

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059476.D
 Acq On : 4 Dec 2019 9:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 00:42:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	386094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	601436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	537955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	255093	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	225842	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	7.57	113	178527	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.08	98	707927	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.40	95	253062	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	178719	41.597	ug/l 99
3) Chloromethane	2.04	50	240691	41.798	ug/l 99
4) Vinyl Chloride	2.17	62	144916	41.938	ug/l 99
5) Bromomethane	2.55	94	87858	41.839	ug/l 97
6) Chloroethane	2.68	64	85698	42.007	ug/l 99
7) Trichlorofluoromethane	3.00	101	182447	43.718	ug/l 97
8) Diethyl Ether	3.38	74	117060	43.052	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	178261	43.513	ug/l 99
10) Methyl Iodide	3.92	142	229269	44.198	ug/l 99
11) Tert butyl alcohol	4.75	59	195637	216.458	ug/l 100
12) 1,1-Dichloroethene	3.71	96	173196	43.249	ug/l 99
13) Acrolein	3.58	56	160508	204.627	ug/l 99
14) Allyl chloride	4.29	41	337713	42.816	ug/l 99
15) Acrylonitrile	4.95	53	531757	217.474	ug/l 99
16) Acetone	3.79	43	669453	249.940	ug/l 100
17) Carbon Disulfide	4.02	76	556578	40.733	ug/l 99
18) Methyl Acetate	4.29	43	266705	41.307	ug/l 100
19) Methyl tert-butyl Ether	5.01	73	605256	44.346	ug/l 100
20) Methylene Chloride	4.52	84	199608	44.041	ug/l 99
21) trans-1,2-Dichloroethene	5.00	96	192747	43.016	ug/l 99
22) Diisopropyl ether	5.92	45	660228	44.973	ug/l 98
23) Vinyl Acetate	5.86	43	2738909	232.503	ug/l 100
24) 1,1-Dichloroethane	5.82	63	369033	44.250	ug/l 99
25) 2-Butanone	6.81	43	816514	223.973	ug/l 99
26) 2,2-Dichloropropane	6.79	77	314434	43.592	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	217594	43.725	ug/l 99
28) Bromochloromethane	7.17	49	155868	48.029	ug/l 99
29) Tetrahydrofuran	7.18	42	482616	210.536	ug/l 100
30) Chloroform	7.35	83	352543	43.782	ug/l 99
31) Cyclohexane	7.63	56	342356	42.367	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	302640	43.243	ug/l 100
36) 1,1-Dichloropropene	7.77	75	278798	44.546	ug/l 99
37) Ethyl Acetate	6.90	43	294280	42.094	ug/l 99
38) Carbon Tetrachloride	7.75	117	266793	44.320	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	337778	44.847	ug/l	99
40) Benzene	8.02	78	816004	44.523	ug/l	98
41) Methacrylonitrile	7.18	41	425292	150.103	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	275609	44.269	ug/l	100
43) Isopropyl Acetate	8.14	43	467518	44.963	ug/l	100
44) Trichloroethene	8.82	130	209006	43.638	ug/l	99
45) 1,2-Dichloropropane	9.10	63	217530	44.426	ug/l	99
46) Dibromomethane	9.19	93	136653	44.826	ug/l	99
47) Bromodichloromethane	9.39	83	275991	45.152	ug/l	99
48) Methyl methacrylate	9.18	41	207483	44.229	ug/l	99
49) 1,4-Dioxane	9.19	88	67913	956.742	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1414822	229.230	ug/l	99
52) Toluene	10.15	92	497027	44.840	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	322857	44.888	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	348012	45.649	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	194870	44.597	ug/l	99
56) Ethyl methacrylate	10.42	69	300694	42.723	ug/l	99
57) 1,3-Dichloropropane	10.70	76	338502	44.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	208105	96.607	ug/l	100
59) 2-Hexanone	10.74	43	1107600	238.454	ug/l	100
60) Dibromochloromethane	10.90	129	209868	44.982	ug/l	100
61) 1,2-Dibromoethane	11.00	107	202121	44.766	ug/l	100
64) Tetrachloroethene	10.62	164	194415	42.486	ug/l	99
65) Chlorobenzene	11.43	112	517271	43.984	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	194427	46.010	ug/l	99
67) Ethyl Benzene	11.51	91	950188	46.115	ug/l	99
68) m/p-Xylenes	11.62	106	707668	92.238	ug/l	98
69) o-Xylene	11.94	106	336163	46.023	ug/l	100
70) Styrene	11.96	104	549195	47.100	ug/l	99
71) Bromoform	12.12	173	150481	45.686	ug/l #	98
73) Isopropylbenzene	12.25	105	906184	44.296	ug/l	100
74) N-amyl acetate	12.07	43	369498	44.841	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	286877	43.717	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	389776	61.453	ug/l #	100
77) Bromobenzene	12.53	156	216740	42.396	ug/l	99
78) n-propylbenzene	12.59	91	1072394	45.045	ug/l	100
79) 2-Chlorotoluene	12.67	91	626528	43.656	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	770820	45.087	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107620	44.529	ug/l	99
82) 4-Chlorotoluene	12.77	91	643878	43.485	ug/l	100
83) tert-Butylbenzene	12.99	119	651104	43.867	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	768402	45.990	ug/l	99
85) sec-Butylbenzene	13.17	105	875532	44.507	ug/l	100
86) p-Isopropyltoluene	13.29	119	788841	44.749	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	391250	43.407	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	384880	42.340	ug/l	99
89) n-Butylbenzene	13.62	91	696917	44.126	ug/l	100
90) Hexachloroethane	13.88	117	147571	43.404	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	376627	43.587	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57691	42.611	ug/l	99

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QLast Update : Tue Dec 03 16:37:42 2019
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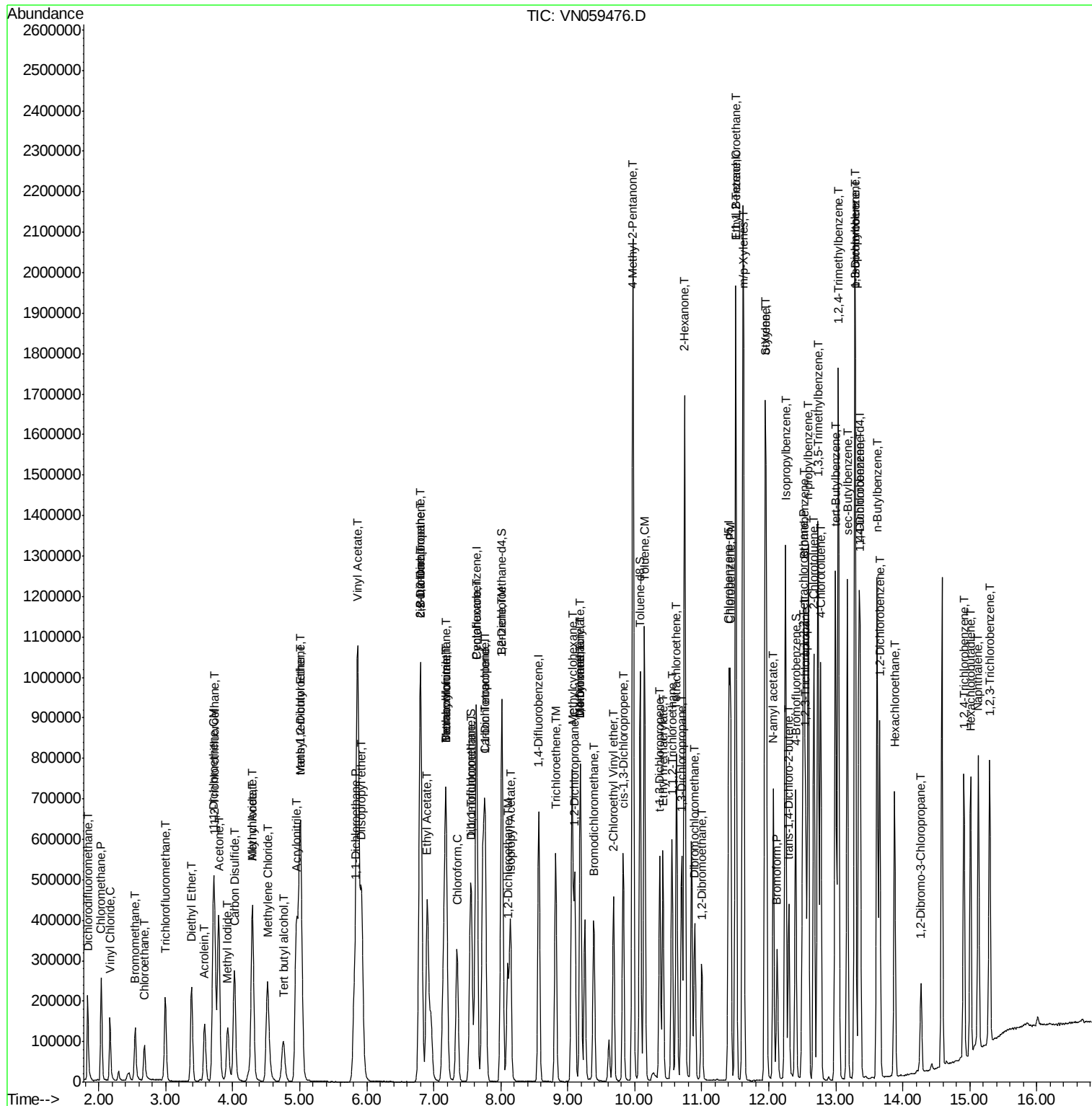
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	225199	42.691	ug/l	99
94) Hexachlorobutadiene	15.01	225	134942	45.088	ug/l	100
95) Naphthalene	15.13	128	576538	40.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	223983	42.572	ug/l	99

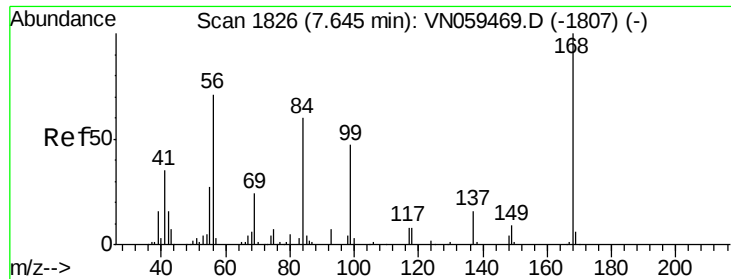
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

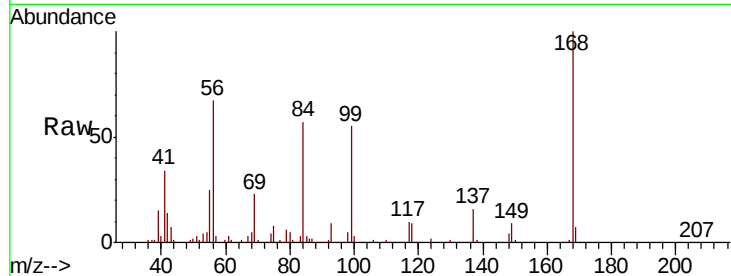
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 386094

Ion Ratio Lower Upper

168 100

99 55.3 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

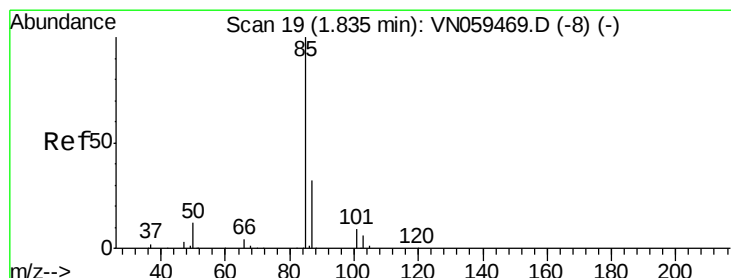
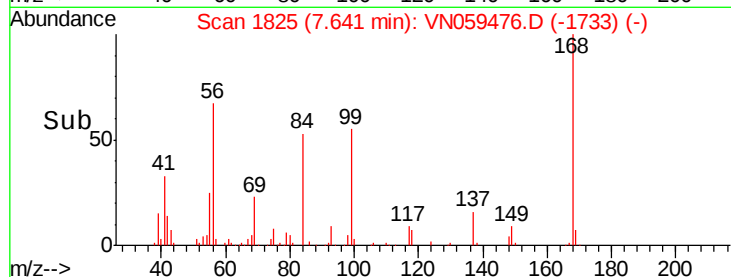
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 41.597 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059476.D

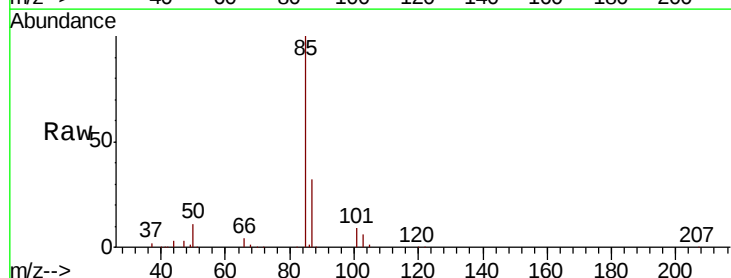
Acq: 4 Dec 2019 9:53

Tgt Ion: 85 Resp: 178719

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

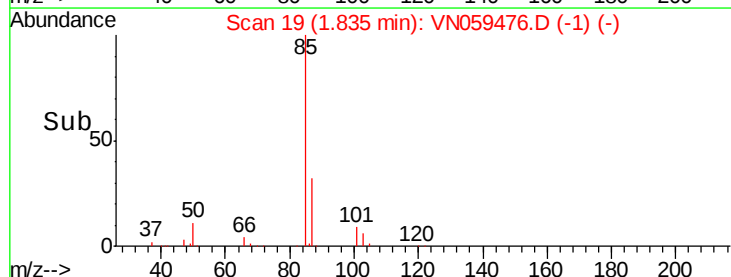
1.83

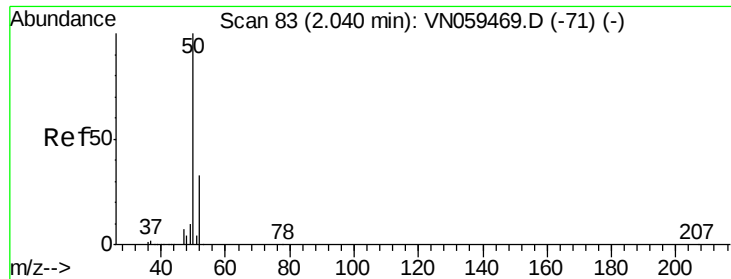
100000

50000

0

Time--> 1.80 1.90





#3

Chloromethane

Concen: 41.798 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

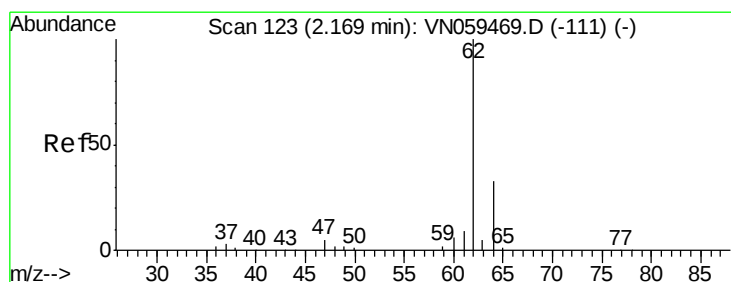
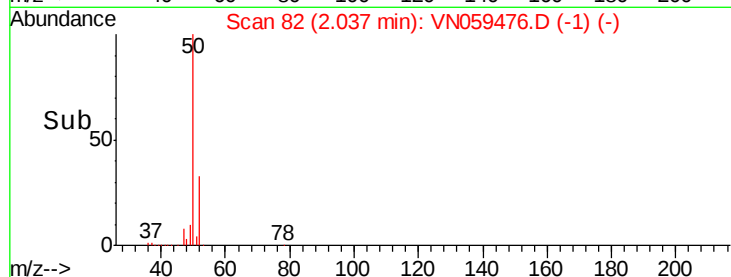
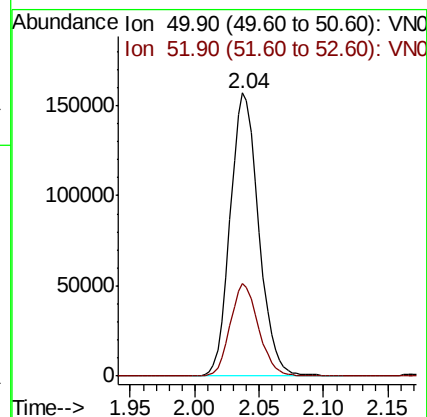
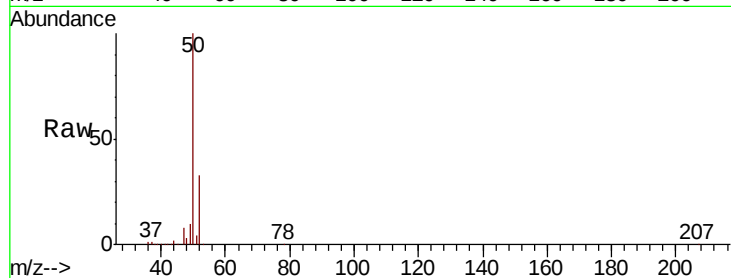
ClientSampleId :

Tot Ion: 50 Resp: 240691

Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7



#4

Vinyl Chloride

Concen: 41.938 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059476.D

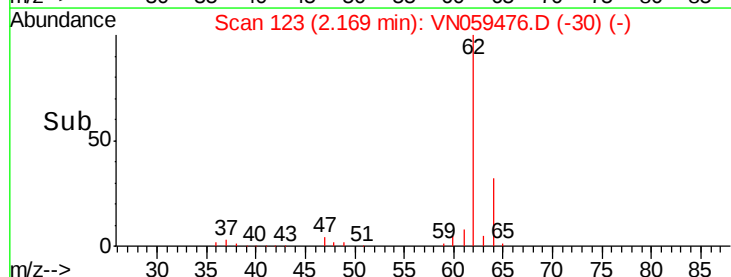
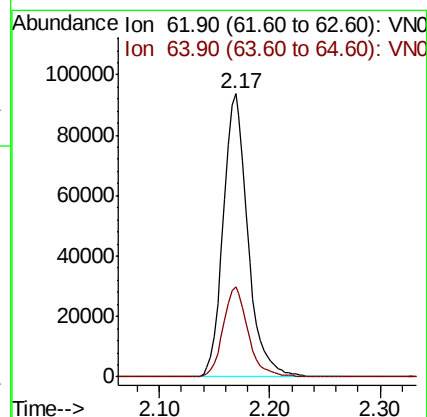
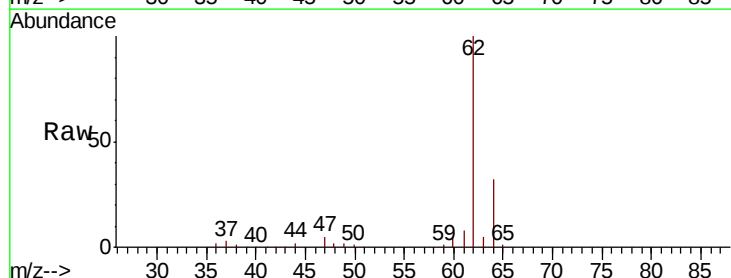
Acq: 4 Dec 2019 9:53

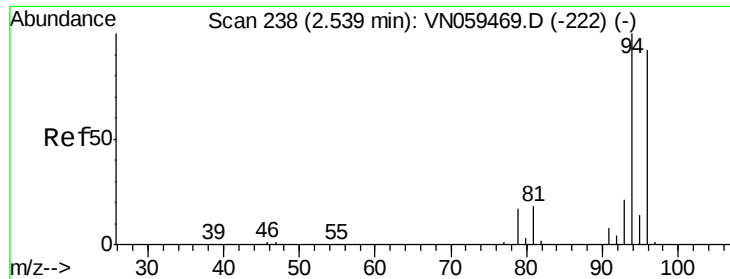
Tgt Ion: 62 Resp: 144916

Ion Ratio Lower Upper

62 100

64 31.8 26.0 39.0

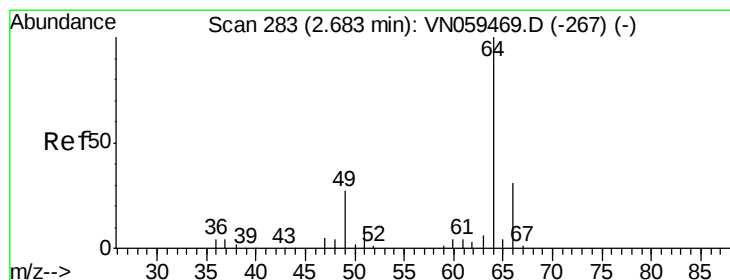
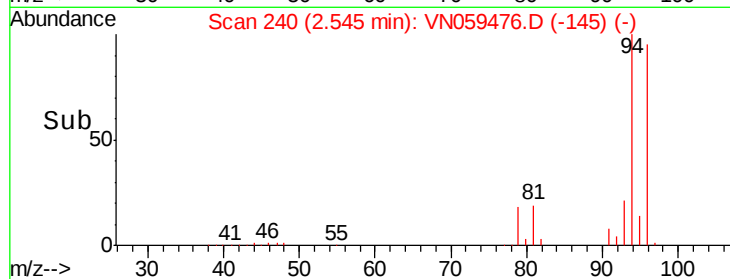
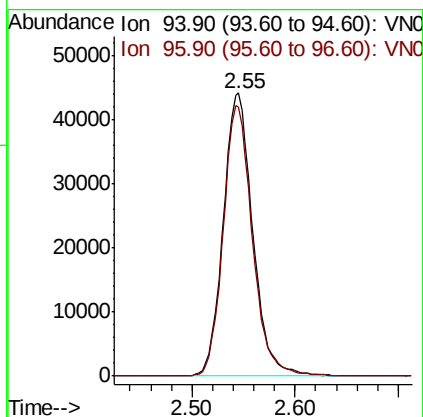
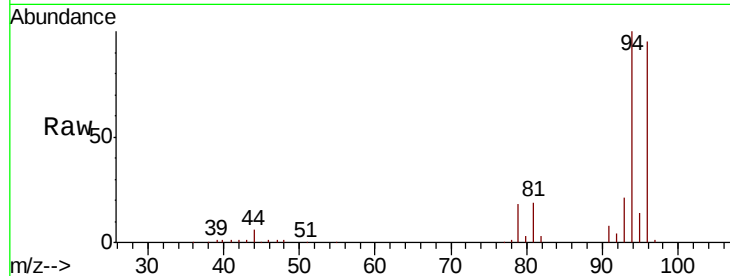




#5
Bromomethane
Concen: 41.839 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

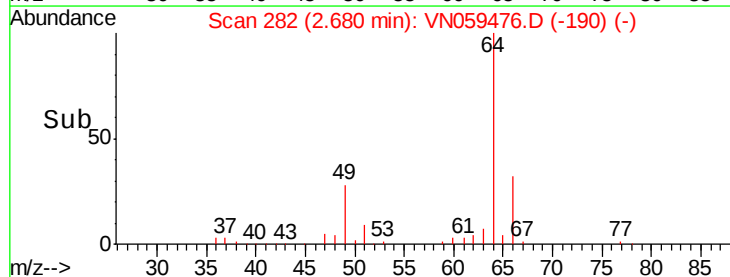
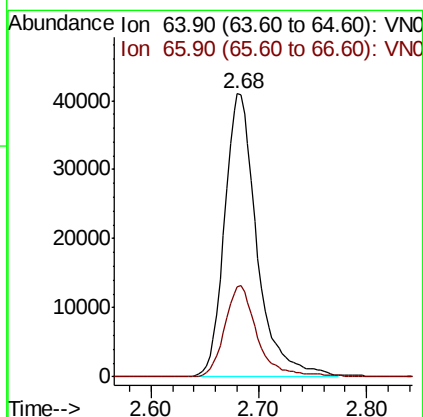
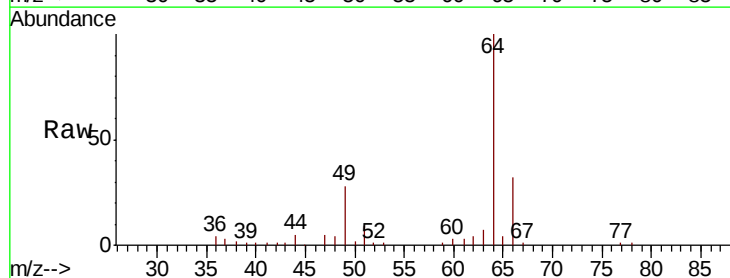
Instrument :
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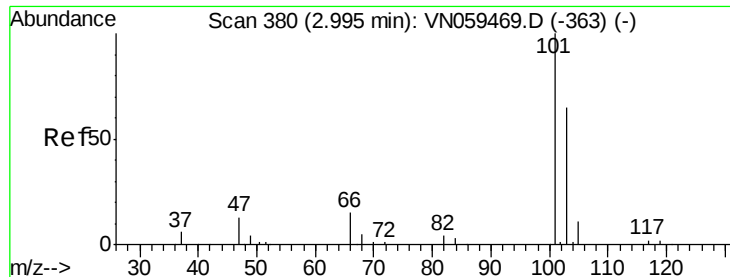
Tot Ion: 94 Resp: 87858
Ion Ratio Lower Upper
94 100
96 95.1 73.5 110.3



#6
Chloroethane
Concen: 42.007 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 64 Resp: 85698
Ion Ratio Lower Upper
64 100
66 32.0 25.2 37.8



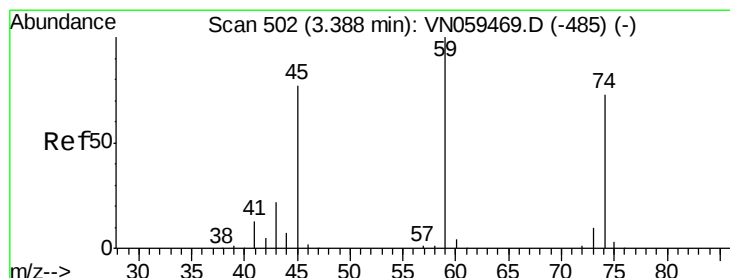
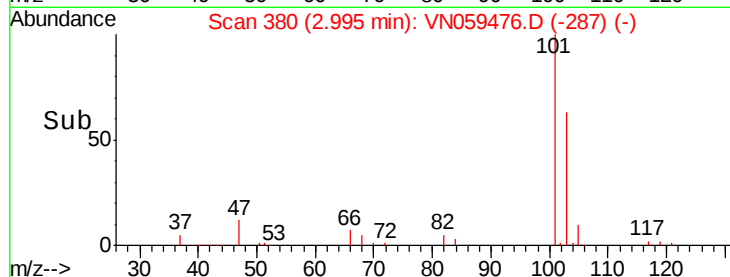
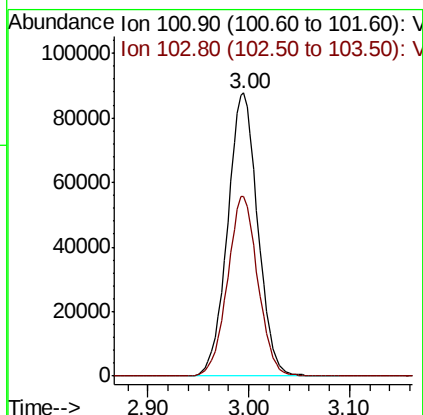
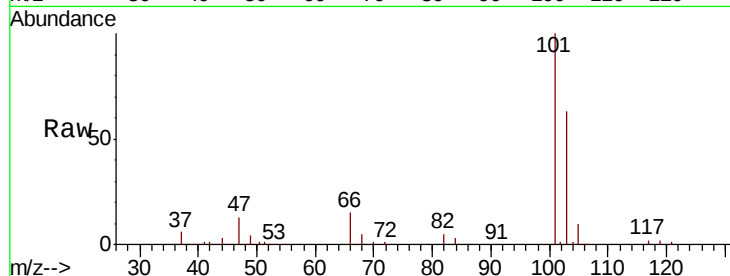


#7

Trichlorofluoromethane
Concen: 43.718 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :

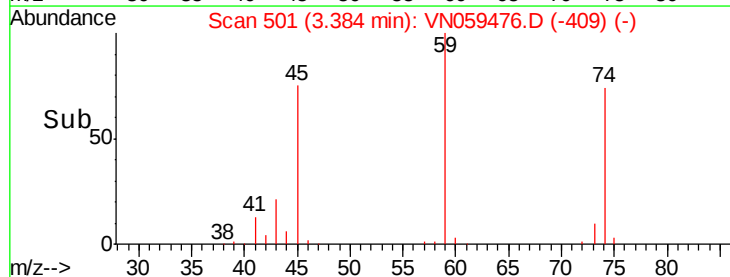
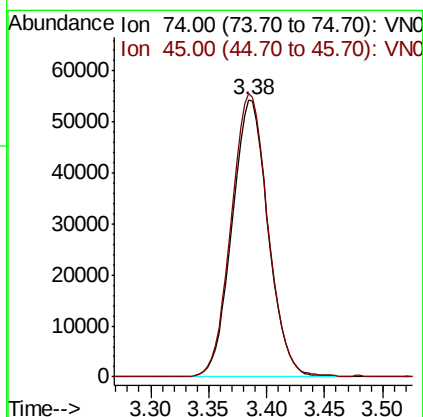
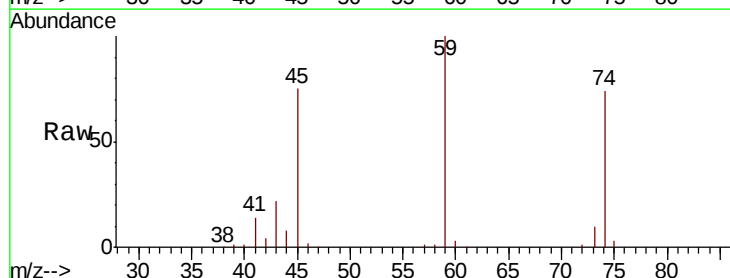
Tot Ion:101 Resp: 182447
Ion Ratio Lower Upper
101 100
103 63.4 52.4 78.6

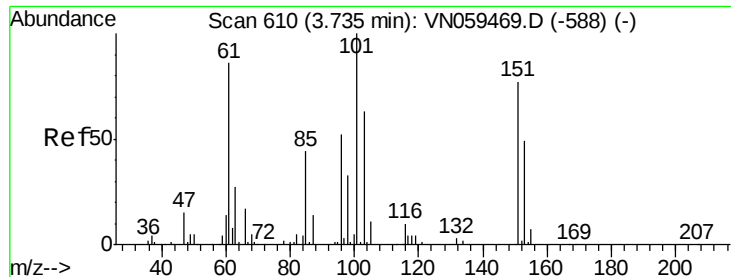


#8

Diethyl Ether
Concen: 43.052 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 74 Resp: 117060
Ion Ratio Lower Upper
74 100
45 104.2 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.513 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

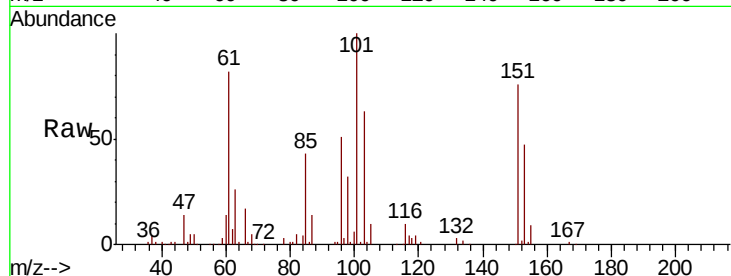
Tot Ion:101 Resp: 178261

Ion Ratio Lower Upper

101 100

85 43.5 35.2 52.8

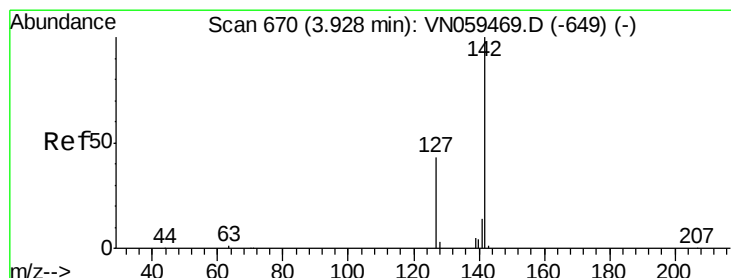
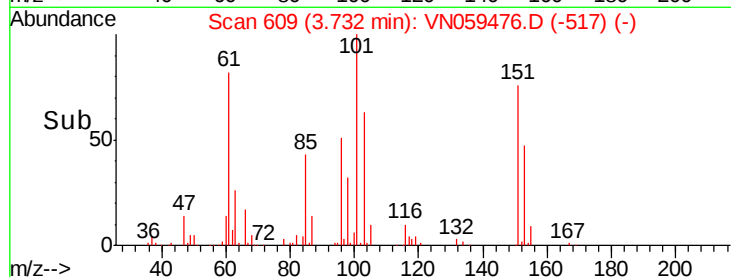
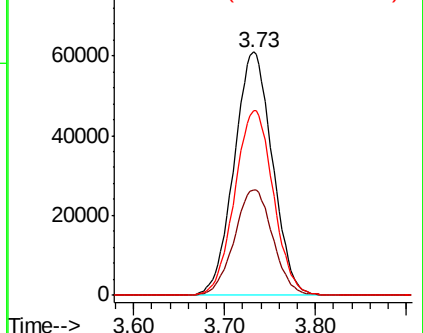
151 76.4 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.198 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

