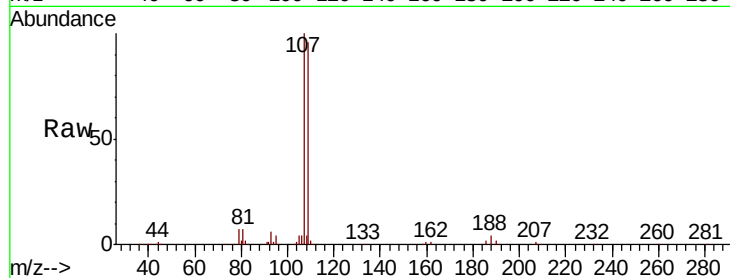
ClientSampled :

Tot Ion: 107 Resp: 216227

Ion Ratio Lower Upper

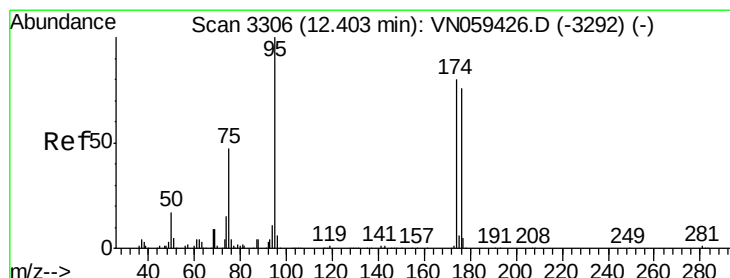
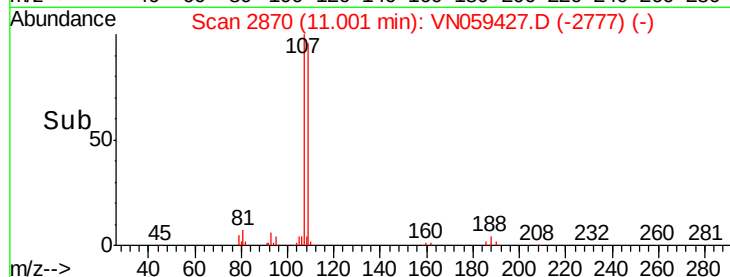
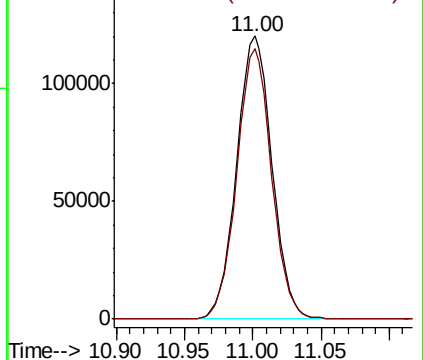
107 100

109 93.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.214 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

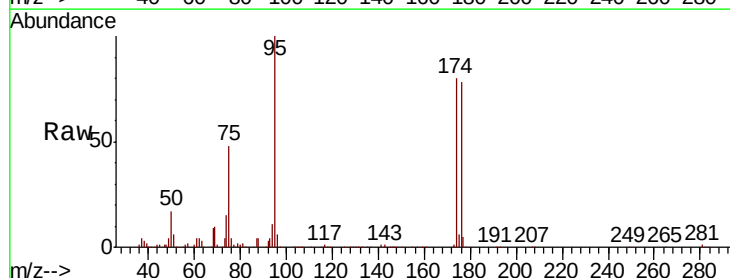
Tgt Ion: 95 Resp: 282244

Ion Ratio Lower Upper

95 100

174 79.3 0.0 158.0

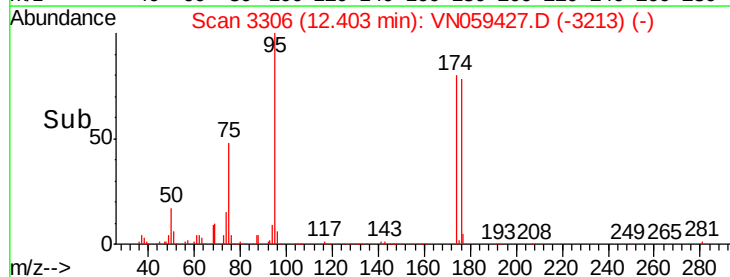
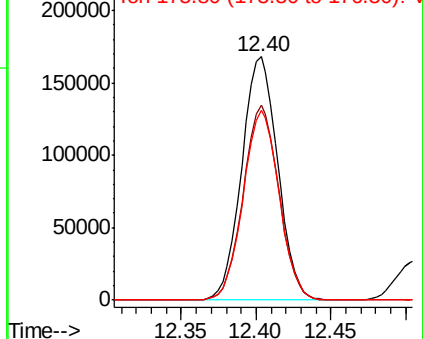
176 77.6 0.0 153.0

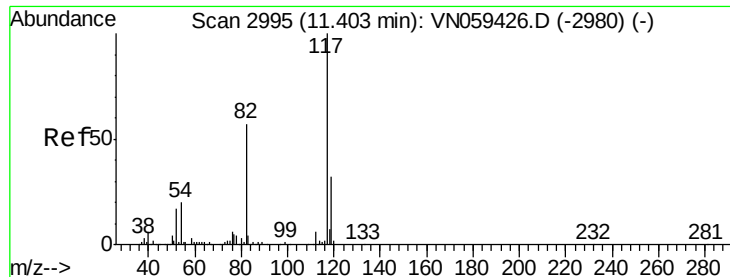


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

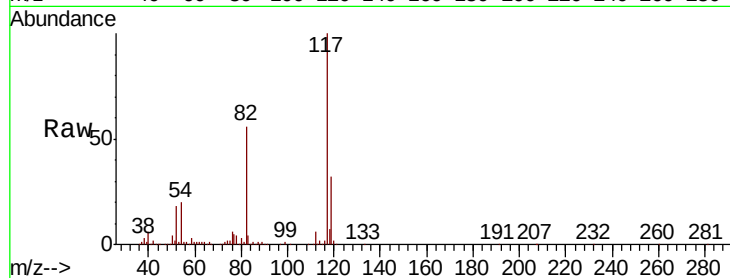
Tot Ion:117 Resp: 589724

Ion Ratio Lower Upper

117 100

82 56.3 45.4 68.0

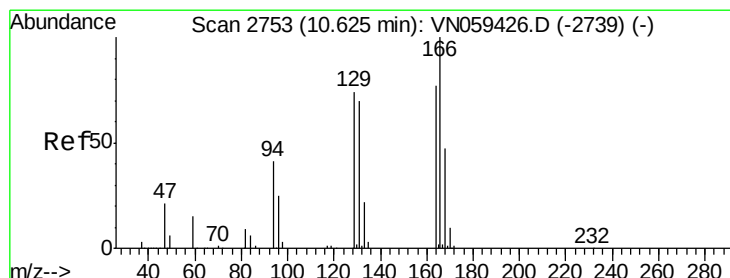
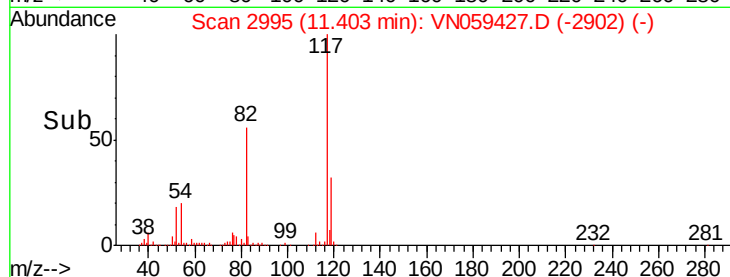
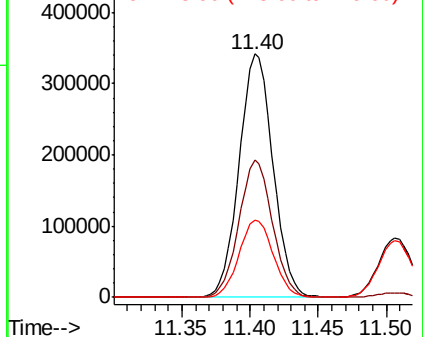
119 32.0 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 46.866 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:164 Resp: 204426

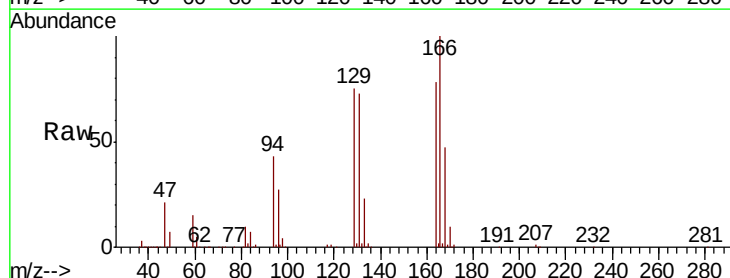
Ion Ratio Lower Upper

164 100

166 127.8 104.2 156.4

129 96.3 76.8 115.2

131 93.0 73.0 109.6

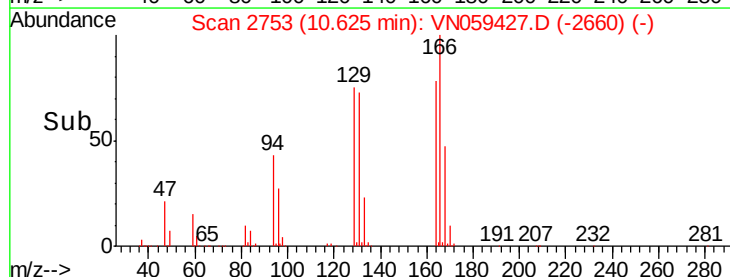
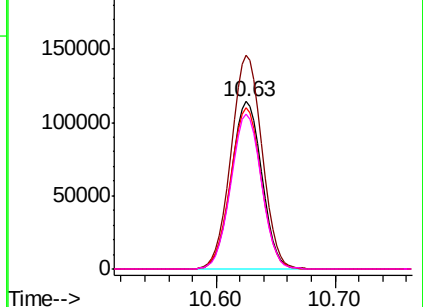


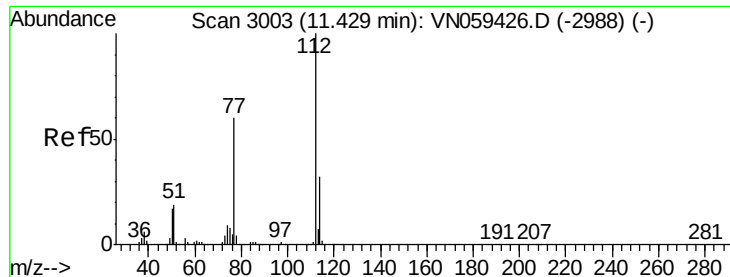
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 46.839 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

