

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
 Data File : VN059059.D
 Acq On : 1 Nov 2019 13:21
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:49:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	567816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	896872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	813229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	384212	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	357319	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.57	113	274722	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.08	98	1098470	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.40	95	398309	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	275049	44.802	ug/l	99
3) Chloromethane	2.04	50	360261	43.278	ug/l	99
4) Vinyl Chloride	2.17	62	357514	44.245	ug/l	98
5) Bromomethane	2.54	94	205401	42.996	ug/l	99
6) Chloroethane	2.68	64	207181	41.866	ug/l	99
7) Trichlorofluoromethane	3.00	101	428344	44.612	ug/l	100
8) Diethyl Ether	3.39	74	171762	45.807	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	249576	44.099	ug/l	98
10) Methyl Iodide	3.93	142	327562	47.619	ug/l	100
11) Tert butyl alcohol	4.75	59	290089	208.429	ug/l	99
12) 1,1-Dichloroethene	3.72	96	249792	44.381	ug/l	95
13) Acrolein	3.58	56	214952	244.761	ug/l	99
14) Allyl chloride	4.30	41	502728	45.076	ug/l	98
15) Acrylonitrile	4.95	53	819609	234.755	ug/l	99
16) Acetone	3.79	43	855166	224.624	ug/l	99
17) Carbon Disulfide	4.03	76	783661	43.795	ug/l	100
18) Methyl Acetate	4.30	43	408302	42.334	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	871002	45.436	ug/l	99
20) Methylene Chloride	4.53	84	290690	43.616	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	271127	44.871	ug/l	100
22) Diisopropyl ether	5.92	45	983129	46.279	ug/l	100
23) Vinyl Acetate	5.87	43	4157633	245.724	ug/l	100
24) 1,1-Dichloroethane	5.82	63	534424	44.002	ug/l	99
25) 2-Butanone	6.81	43	1179810	232.735	ug/l	100
26) 2,2-Dichloropropane	6.80	77	450248	42.710	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	304666	44.779	ug/l	99
28) Bromochloromethane	7.17	49	172993	46.151	ug/l	100
29) Tetrahydrofuran	7.18	42	743493	232.394	ug/l	100
30) Chloroform	7.35	83	505999	43.568	ug/l	98
31) Cyclohexane	7.63	56	510031	44.027	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	437080	44.482	ug/l	99
36) 1,1-Dichloropropene	7.77	75	399229	44.787	ug/l	100
37) Ethyl Acetate	6.90	43	453822	45.821	ug/l	99
38) Carbon Tetrachloride	7.75	117	387512	44.607	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	479109	46.501	ug/l	97
40) Benzene	8.02	78	1186203	44.841	ug/l	99
41) Methacrylonitrile	7.18	41	645674	150.764	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	402615	43.823	ug/l	100
43) Isopropyl Acetate	8.14	43	716279	46.246	ug/l	100
44) Trichloroethene	8.82	130	287359	44.150	ug/l	99
45) 1,2-Dichloropropane	9.10	63	320206	44.757	ug/l	99
46) Dibromomethane	9.19	93	195761	44.273	ug/l	100
47) Bromodichloromethane	9.39	83	403280	45.035	ug/l	99
48) Methyl methacrylate	9.18	41	325593	46.105	ug/l	99
49) 1,4-Dioxane	9.18	88	97894	849.787	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	2232540	248.131	ug/l	99
52) Toluene	10.15	92	720711	46.497	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	473001	45.680	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	509115	46.614	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	279255	44.227	ug/l	99
56) Ethyl methacrylate	10.42	69	471303	44.221	ug/l	99
57) 1,3-Dichloropropane	10.70	76	499497	45.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	964915	233.018	ug/l	100
59) 2-Hexanone	10.75	43	1708058	249.887	ug/l	100
60) Dibromochloromethane	10.90	129	306536	45.048	ug/l	99
61) 1,2-Dibromoethane	11.00	107	295888	46.257	ug/l	99
64) Tetrachloroethene	10.63	164	252655	44.475	ug/l	98
65) Chlorobenzene	11.43	112	749330	44.895	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	276463	45.021	ug/l	100
67) Ethyl Benzene	11.51	91	1387036	48.005	ug/l	99
68) m/p-Xylenes	11.62	106	1027647	95.248	ug/l	99
69) o-Xylene	11.95	106	488700	47.435	ug/l	99
70) Styrene	11.96	104	820792	49.163	ug/l	99
71) Bromoform	12.13	173	225442	47.430	ug/l #	99
73) Isopropylbenzene	12.25	105	1322179	46.777	ug/l	100
74) N-amyl acetate	12.07	43	609946	48.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	443348	44.032	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	593815	65.312	ug/l #	100
77) Bromobenzene	12.53	156	316992	44.852	ug/l	98
78) n-propylbenzene	12.59	91	1562547	47.731	ug/l	100
79) 2-Chlorotoluene	12.68	91	920780	45.297	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1128164	46.963	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	161212	45.454	ug/l	96
82) 4-Chlorotoluene	12.78	91	945859	45.593	ug/l	100
83) tert-Butylbenzene	13.00	119	960025	47.044	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1122551	48.091	ug/l	99
85) sec-Butylbenzene	13.17	105	1283845	48.002	ug/l	100
86) p-Isopropyltoluene	13.29	119	1161068	48.152	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	562159	44.768	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	563066	45.331	ug/l	100
89) n-Butylbenzene	13.62	91	1037842	49.396	ug/l	100
90) Hexachloroethane	13.88	117	212675	44.371	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	553329	44.285	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91918	42.264	ug/l	99

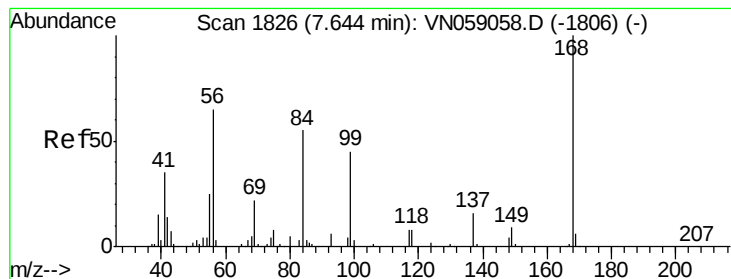
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	329246	48.856	ug/l	100
94) Hexachlorobutadiene	15.01	225	184374	45.585	ug/l	99
95) Naphthalene	15.13	128	942917	45.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	324000	47.239	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