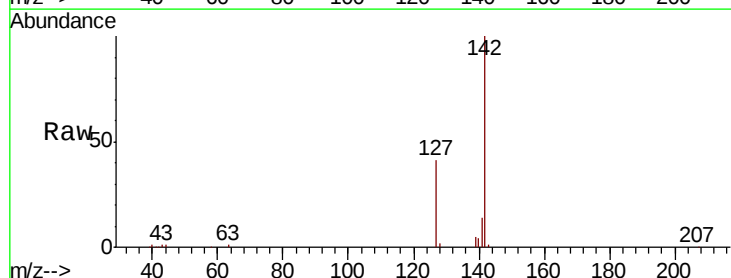
Tgt Ion:142 Resp: 229269

Ion Ratio Lower Upper

142 100

127 42.4 34.6 52.0

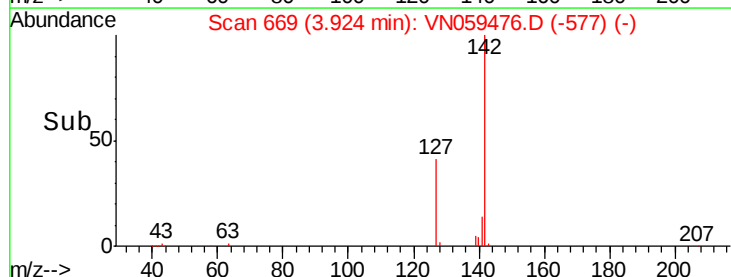
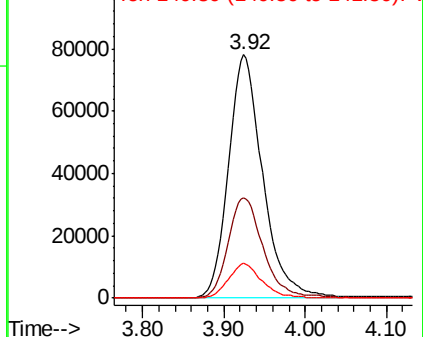
141 14.0 11.4 17.0

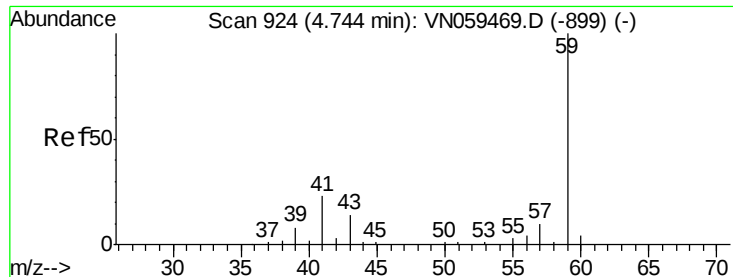


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

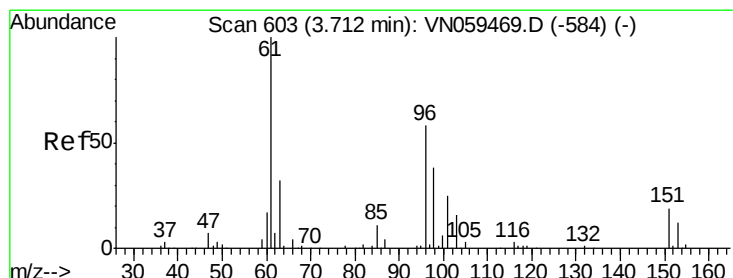
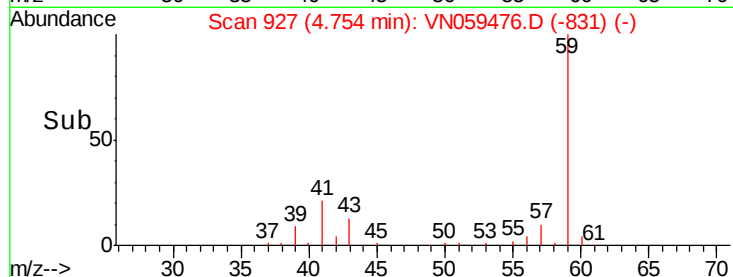
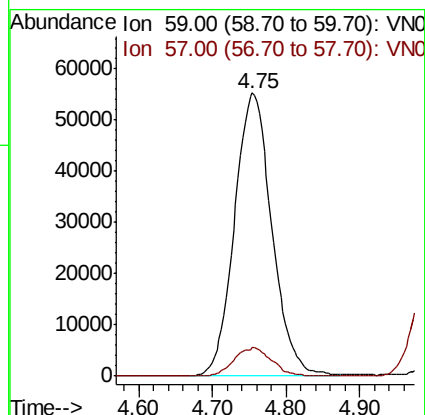
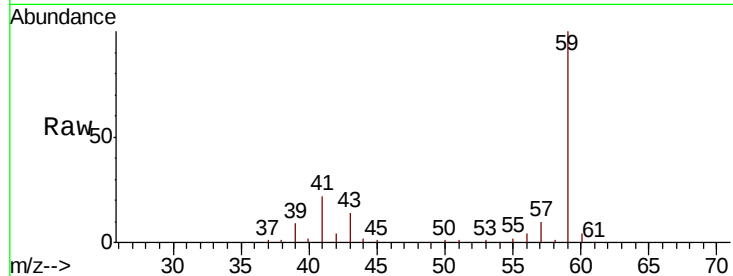




#11
Tert butyl alcohol
Concen: 216.458 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.01 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

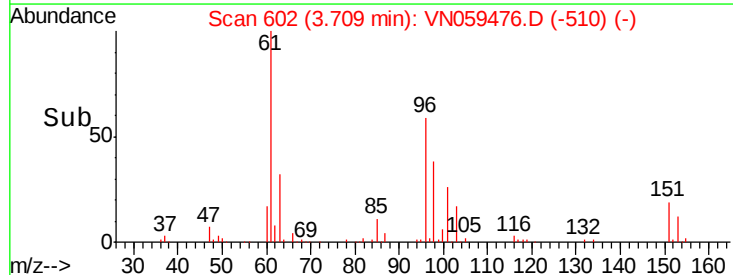
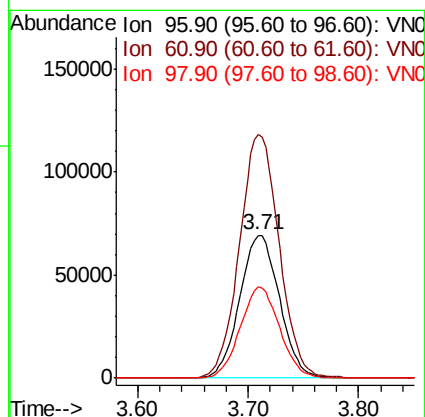
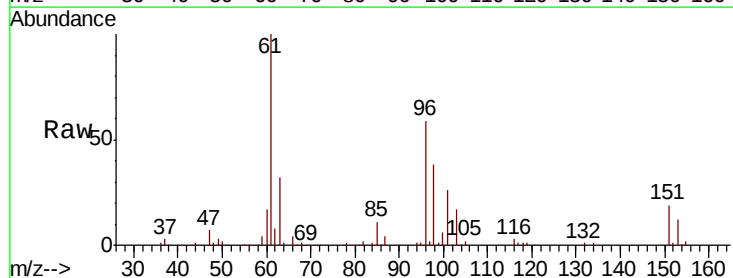
Instrument :
MSVOA_N
ClientSampled :

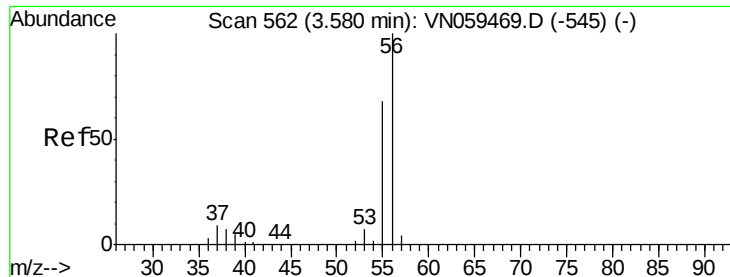
Tot Ion: 59 Resp: 195637
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1



#12
1,1-Dichloroethene
Concen: 43.249 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 96 Resp: 173196
Ion Ratio Lower Upper
96 100
61 170.7 137.1 205.7
98 64.2 52.4 78.6

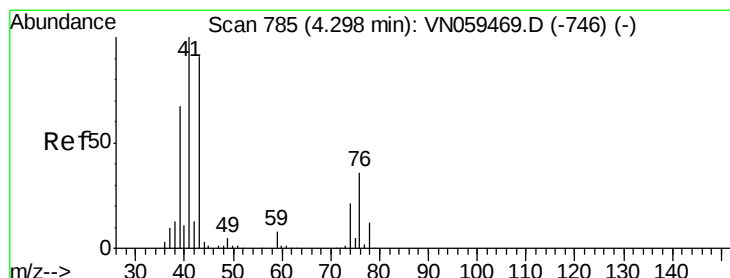
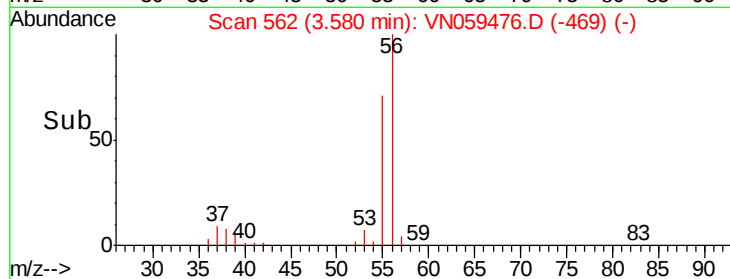
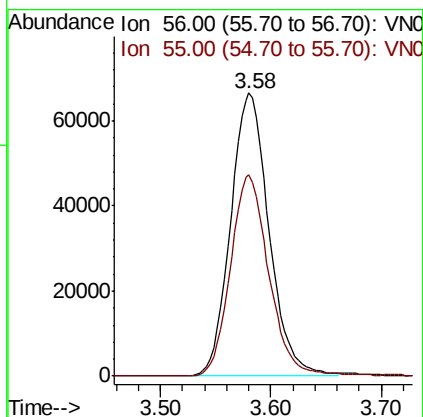
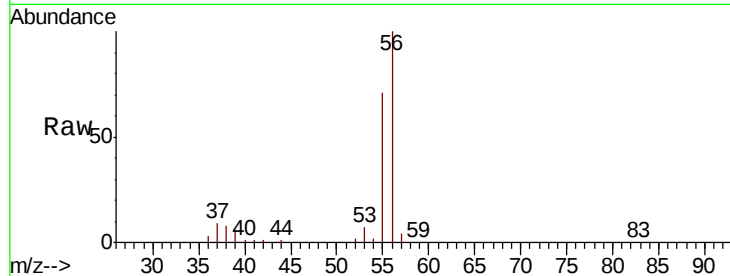




#13
Acrolein
Concen: 204.627 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

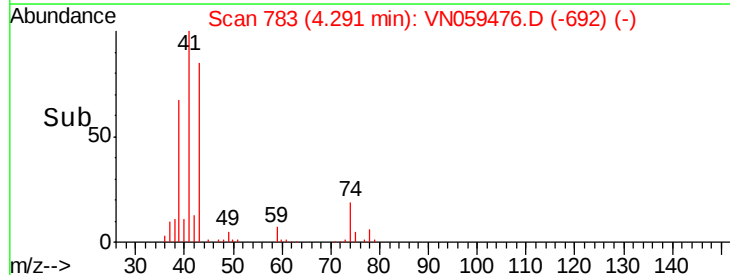
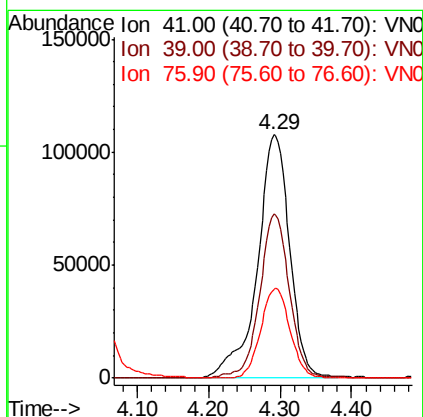
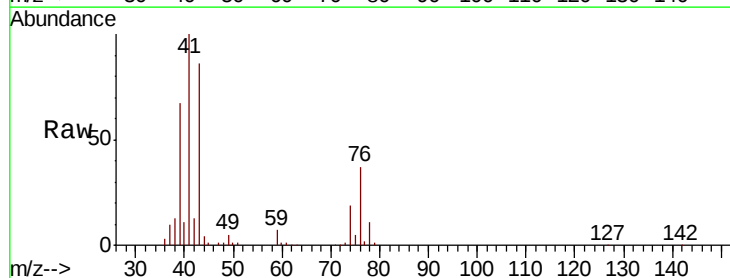
Instrument :
MSVOA_N
ClientSampleId :

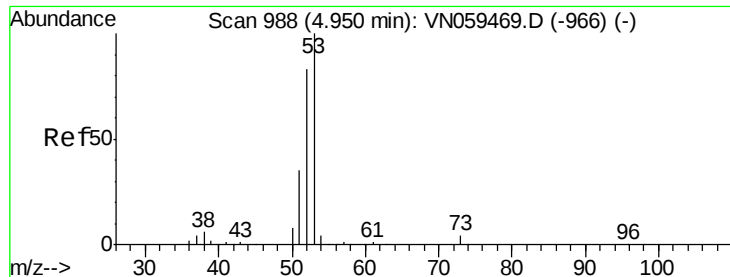
Tot Ion: 56 Resp: 160508
Ion Ratio Lower Upper
56 100
55 71.3 56.5 84.7



#14
Allyl chloride
Concen: 42.816 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 41 Resp: 337713
Ion Ratio Lower Upper
41 100
39 61.9 49.3 73.9
76 33.0 25.6 38.4





#15

Acrylonitrile

Concen: 217.474 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampled :

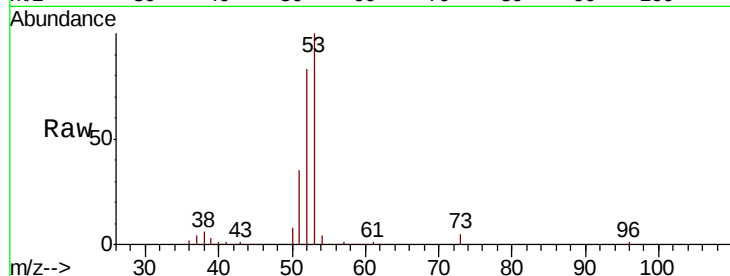
Tot Ion: 53 Resp: 531757

Ion Ratio Lower Upper

53 100

52 81.1 65.5 98.3

51 34.9 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN059469.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059469.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059469.D (-966) (-)

4.95

200000

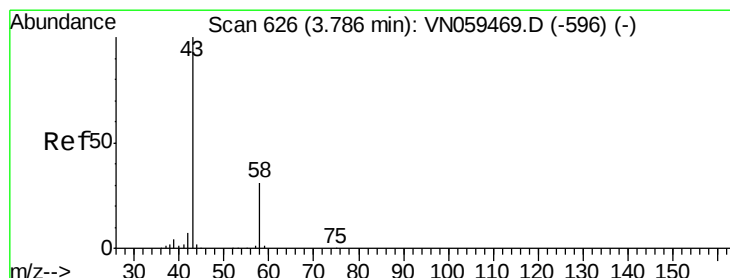
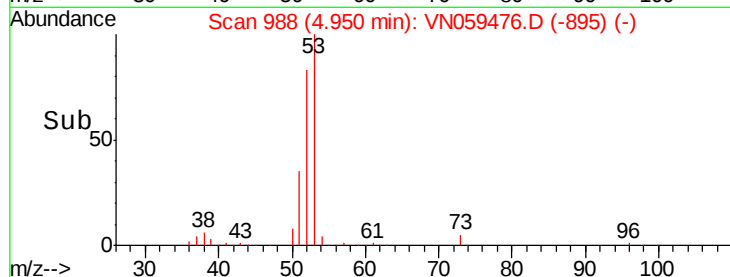
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 249.940 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059476.D

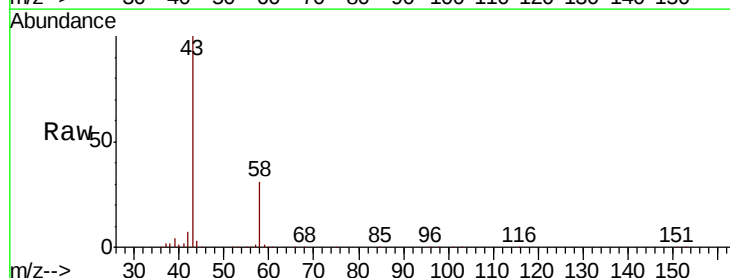
Acq: 4 Dec 2019 9:53

Tgt Ion: 43 Resp: 669453

Ion Ratio Lower Upper

43 100

58 31.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-596) (-)

Ion 58.00 (57.70 to 58.70): VN059469.D (-596) (-)

3.79

300000

250000

200000

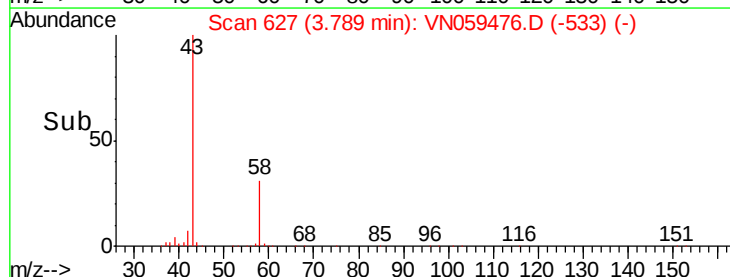
150000

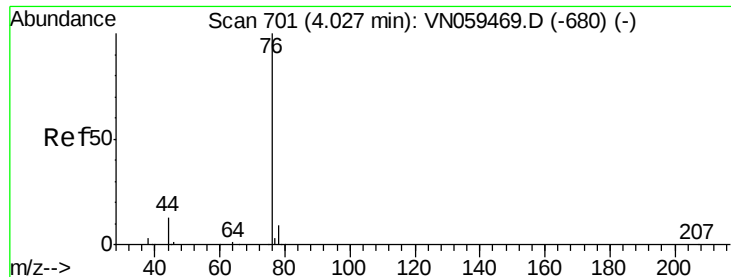
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 40.733 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

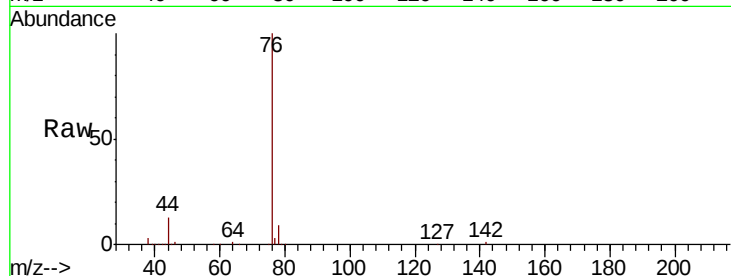
ClientSampleId :

Tot Ion: 76 Resp: 556578

Ion Ratio Lower Upper

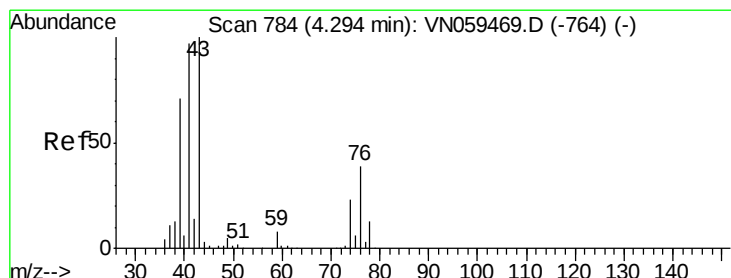
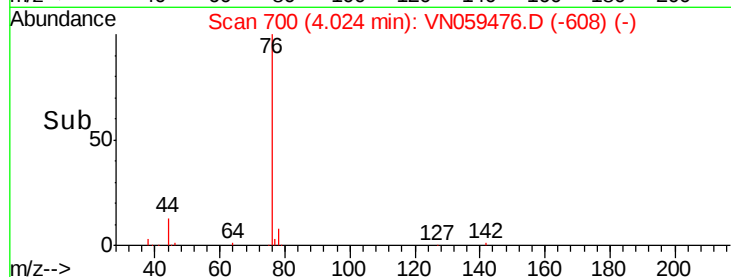
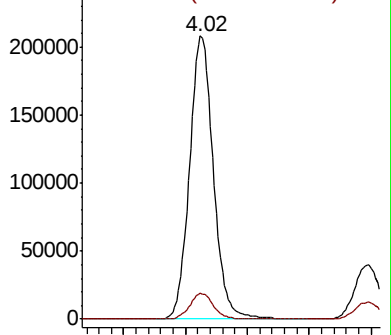
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 41.307 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059476.D

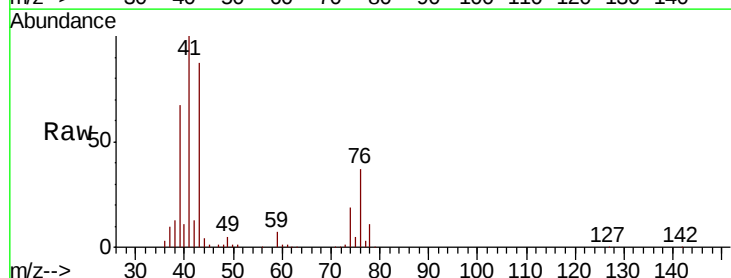
Acq: 4 Dec 2019 9:53

Tgt Ion: 43 Resp: 266705

Ion Ratio Lower Upper

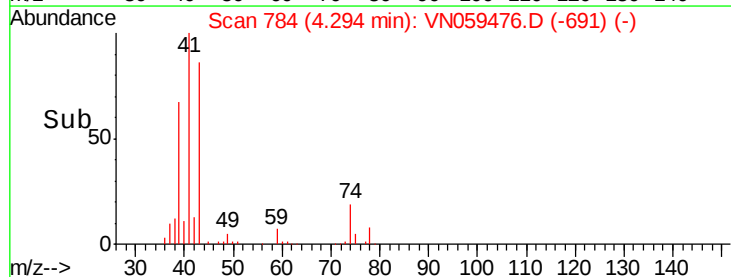
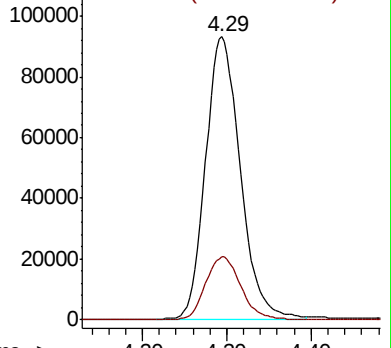
43 100

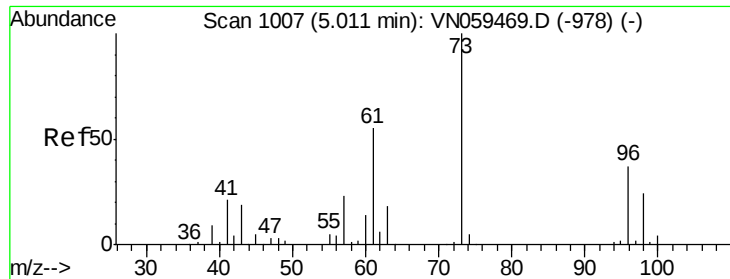
74 22.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

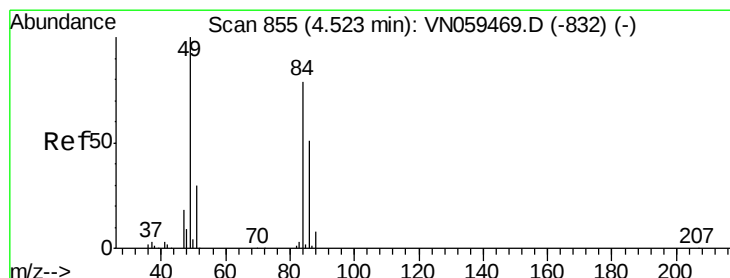
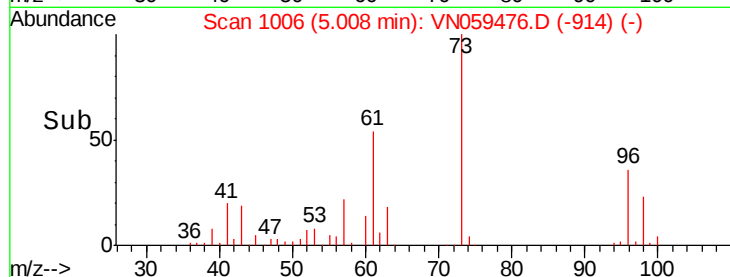
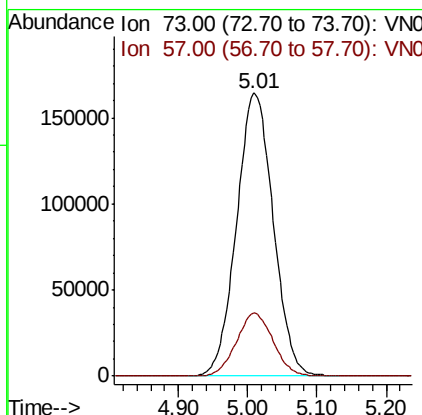
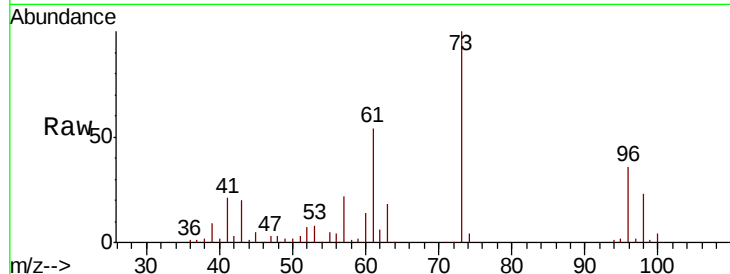




#19
Methvl tert-butvl Ether
Concen: 44.346 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

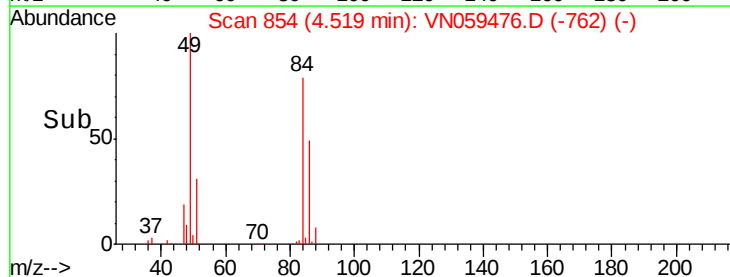
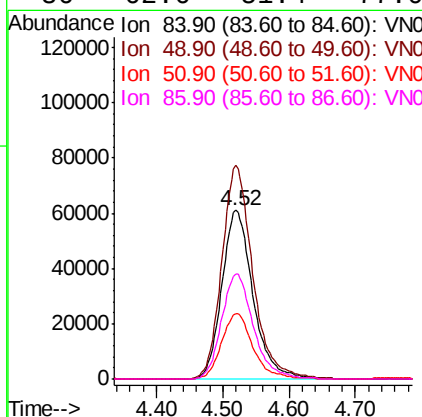
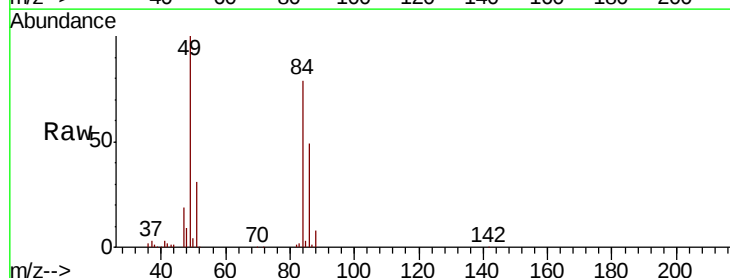
Instrument :
MSVOA_N
ClientSampled :

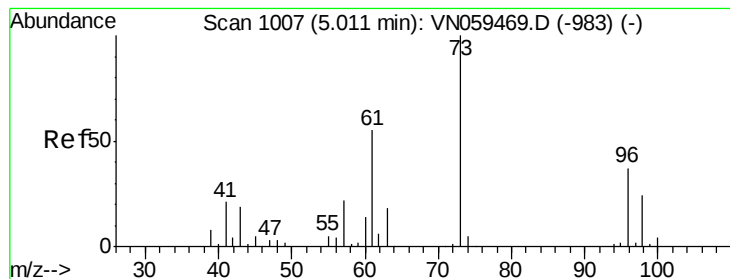
Tot Ion: 73 Resp: 605256
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0



#20
Methylene Chloride
Concen: 44.041 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 84 Resp: 199608
Ion Ratio Lower Upper
84 100
49 126.4 101.1 151.7
51 38.7 30.7 46.1
86 62.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 43.016 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

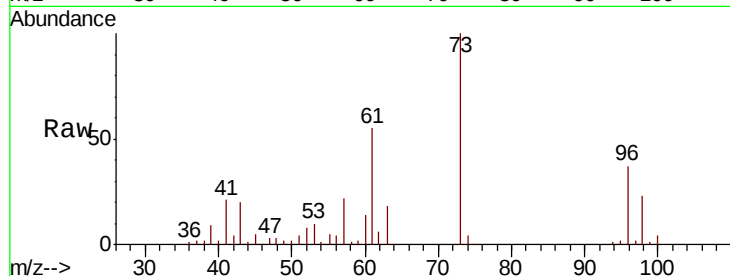
Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 192747

Ion	Ratio	Lower	Upper
96	100		
61	147.9	118.9	178.3
98	63.1	51.6	77.4

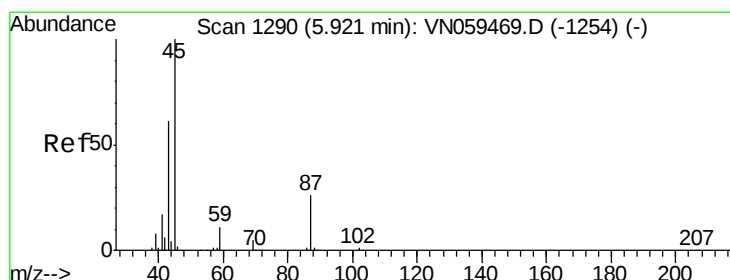
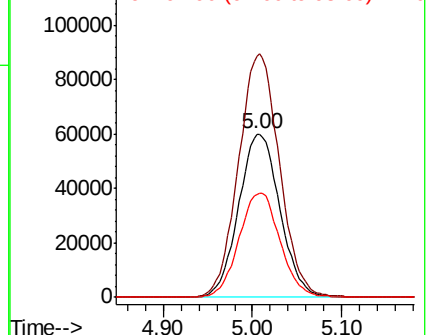
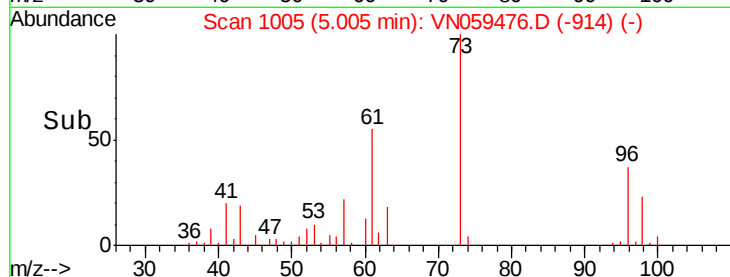