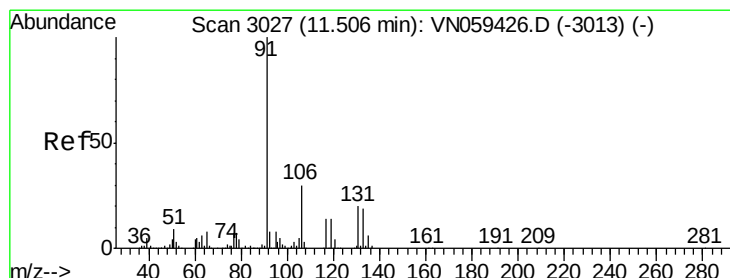
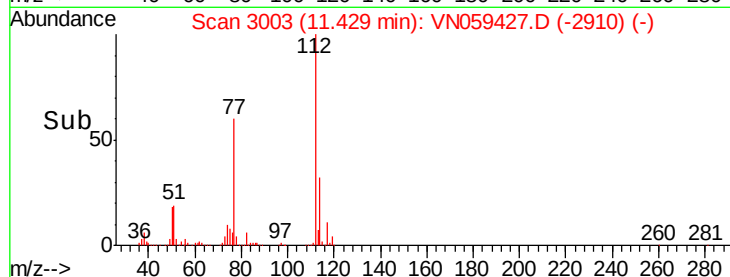
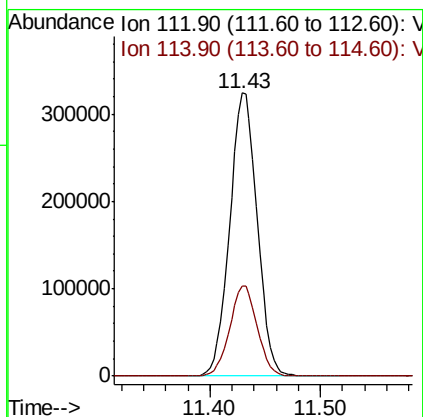
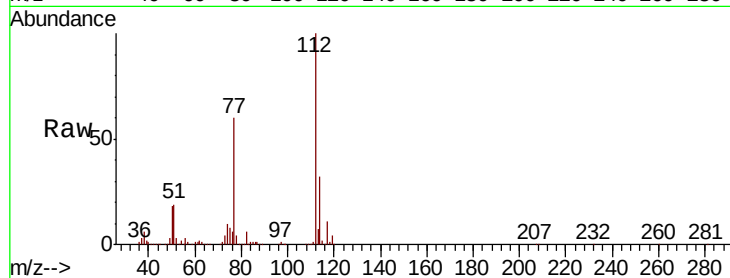
ClientSampleId :

Tot Ion:112 Resp: 559192

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 47.619 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

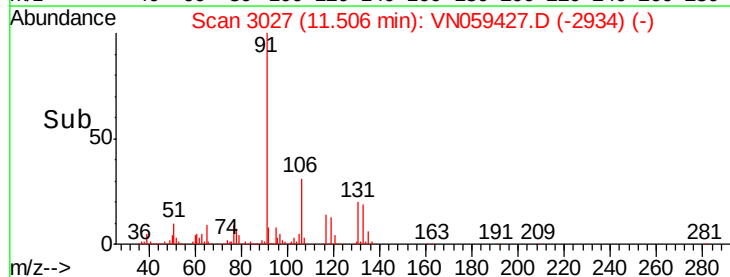
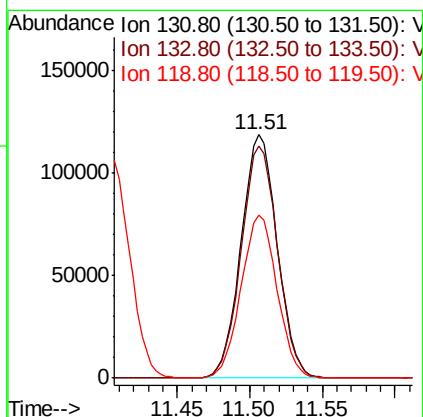
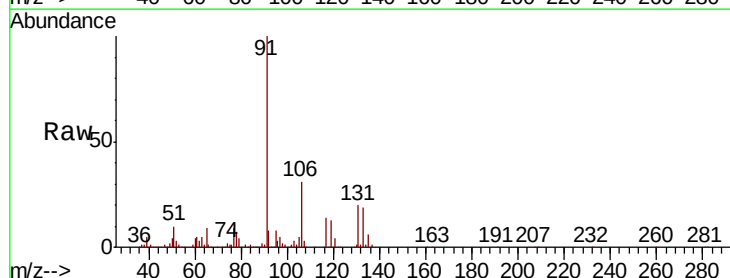
Tgt Ion:131 Resp: 206162

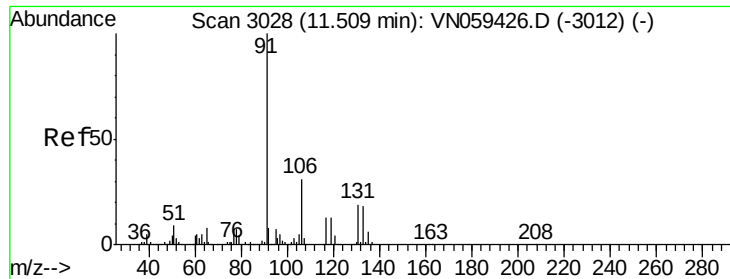
Ion Ratio Lower Upper

131 100

133 95.9 48.2 144.6

119 67.0 33.8 101.3





#67

Ethyl Benzene

Concen: 48.575 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

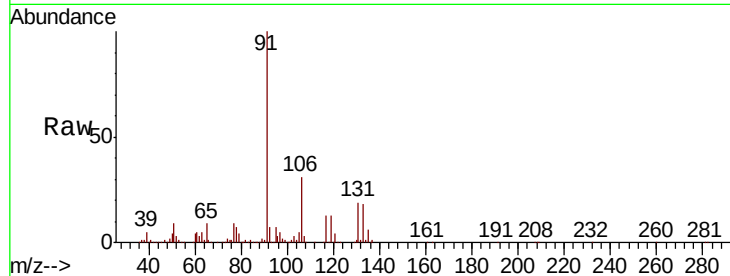
ClientSampled :

Tot Ion: 91 Resp: 1018619

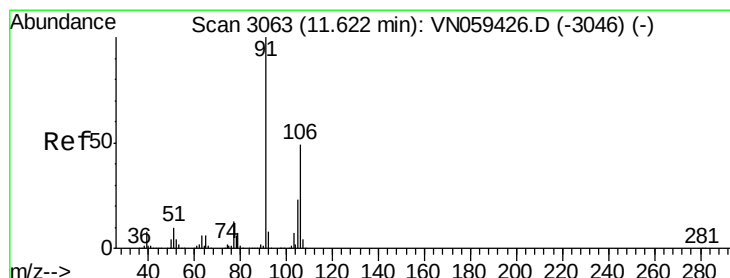
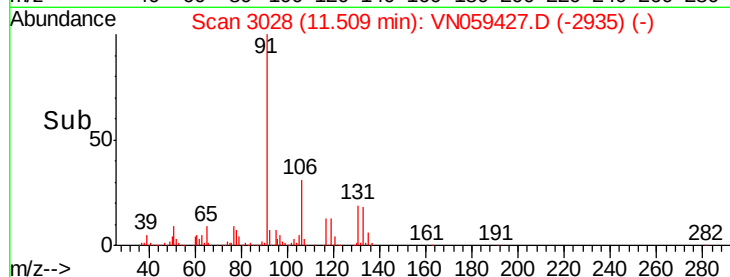
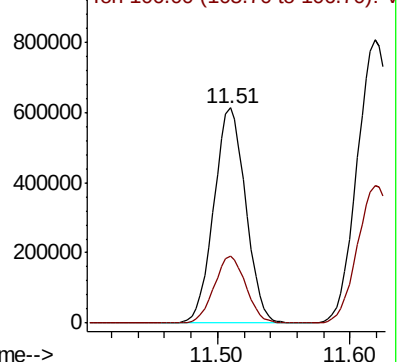
Ion Ratio Lower Upper

91 100

106 31.0 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN059427.D (-2935) (-)



#68

m/p-Xylenes

Concen: 96.863 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059427.D

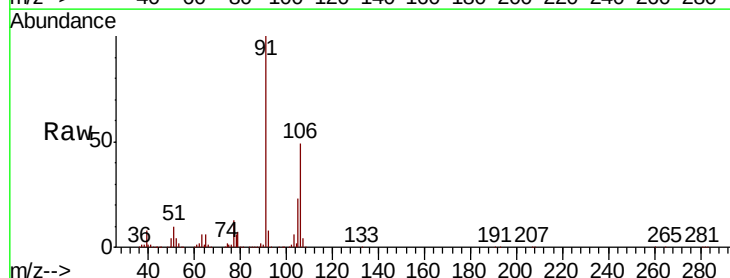
Acq: 27 Nov 2019 17:19

Tgt Ion: 106 Resp: 758370

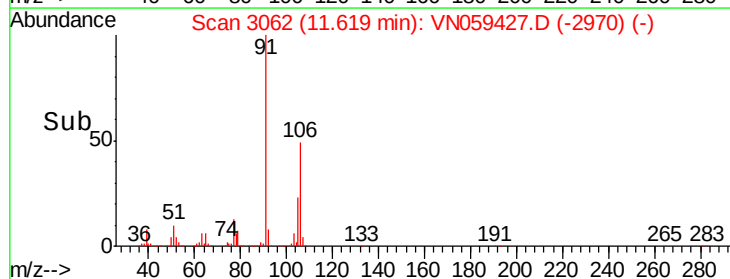
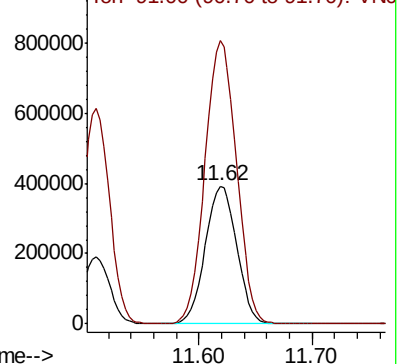
Ion Ratio Lower Upper

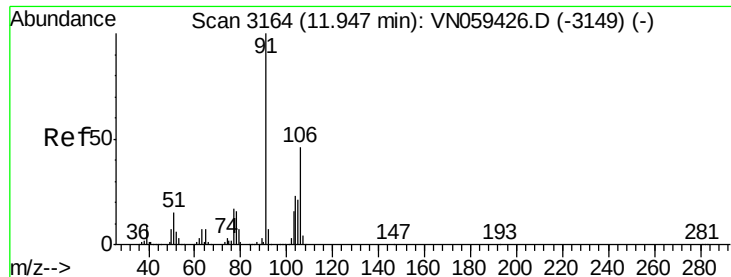
106 100

91 205.9 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): VN059427.D (-2970) (-)

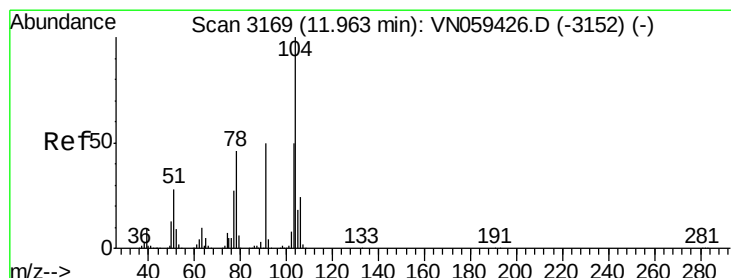
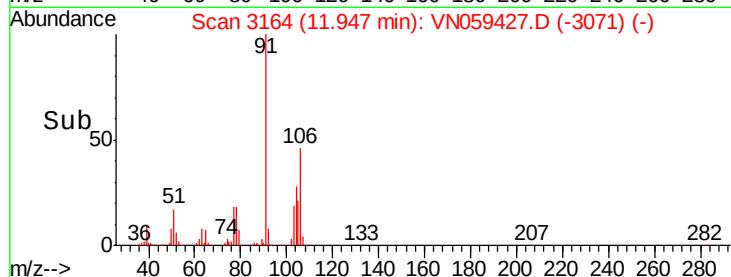
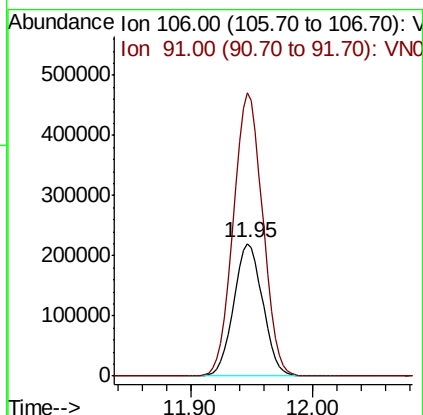
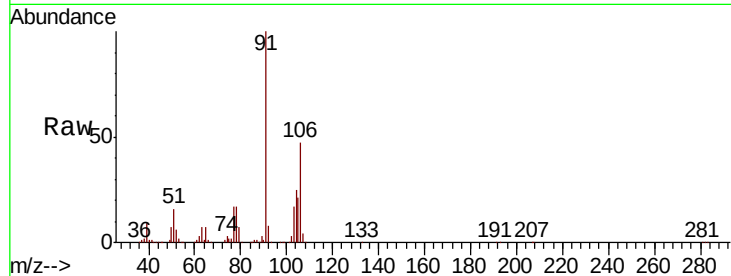