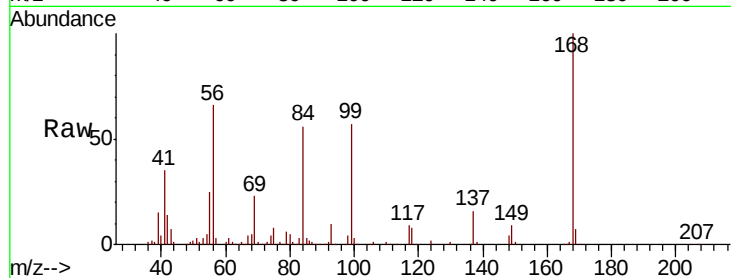
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 567816

Ion Ratio Lower Upper

168 100

99 57.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

250000

200000

150000

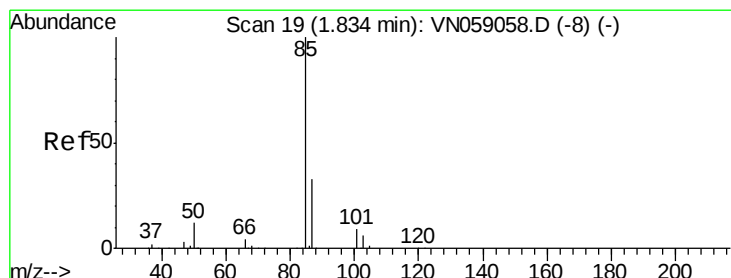
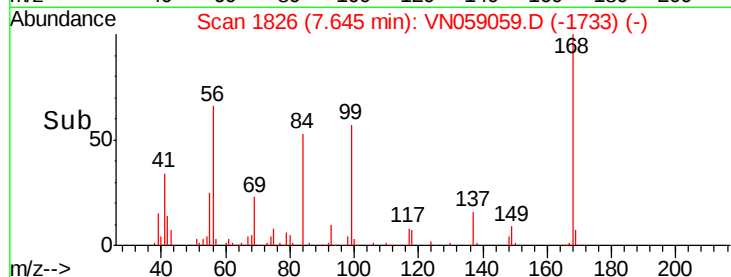
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.802 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059059.D

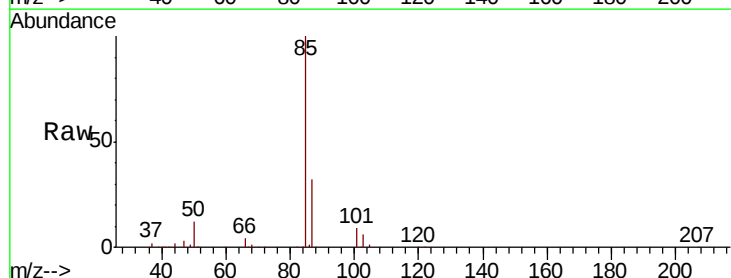
Acq: 1 Nov 2019 13:21

Tgt Ion: 85 Resp: 275049

Ion Ratio Lower Upper

85 100

87 32.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

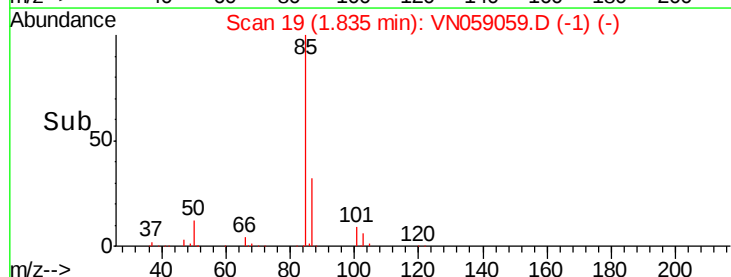
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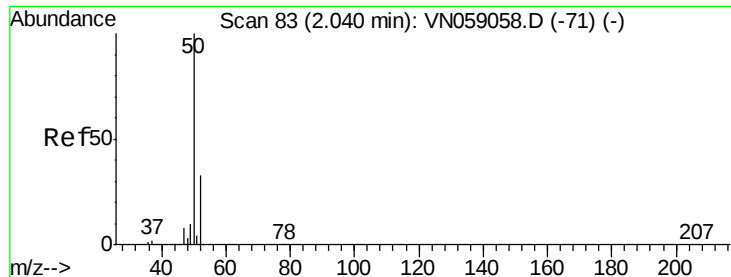
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.278 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

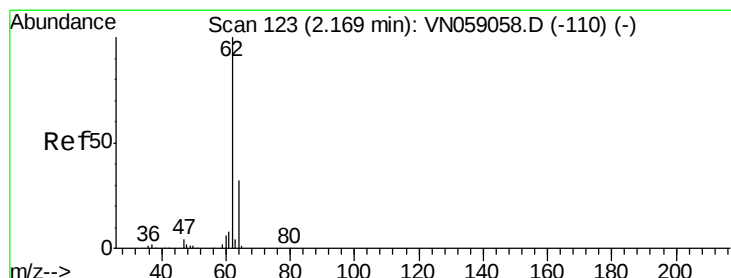
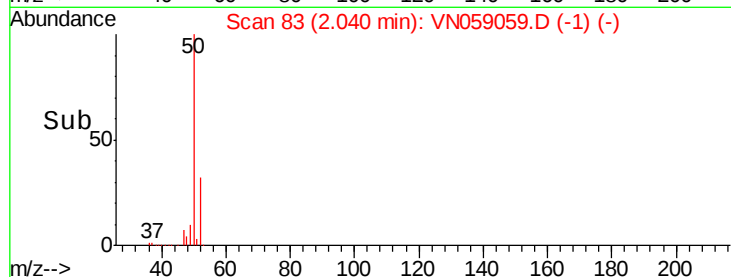
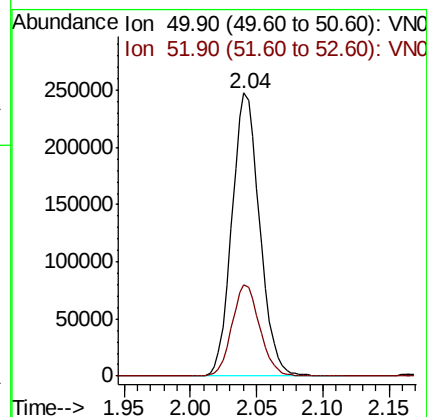
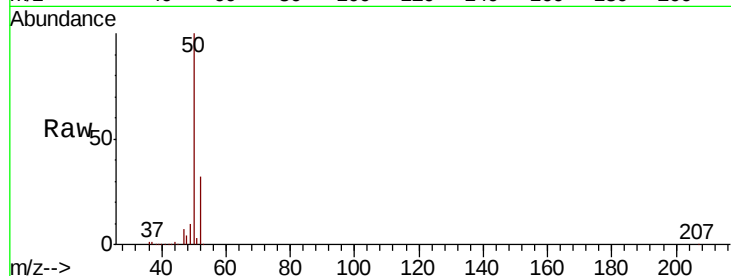
ClientSampled :