Abundance

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: 44.973 ug/l

RT: 5.92 min Scan# 1289

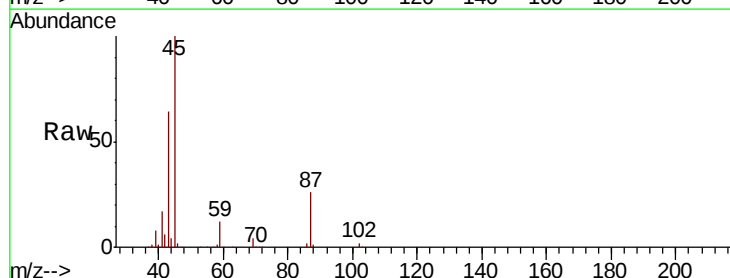
Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Tgt Ion: 45 Resp: 660228

Ion	Ratio	Lower	Upper
45	100		
43	63.1	49.1	73.7
87	26.5	21.6	32.4
59	11.5	9.0	13.4



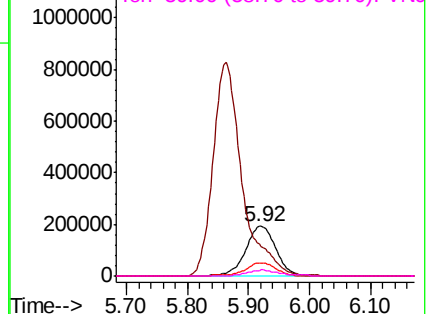
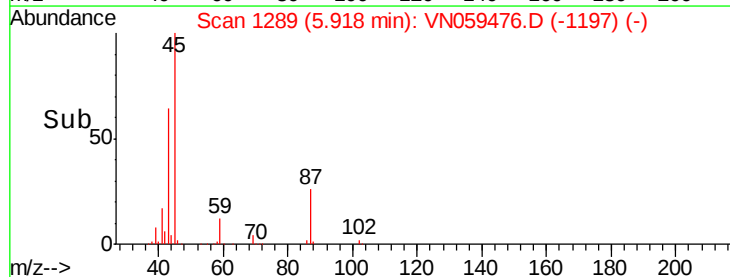
Abundance

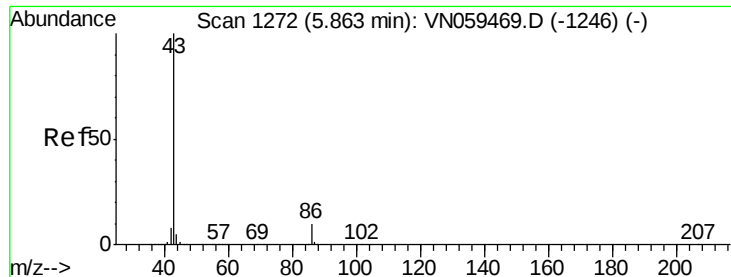
Ion 45.00 (44.70 to 45.70): VN0

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: 232.503 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

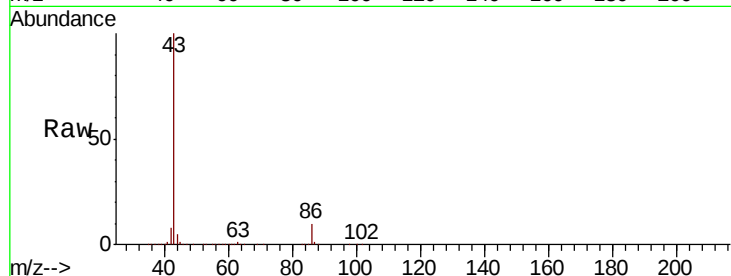
ClientSampleId :

Tot Ion: 43 Resp: 2738909

Ion Ratio Lower Upper

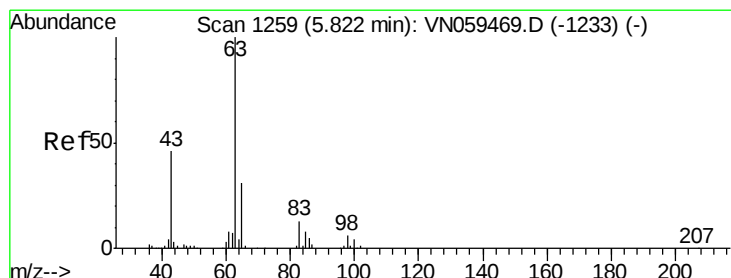
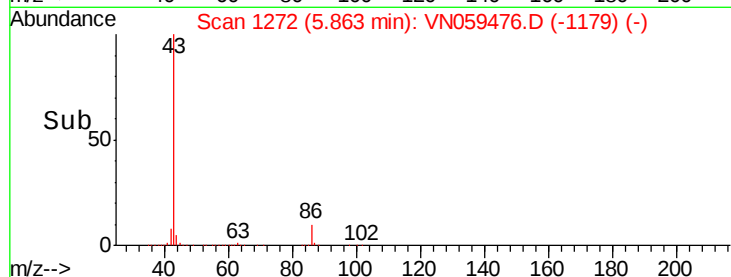
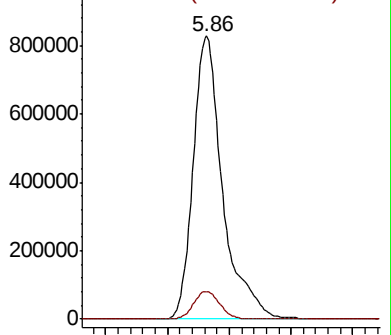
43 100

86 9.9 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 44.250 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

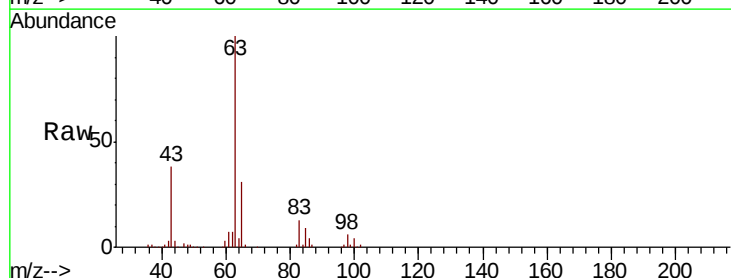
Tgt Ion: 63 Resp: 369033

Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

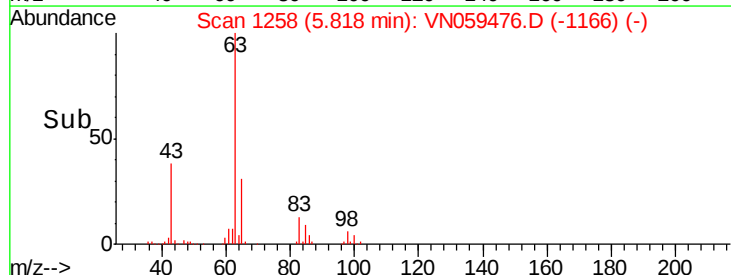
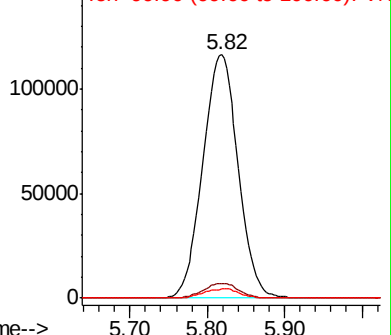
100 3.6 2.0 6.0

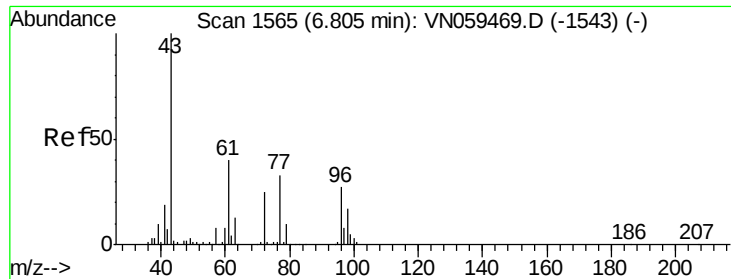


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 223.973 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

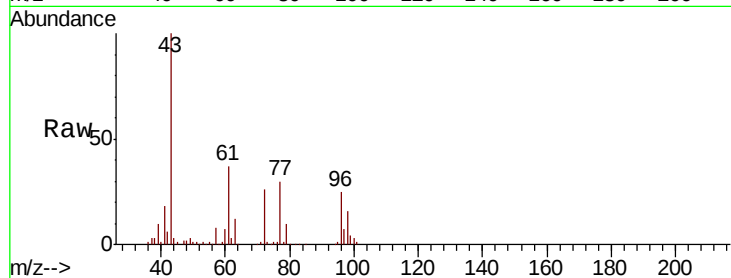
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 816514

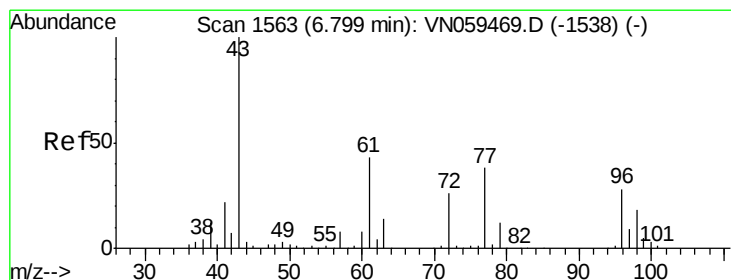
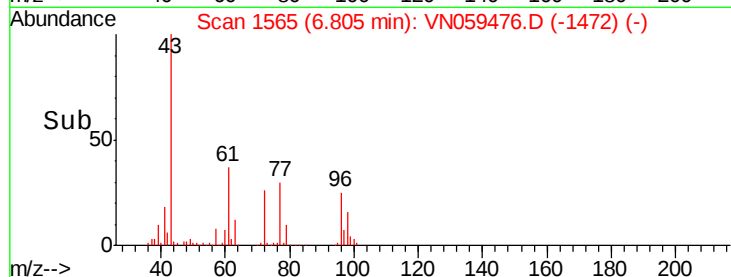
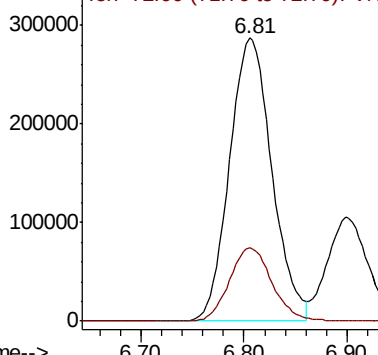
Ion Ratio Lower Upper

43 100

72 25.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 43.592 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059476.D

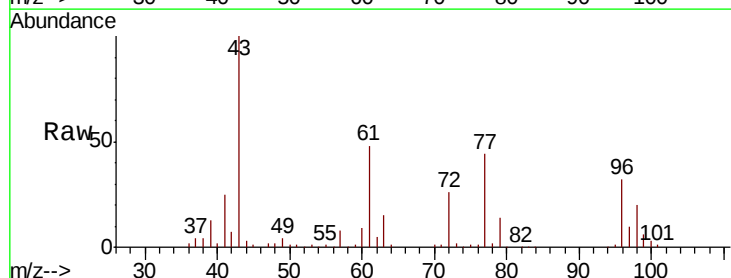
Acq: 4 Dec 2019 9:53

Tgt Ion: 77 Resp: 314434

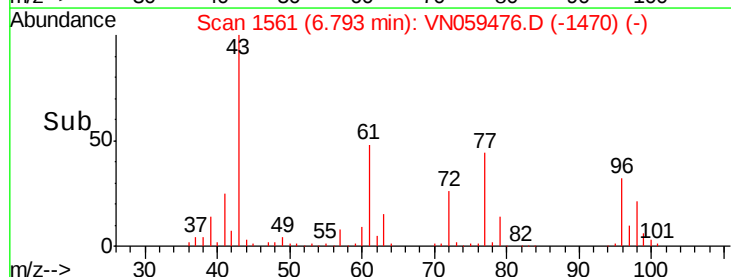
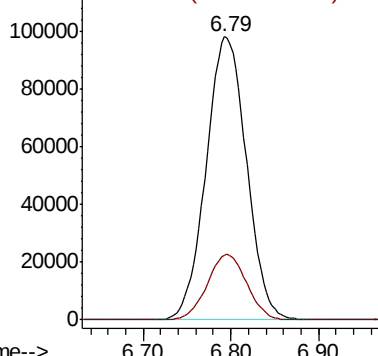
Ion Ratio Lower Upper

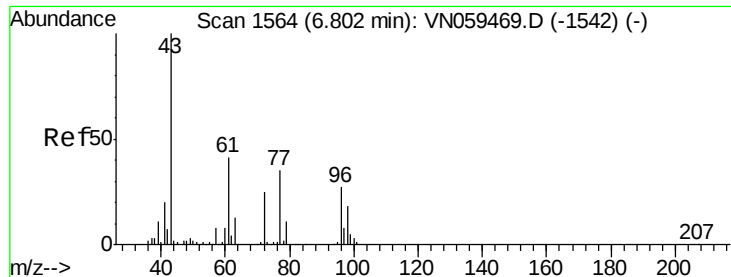
77 100

97 22.6 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 43.725 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampled :

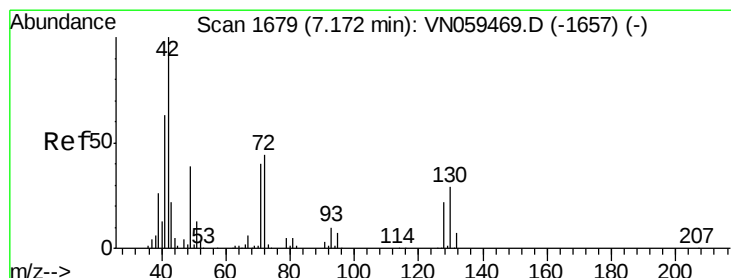
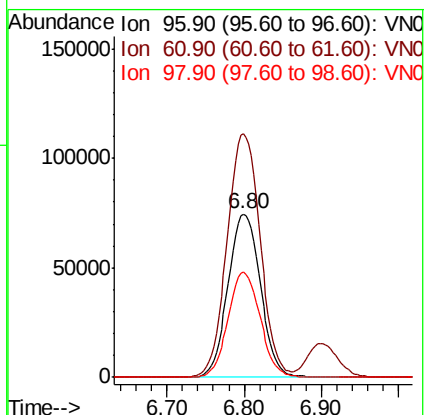
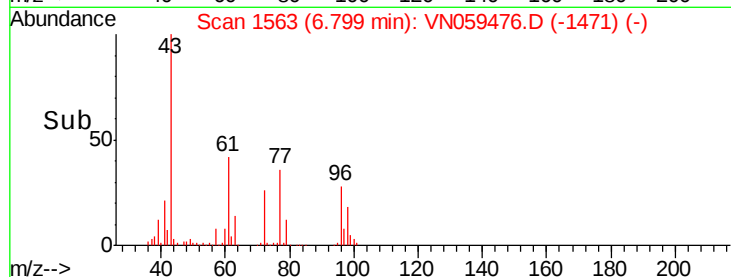
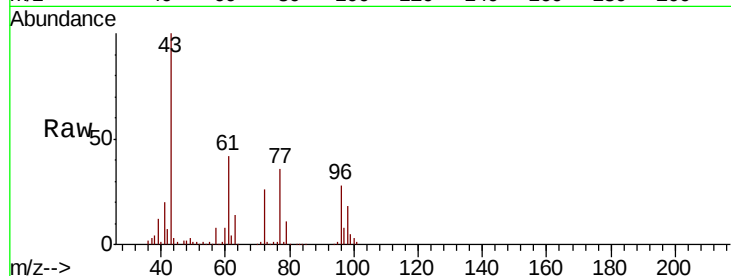
Tot Ion: 96 Resp: 217594

Ion Ratio Lower Upper

96 100

61 151.8 0.0 307.4

98 63.6 0.0 129.2



#28

Bromochloromethane

Concen: 48.029 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

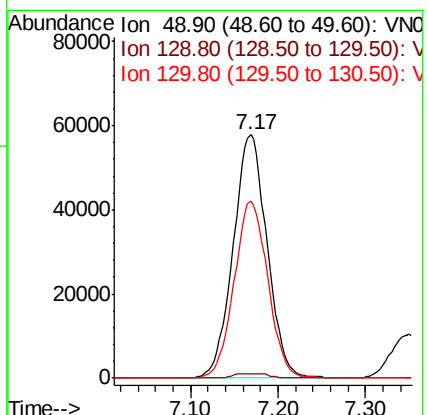
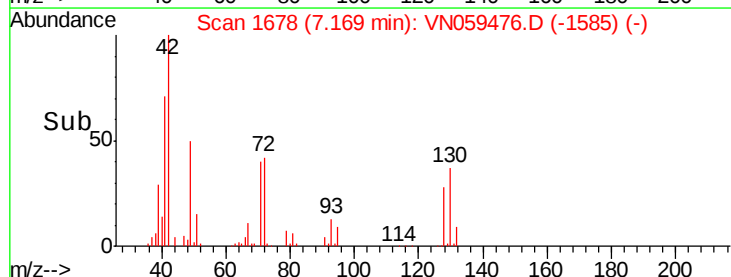
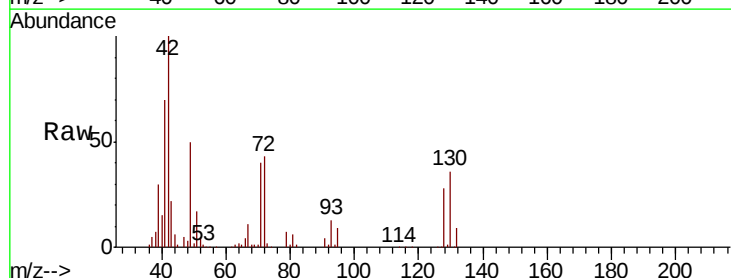
Tgt Ion: 49 Resp: 155868

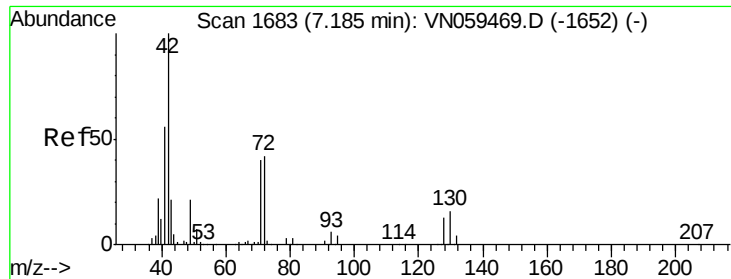
Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.2

130 72.0 58.4 87.6

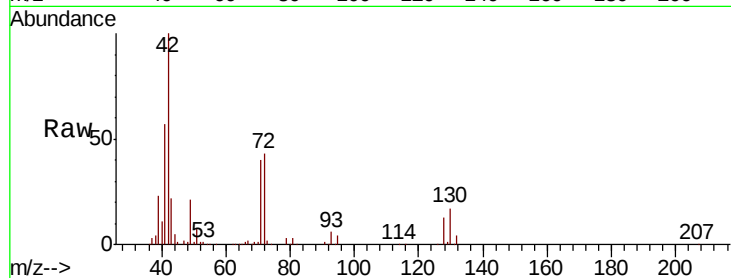




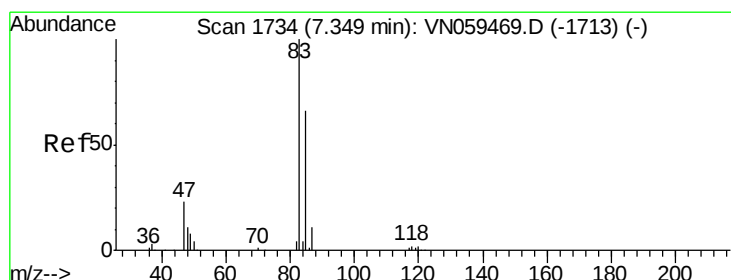
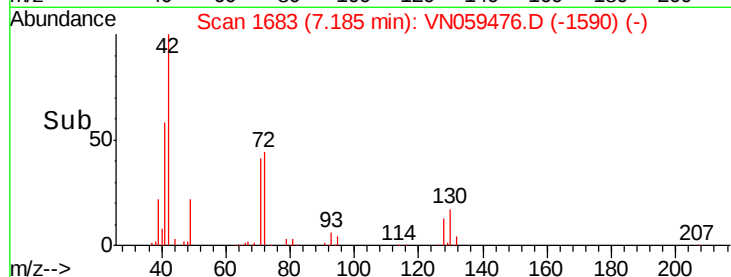
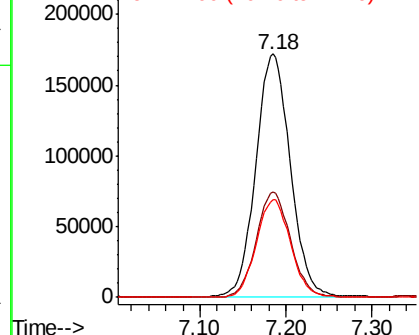
#29
Tetrahydrofuran
Concen: 210.536 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 482616
Ion Ratio Lower Upper
42 100
72 42.9 34.2 51.2
71 39.8 32.0 48.0

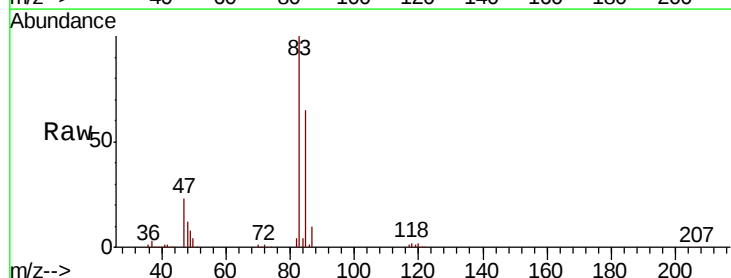


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

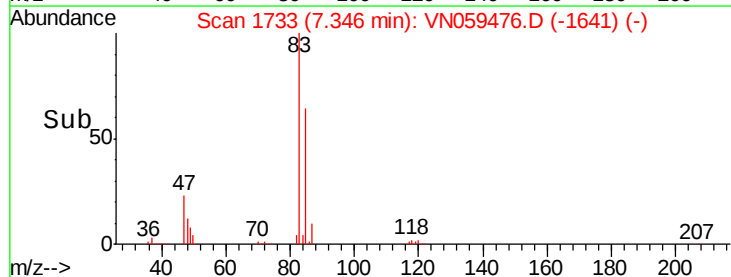
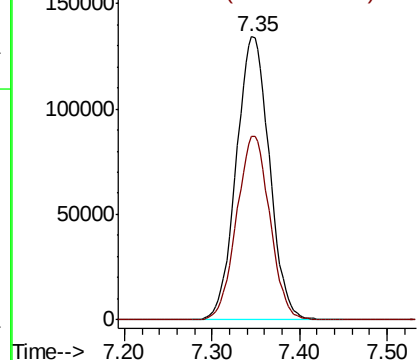


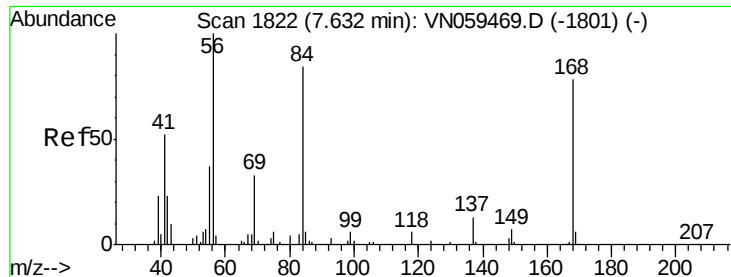
#30
Chloroform
Concen: 43.782 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 83 Resp: 352543
Ion Ratio Lower Upper
83 100
85 64.6 52.4 78.6



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

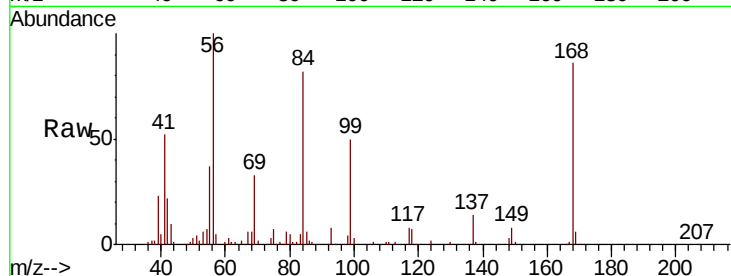




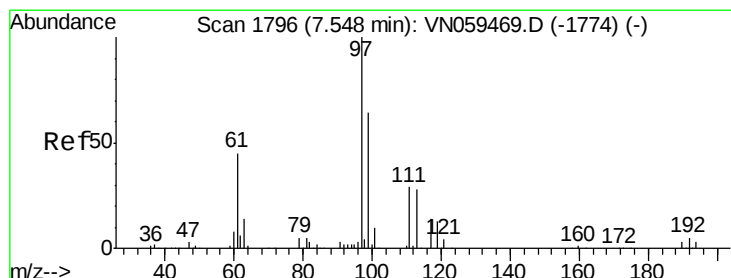
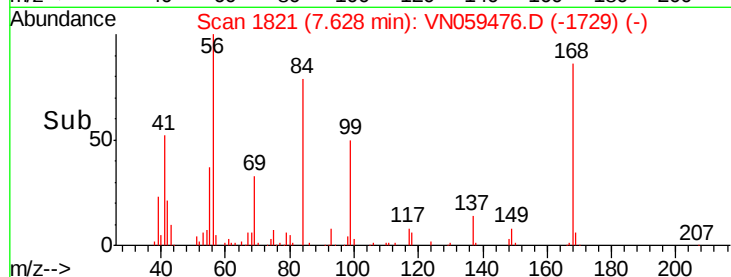
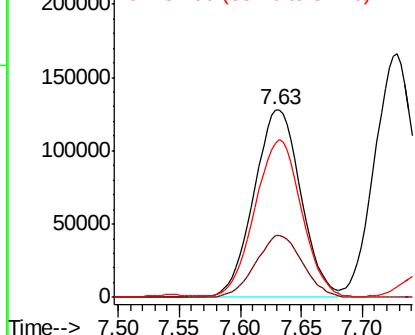
#31
Cyclohexane
Concen: 42.367 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 342356
Ion Ratio Lower Upper
56 100
69 33.0 26.2 39.4
84 81.4 66.8 100.2

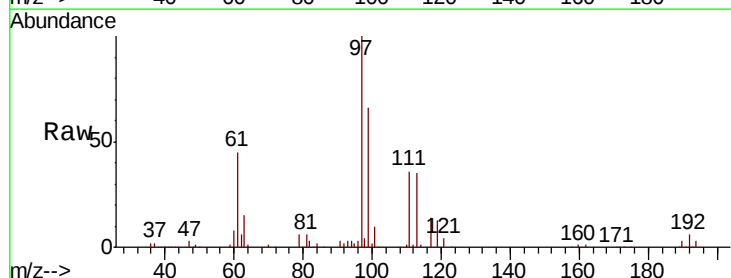


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

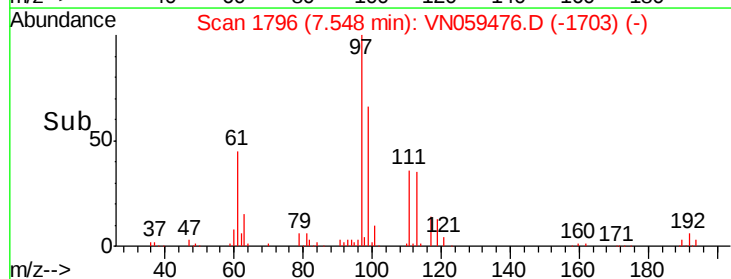
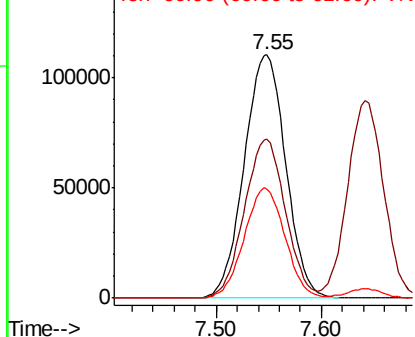


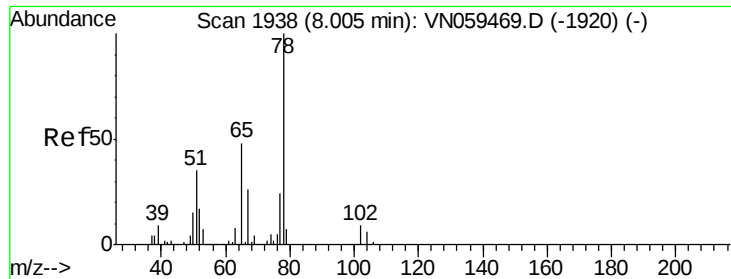
#32
1,1,1-Trichloroethane
Concen: 43.243 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 97 Resp: 302640
Ion Ratio Lower Upper
97 100
99 64.7 51.7 77.5
61 44.3 35.4 53.0



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

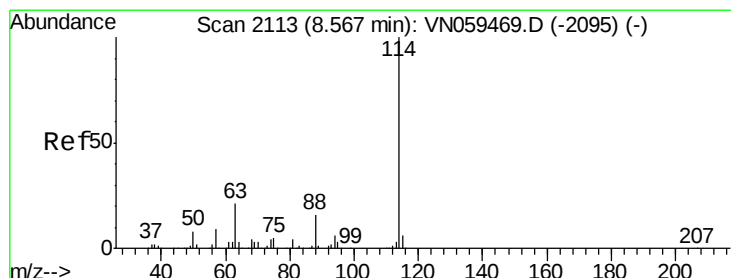
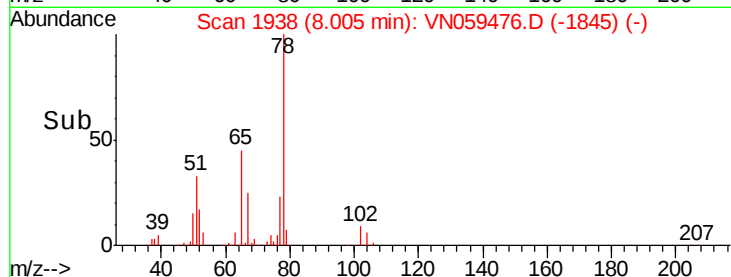
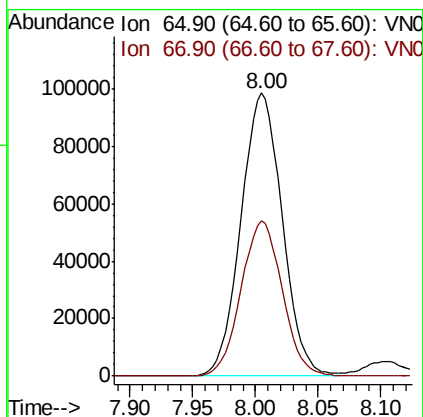
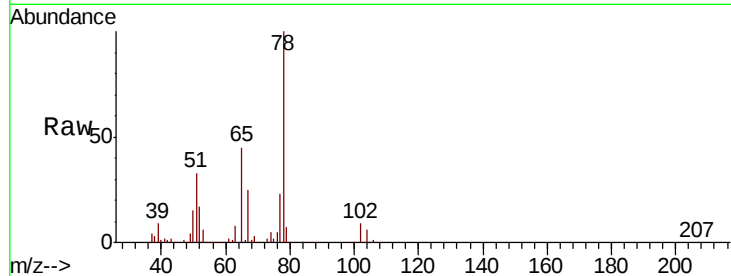




#33
 1,2-Dichloroethane-d4
 Concen: 47.086 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

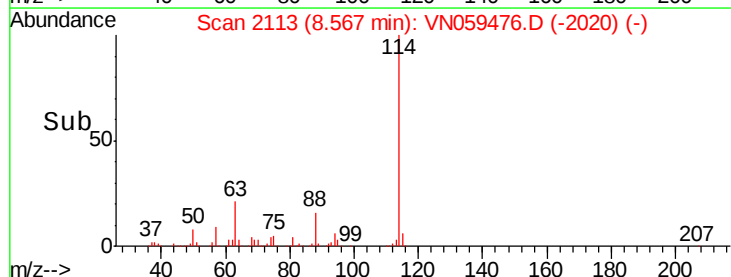
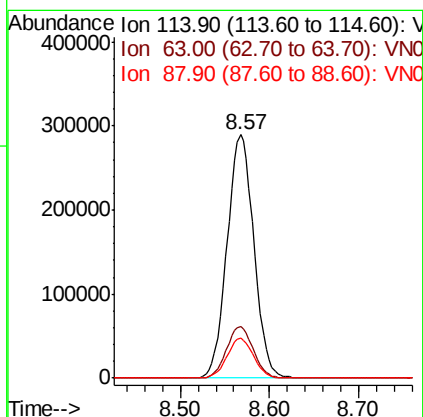
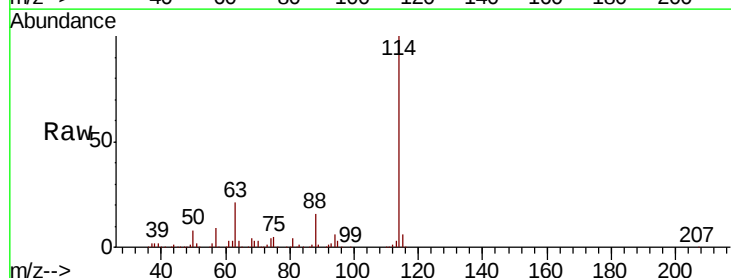
Instrument :
 MSVOA_N
 ClientSampled :