#69
o-Xylene
Concen: 48.500 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

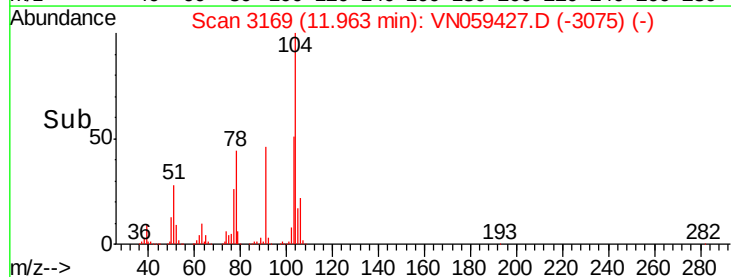
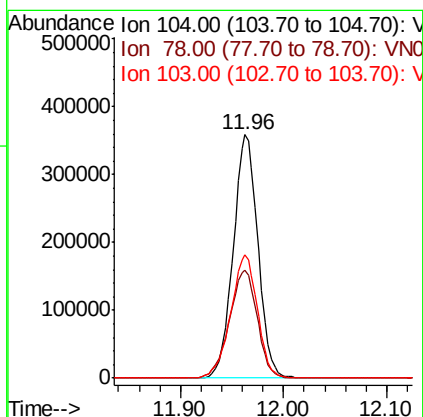
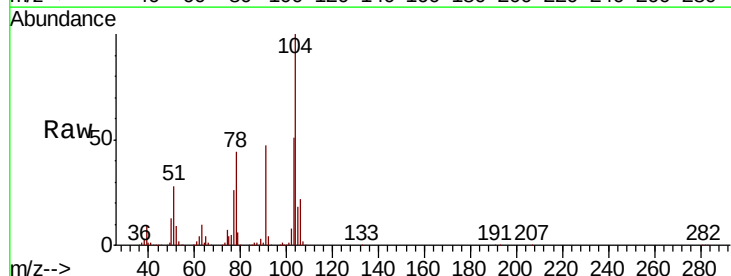
Instrument :
MSVOA_N
ClientSampled :

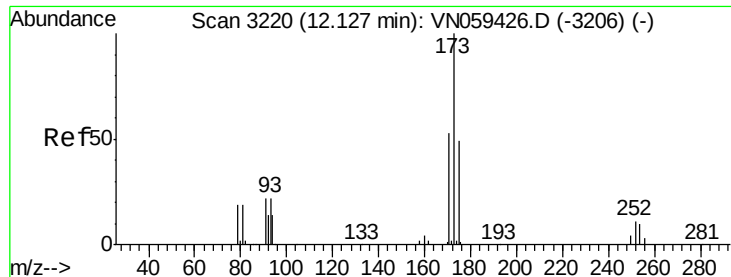
Tot Ion:106 Resp: 364165
Ion Ratio Lower Upper
106 100
91 216.0 107.5 322.4



#70
Styrene
Concen: 52.815 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion:104 Resp: 598410
Ion Ratio Lower Upper
104 100
78 49.8 40.4 60.6
103 54.8 43.8 65.6





#71

Bromoform

Concen: 49.790 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

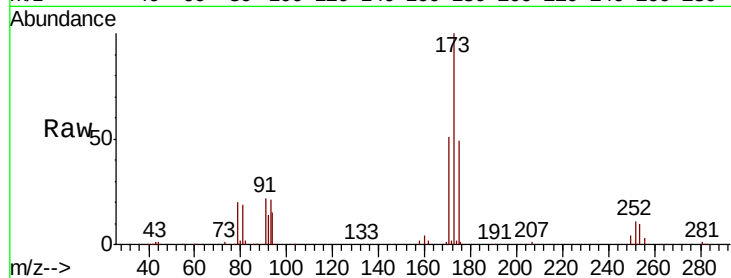
Tot Ion:173 Resp: 164139

Ion Ratio Lower Upper

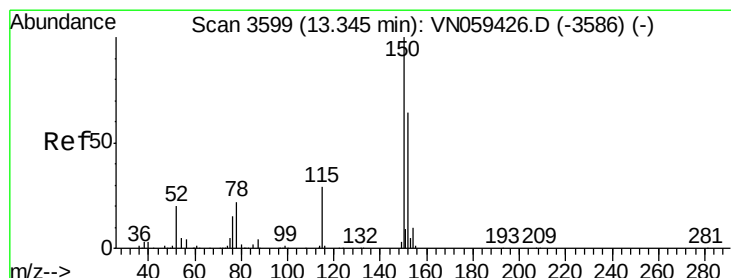
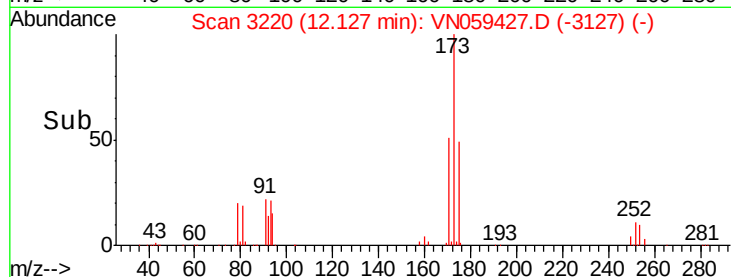
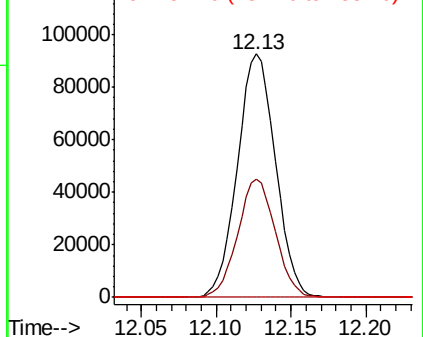
173 100

175 47.8 24.1 72.3

254 0.0 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: VN059427.D

Acq: 27 Nov 2019 17:19

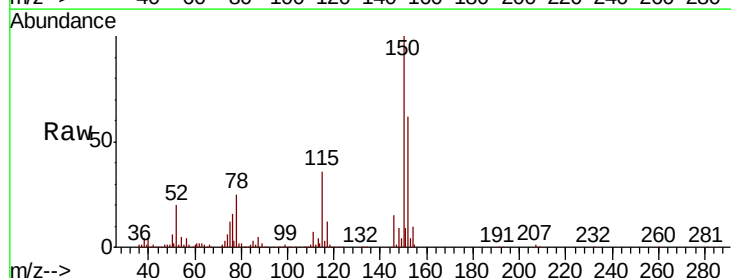
Tgt Ion:152 Resp: 276655

Ion Ratio Lower Upper

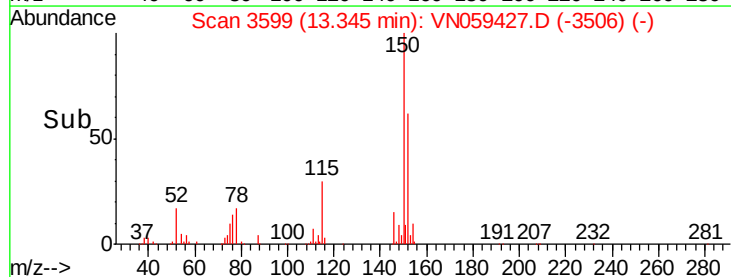
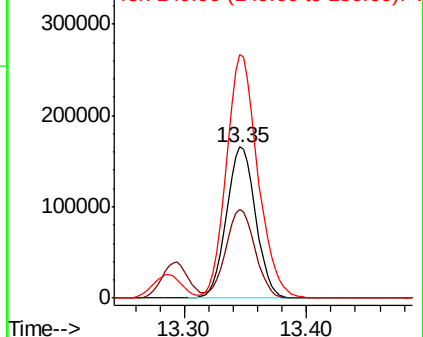
152 100

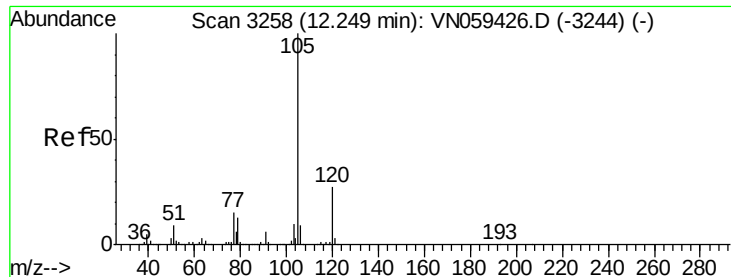
115 59.2 29.5 88.6

150 173.4 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

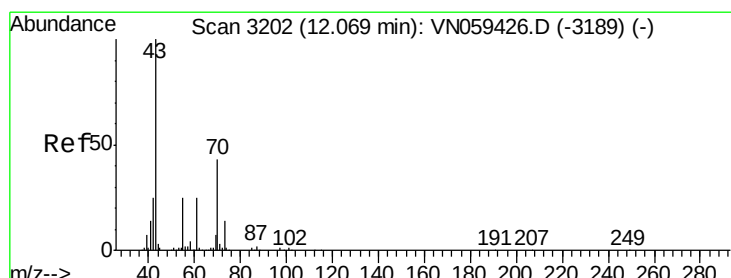
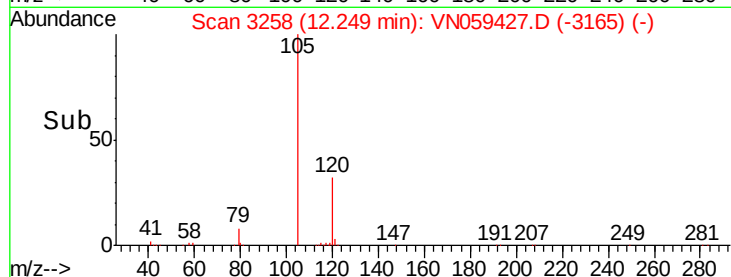
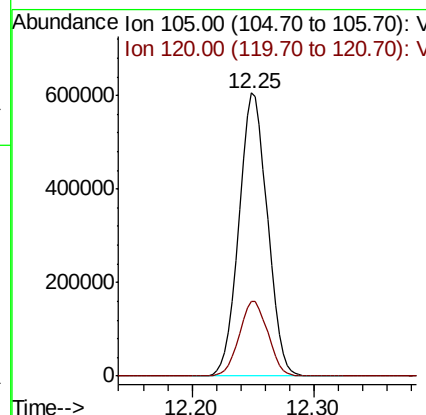
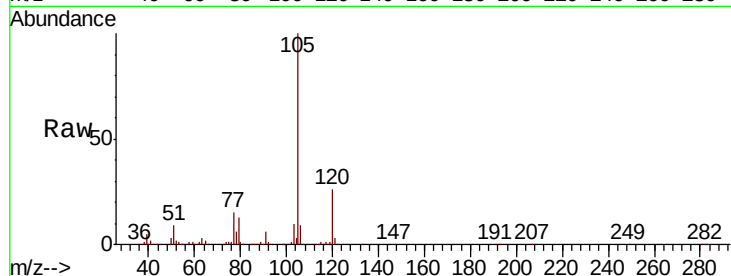