Tot Ion: 50 Resp: 360261

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



#4

Vinyl Chloride

Concen: 44.245 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059059.D

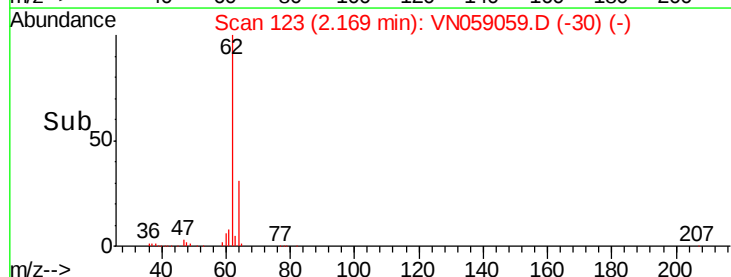
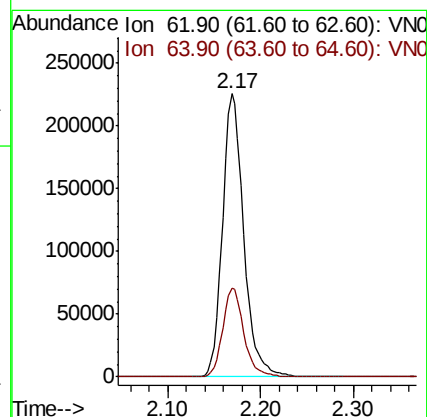
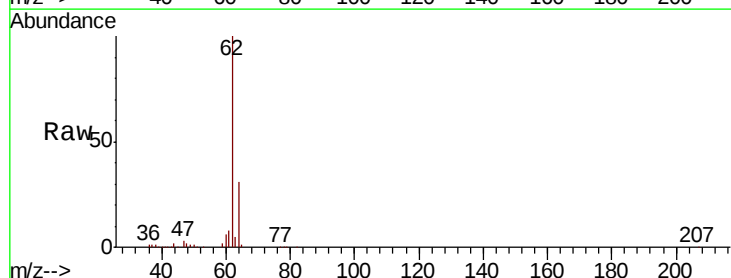
Acq: 1 Nov 2019 13:21

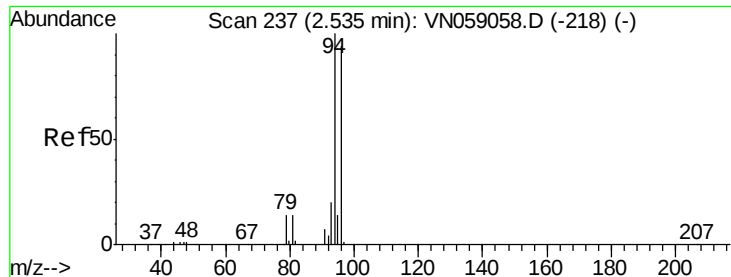
Tgt Ion: 62 Resp: 357514

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 42.996 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

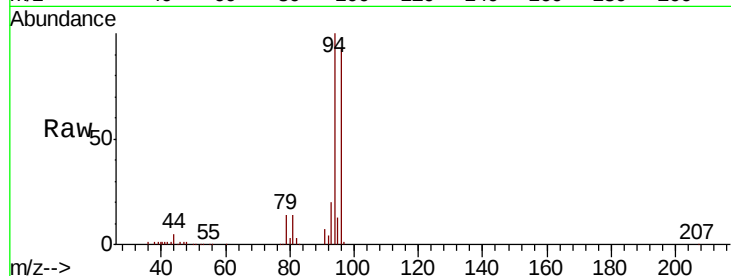
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 205401

Ion Ratio Lower Upper

94 100

96 93.3 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN059058.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059058.D (-218) (-)

2.54

100000

80000

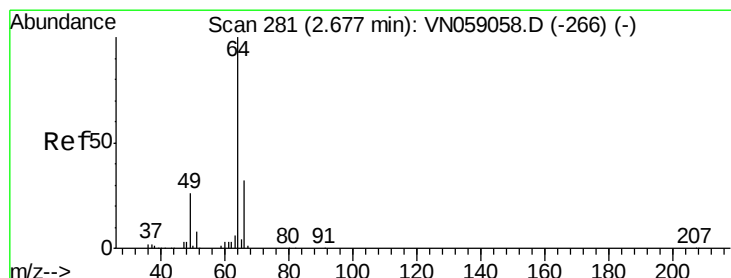
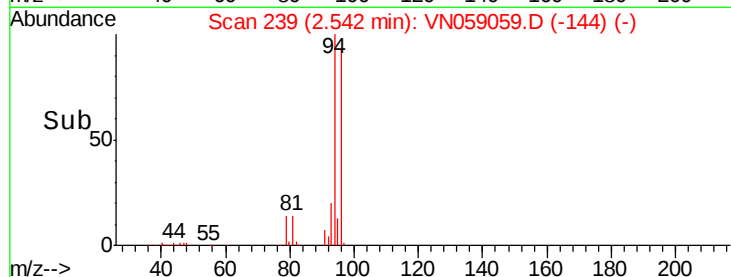
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 41.866 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059059.D