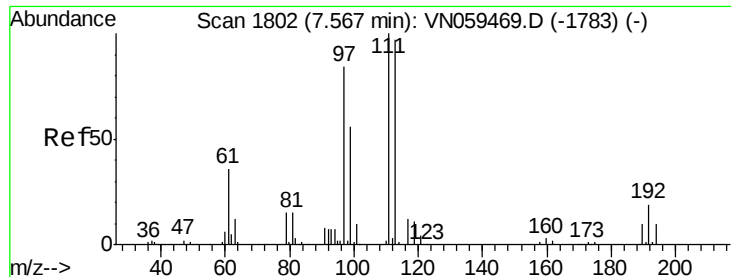
Tot Ion: 65 Resp: 225842
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion: 114 Resp: 601436
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 16.2 0.0 32.8

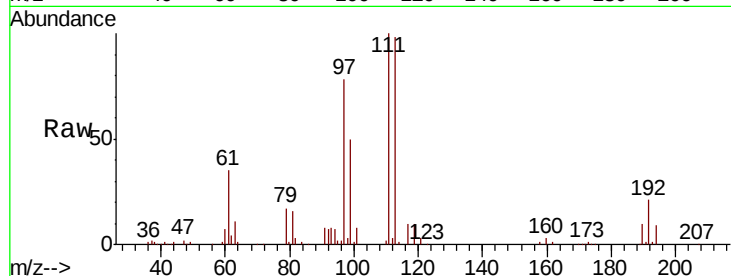




#35
 Dibromofluoromethane
 Concen: 47.659 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.5	123.7
192	20.2	16.1	24.1

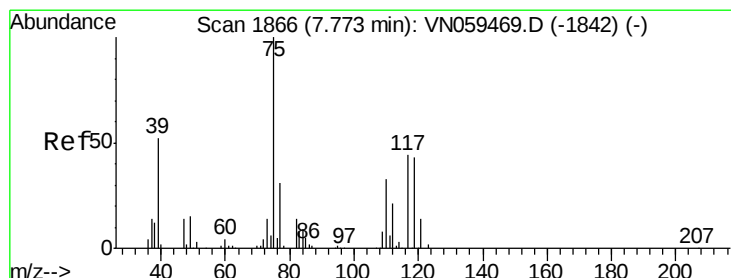
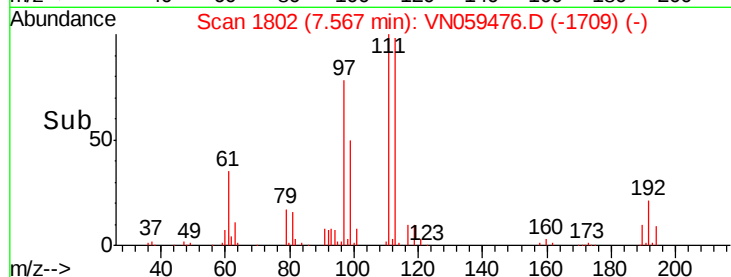
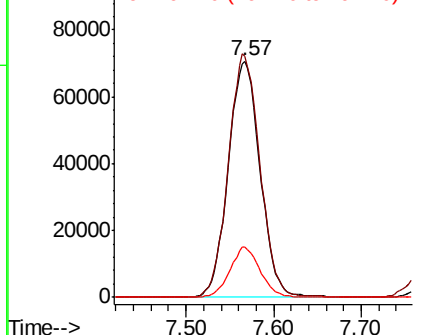


Abundance

Ion 112.80 (112.50 to 113.50): V

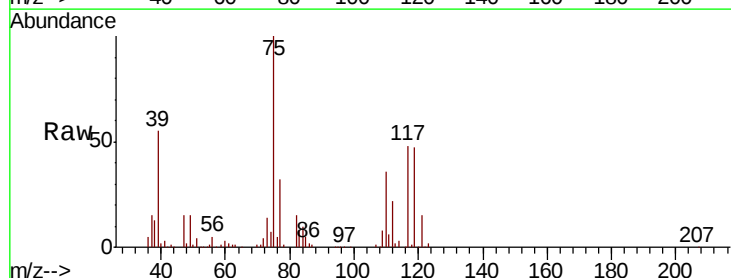
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 44.546 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.7
77	31.1	25.1	37.7

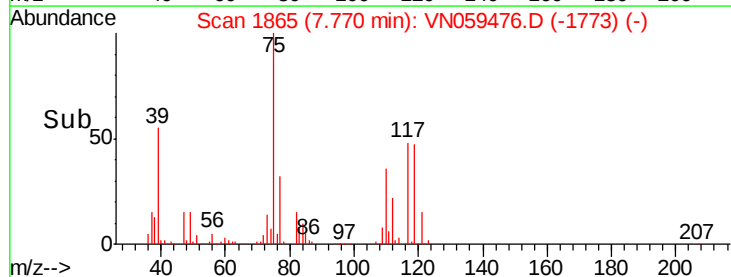
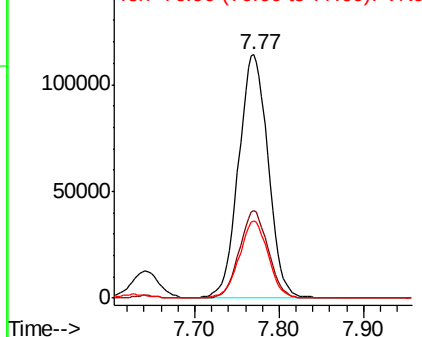


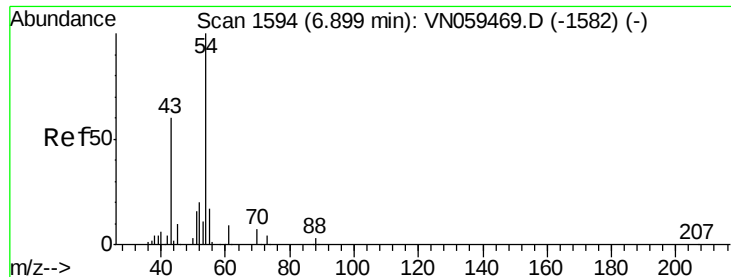
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

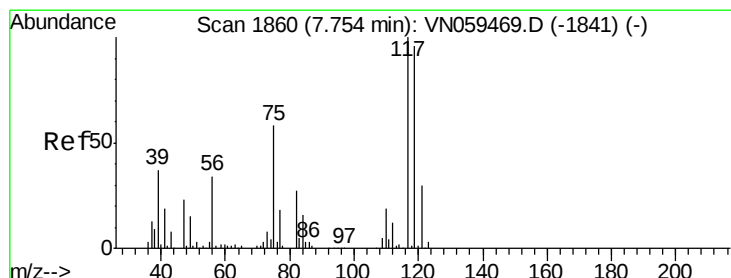
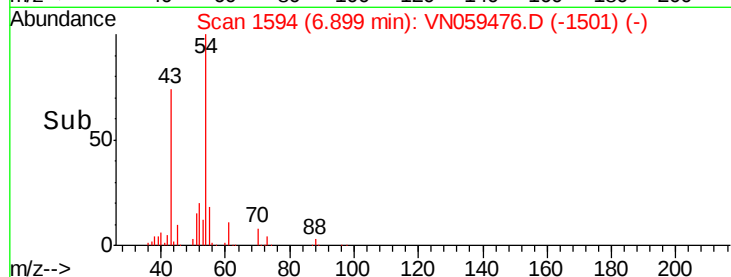
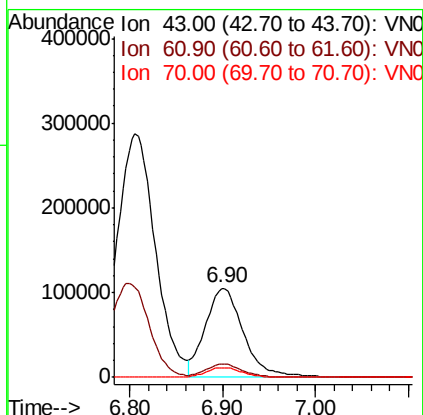
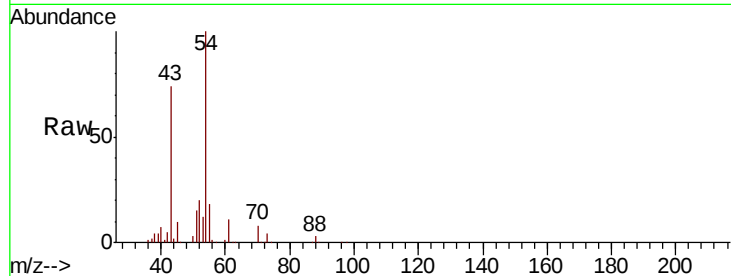




#37
Ethyl Acetate
Concen: 42.094 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

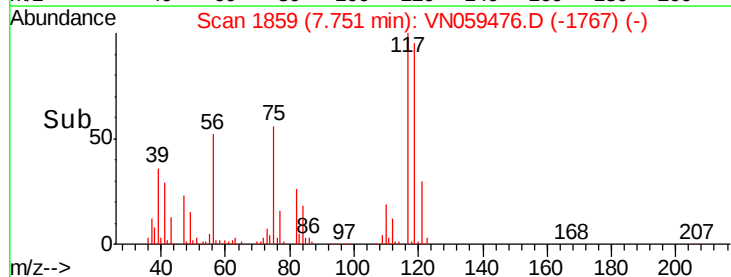
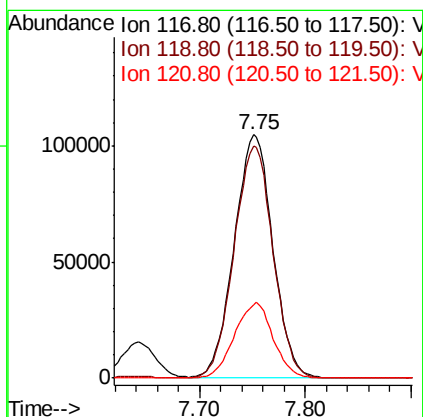
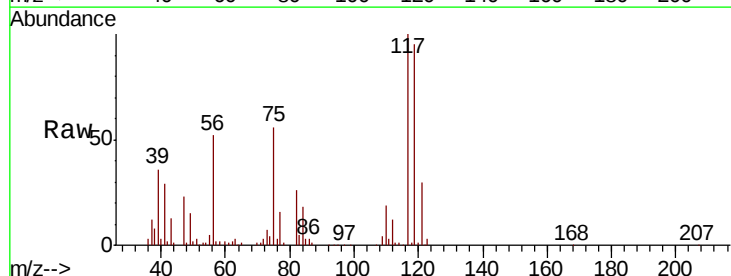
Instrument :
MSVOA_N
ClientSampleId :

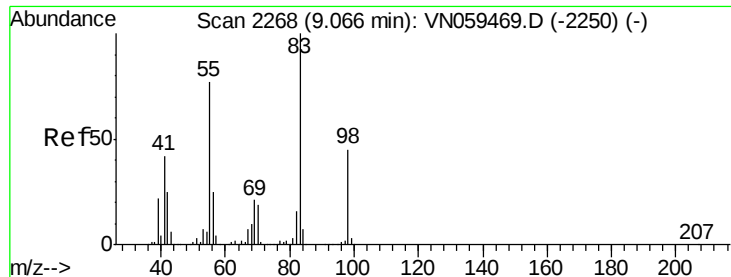
Tot Ion: 43 Resp: 294280
Ion Ratio Lower Upper
43 100
61 14.8 11.3 16.9
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 44.320 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 117 Resp: 266793
Ion Ratio Lower Upper
117 100
119 95.0 76.6 114.8
121 30.3 24.0 36.0

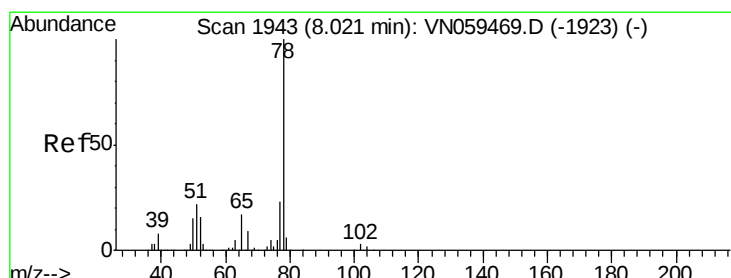
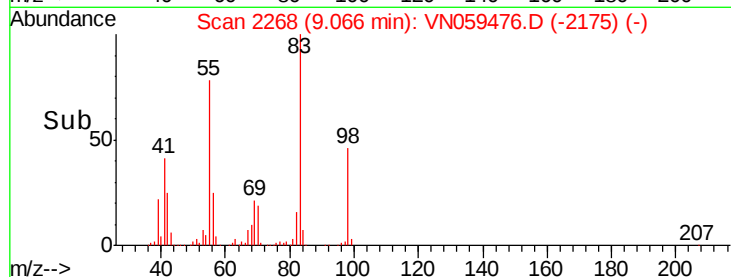
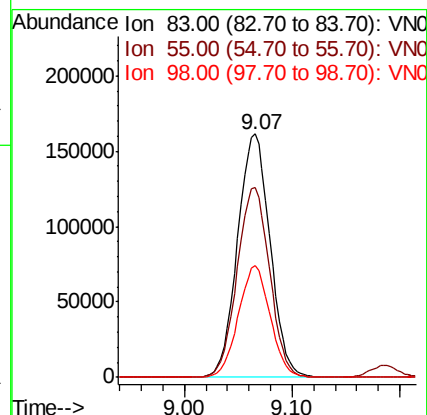
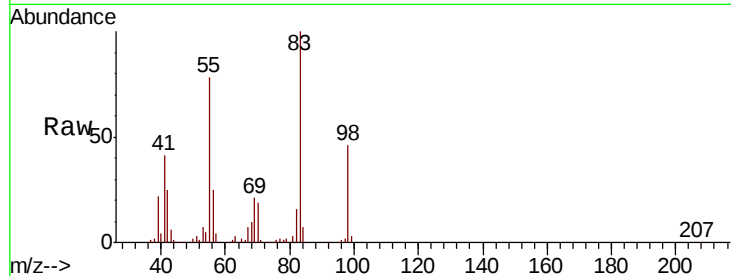




#39
Methvlcvclohexane
Concen: 44.847 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

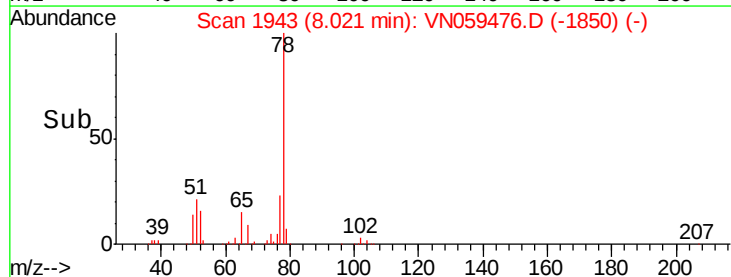
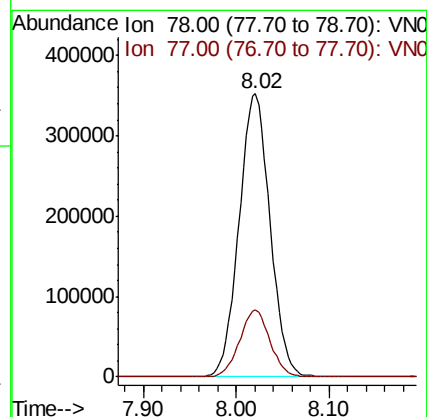
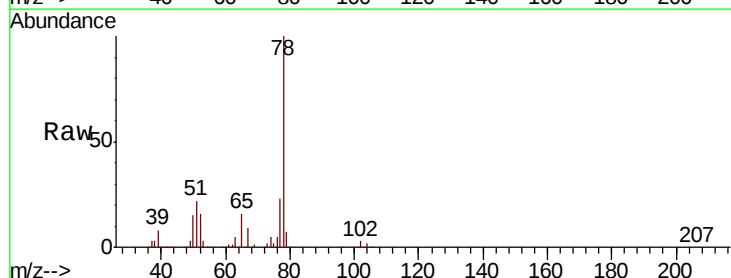
Instrument :
MSVOA_N
ClientSampleId :

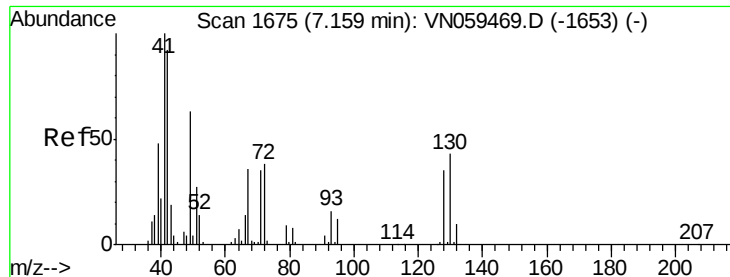
Tot Ion: 83 Resp: 337778
Ion Ratio Lower Upper
83 100
55 77.8 61.8 92.6
98 45.8 36.2 54.2



#40
Benzene
Concen: 44.523 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 78 Resp: 816004
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.2

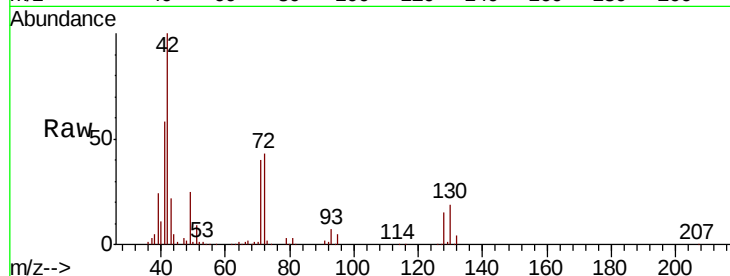




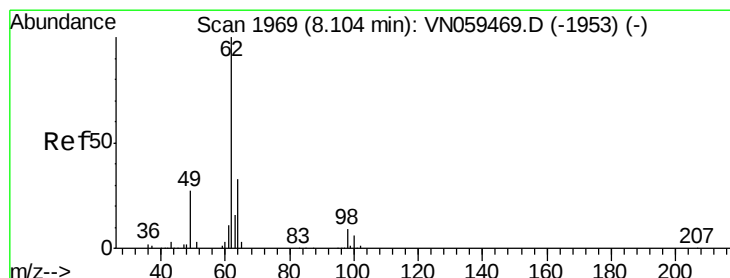
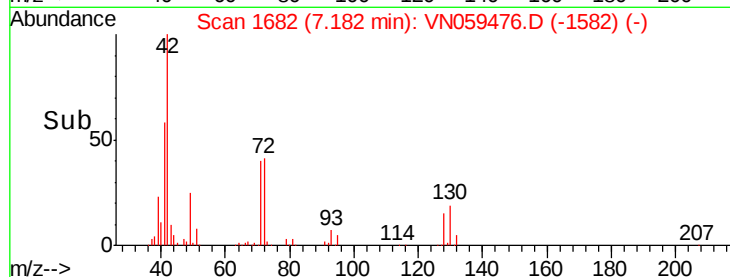
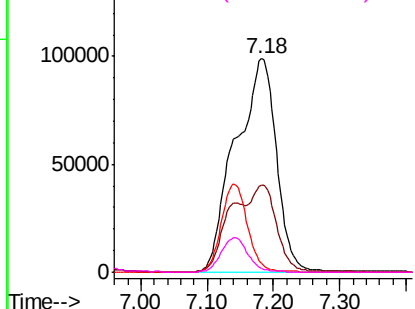
#41
Methacrylonitrile
Concen: 150.103 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.02 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	425292
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

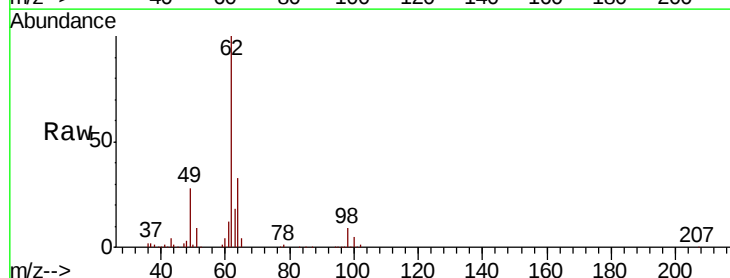


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

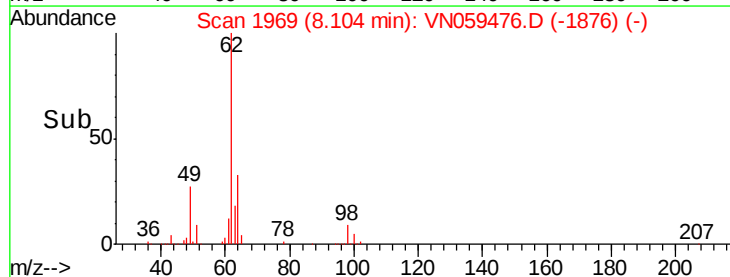
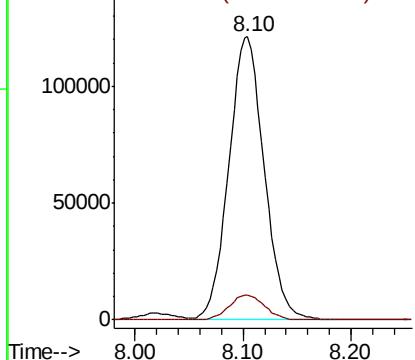


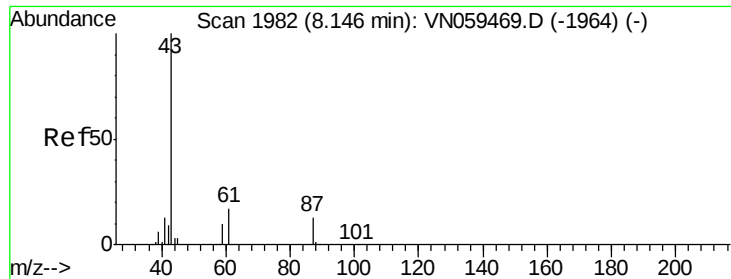
#42
1,2-Dichloroethane
Concen: 44.269 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion:	62	Resp:	275609
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



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

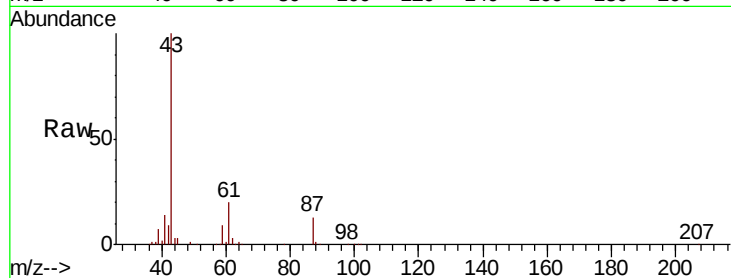




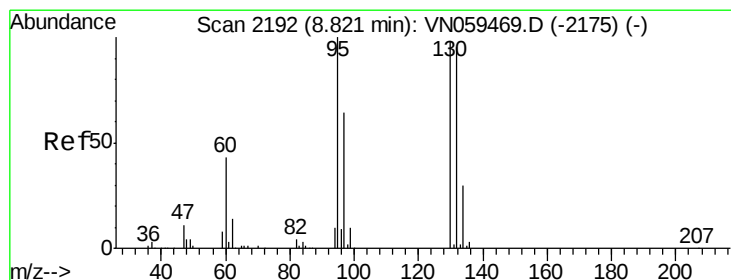
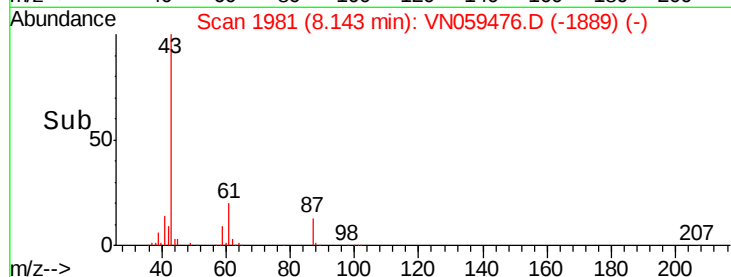
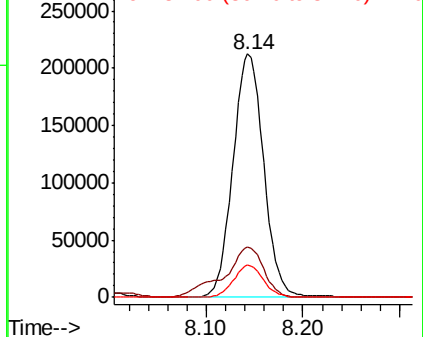
#43
Isopropyl Acetate
Concen: 44.963 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 467518
Ion Ratio Lower Upper
43 100
61 26.6 21.0 31.6
87 12.9 10.4 15.6

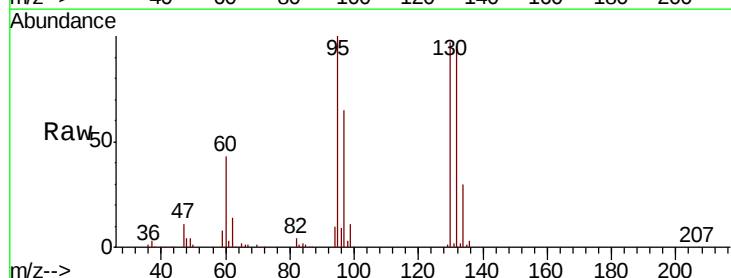


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

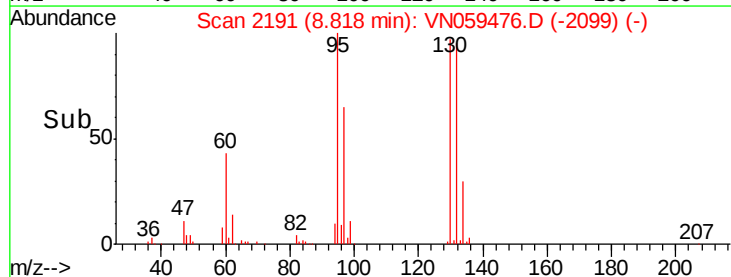
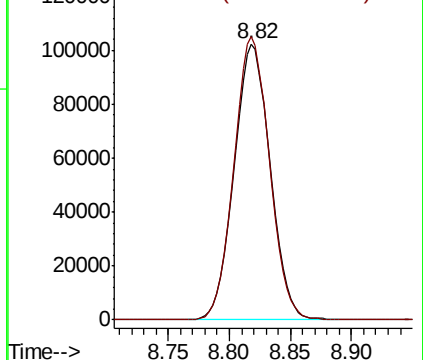


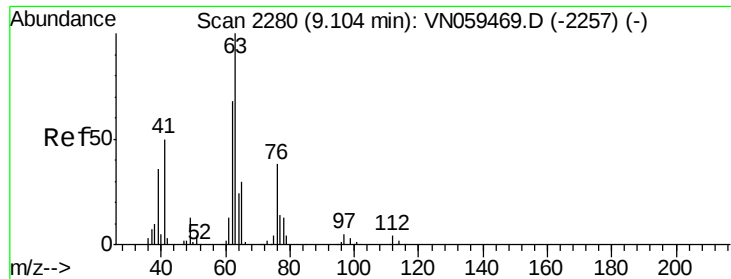
#44
Trichloroethene
Concen: 43.638 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion:130 Resp: 209006
Ion Ratio Lower Upper
130 100
95 102.6 0.0 203.6



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

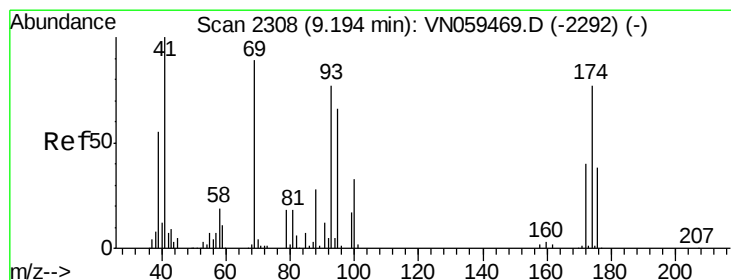
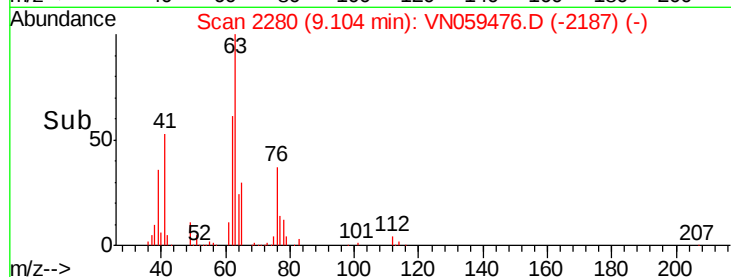
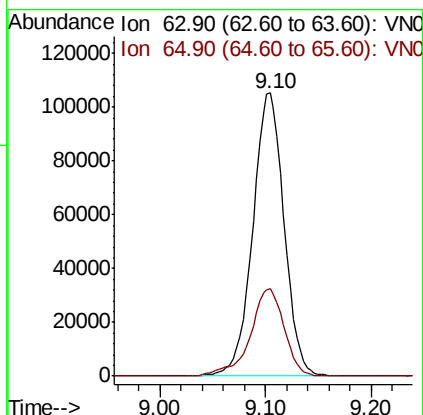
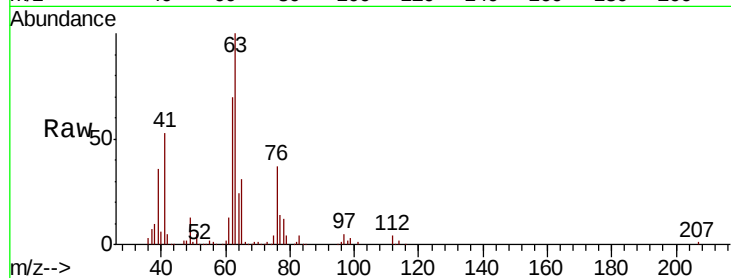




#45
 1,2-Dichloropropane
 Concen: 44.426 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

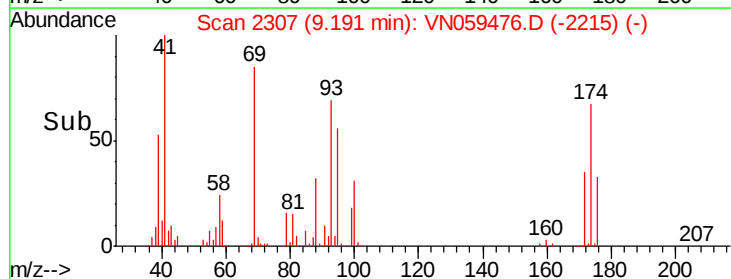
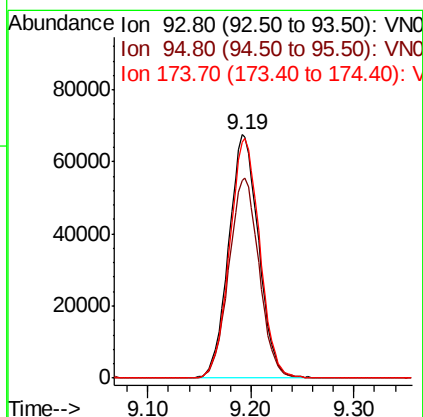
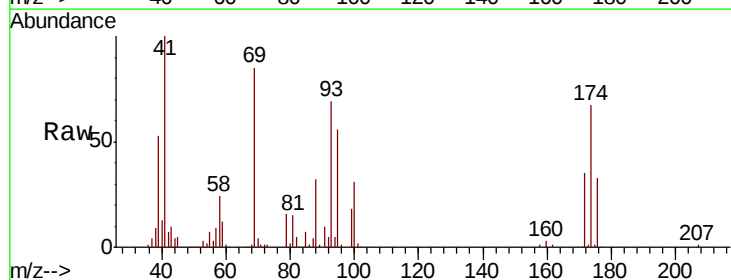
Instrument :
 MSVOA_N
 ClientSampled :