#73
Isopropylbenzene
Concen: 47.712 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

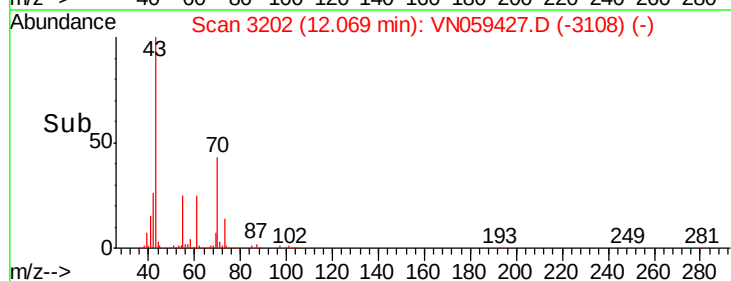
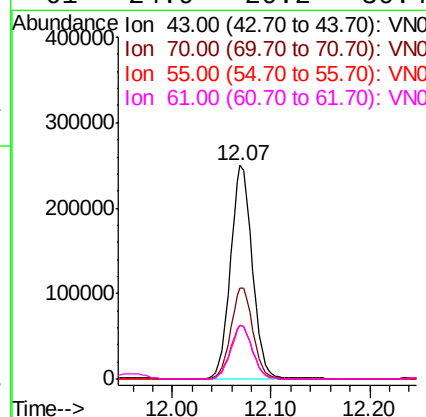
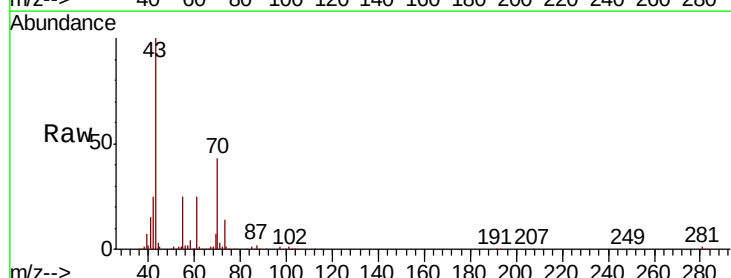
Instrument :
MSVOA_N
ClientSampleId :

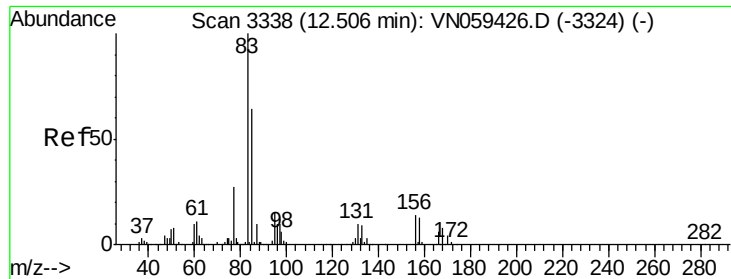
Tot Ion:105 Resp: 977858
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.6



#74
N-ethyl acetate
Concen: 53.190 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion: 43 Resp: 387586
Ion Ratio Lower Upper
43 100
70 43.3 34.6 52.0
55 25.5 20.5 30.7
61 24.9 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 45.599 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

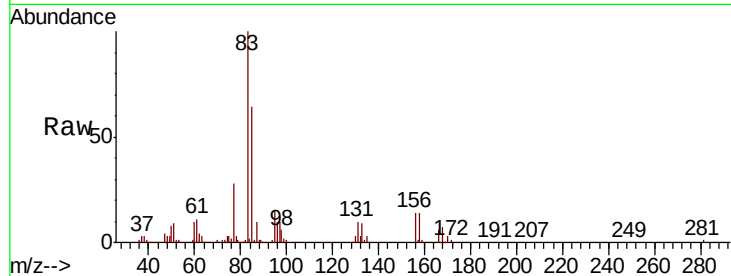
Tot Ion: 83 Resp: 304764

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

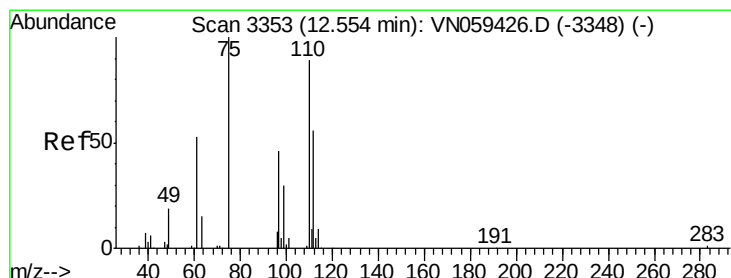
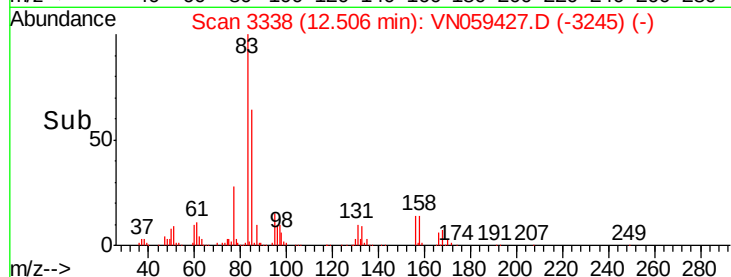
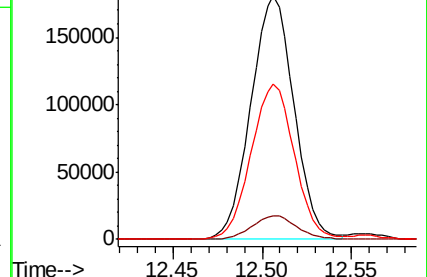
85 63.9 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN059427.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN059427.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN059427.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 65.743 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059427.D

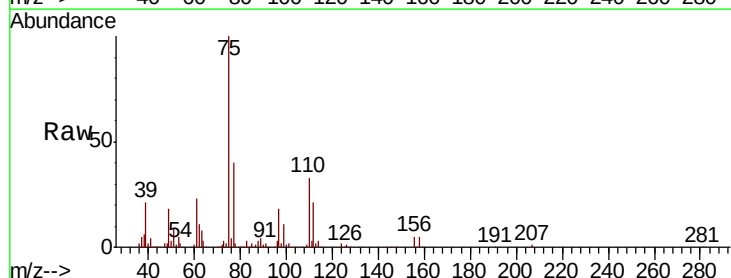
Acq: 27 Nov 2019 17:19

Tgt Ion: 75 Resp: 411467

Ion Ratio Lower Upper

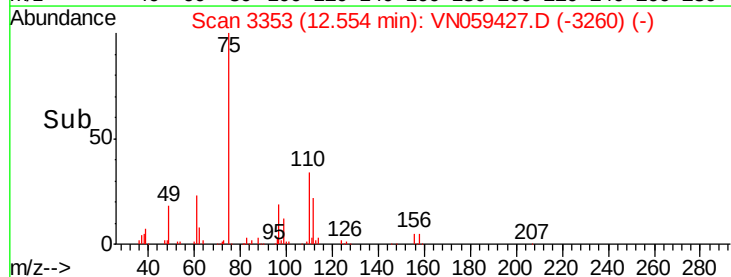
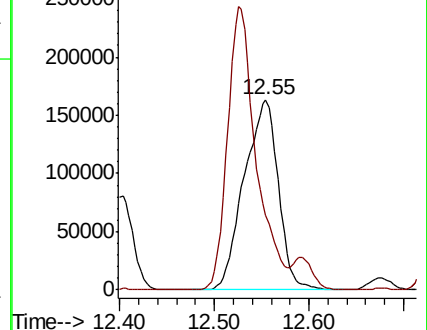
75 100

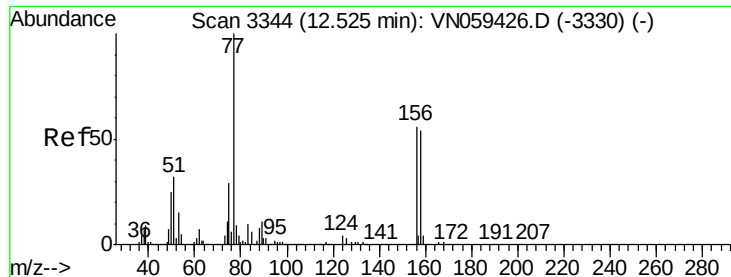
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059427.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059427.D (-3353) (-)





#77

Bromobenzene

Concen: 46.994 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

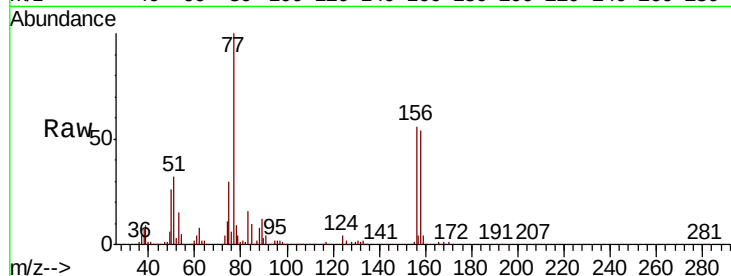
Tot Ion:156 Resp: 235805

Ion Ratio Lower Upper

156 100

77 216.6 108.7 326.3

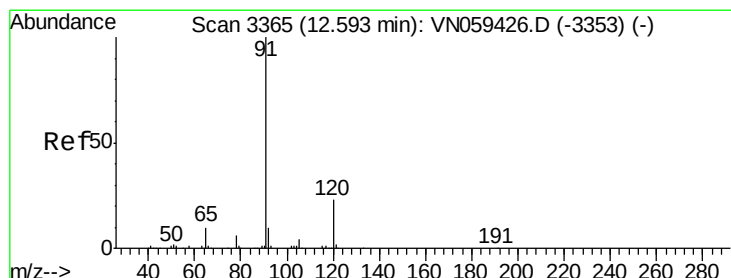
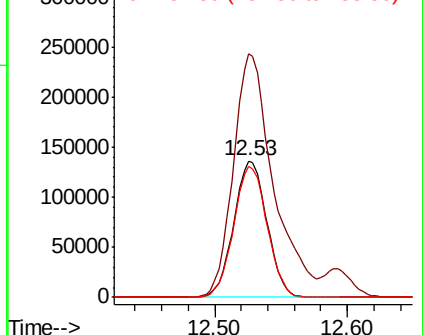
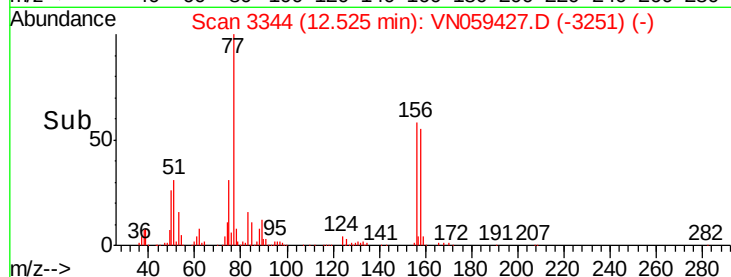
158 96.6 48.3 144.9



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: 48.817 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059427.D