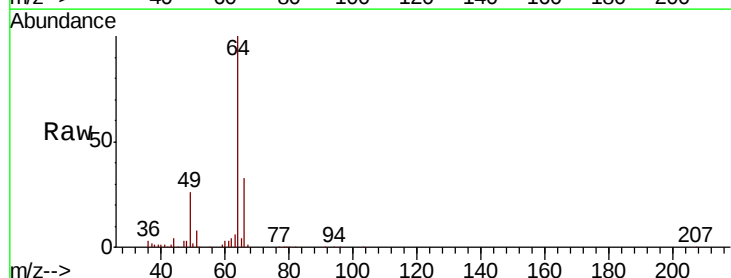
Acq: 1 Nov 2019 13:21

Tgt Ion: 64 Resp: 207181

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN059058.D (-266) (-)

Ion 65.90 (65.60 to 66.60): VN059058.D (-266) (-)

2.68

100000

80000

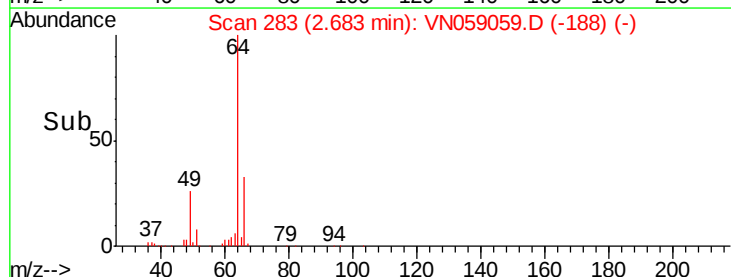
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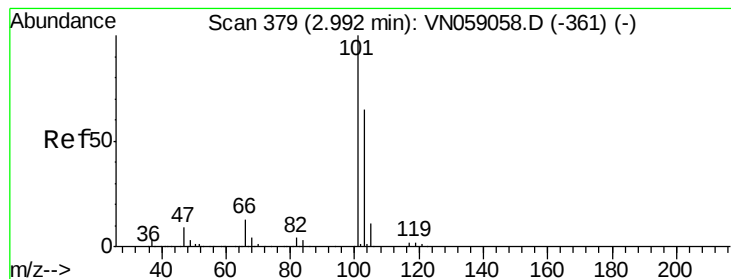
40000

20000

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Time-->



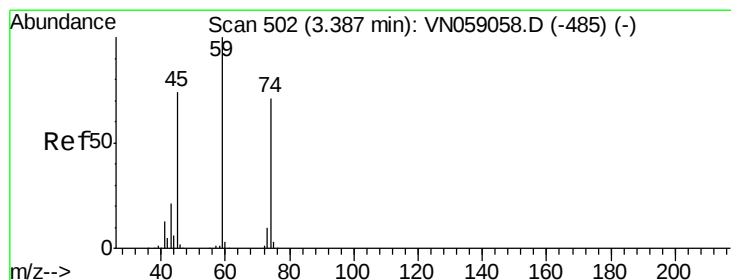
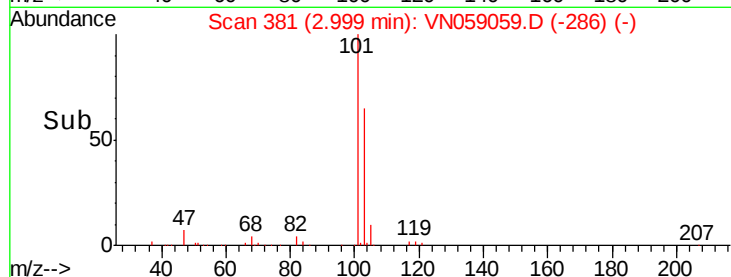
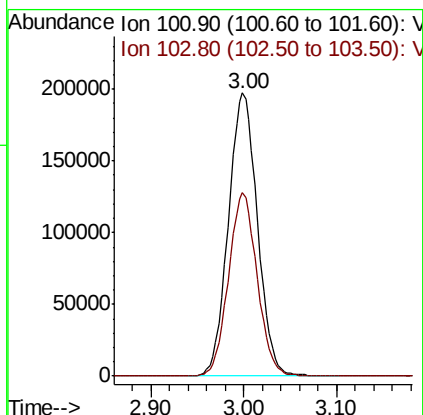
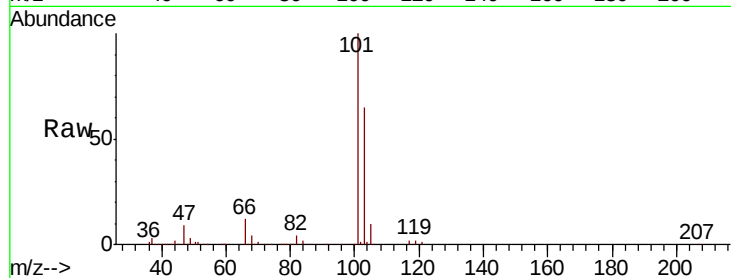


#7

Trichlorofluoromethane
Concen: 44.612 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Instrument :
MSVOA_N
ClientSampled :