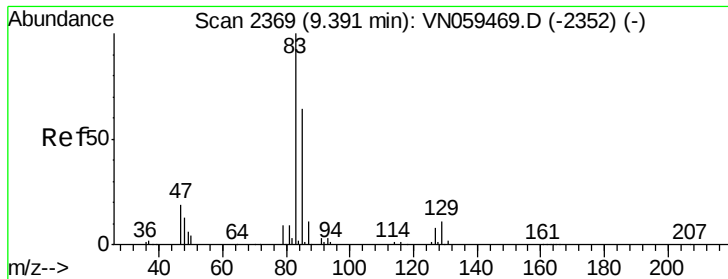
Tot Ion: 63 Resp: 217530
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6



#46
 Dibromomethane
 Concen: 44.826 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion: 93 Resp: 136653
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.0 100.6
 174 98.9 79.6 119.4





#47

Bromodichloromethane

Concen: 45.152 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

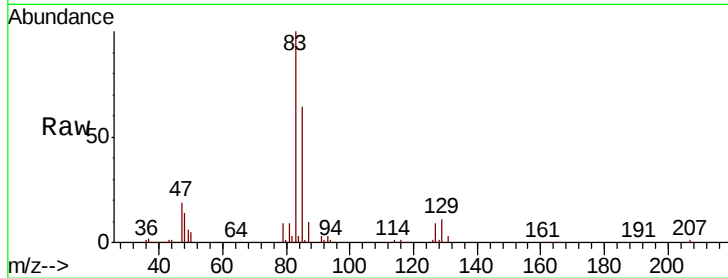
Tot Ion: 83 Resp: 275991

Ion Ratio Lower Upper

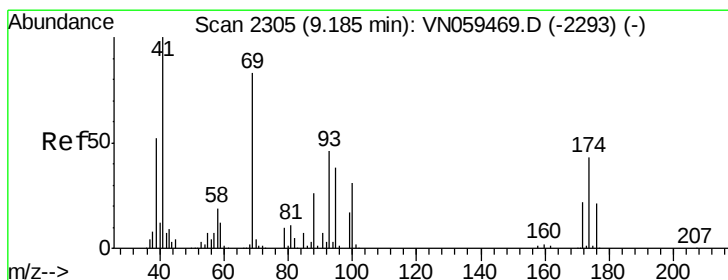
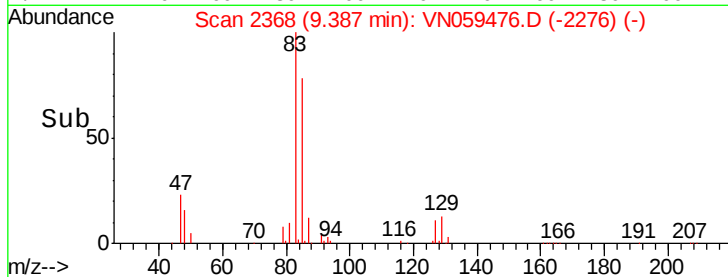
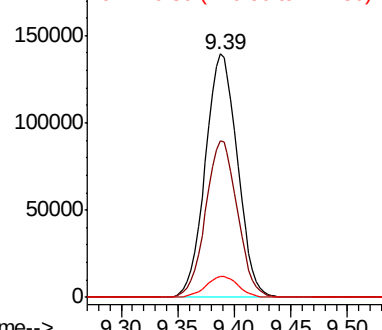
83 100

85 64.3 51.0 76.6

127 8.7 6.6 9.8



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



#48

Methyl methacrylate

Concen: 44.229 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

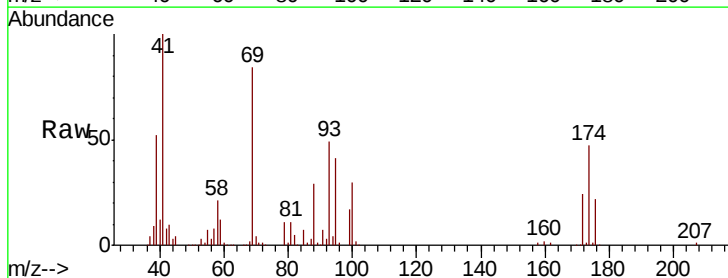
Tgt Ion: 41 Resp: 207483

Ion Ratio Lower Upper

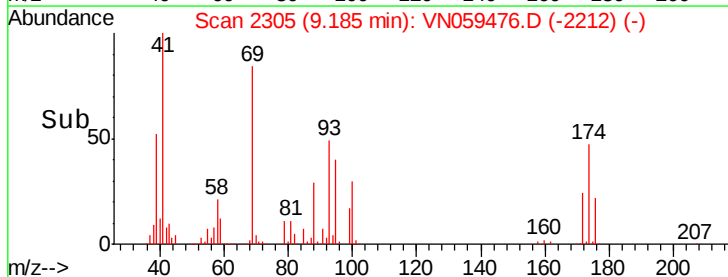
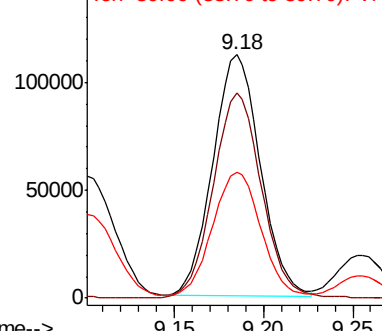
41 100

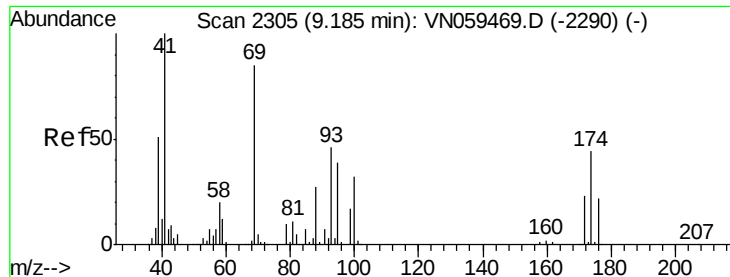
69 86.9 68.6 103.0

39 54.0 43.2 64.8



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

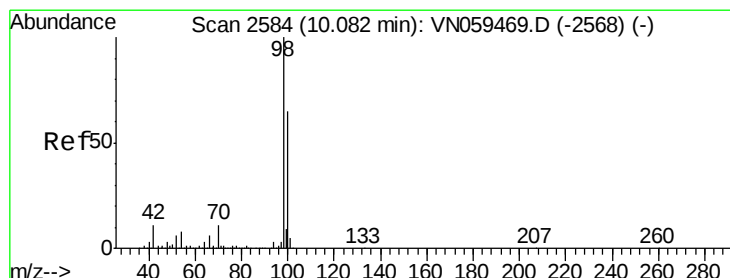
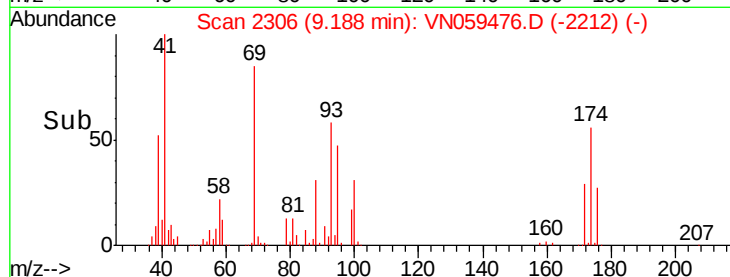
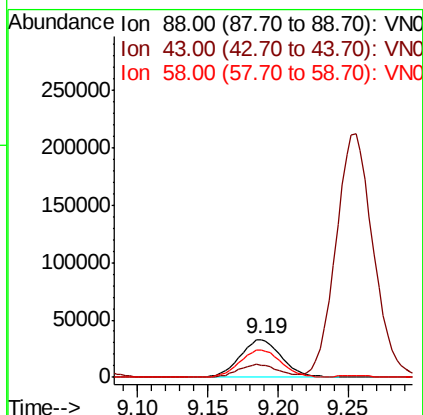
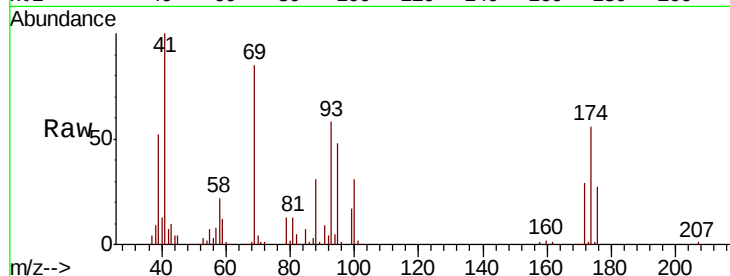




#49
1,4-Dioxane
Concen: 956.742 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

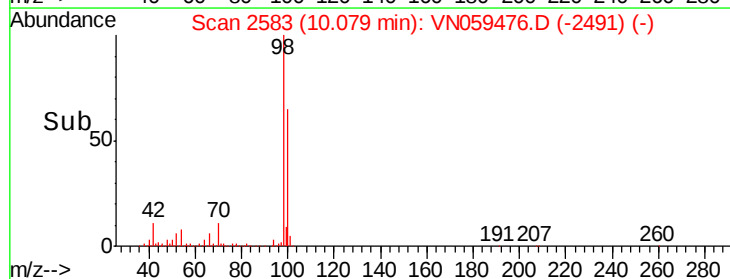
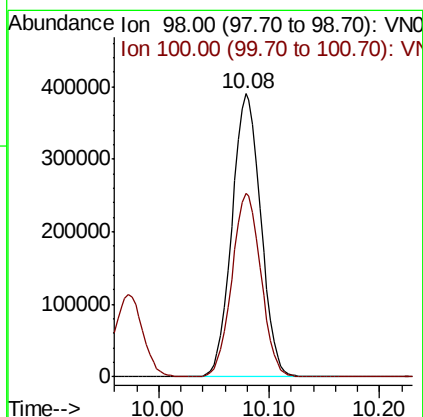
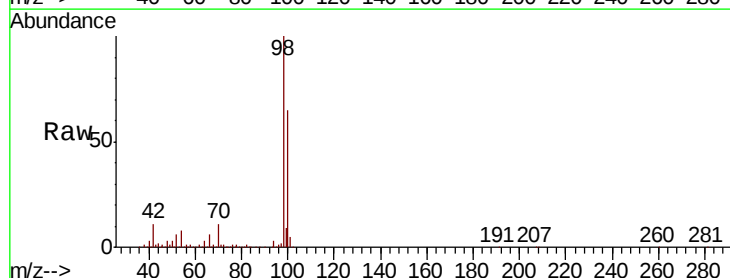
Instrument :
MSVOA_N
ClientSampleId :

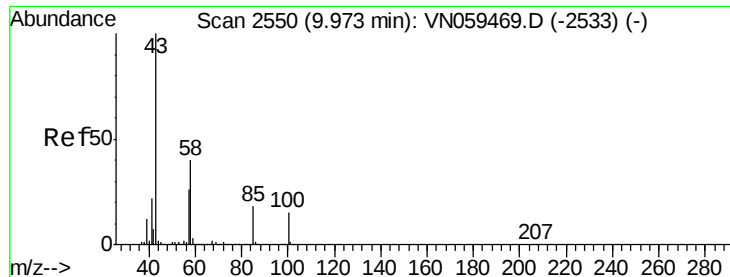
Tot Ion: 88 Resp: 67913
Ion Ratio Lower Upper
88 100
43 32.7 27.1 40.7
58 72.6 57.8 86.6



#50
Toluene-d8
Concen: 47.932 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 98 Resp: 707927
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

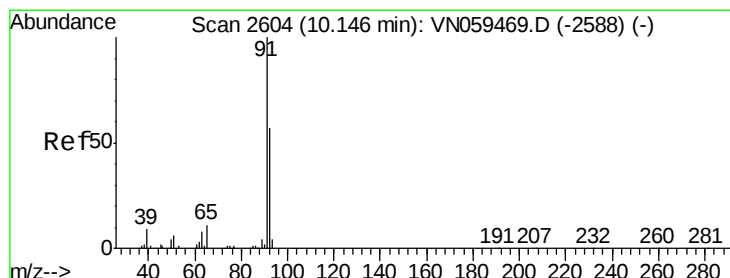
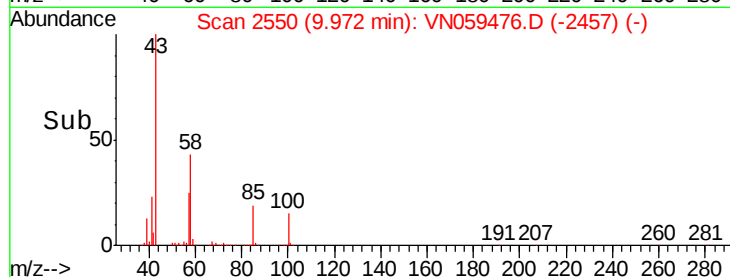
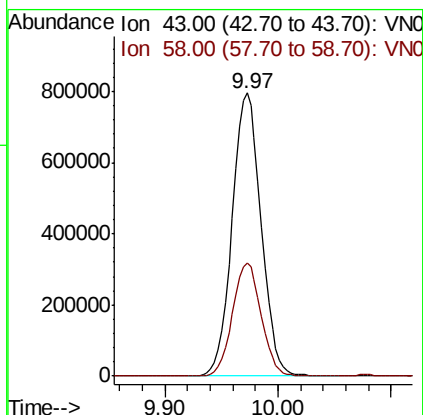
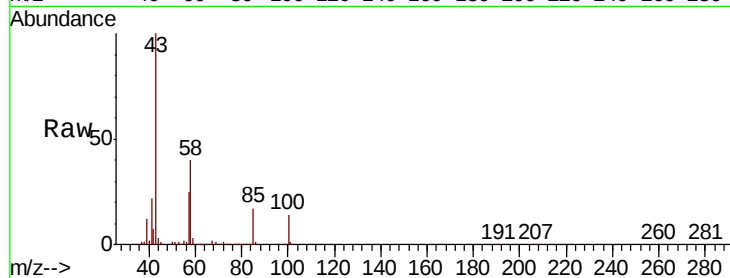




#51
4-Methyl-2-Pentanone
Concen: 229.230 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

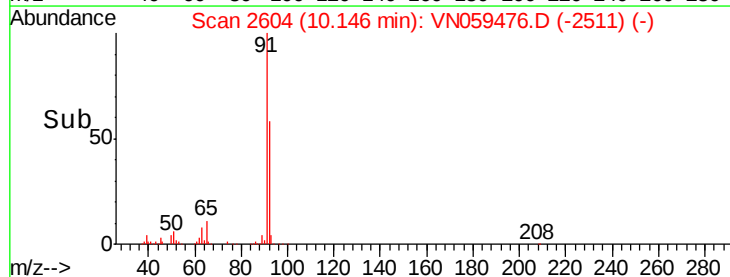
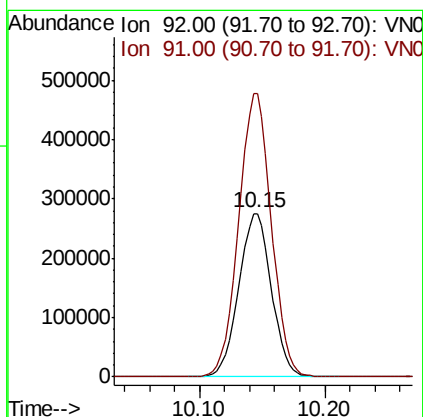
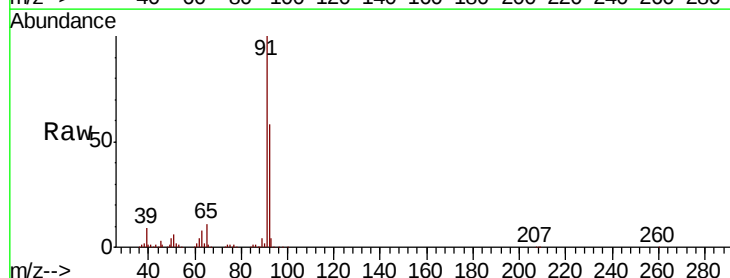
Instrument :
MSVOA_N
ClientSampled :

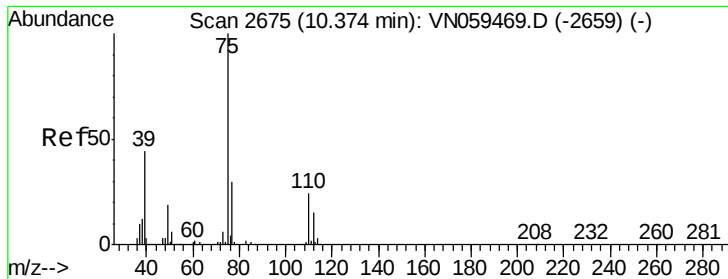
Tot Ion: 43 Resp: 1414822
Ion Ratio Lower Upper
43 100
58 39.8 32.1 48.1



#52
Toluene
Concen: 44.840 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 92 Resp: 497027
Ion Ratio Lower Upper
92 100
91 173.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 44.888 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

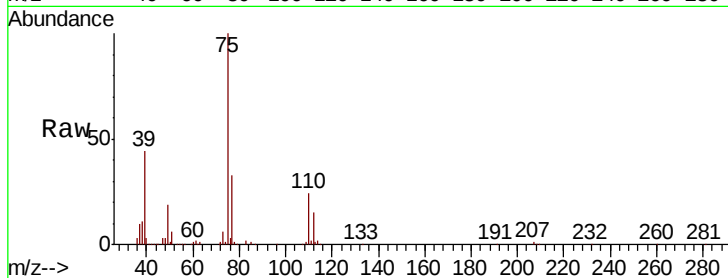
ClientSampleId :

Tot Ion: 75 Resp: 322857

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

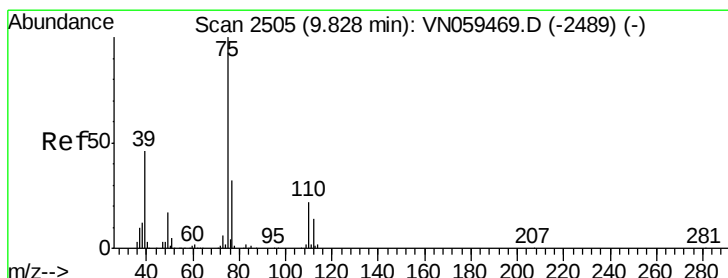
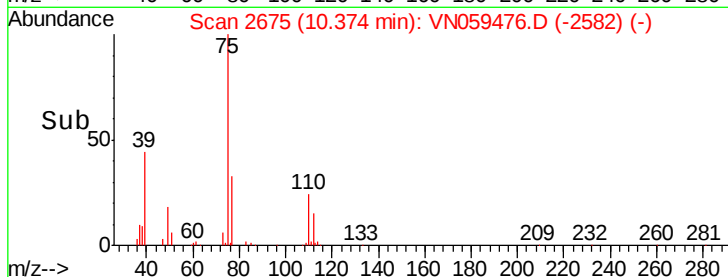
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.649 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

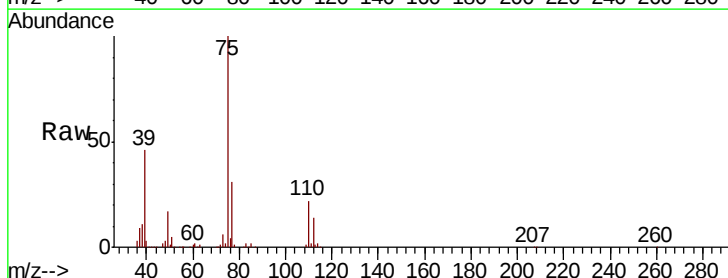
Tgt Ion: 75 Resp: 348012

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 45.8 36.6 54.8



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

250000

200000

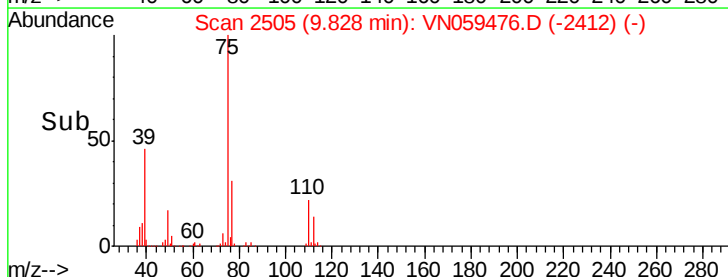
150000

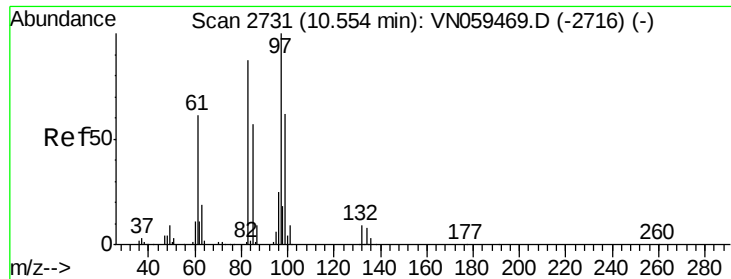
100000

50000

0

Time-->

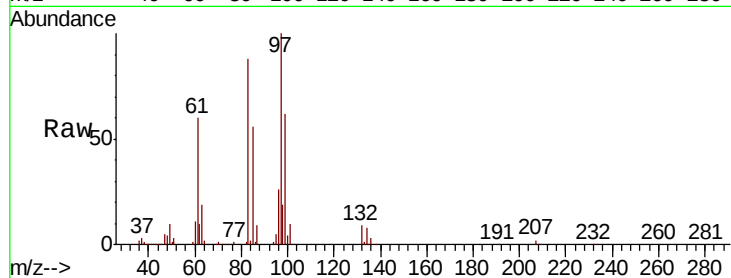




#55
 1,1,2-Trichloroethane
 Concen: 44.597 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	194870
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.8	104.8
85	55.6	45.5	68.3
99	62.1	50.0	75.0



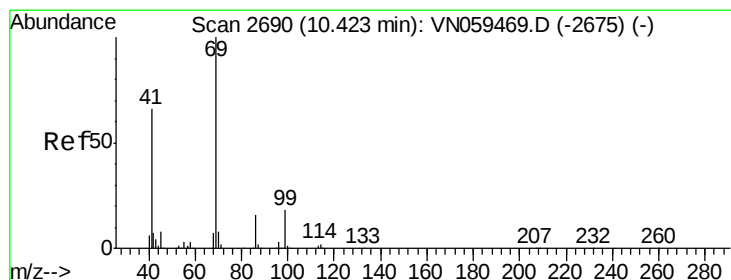
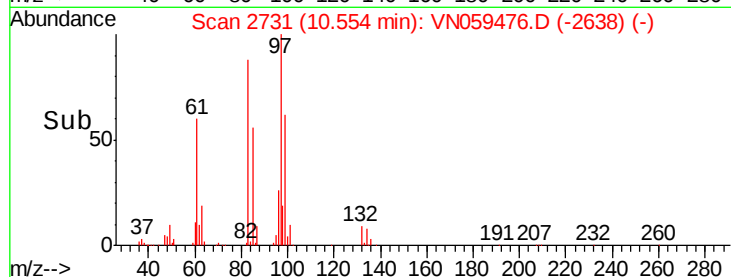
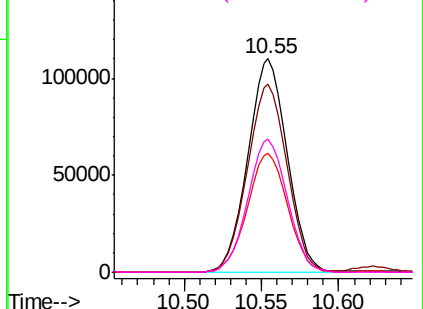
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

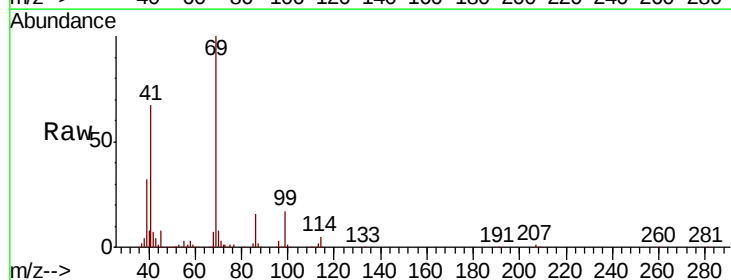
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 42.723 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	69	Resp	300694
Ion	Ratio	Lower	Upper
69	100		
41	66.5	52.7	79.1
39	32.8	25.0	37.6

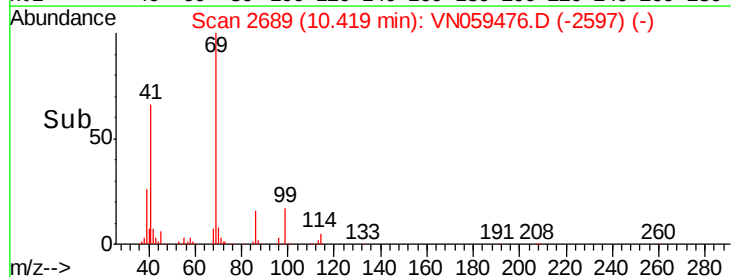
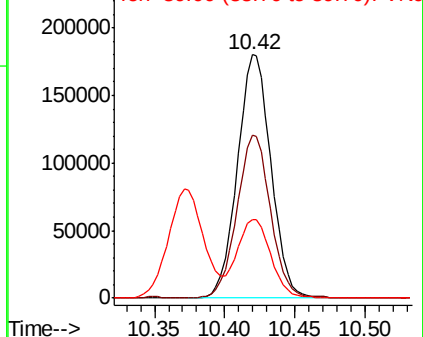


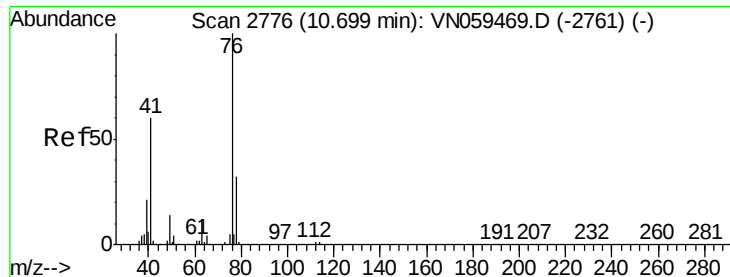
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 44.797 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

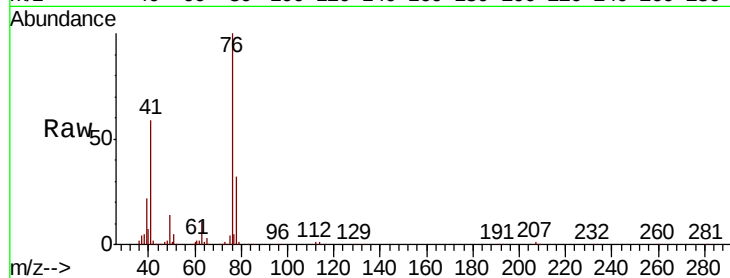
ClientSampled :

Tot Ion: 76 Resp: 338502

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

200000

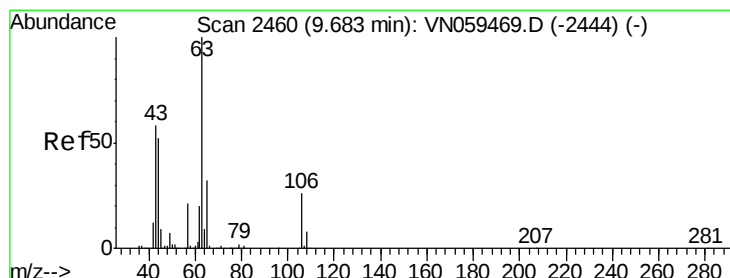
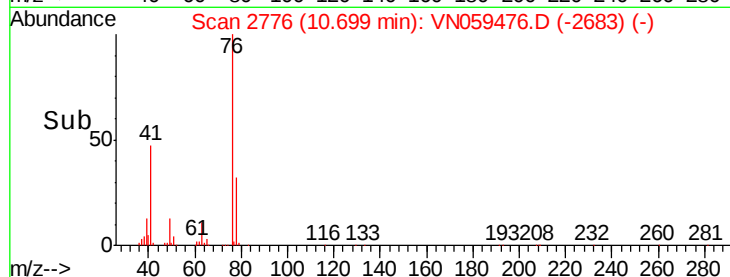
150000

100000

50000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 96.607 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059476.D

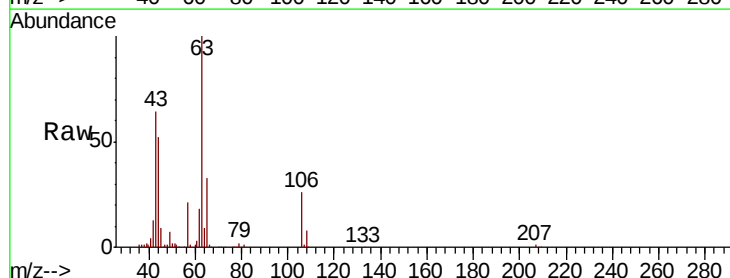
Acq: 4 Dec 2019 9:53

Tgt Ion: 63 Resp: 208105

Ion Ratio Lower Upper

63 100

106 25.6 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

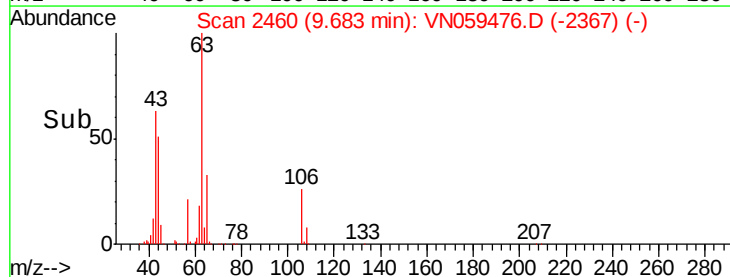
9.68

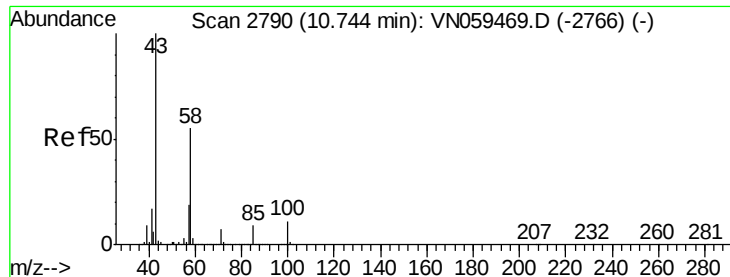
100000

50000

0

Time--> 9.60 9.70 9.80

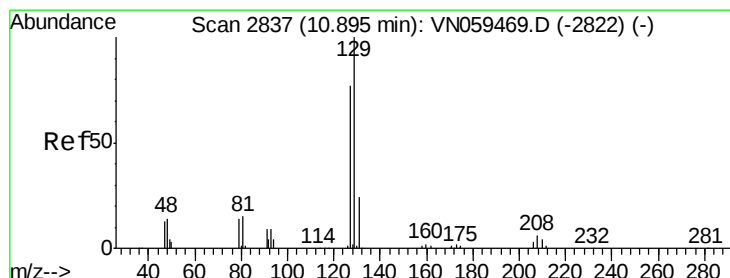
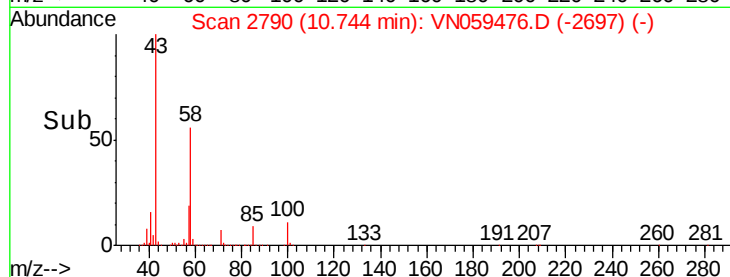
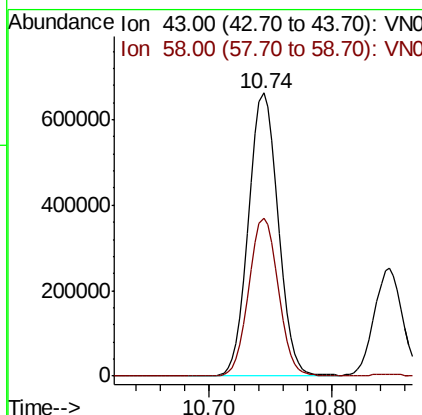
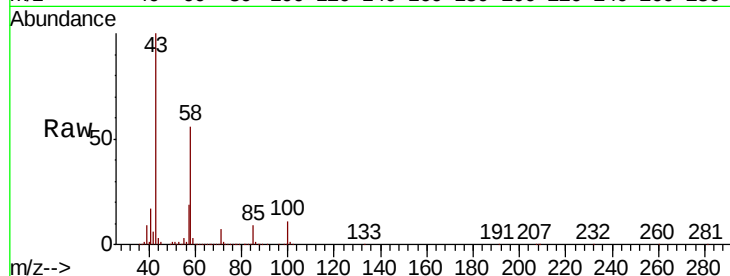