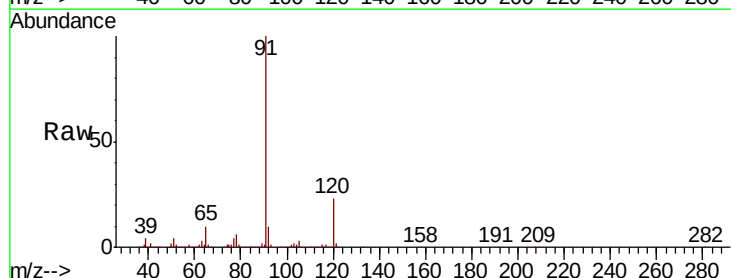
Acq: 27 Nov 2019 17:19

Tgt Ion: 91 Resp: 1152949

Ion Ratio Lower Upper

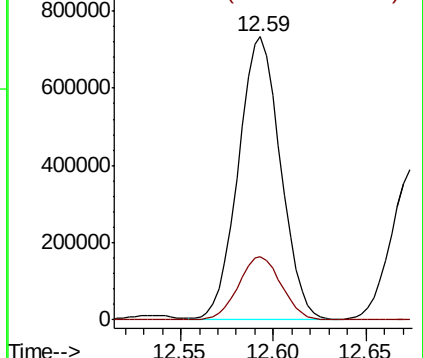
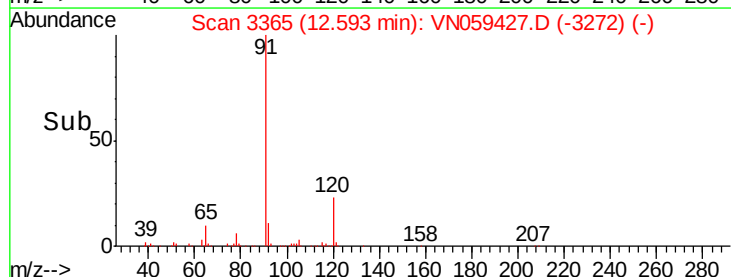
91 100

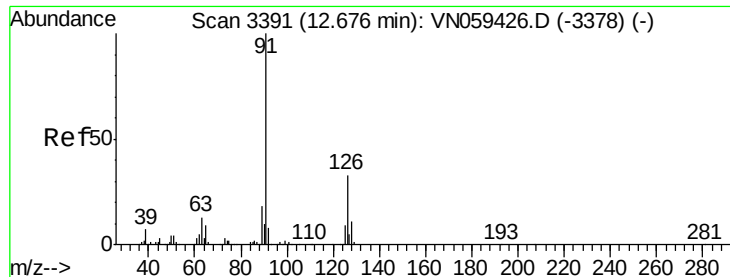
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.279 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

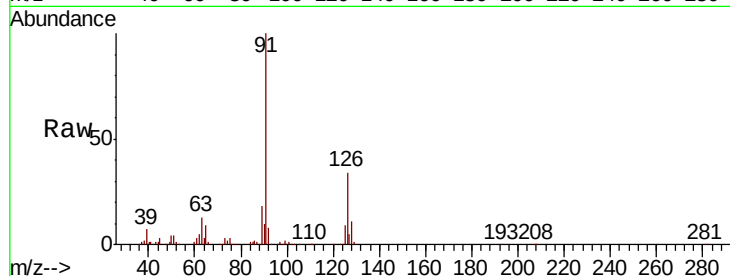
ClientSampleId :

Tot Ion: 91 Resp: 667589

Ion Ratio Lower Upper

91 100

126 34.0 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059427.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN059427.D (-3391) (-)

800000

600000

400000

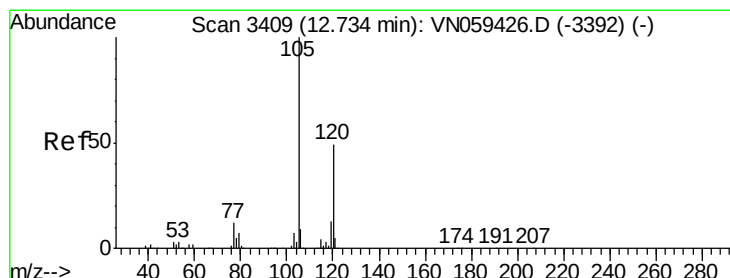
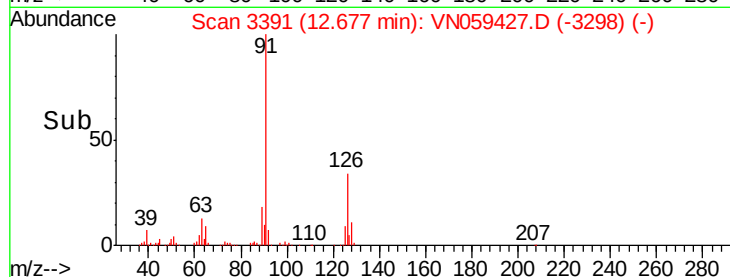
200000

0

12.60 12.65 12.70

12.68

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.074 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059427.D

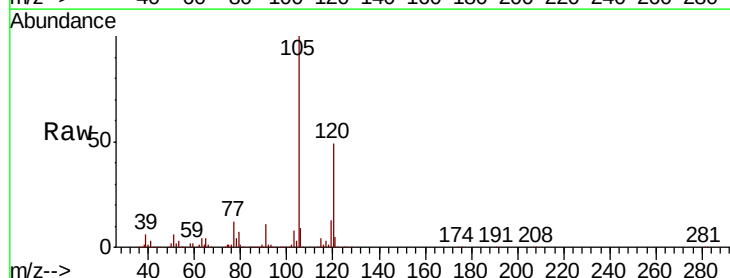
Acq: 27 Nov 2019 17:19

Tgt Ion: 105 Resp: 828211

Ion Ratio Lower Upper

105 100

120 48.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN059427.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN059427.D (-3409) (-)

600000

500000

400000

300000

200000

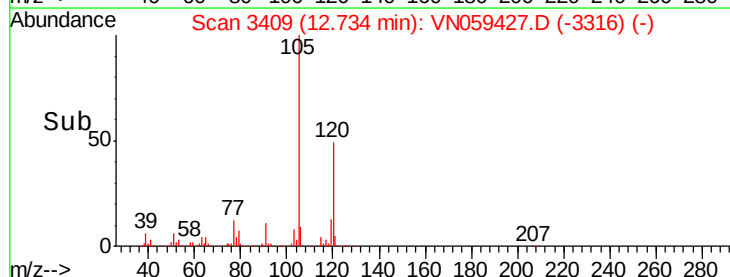
100000

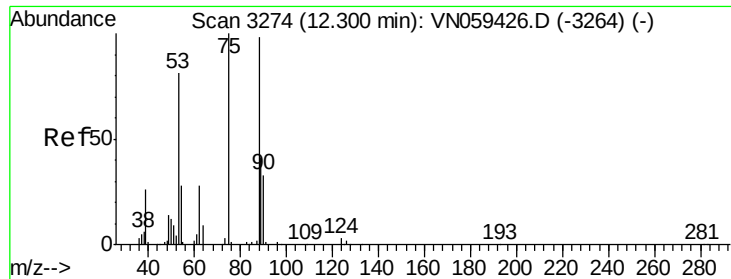
0

12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.796 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

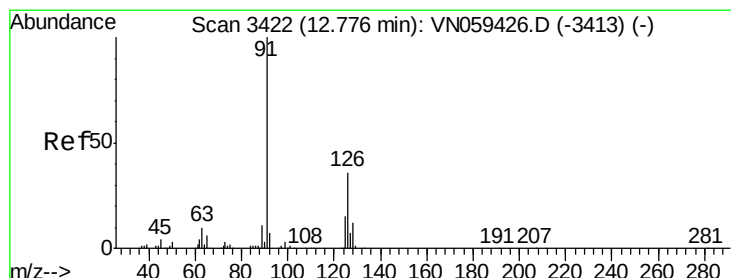
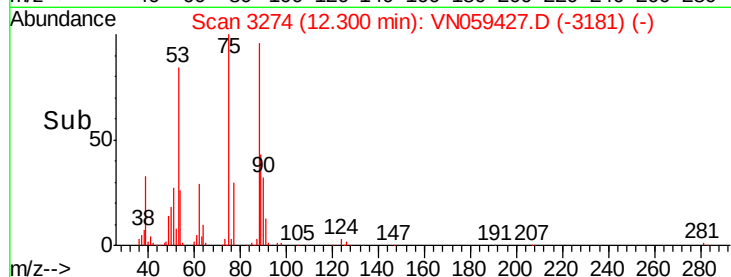
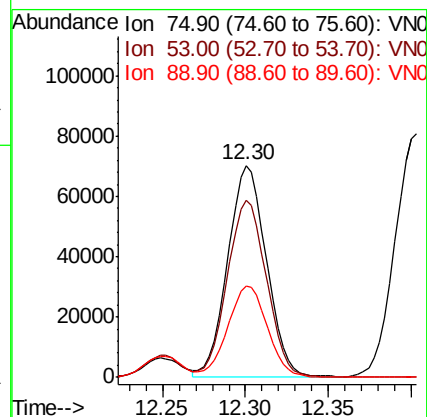
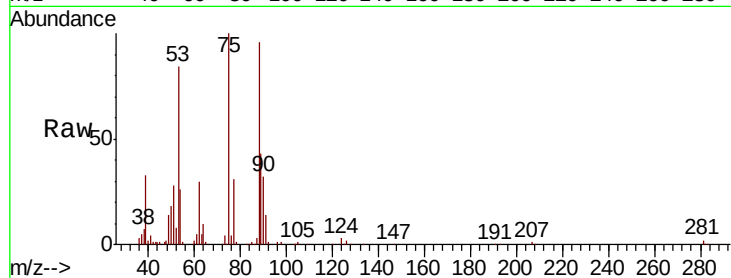
Tot Ion: 75 Resp: 113985

Ion Ratio Lower Upper

75 100

53 85.1 66.2 99.4

89 44.0 33.9 50.9



#82

4-Chlorotoluene

Concen: 47.698 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059427.D

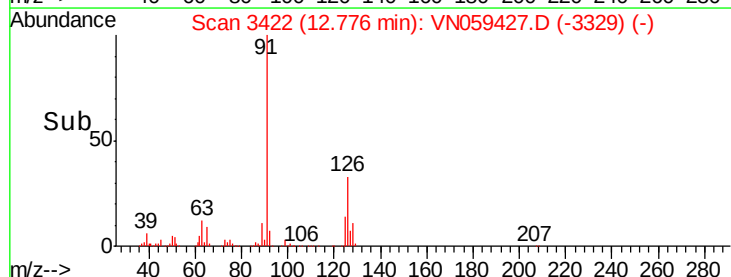
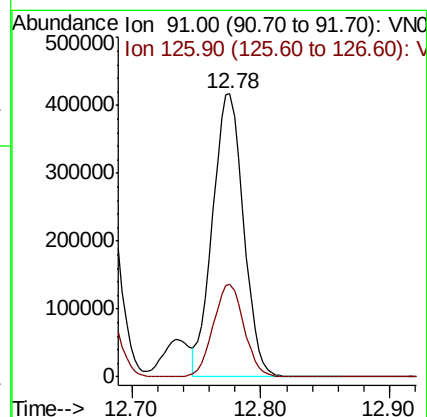
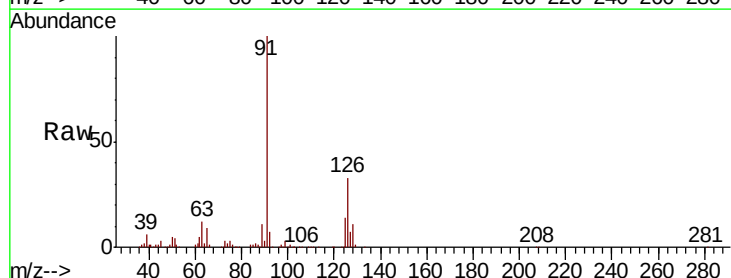
Acq: 27 Nov 2019 17:19