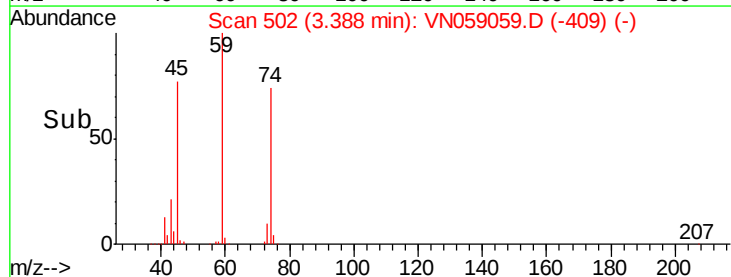
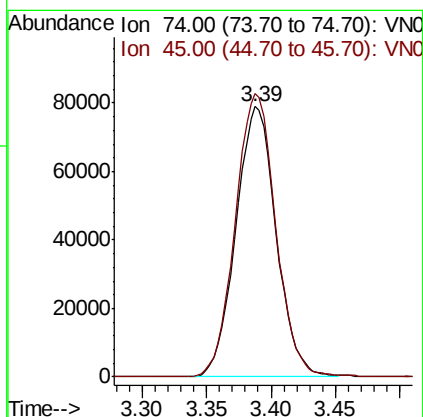
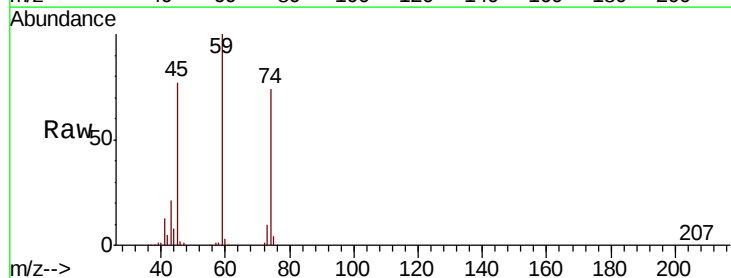
Tot Ion:101 Resp: 428344
Ion Ratio Lower Upper
101 100
103 64.7 51.7 77.5

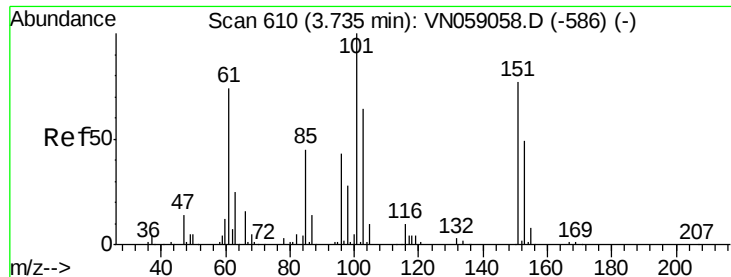


#8

Diethyl Ether
Concen: 45.807 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion: 74 Resp: 171762
Ion Ratio Lower Upper
74 100
45 105.5 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.099 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

ClientSampleId :

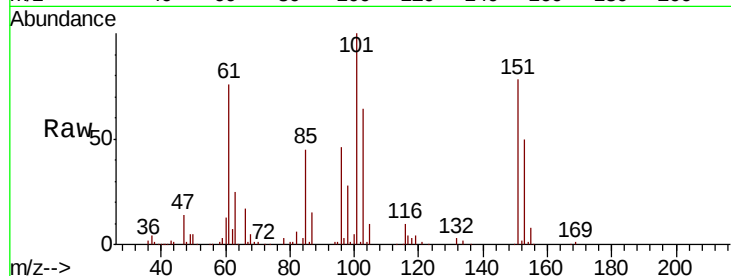
Tot Ion:101 Resp: 249576

Ion Ratio Lower Upper

101 100

85 44.5 35.0 52.6

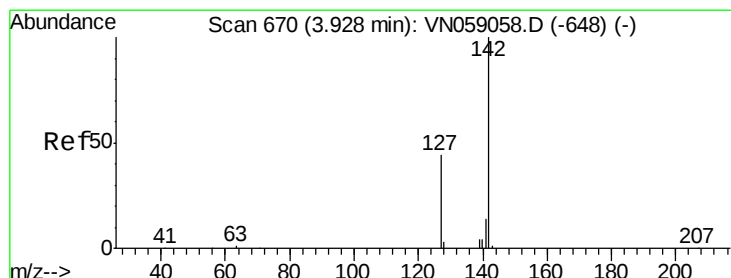
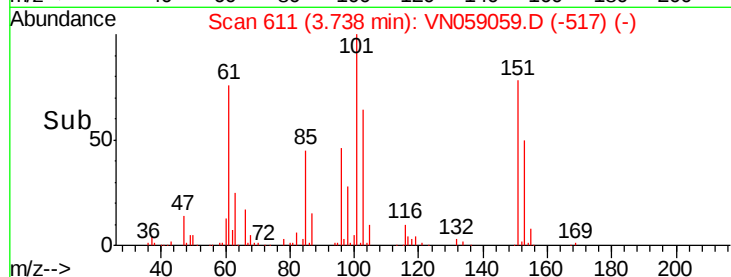
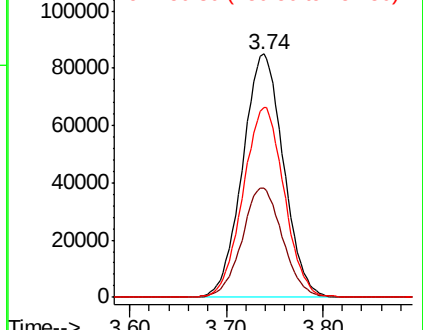
151 78.4 61.3 91.9



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: 47.619 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

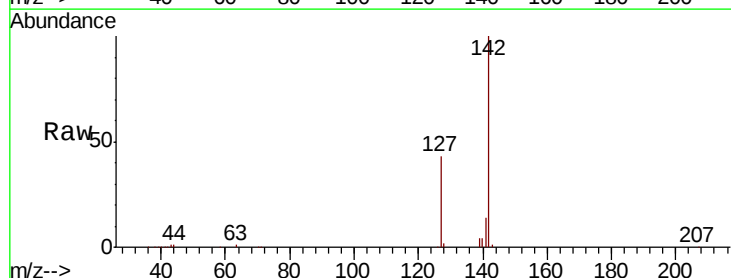
Tgt Ion:142 Resp: 327562

Ion Ratio Lower Upper

142 100

127 42.7 34.2 51.2

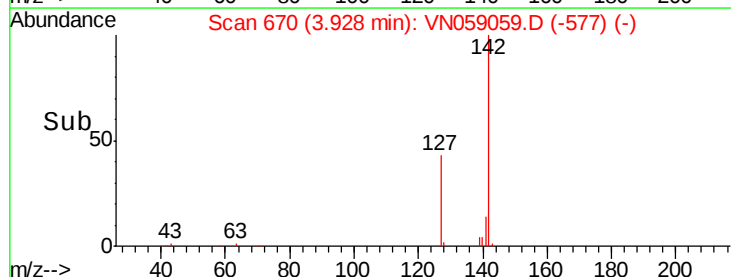
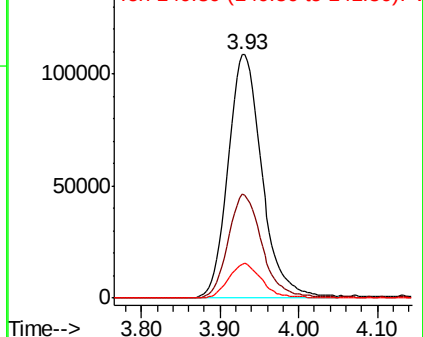
141 13.9 11.1 16.7