#59
2-Hexanone
Concen: 238.454 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

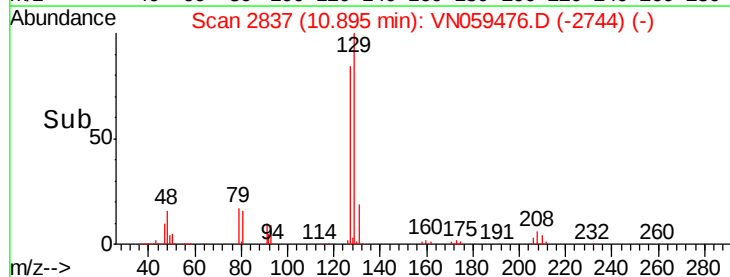
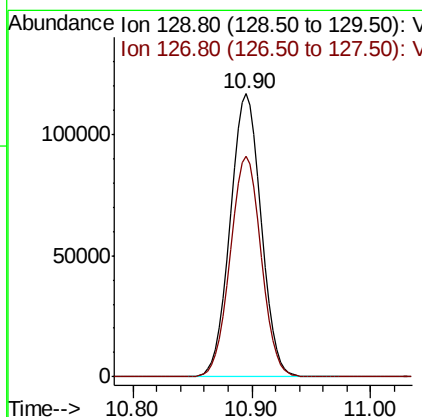
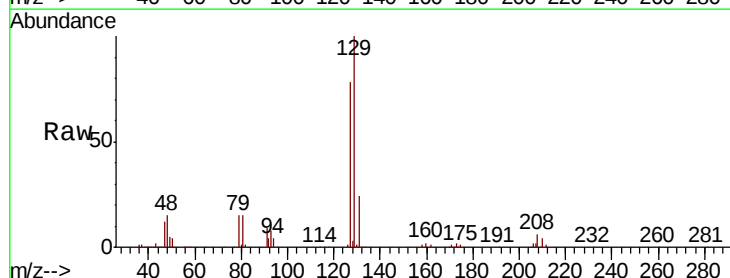
Instrument :
MSVOA_N
ClientSampled :

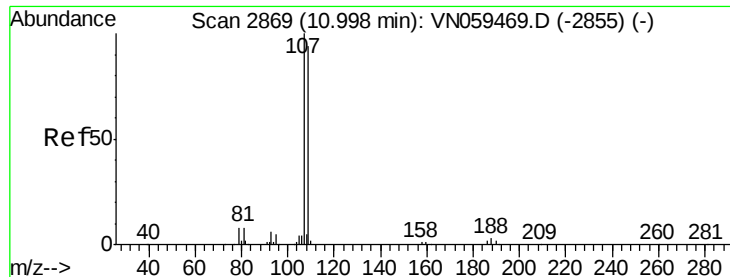
Tot Ion: 43 Resp: 1107600
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0



#60
Dibromochloromethane
Concen: 44.982 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 129 Resp: 209868
Ion Ratio Lower Upper
129 100
127 78.2 39.0 116.9

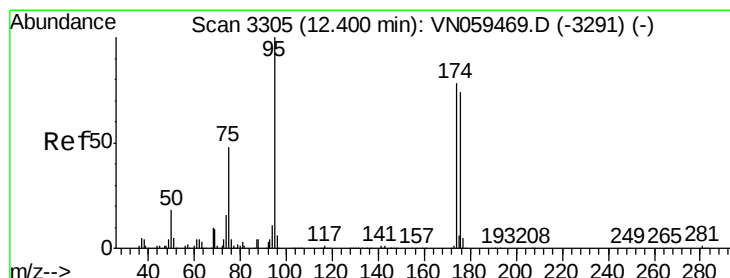
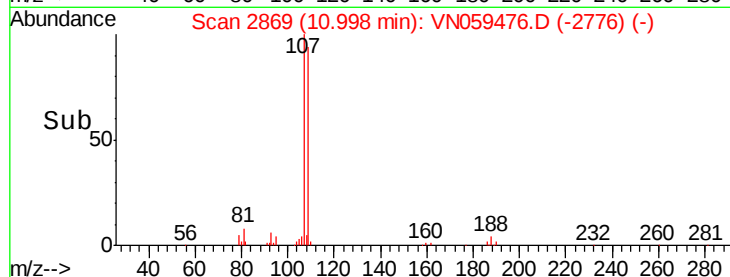
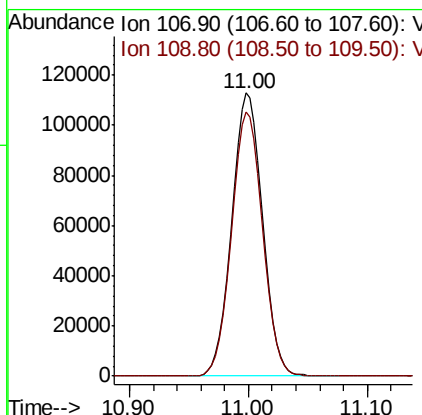
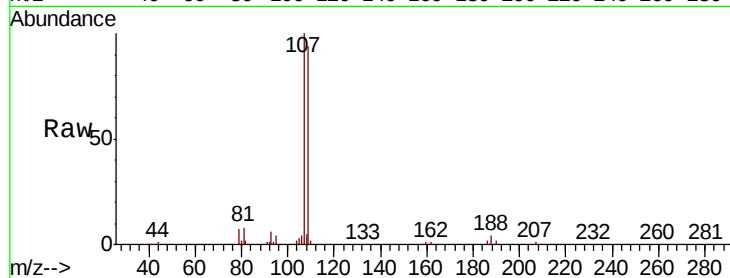




#61
 1,2-Dibromoethane
 Concen: 44.766 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

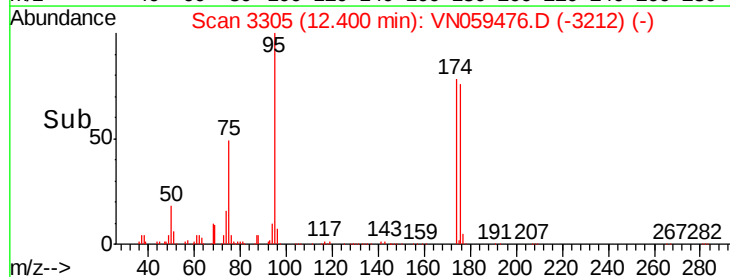
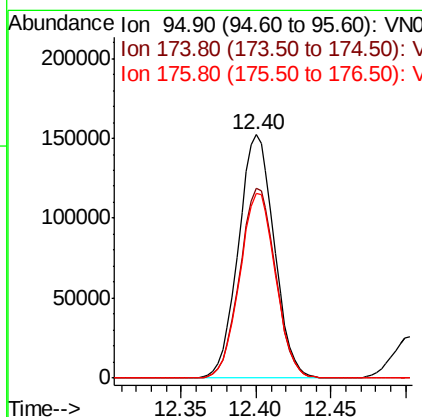
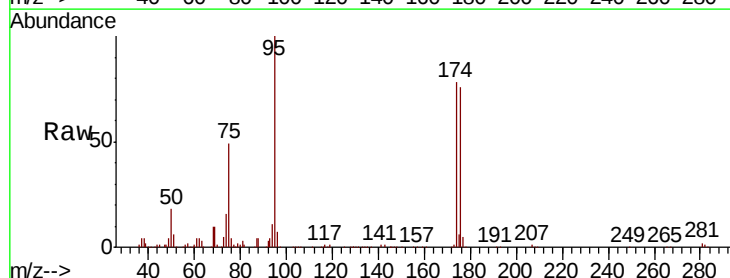
Instrument :
 MSVOA_N
 ClientSampleId :

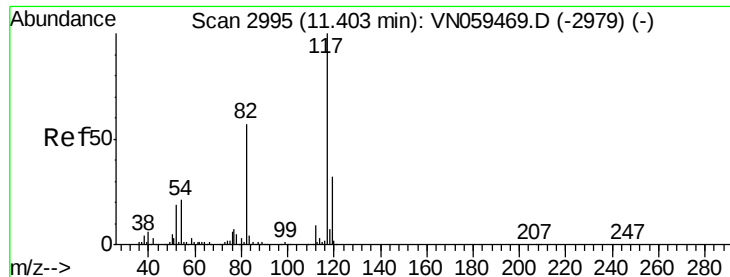
Tot Ion: 107 Resp: 202121
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.063 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion: 95 Resp: 253062
 Ion Ratio Lower Upper
 95 100
 174 78.4 0.0 157.0
 176 76.2 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

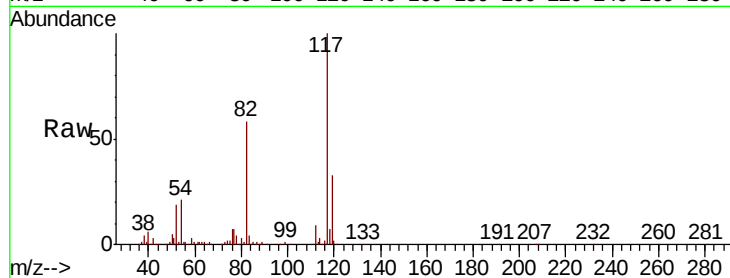
Tot Ion:117 Resp: 537955

Ion Ratio Lower Upper

117 100

82 57.6 45.8 68.8

119 32.7 25.4 38.0

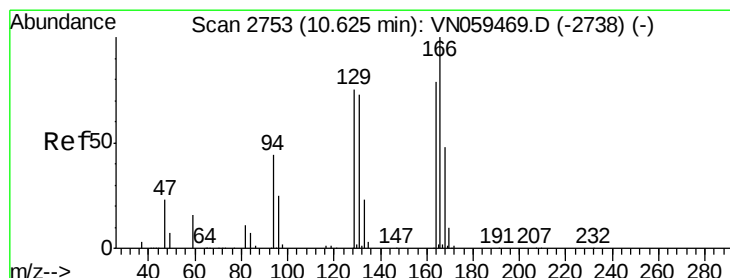
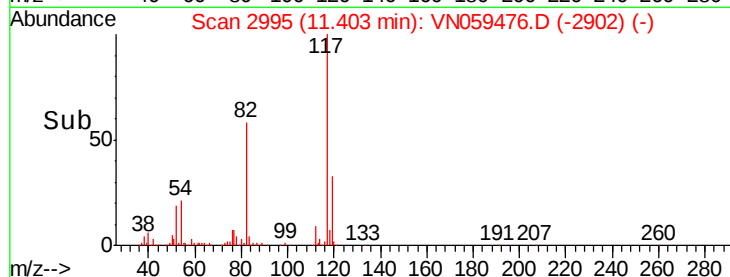
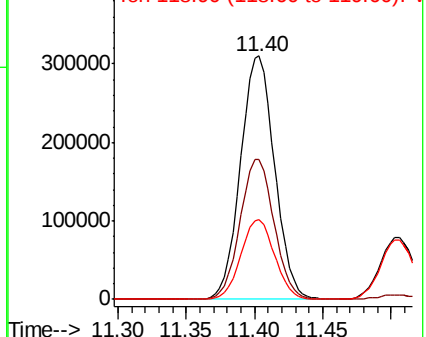


Abundance

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: 42.486 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Tgt Ion:164 Resp: 194415

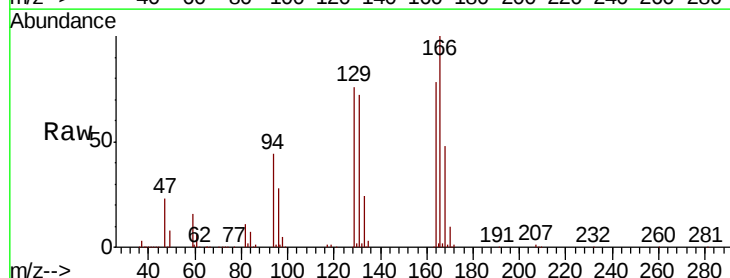
Ion Ratio Lower Upper

164 100

166 127.8 101.2 151.8

129 96.5 76.1 114.1

131 91.4 73.7 110.5



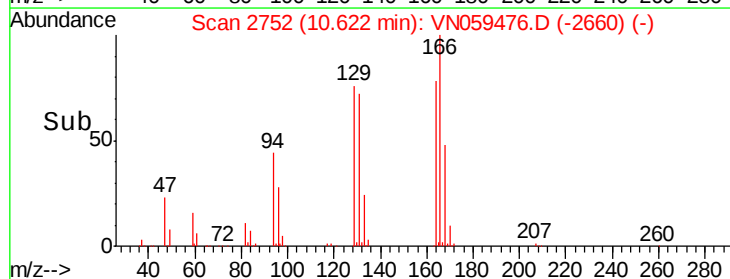
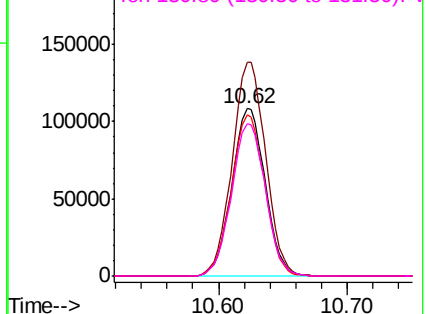
Abundance

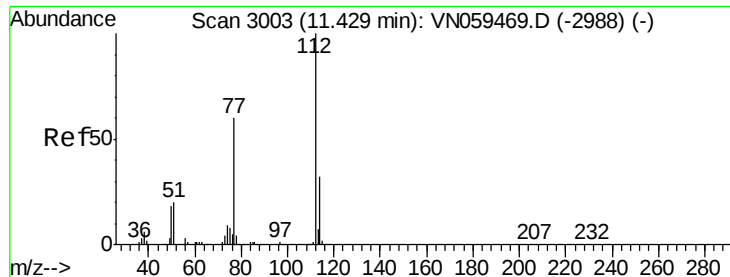
Ion 163.80 (163.50 to 164.50): V

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

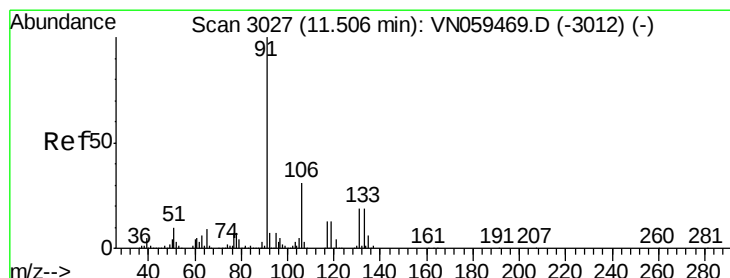
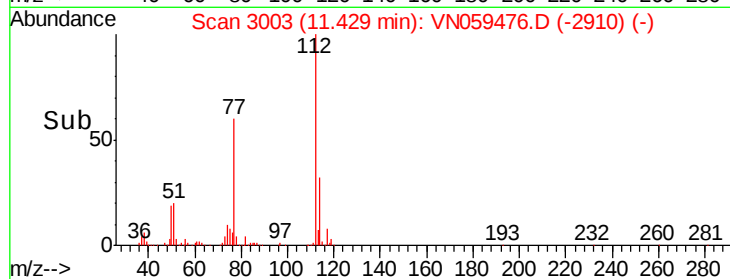
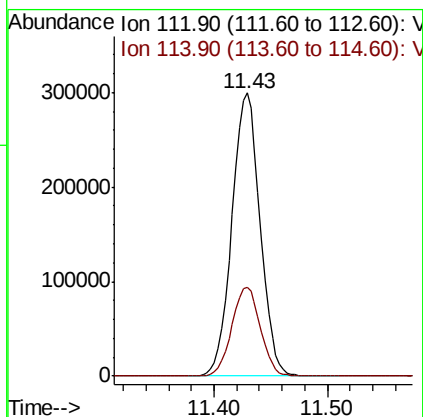
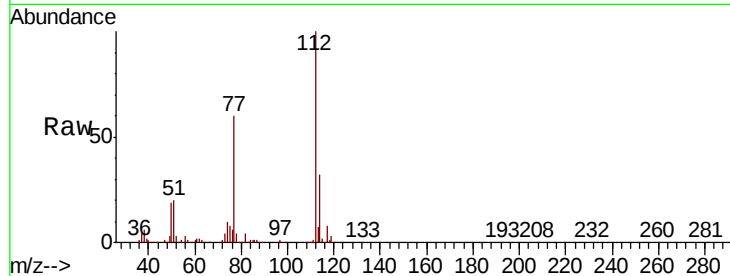




#65
Chlorobenzene
Concen: 43.984 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

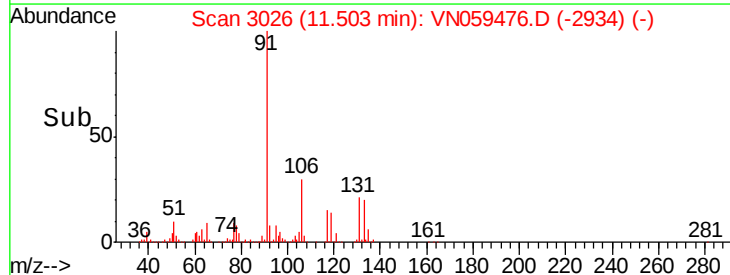
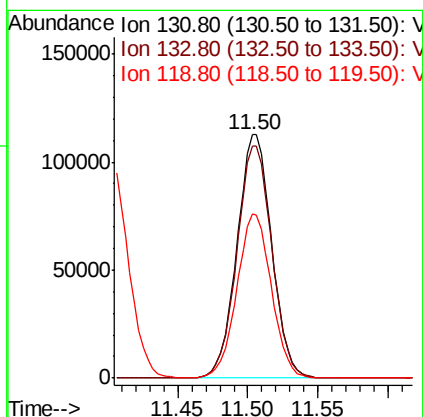
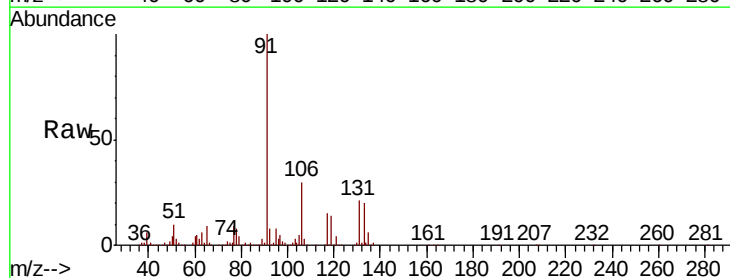
Instrument :
MSVOA_N
ClientSampleId :

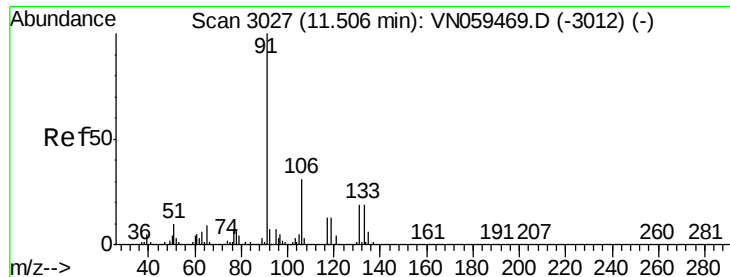
Tot Ion:112 Resp: 517271
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 46.010 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion:131 Resp: 194427
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 67.2 33.9 101.6





#67

Ethyl Benzene

Concen: 46.115 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

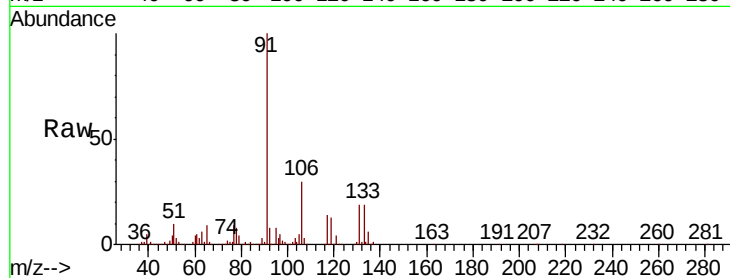
ClientSampled :

Tot Ion: 91 Resp: 950188

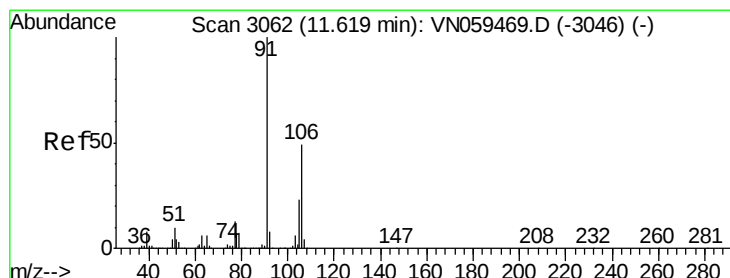
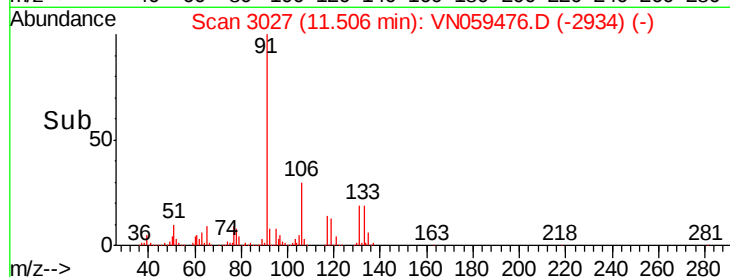
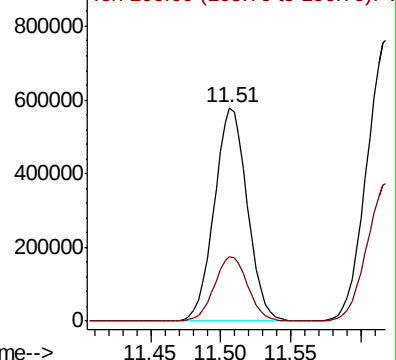
Ion Ratio Lower Upper

91 100

106 30.4 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN059476.D (-2934) (-)



#68

m/p-Xylenes

Concen: 92.238 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059476.D

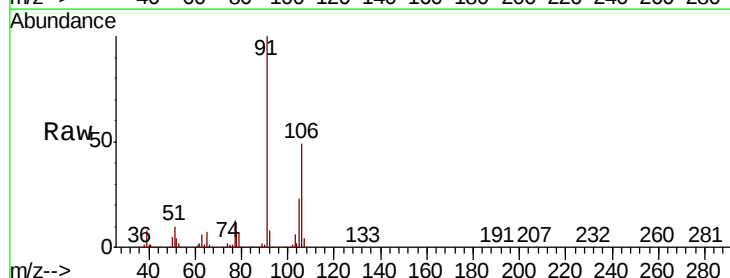
Acq: 4 Dec 2019 9:53

Tgt Ion: 106 Resp: 707668

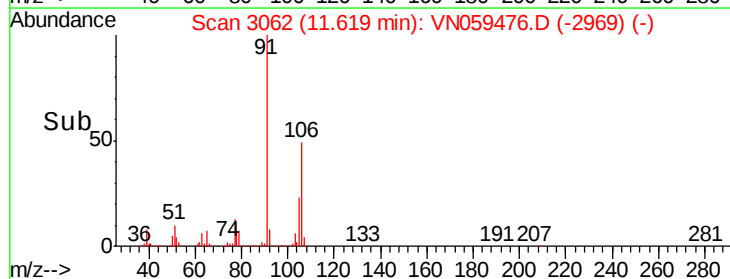
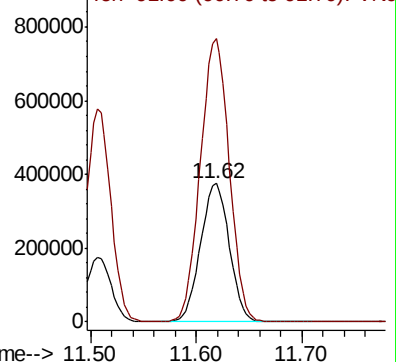
Ion Ratio Lower Upper

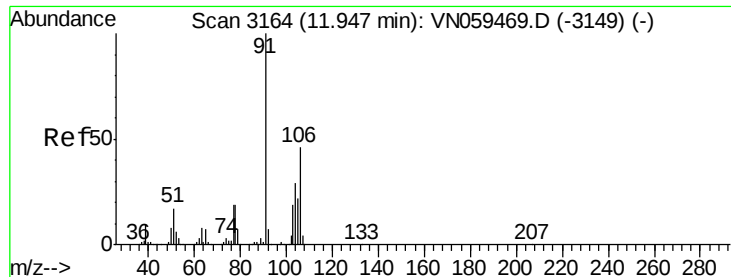
106 100

91 205.6 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN059476.D (-2969) (-)

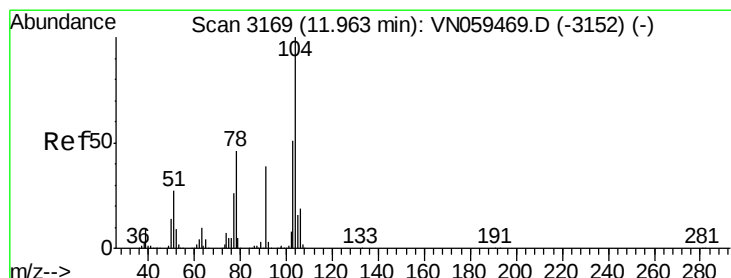
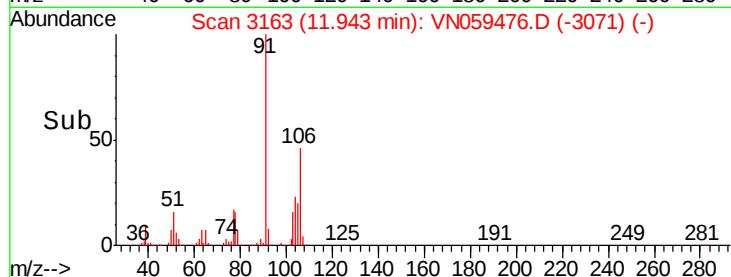
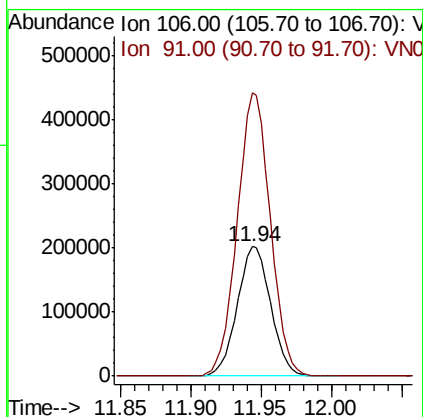
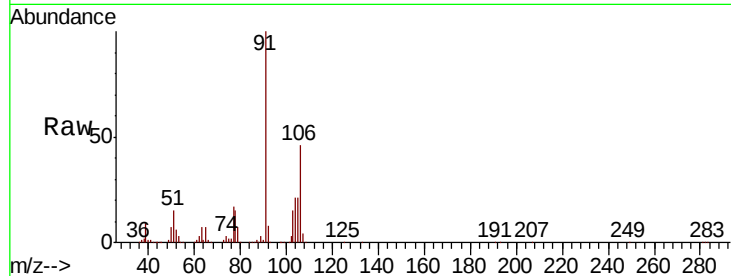




#69
o-Xylene
Concen: 46.023 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

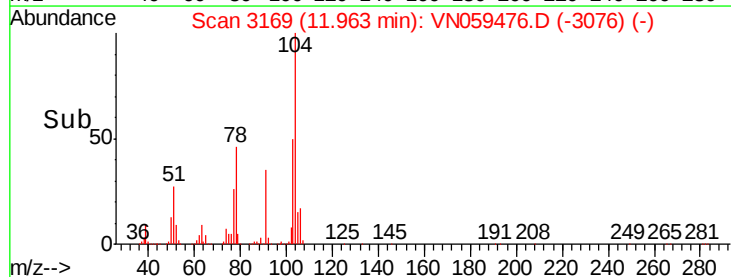
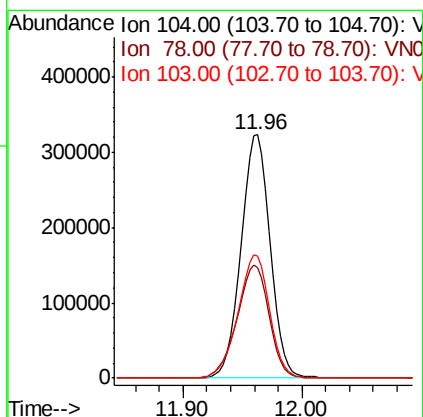
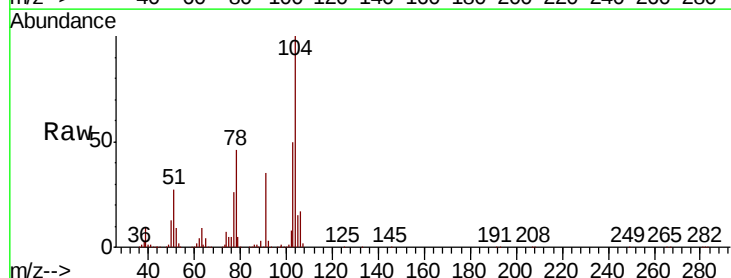
Instrument :
MSVOA_N
ClientSampleId :

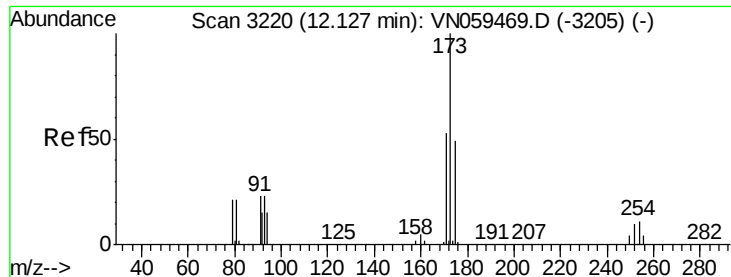
Tot Ion:106 Resp: 336163
Ion Ratio Lower Upper
106 100
91 216.7 108.5 325.3



#70
Styrene
Concen: 47.100 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion:104 Resp: 549195
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 54.6 44.7 67.1





#71

Bromoform

Concen: 45.686 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

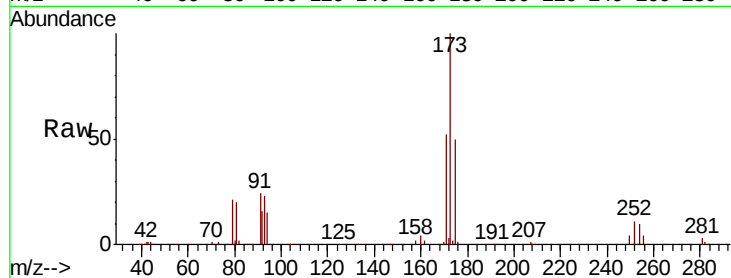
Tot Ion:173 Resp: 150481

Ion Ratio Lower Upper

173 100

175 49.8 24.3 73.0

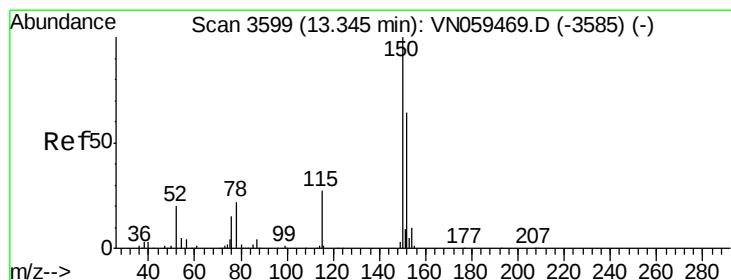
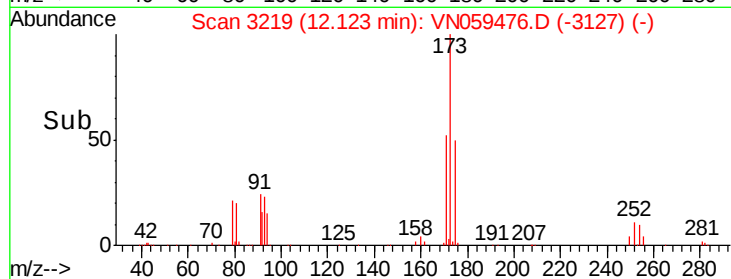
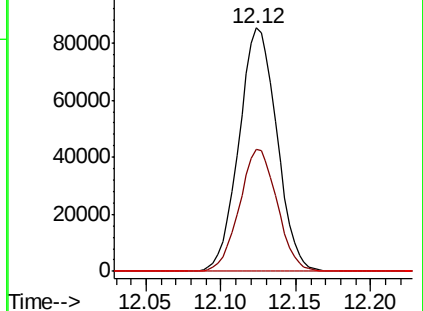
254 0.0 0.0 0.0