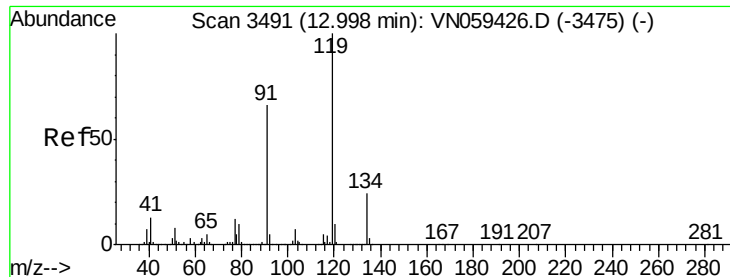
Tgt Ion: 91 Resp: 692957

Ion Ratio Lower Upper

91 100

126 32.7 16.7 50.0

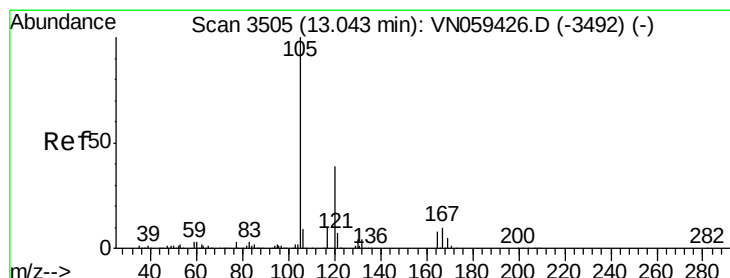
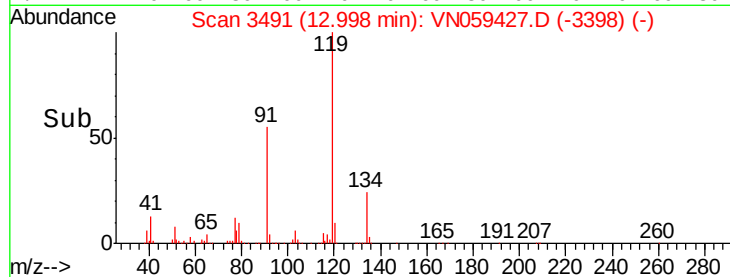
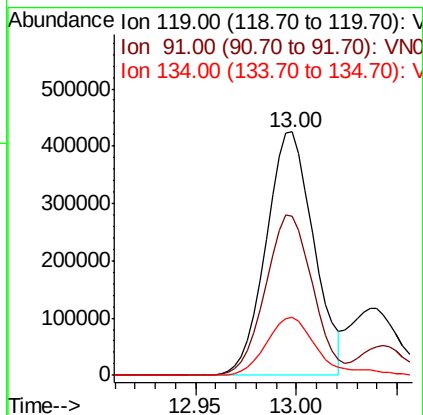
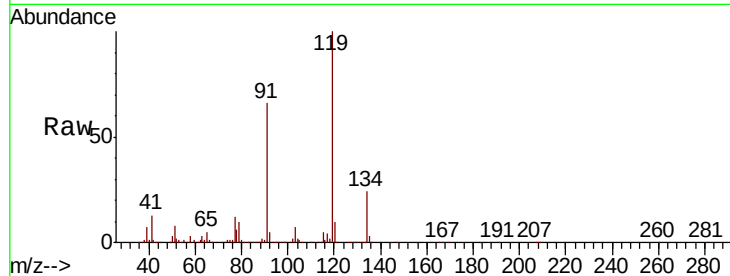




#83
 tert-Butylbenzene
 Concen: 47.051 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

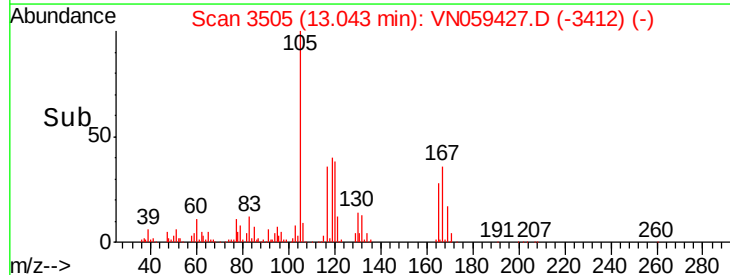
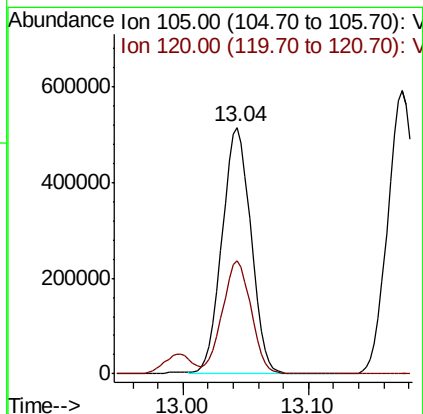
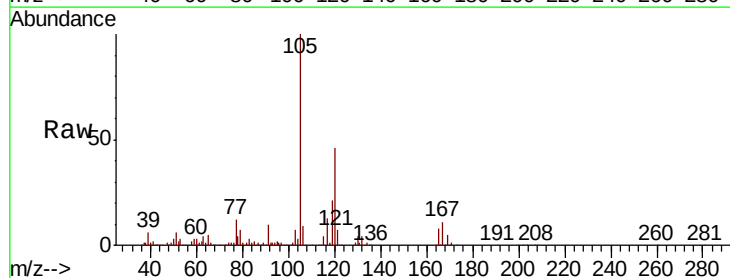
Instrument :
 MSVOA_N
 ClientSampled :

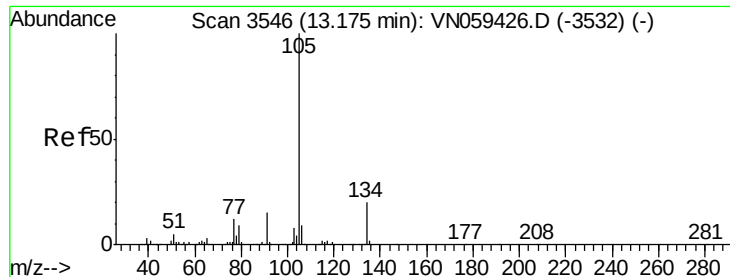
Tot Ion:119 Resp: 696028
 Ion Ratio Lower Upper
 119 100
 91 65.3 32.8 98.4
 134 25.6 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.621 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059427.D
 Acq: 27 Nov 2019 17:19

Tgt Ion:105 Resp: 820548
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.7





#85

sec-Butylbenzene

Concen: 48.239 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

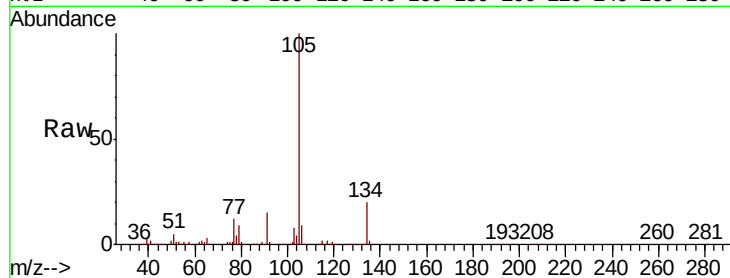
ClientSampled :

Tot Ion:105 Resp: 947637

Ion Ratio Lower Upper

105 100

134 19.8 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

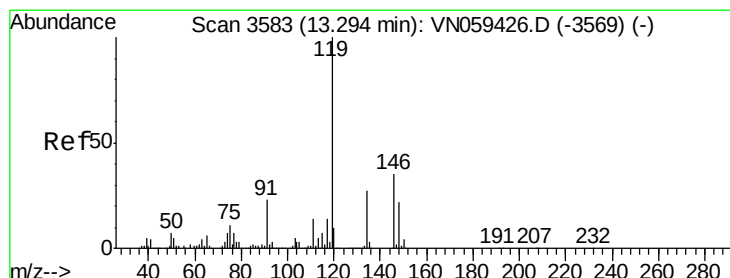
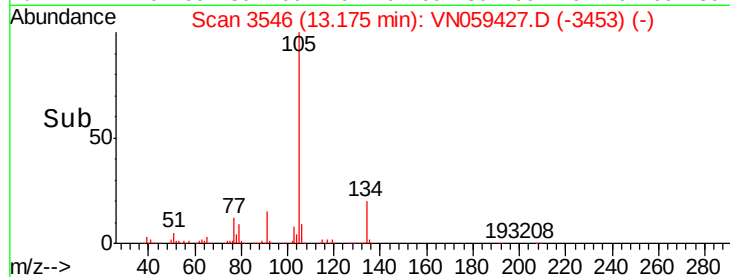
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.877 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

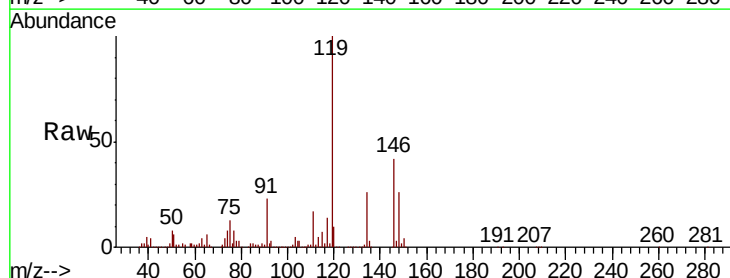
Tgt Ion:119 Resp: 868033

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 22.7 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

13.29

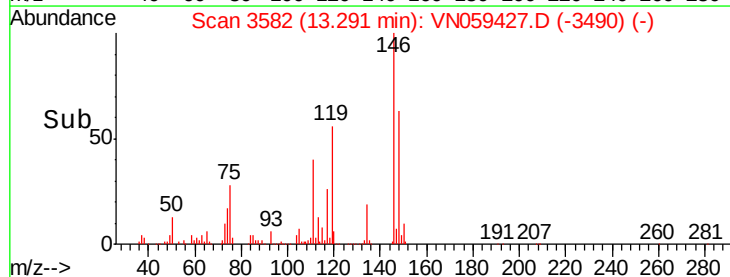
600000

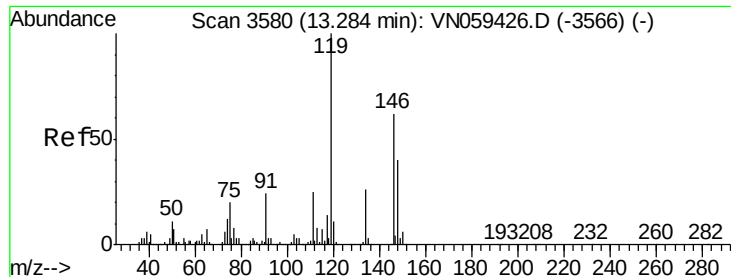
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.507 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