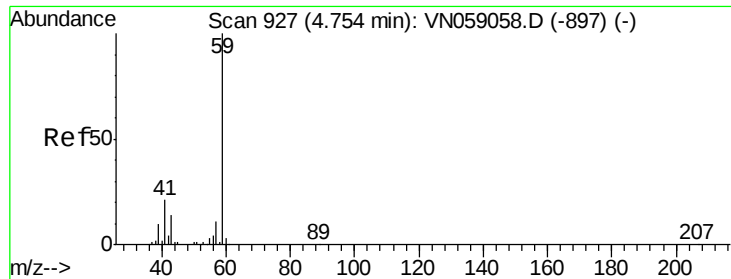


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



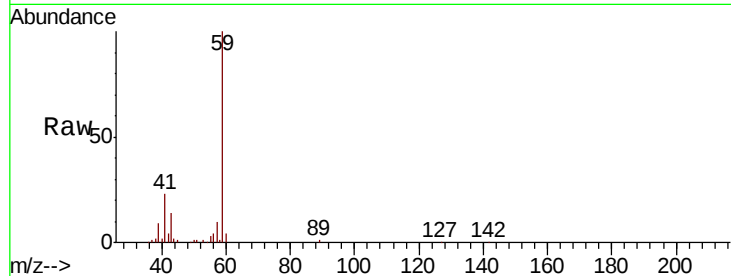


#11

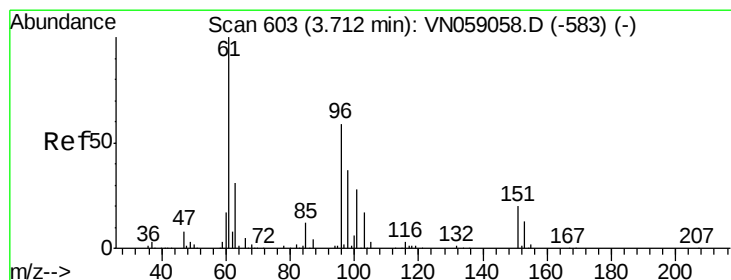
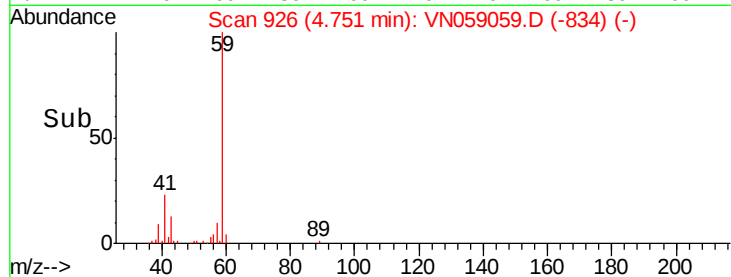
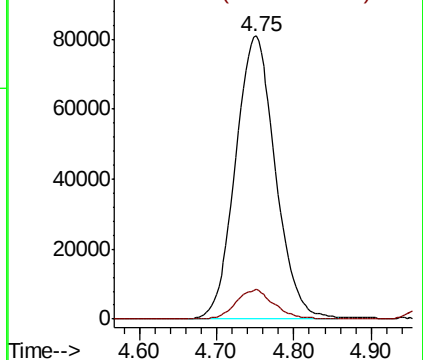
Tert butyl alcohol
 Concen: 208.429 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059059.D
 Acq: 1 Nov 2019 13:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 59 Resp: 290089
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4



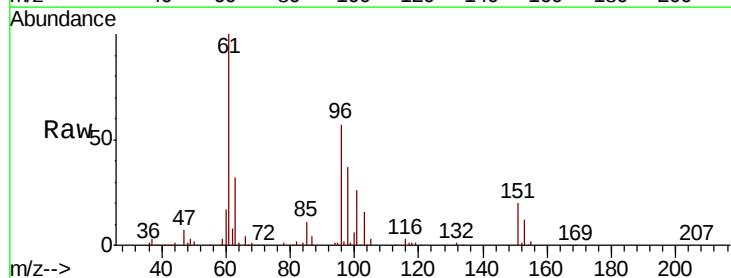
Abundance Ion 59.00 (58.70 to 59.70): VNO
 Ion 57.00 (56.70 to 57.70): VNO



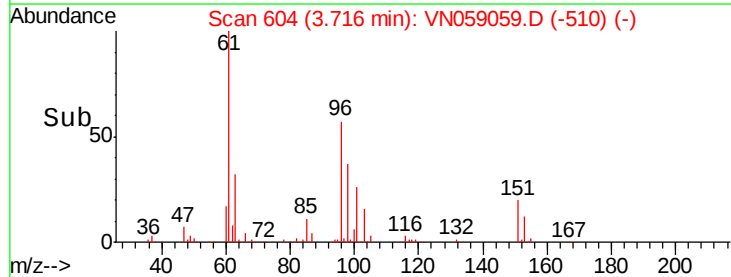
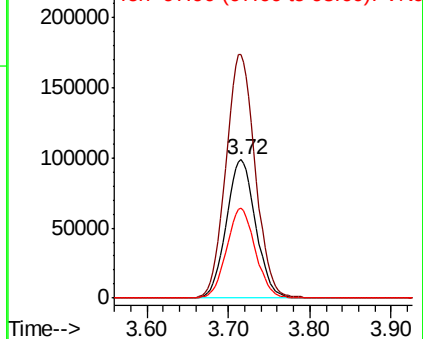
#12