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: VN059476.D

Acq: 4 Dec 2019 9:53

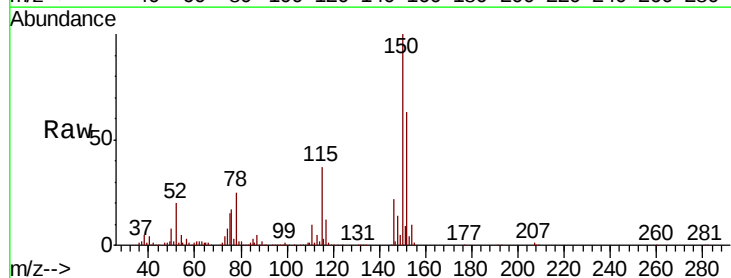
Tgt Ion:152 Resp: 255093

Ion Ratio Lower Upper

152 100

115 60.0 29.2 87.6

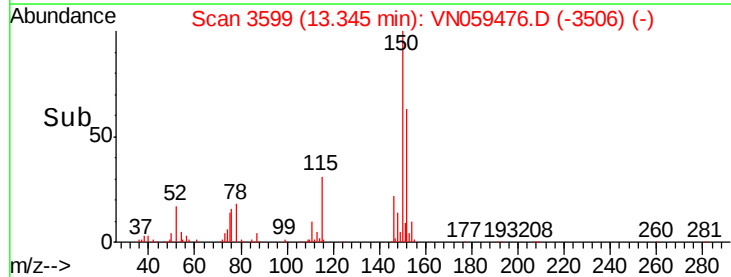
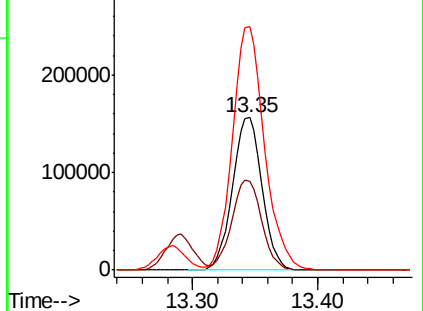
150 172.9 0.0 352.8

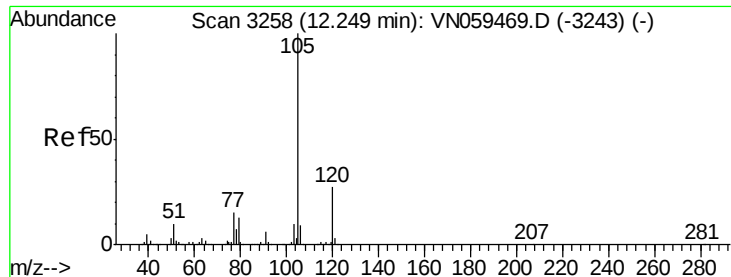


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.296 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

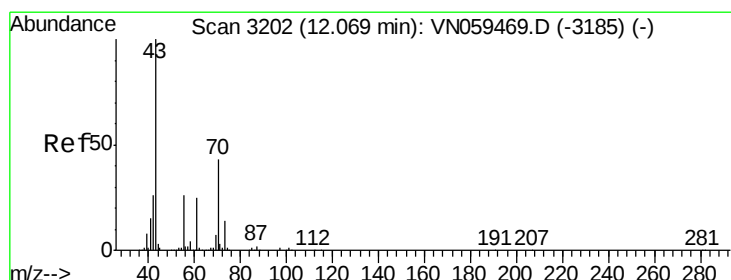
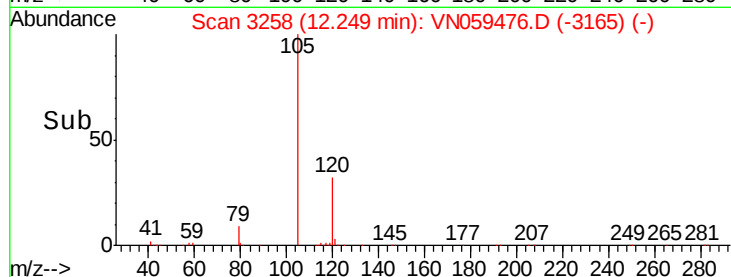
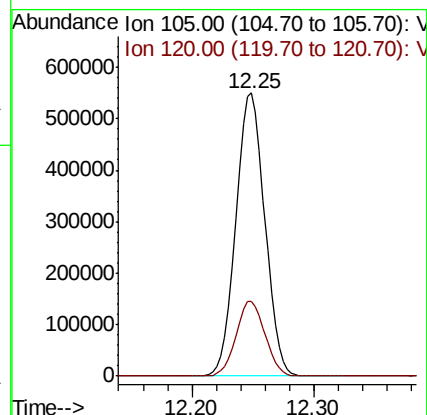
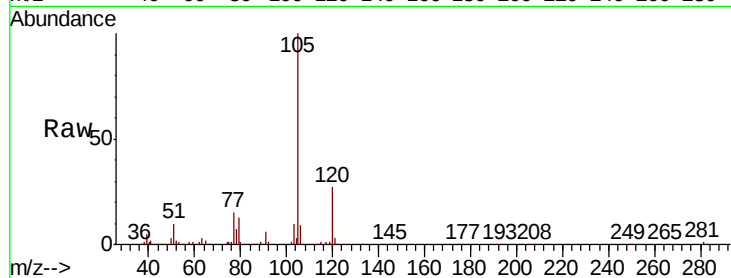
ClientSampled :

Tot Ion: 105 Resp: 906184

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#74

N-ethyl acetate

Concen: 44.841 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Tgt Ion: 43 Resp: 369498

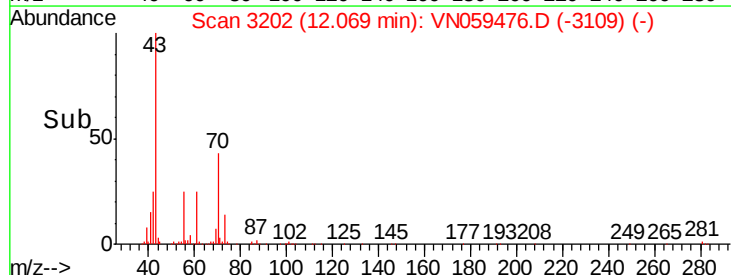
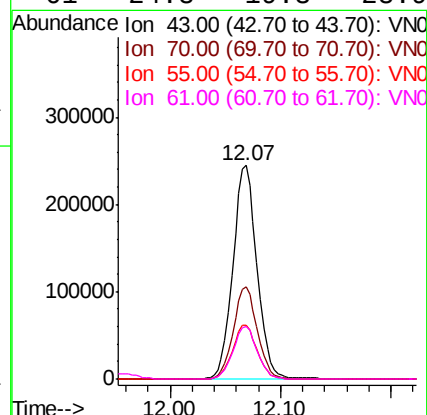
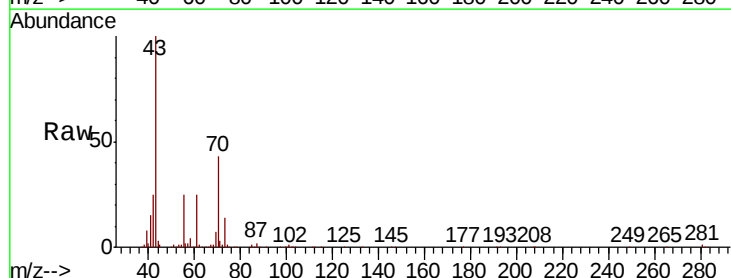
Ion Ratio Lower Upper

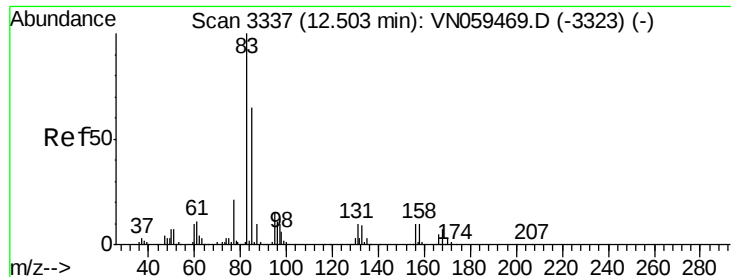
43 100

70 42.9 34.2 51.2

55 25.7 20.6 31.0

61 24.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 43.717 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

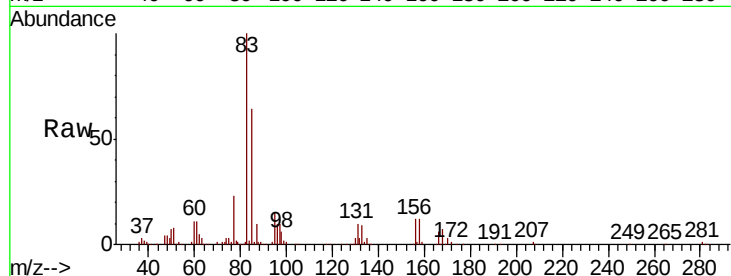
Tot Ion: 83 Resp: 286877

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.2	32.2	96.6

83 100

131 9.8 4.9 14.7

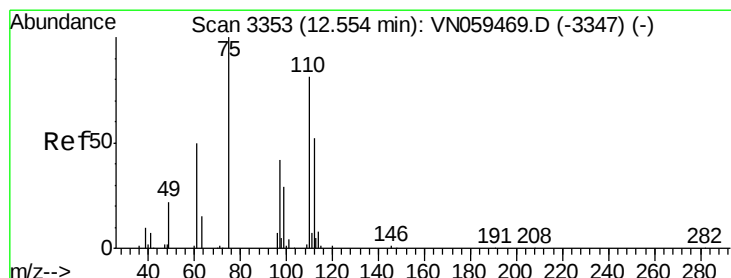
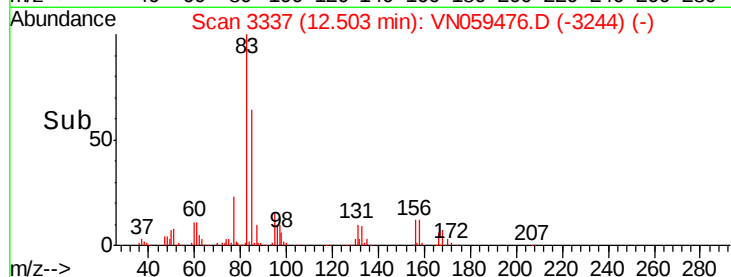
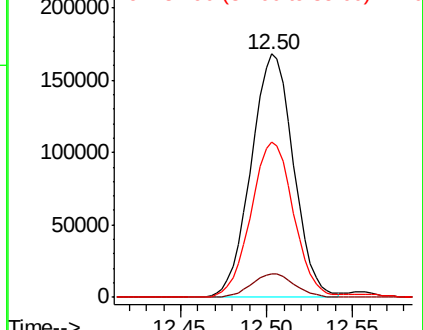
85 64.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 61.453 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059476.D

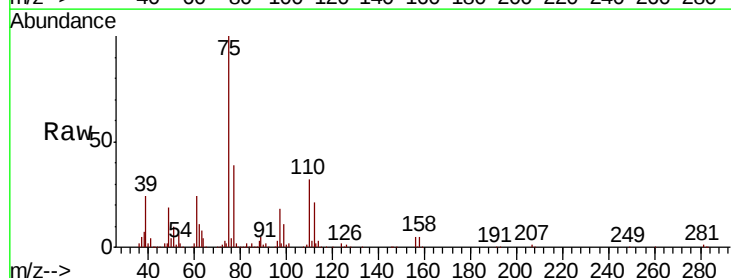
Acq: 4 Dec 2019 9:53

Tgt Ion: 75 Resp: 389776

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

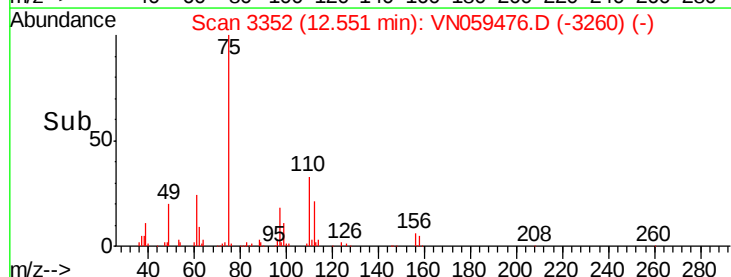
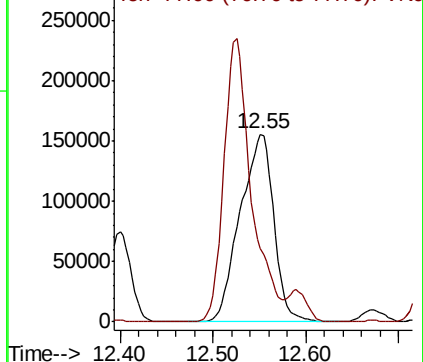
75 100

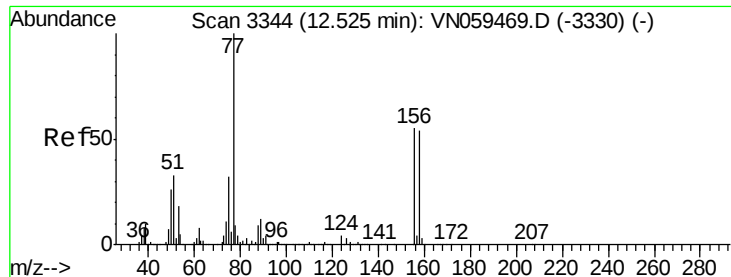
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 42.396 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampled :

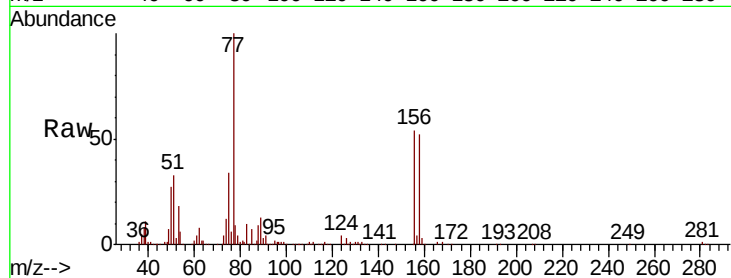
Tot Ion:156 Resp: 216740

Ion Ratio Lower Upper

156 100

77 223.5 110.3 331.0

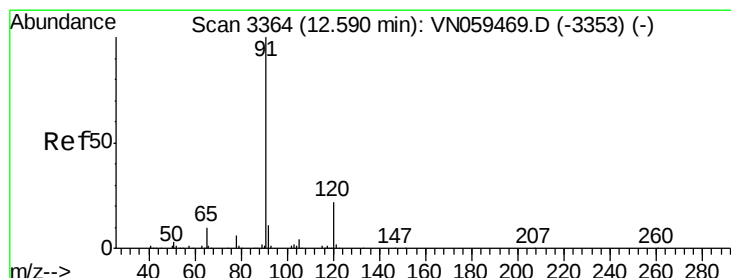
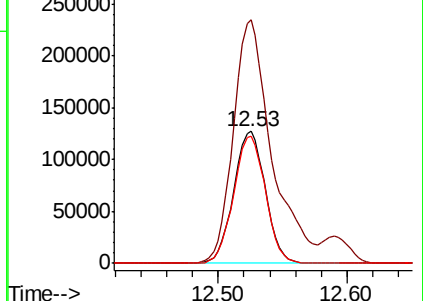
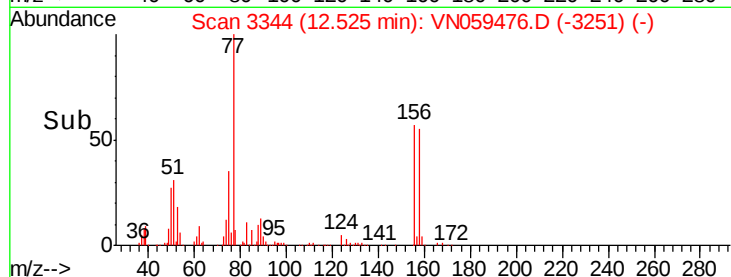
158 96.5 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.045 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059476.D

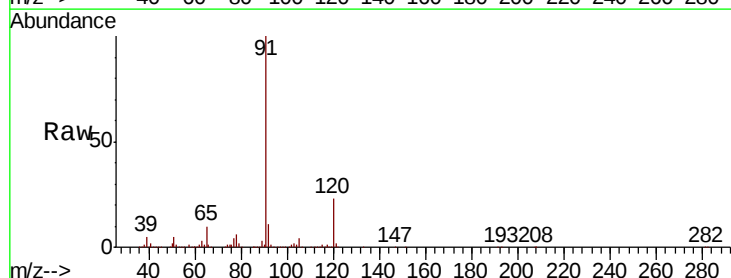
Acq: 4 Dec 2019 9:53

Tgt Ion: 91 Resp: 1072394

Ion Ratio Lower Upper

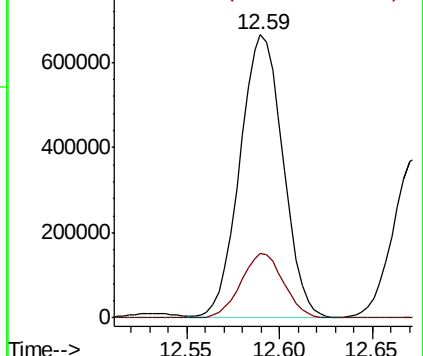
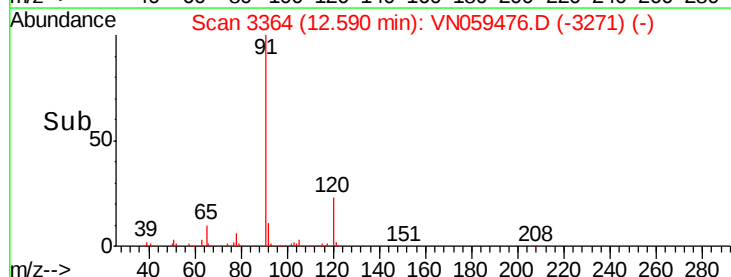
91 100

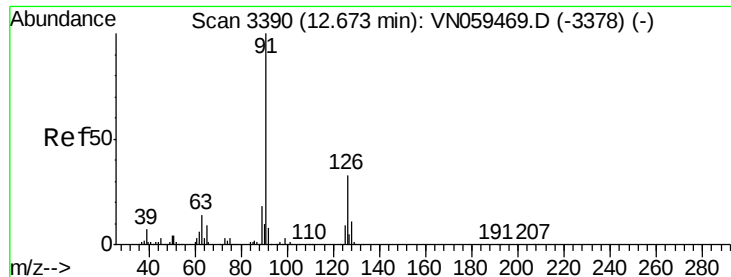
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.656 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

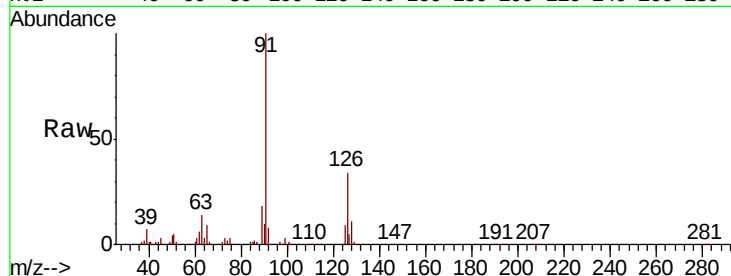
ClientSampleId :

Tot Ion: 91 Resp: 626528

Ion Ratio Lower Upper

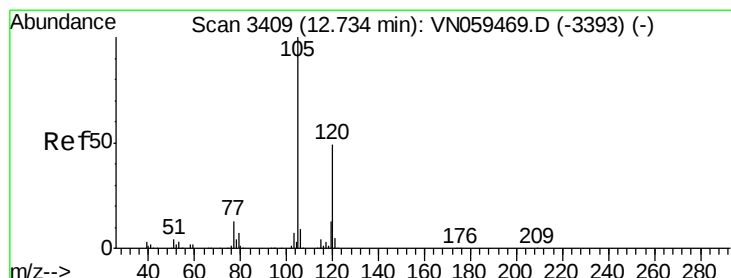
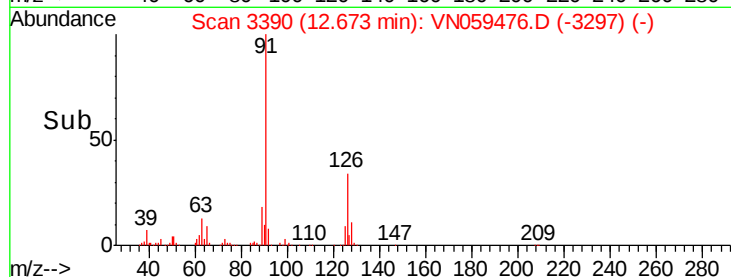
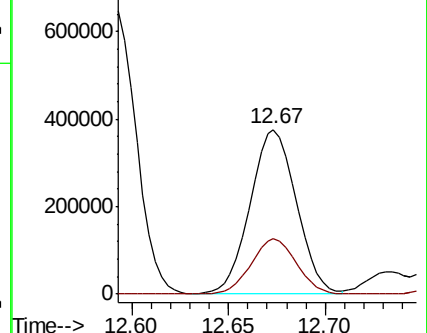
91 100

126 33.2 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN059476.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059476.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.087 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059476.D

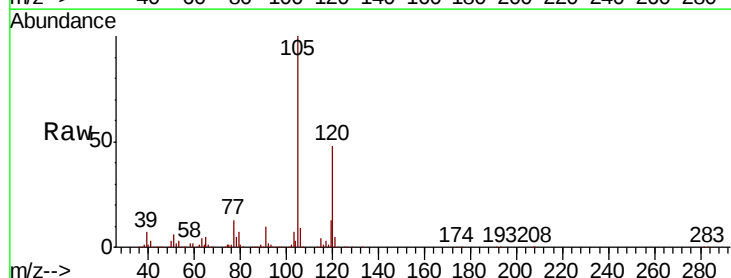
Acq: 4 Dec 2019 9:53

Tgt Ion: 105 Resp: 770820

Ion Ratio Lower Upper

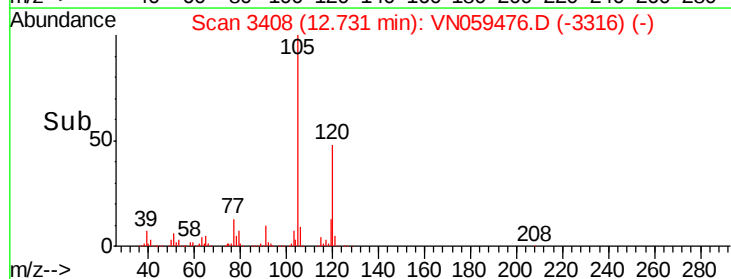
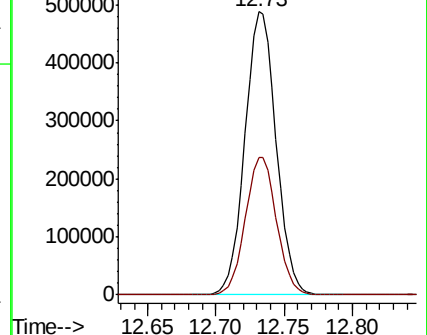
105 100

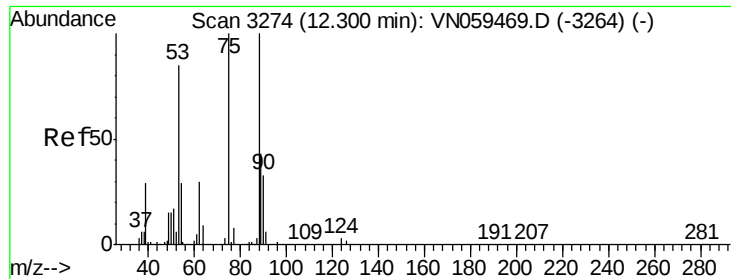
120 48.6 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN059476.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN059476.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.529 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampled :

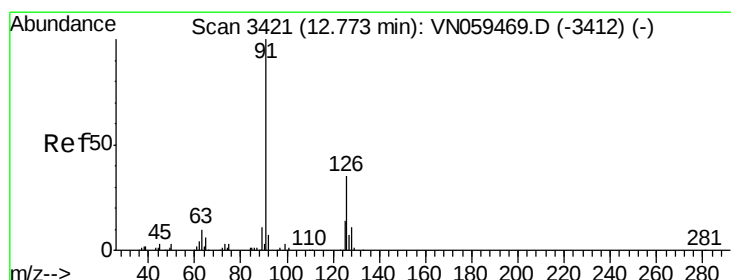
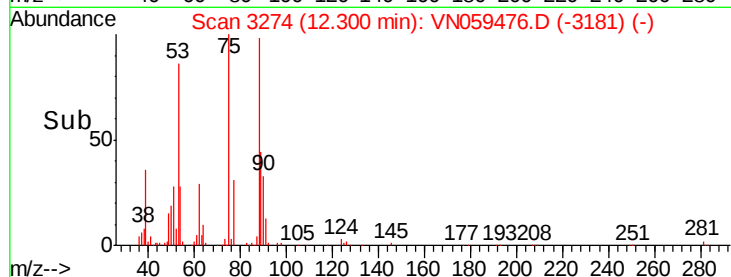
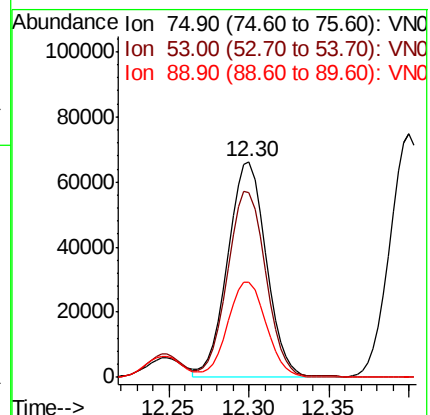
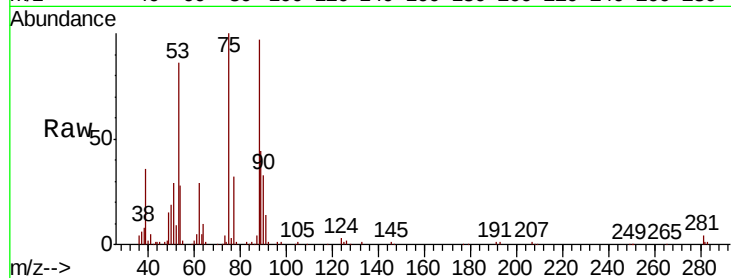
Tot Ion: 75 Resp: 107620

Ion Ratio Lower Upper

75 100

53 87.3 69.8 104.6

89 44.8 35.2 52.8



#82

4-Chlorotoluene

Concen: 43.485 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059476.D

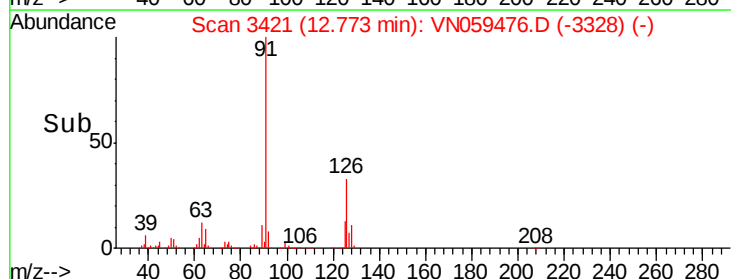
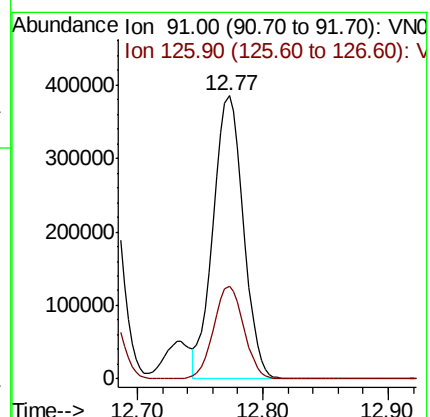
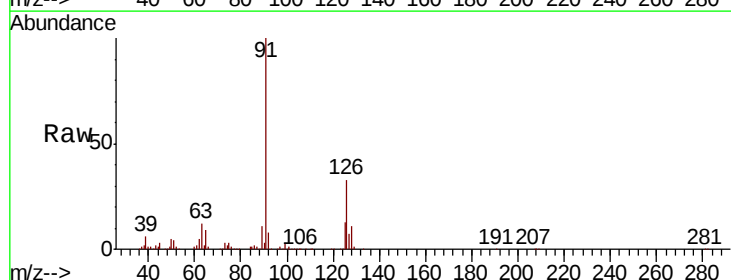
Acq: 4 Dec 2019 9:53

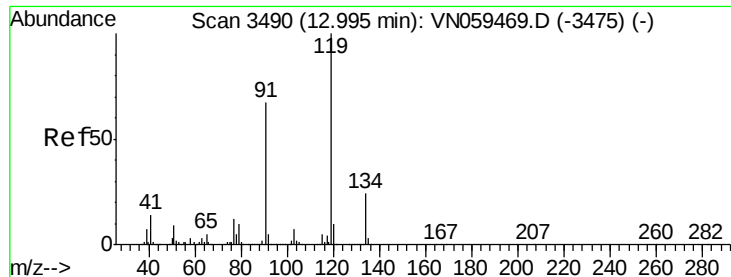
Tgt Ion: 91 Resp: 643878

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.2

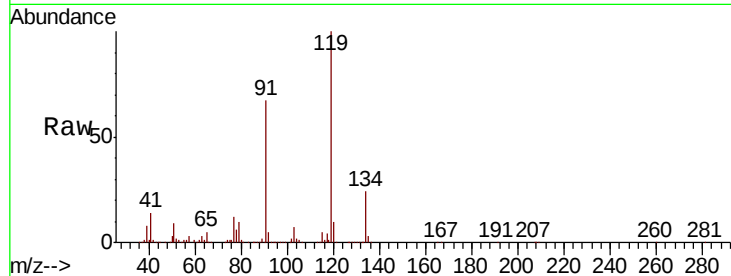




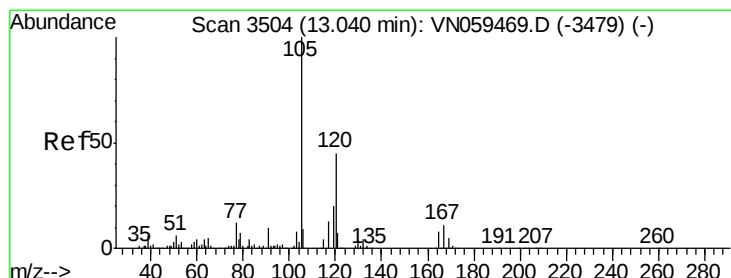
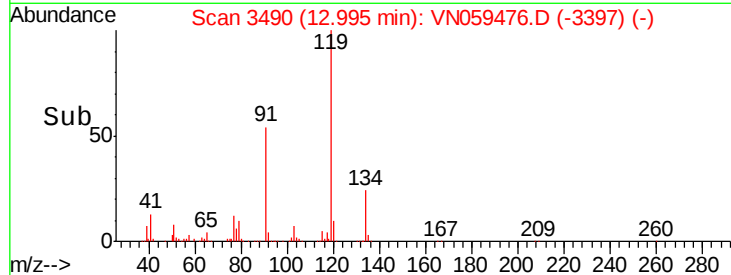
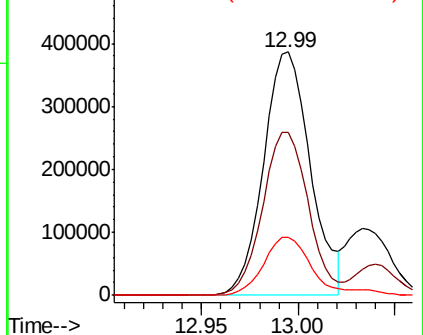
#83
tert-Butylbenzene
Concen: 43.867 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 651104
Ion Ratio Lower Upper
119 100
91 65.2 32.6 97.7
134 25.3 12.6 37.6