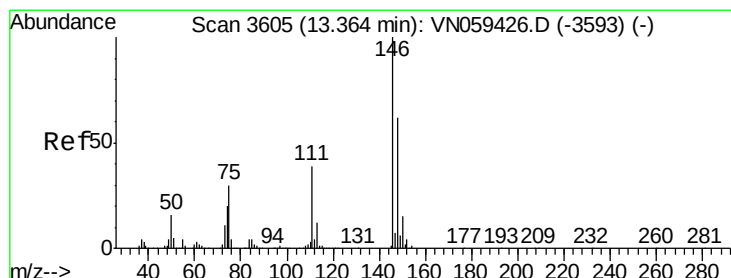
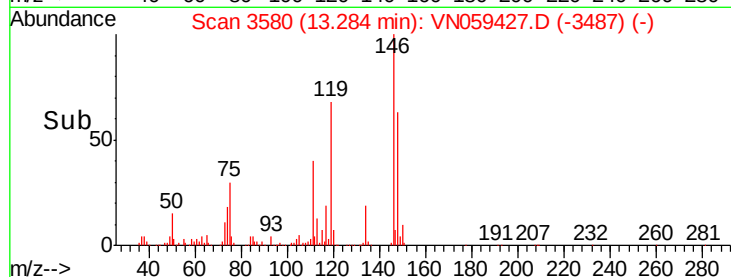
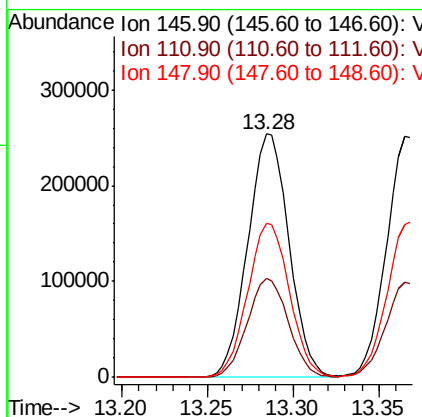
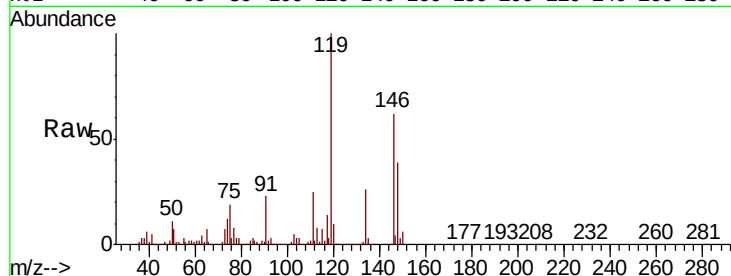
Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:146 Resp: 422459

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.2
148	63.9	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 46.722 ug/l

RT: 13.36 min Scan# 3605

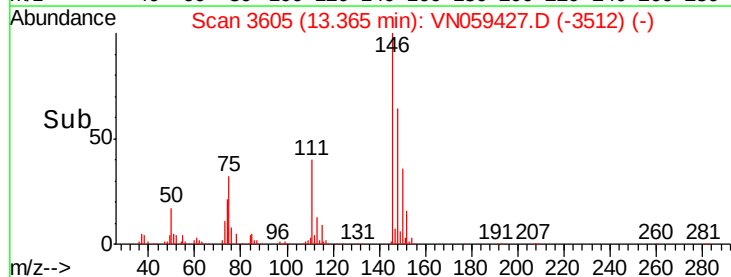
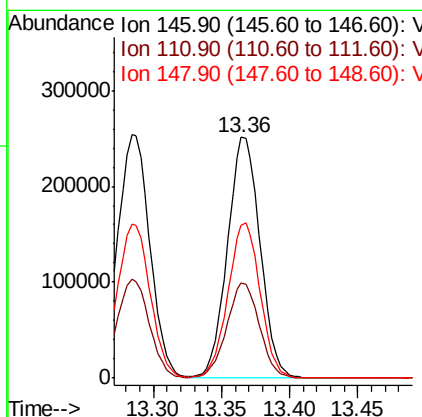
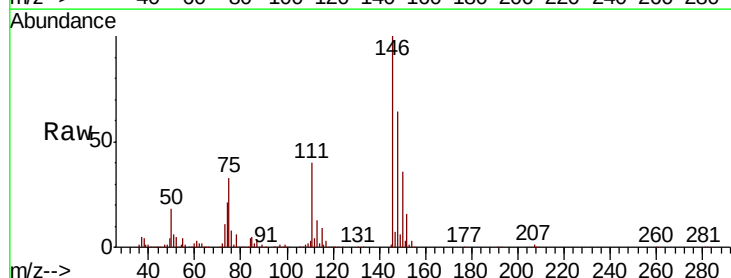
Delta R.T. 0.00 min

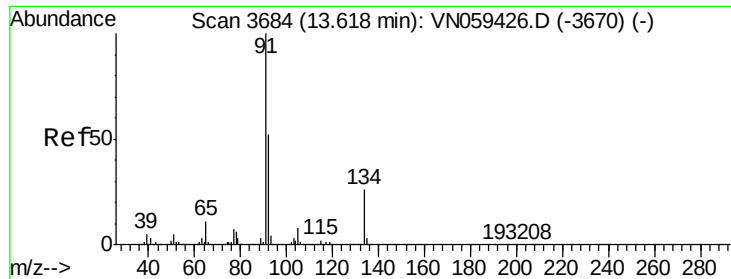
Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:146 Resp: 417115

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.7
148	63.6	31.6	95.0

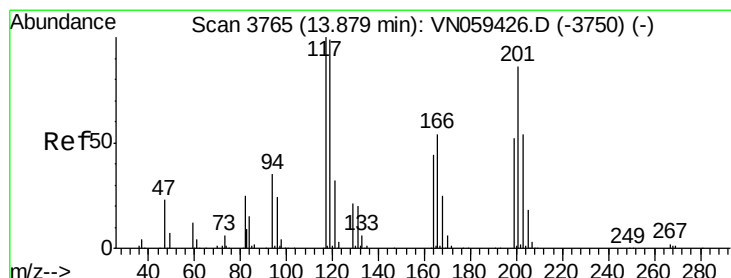
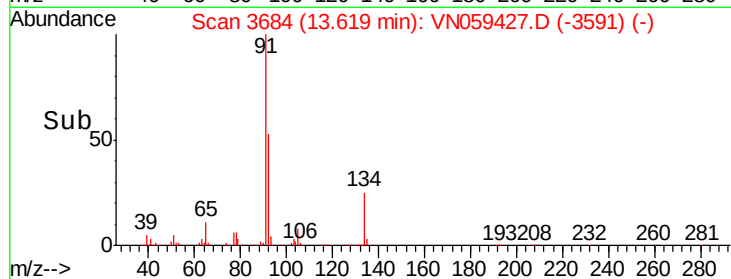
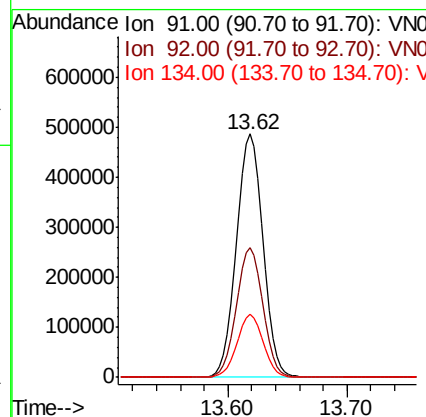
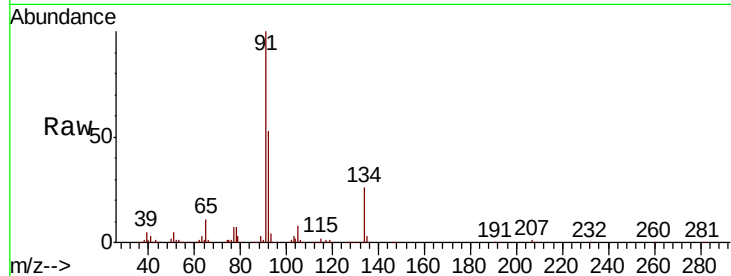




#89
n-Butylbenzene
Concen: 48.671 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

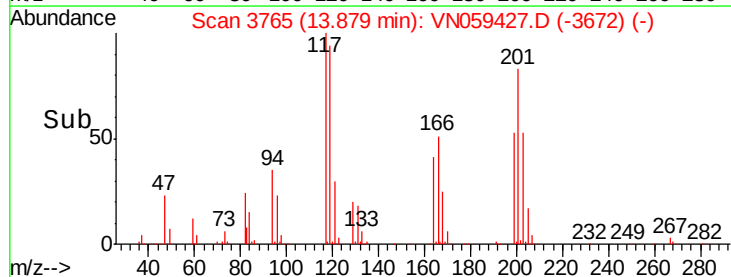
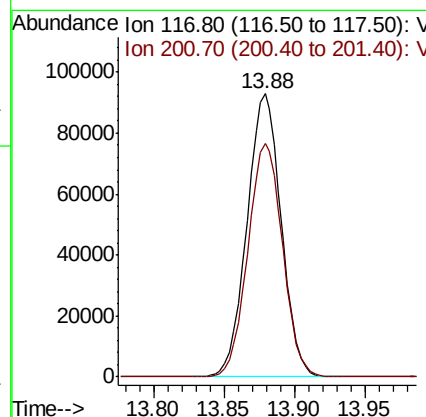
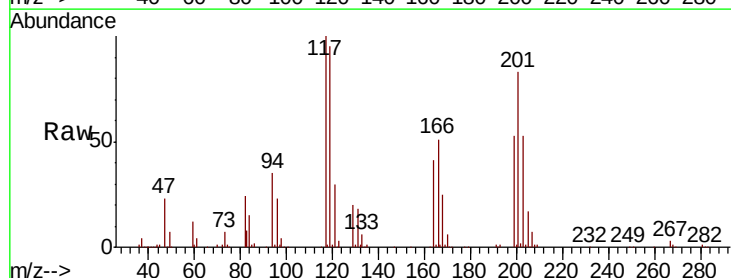
Instrument :
MSVOA_N
ClientSampled :

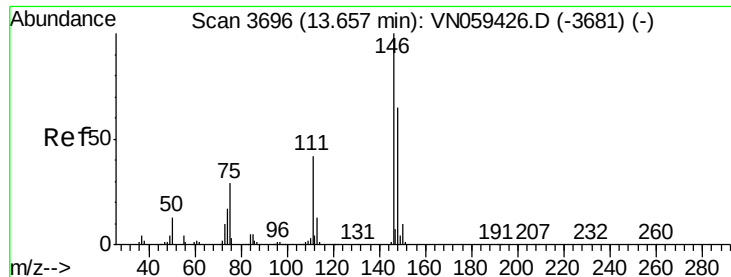
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	25.9	77.8
134	25.4	12.8	38.4



#90
Hexachloroethane
Concen: 46.413 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	42.1	126.4





#91

1,2-Dichlorobenzene

Concen: 46.734 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059427.D

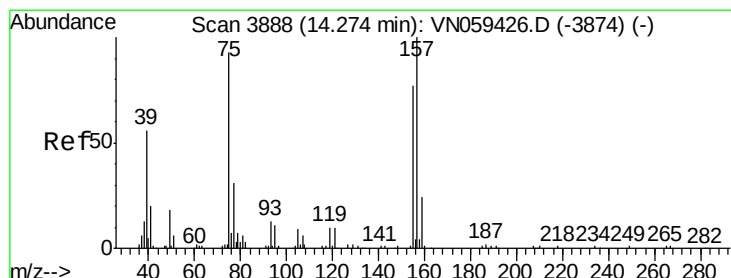
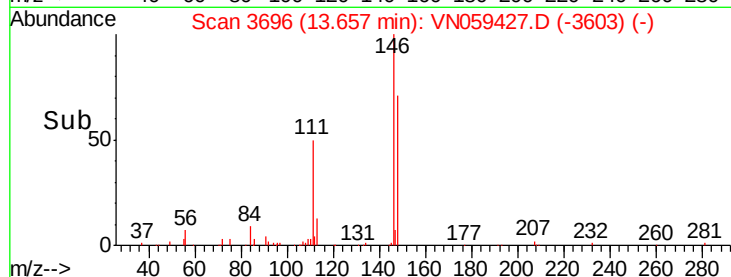
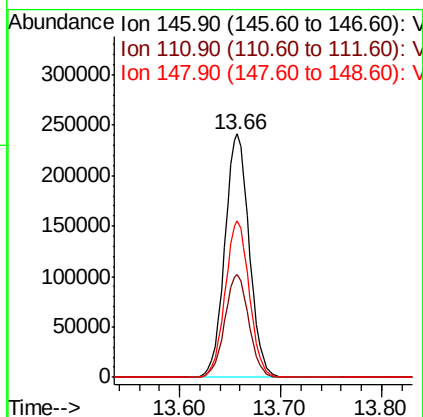
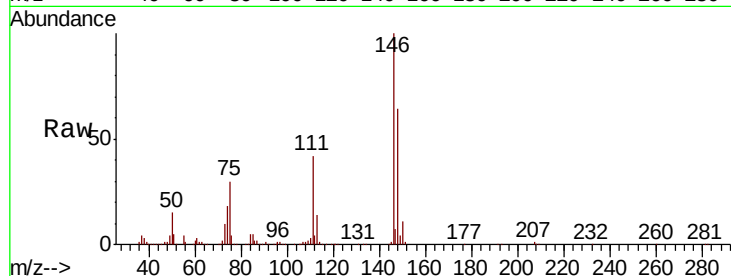
Acq: 27 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	407216
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.7
148	63.7	32.0	96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.469 ug/l