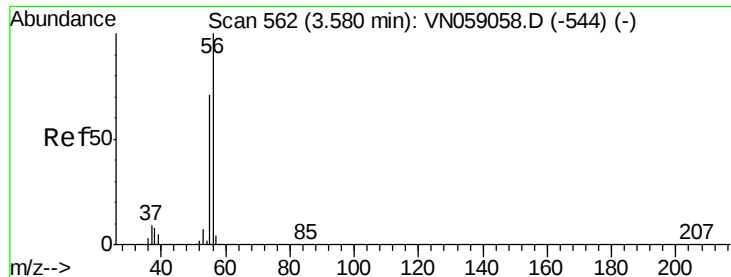
1,1-Dichloroethene
 Concen: 44.381 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059059.D
 Acq: 1 Nov 2019 13:21

Tgt Ion: 96 Resp: 249792
 Ion Ratio Lower Upper
 96 100
 61 176.4 135.3 202.9
 98 64.9 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO





#13

Acrolein

Concen: 244.761 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

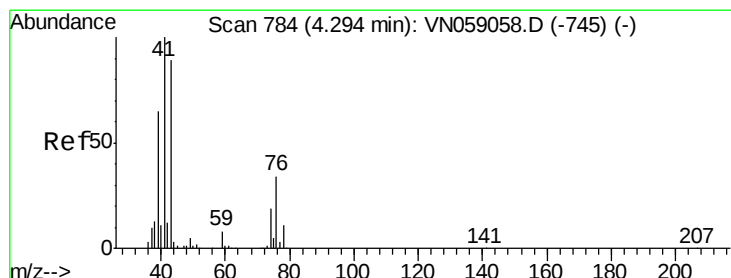
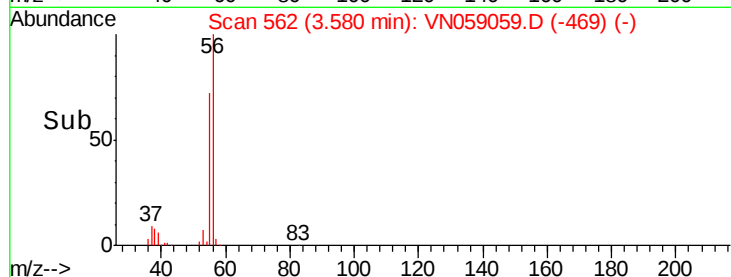
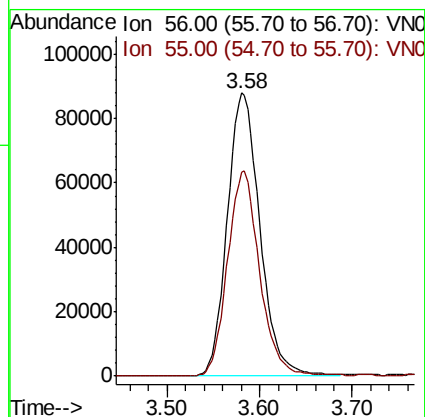
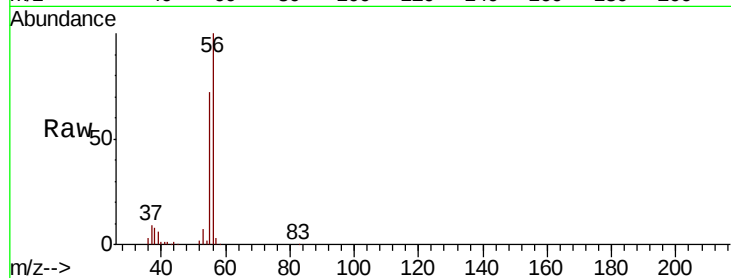
ClientSampleId :

Tot Ion: 56 Resp: 214952

Ion Ratio Lower Upper

56 100

55 71.3 56.1 84.1



#14

Allyl chloride

Concen: 45.076 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

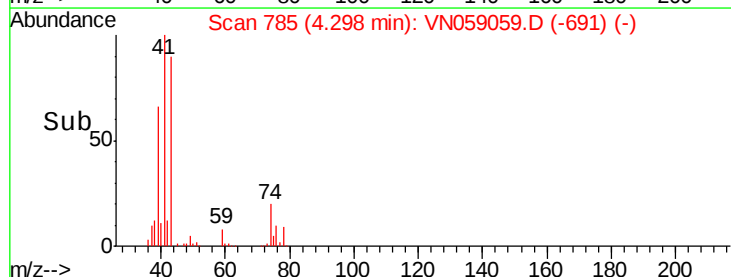
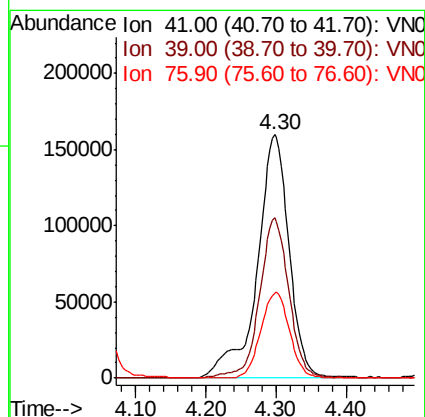
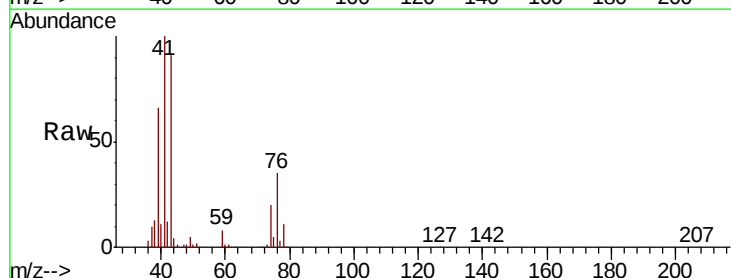
Tgt Ion: 41 Resp: 502728