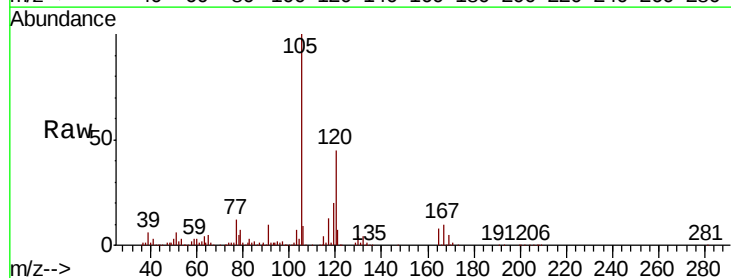


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

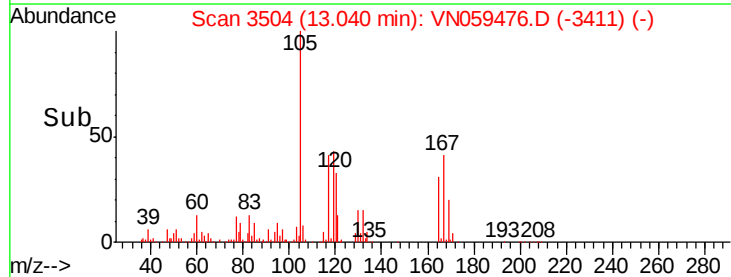
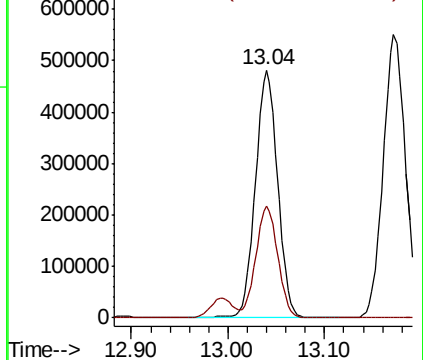


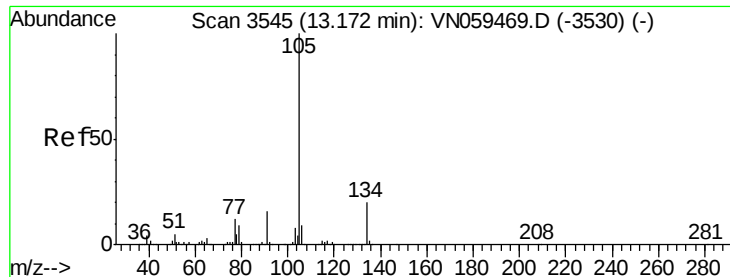
#84
1,2,4-Trimethylbenzene
Concen: 45.990 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion:105 Resp: 768402
Ion Ratio Lower Upper
105 100
120 44.8 22.6 67.8



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

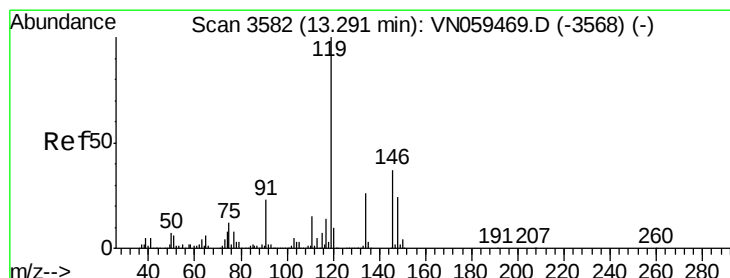
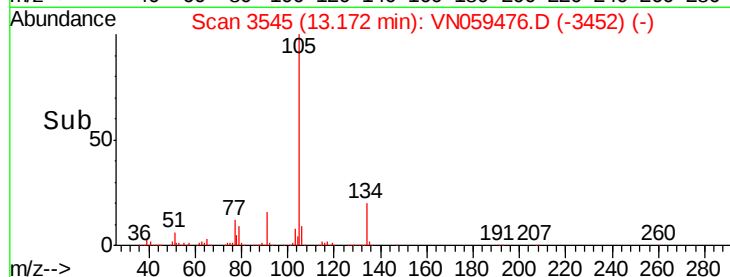
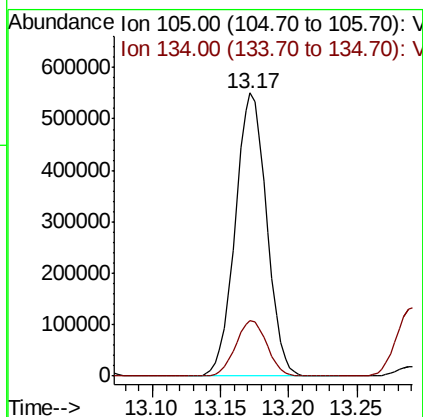
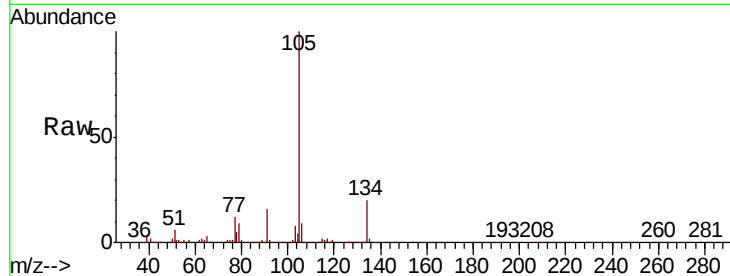




#85
 sec-Butylbenzene
 Concen: 44.507 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

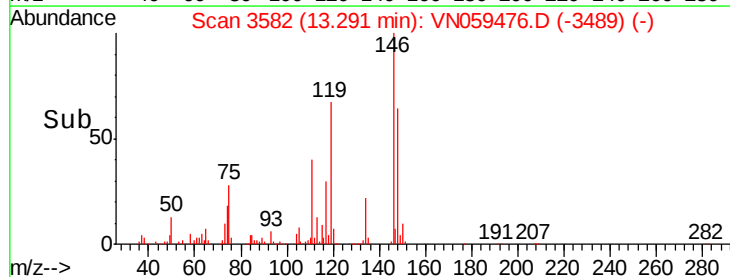
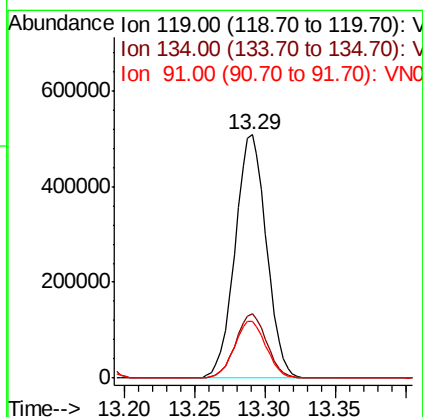
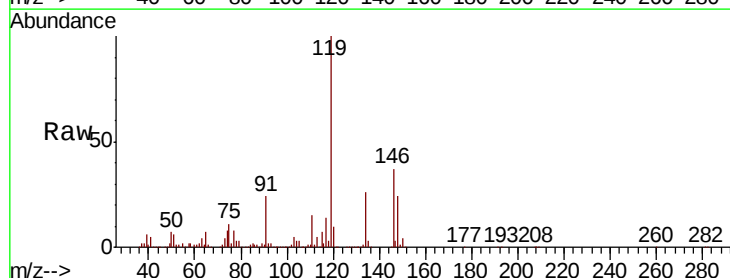
Instrument :
 MSVOA_N
 ClientSampled :

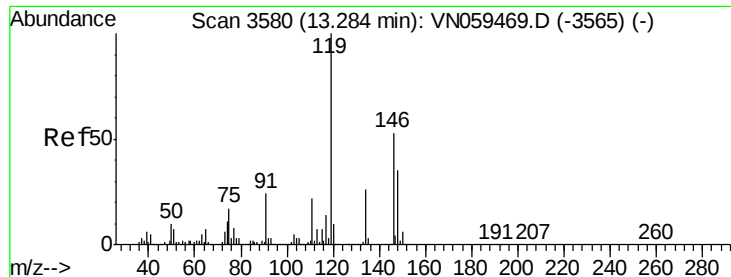
Tot Ion:105 Resp: 875532
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 44.749 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion:119 Resp: 788841
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 23.6 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 43.407 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

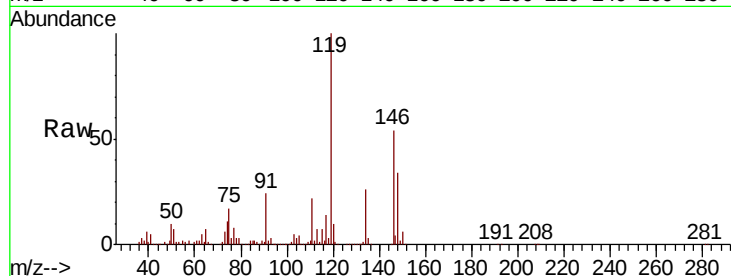
Tot Ion:146 Resp: 391250

Ion Ratio Lower Upper

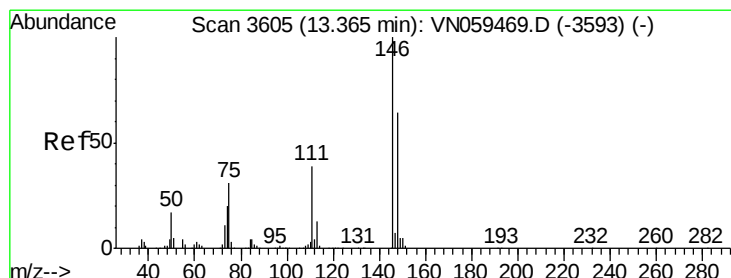
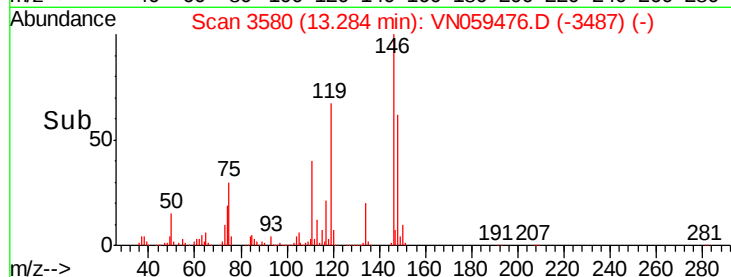
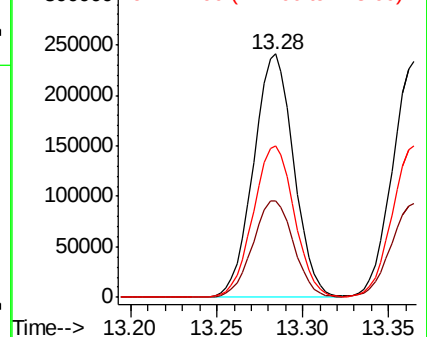
146 100

111 40.4 20.4 61.3

148 63.6 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 42.340 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

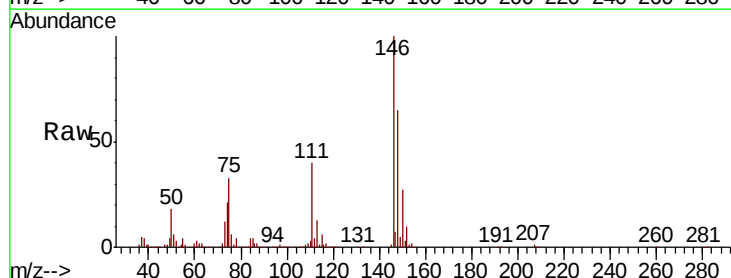
Tgt Ion:146 Resp: 384880

Ion Ratio Lower Upper

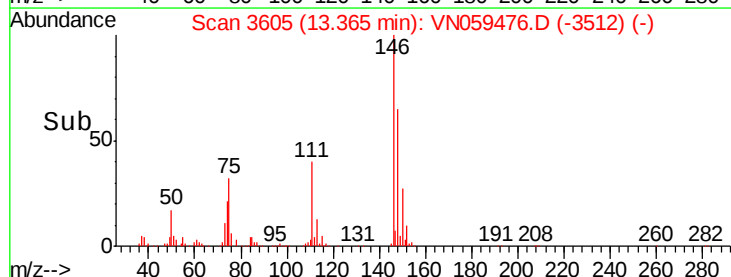
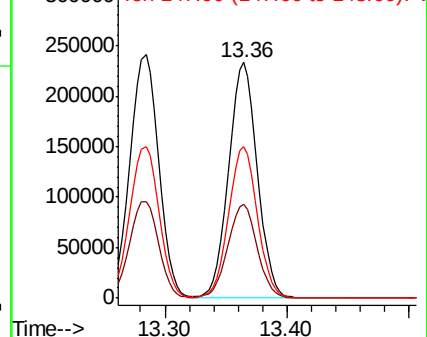
146 100

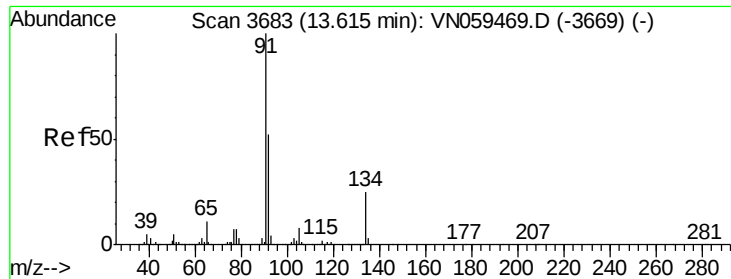
111 40.5 19.8 59.3

148 64.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

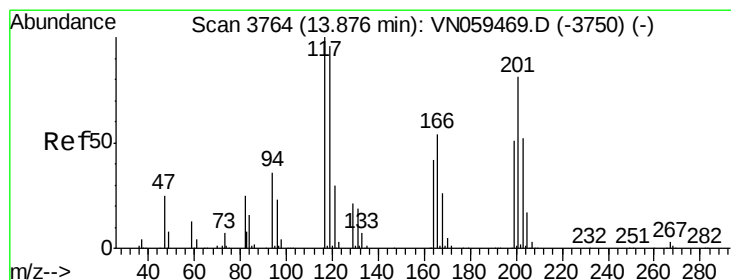
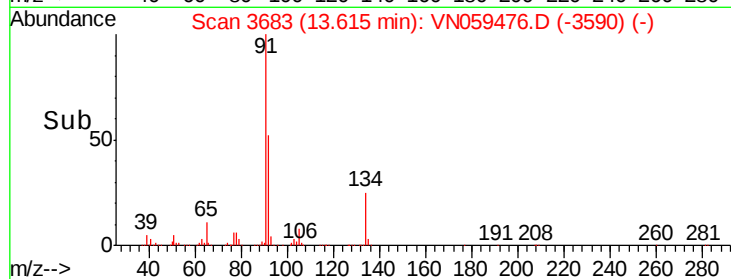
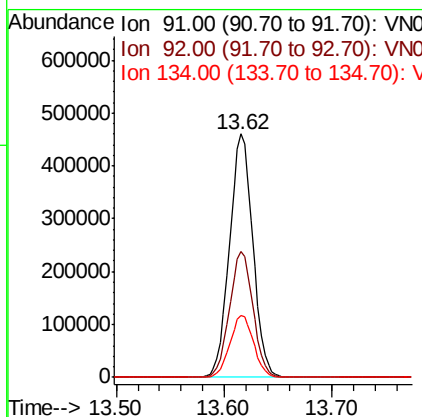
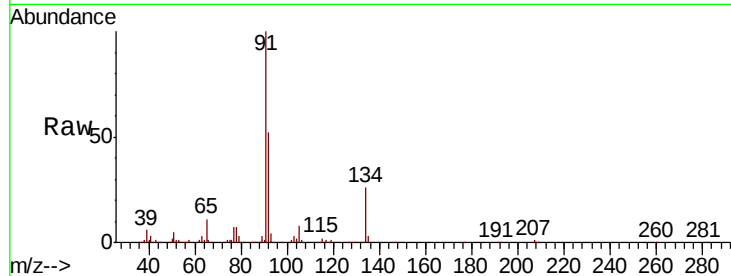




#89
n-Butylbenzene
Concen: 44.126 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

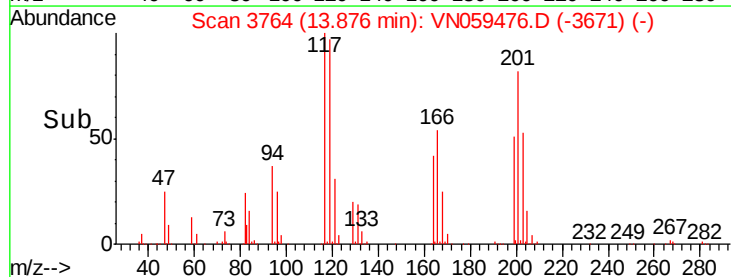
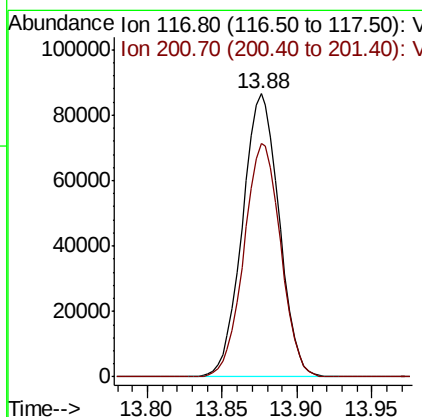
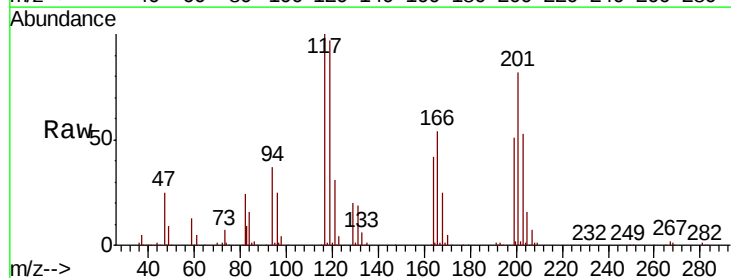
Instrument :
MSVOA_N
ClientSampled :

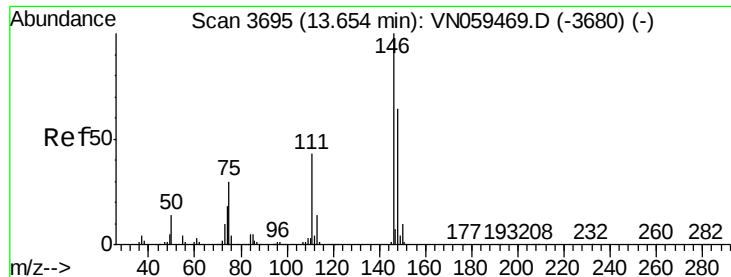
Tot Ion: 91 Resp: 696917
Ion Ratio Lower Upper
91 100
92 52.0 25.9 77.8
134 25.6 12.6 37.6



#90
Hexachloroethane
Concen: 43.404 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059476.D
Acq: 4 Dec 2019 9:53

Tgt Ion: 117 Resp: 147571
Ion Ratio Lower Upper
117 100
201 82.5 40.6 122.0

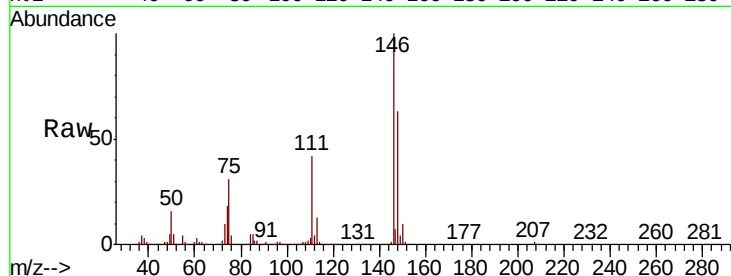




#91
 1,2-Dichlorobenzene
 Concen: 43.587 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.7
148	64.0	32.2	96.6

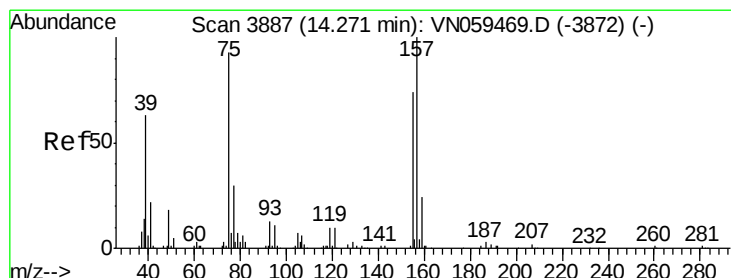
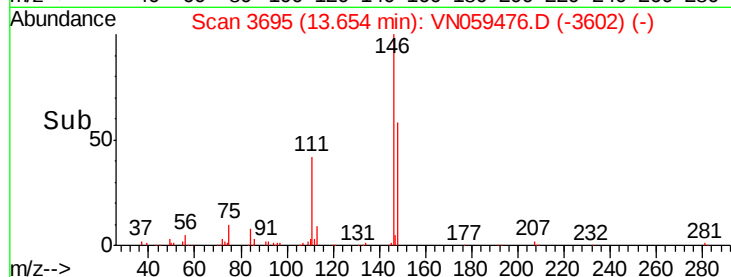
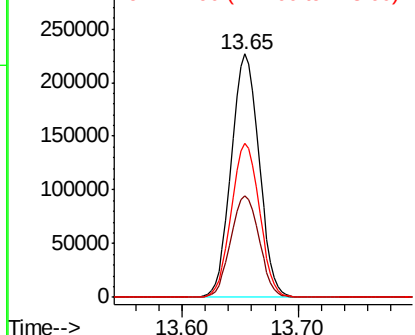


Abundance

Ion 145.90 (145.60 to 146.60): V

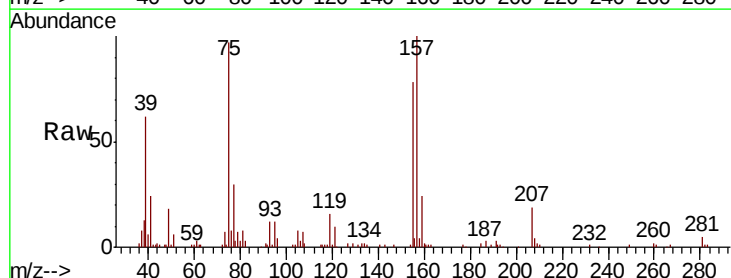
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.611 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	40.6	122.0
157	105.0	52.9	158.7

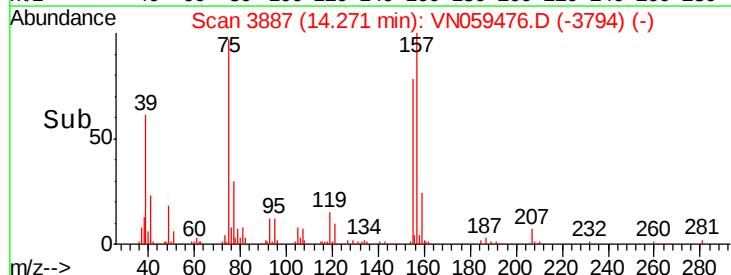
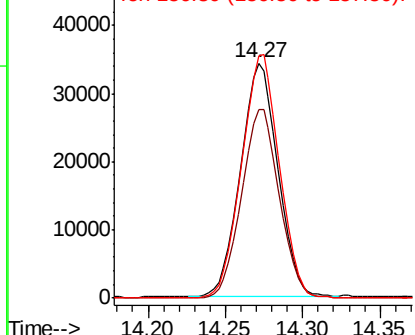


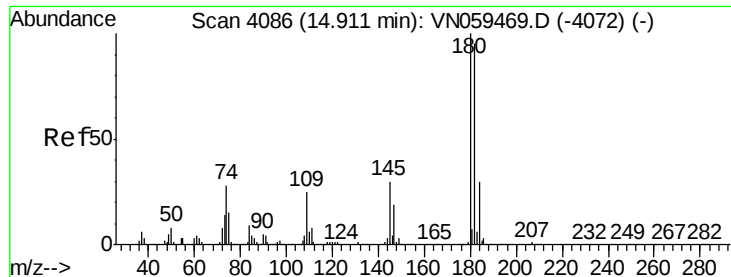
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

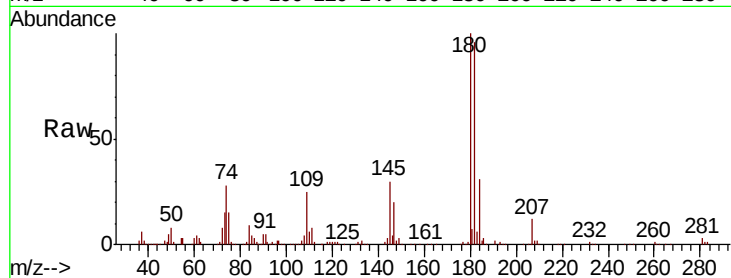




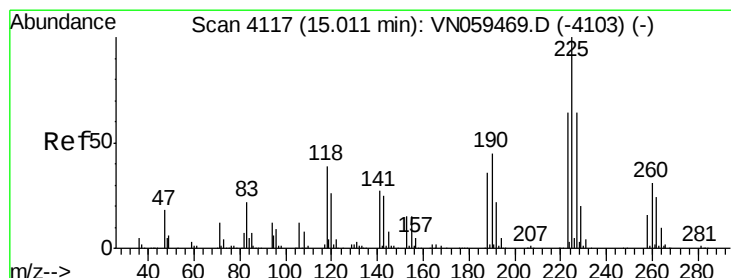
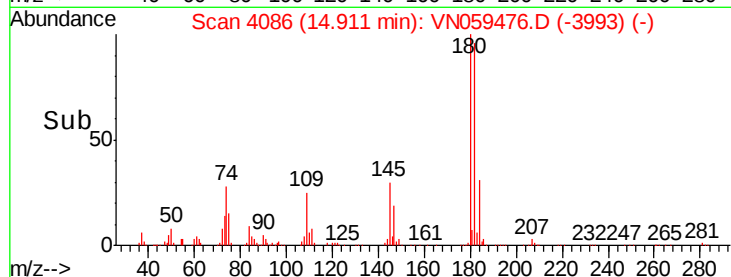
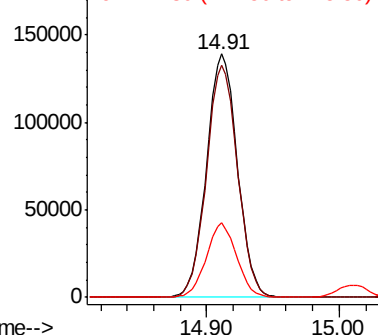
#93
 1,2,4-Trichlorobenzene
 Concen: 42.691 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	29.9	15.2	45.6

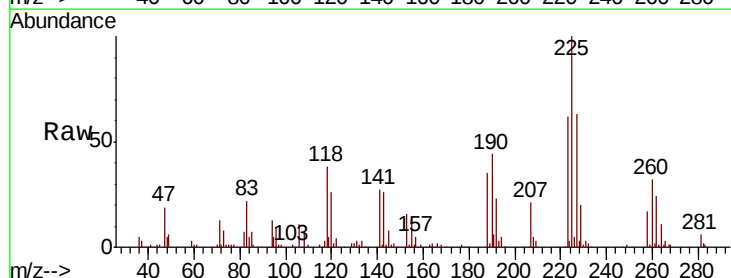


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

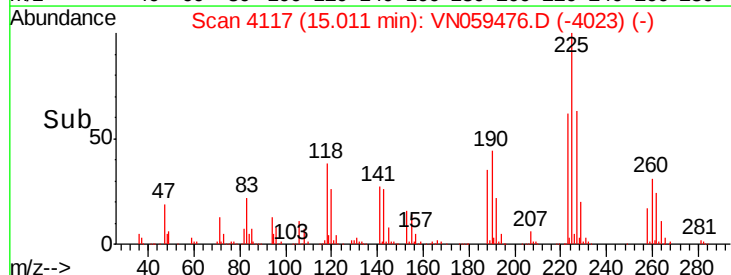
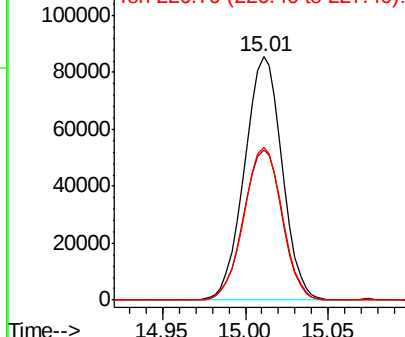


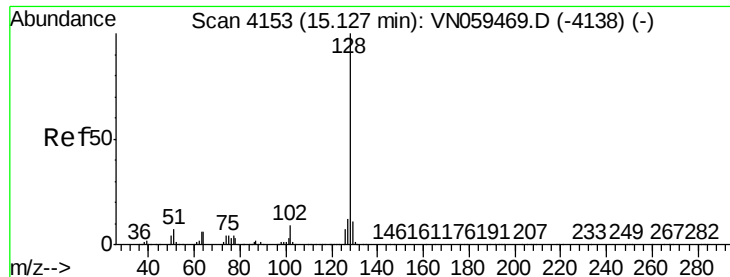
#94
 Hexachlorobutadiene
 Concen: 45.088 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059476.D
 Acq: 4 Dec 2019 9:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.5
227	64.0	32.0	96.2



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: 40.173 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

Instrument :

MSVOA_N

ClientSampleId :

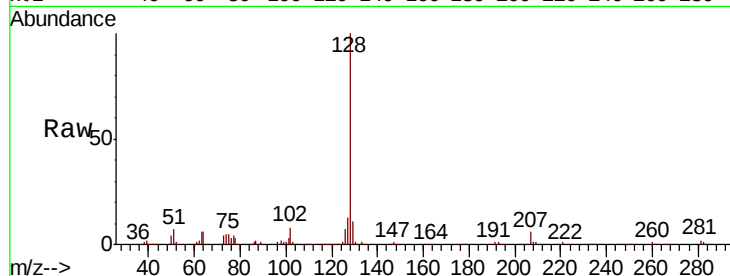
Tot Ion:128 Resp: 576538

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

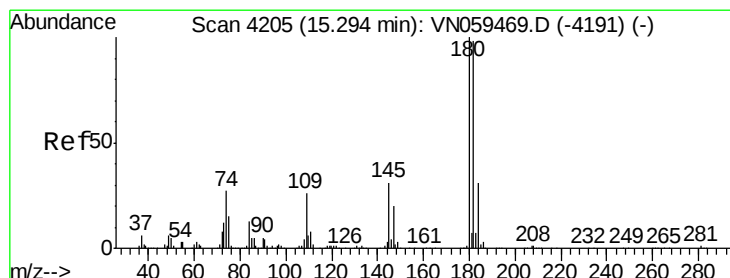
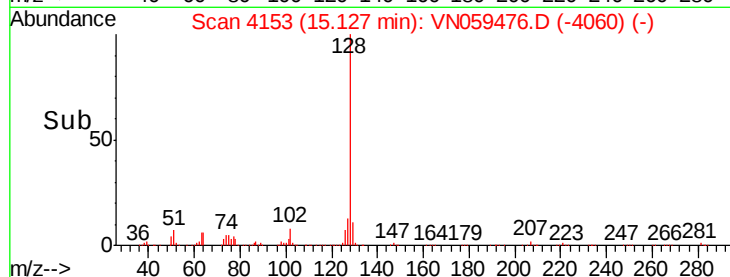
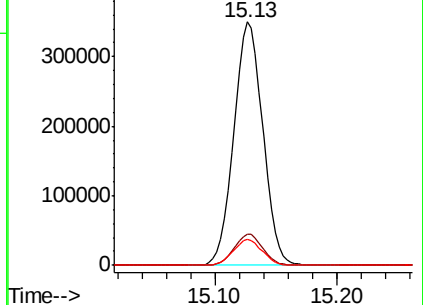
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 42.572 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059476.D

Acq: 4 Dec 2019 9:53

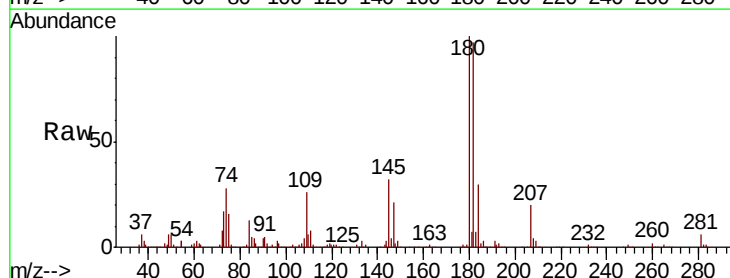
Tgt Ion:180 Resp: 223983

Ion Ratio Lower Upper

180 100

182 95.4 48.5 145.5

145 32.1 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