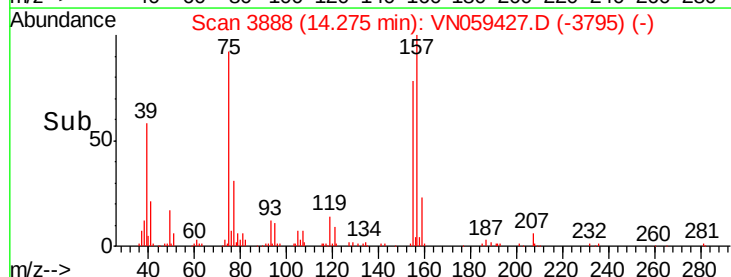
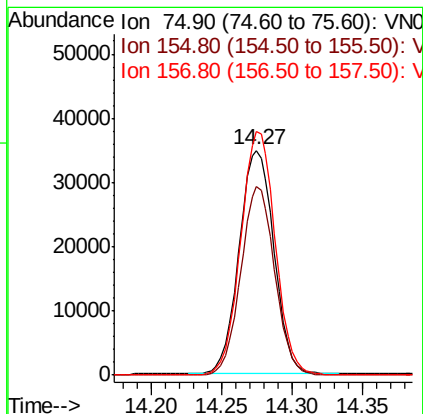
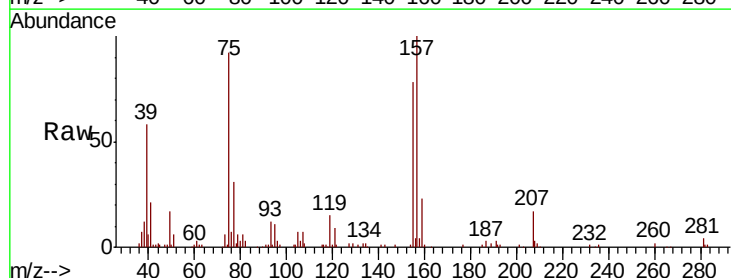
RT: 14.27 min Scan# 3888

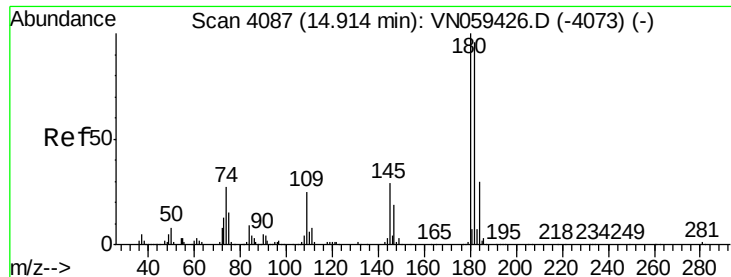
Delta R.T. 0.00 min

Lab File: VN059427.D

Acq: 27 Nov 2019 17:19

Tgt Ion:	75	Resp:	60450
Ion	Ratio	Lower	Upper
75	100		
155	81.6	41.9	125.8
157	107.5	54.1	162.3

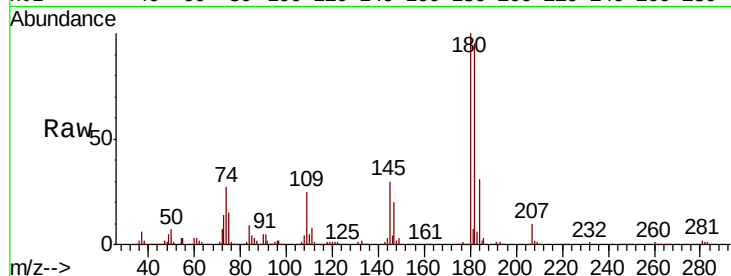




#93
1,2,4-Trichlorobenzene
Concen: 46.352 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	142.0
145	29.6	14.8	44.4

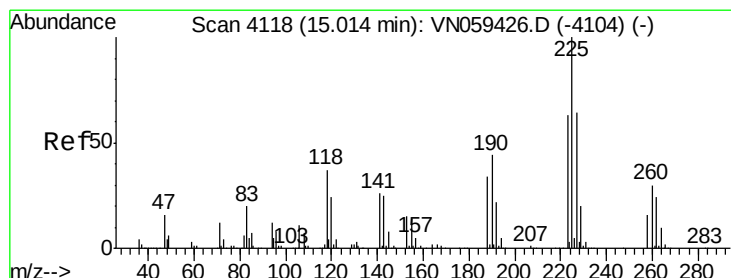
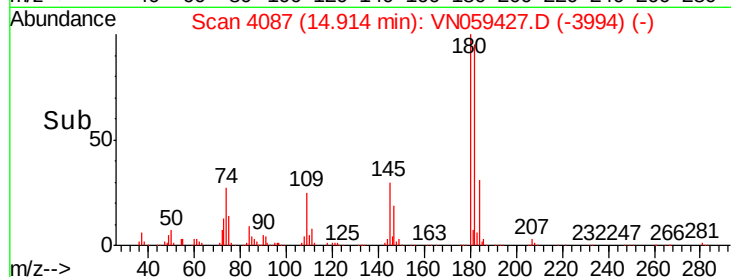
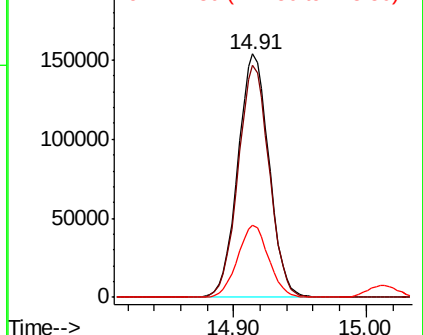


Abundance

Ion 179.80 (179.50 to 180.50): V

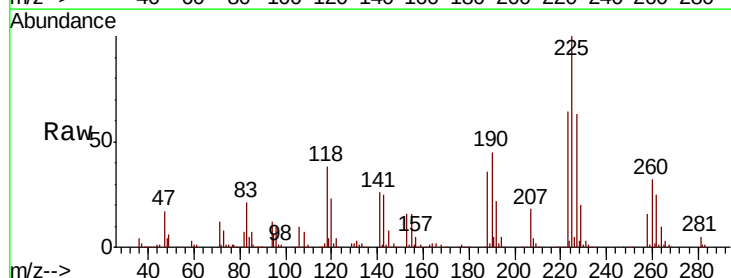
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 43.778 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.5	94.5
227	64.2	31.9	95.7

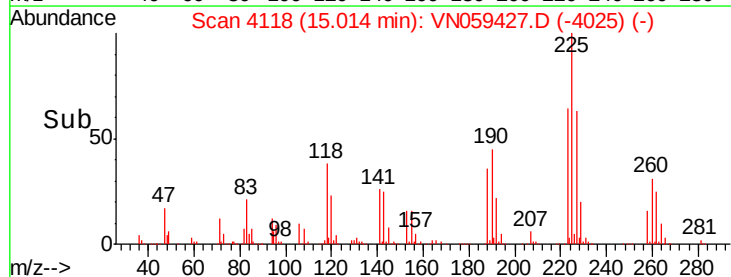
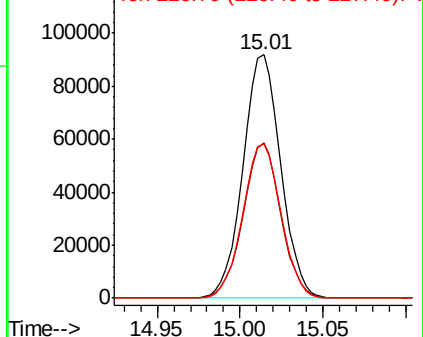


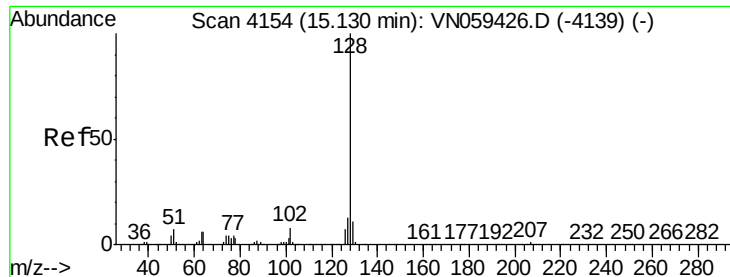
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

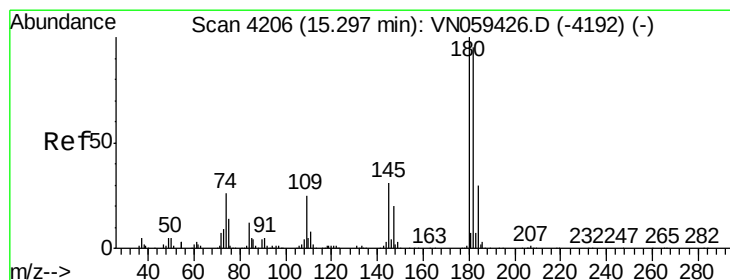
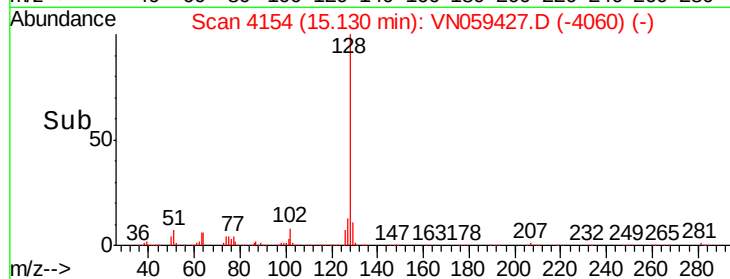
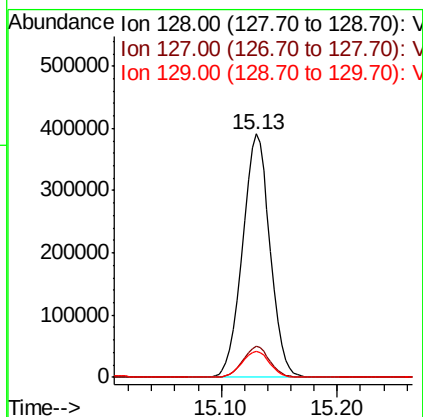
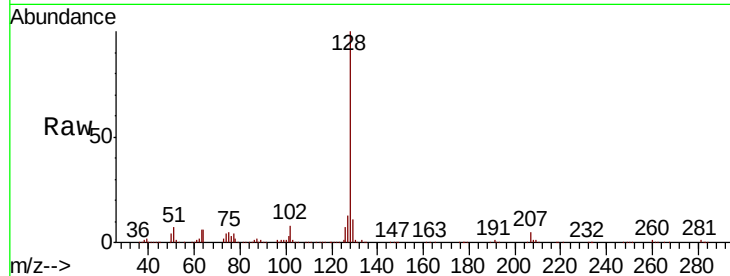




#95
Naphthalene
Concen: 52.849 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 642531
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.349 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059427.D
Acq: 27 Nov 2019 17:19

Tgt Ion:180 Resp: 247238
Ion Ratio Lower Upper
180 100
182 96.1 47.5 142.6
145 31.8 15.7 47.1