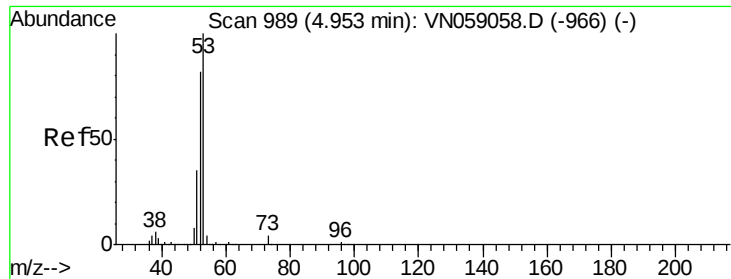
Ion Ratio Lower Upper

41 100

39 60.5 49.4 74.2

76 31.6 24.6 37.0





#15

Acrylonitrile

Concen: 234.755 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :
MSVOA_N
ClientSampleId :

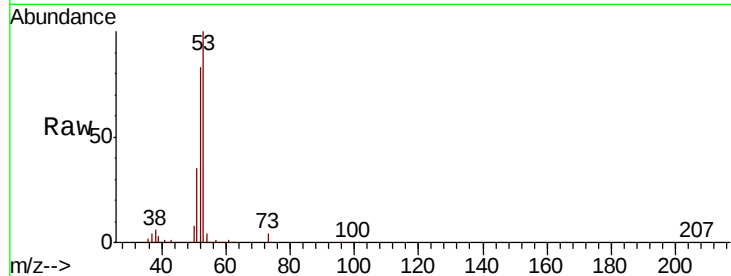
Tot Ion: 53 Resp: 819609

Ion Ratio Lower Upper

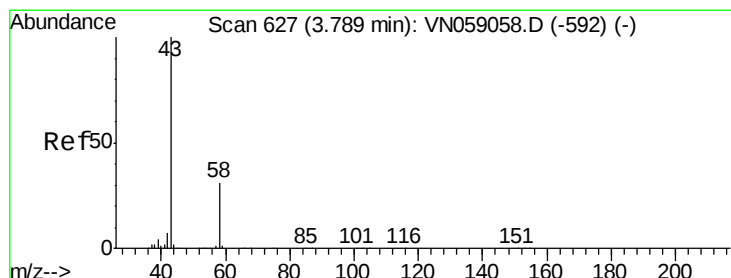
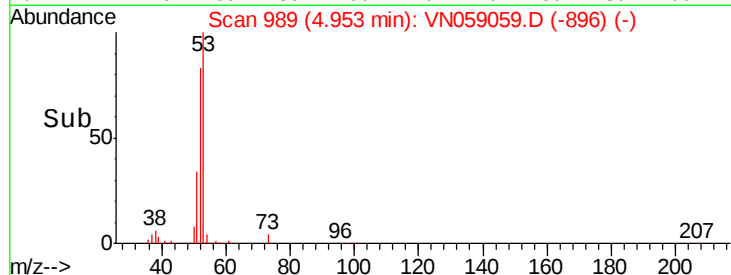
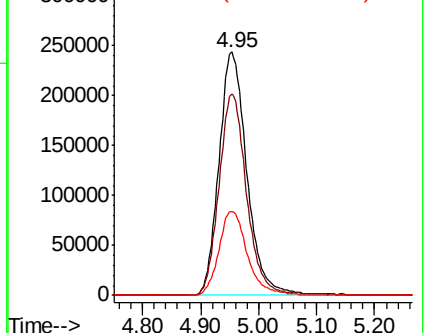
53 100

52 81.4 66.0 99.0

51 35.3 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 224.624 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059059.D

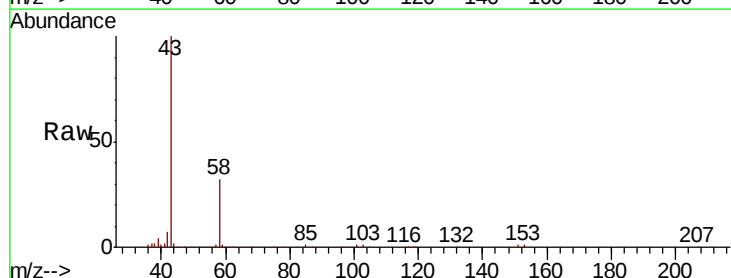
Acq: 1 Nov 2019 13:21

Tgt Ion: 43 Resp: 855166

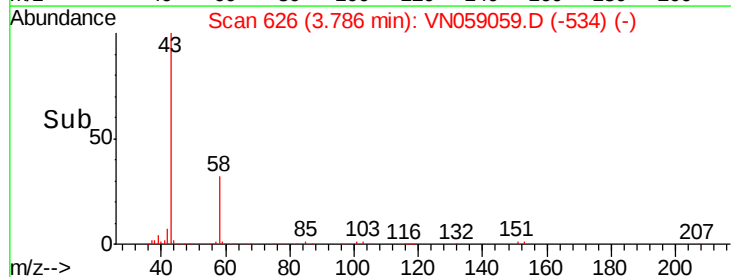
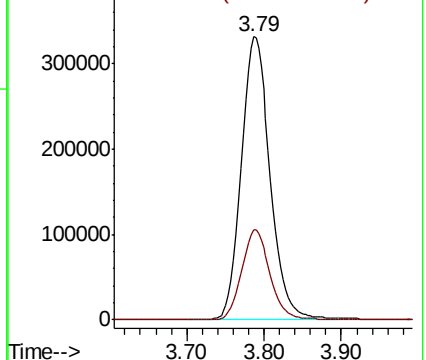
Ion Ratio Lower Upper

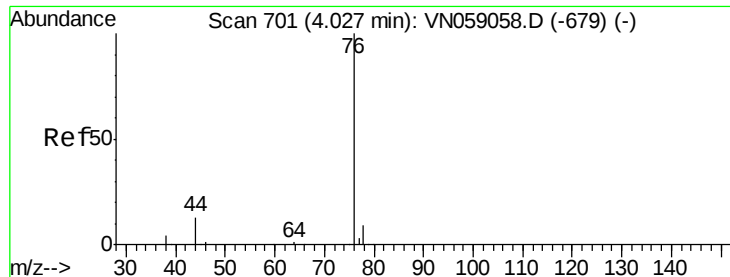
43 100

58 31.8 25.0 37.6



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





#17

Carbon Disulfide

Concen: 43.795 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

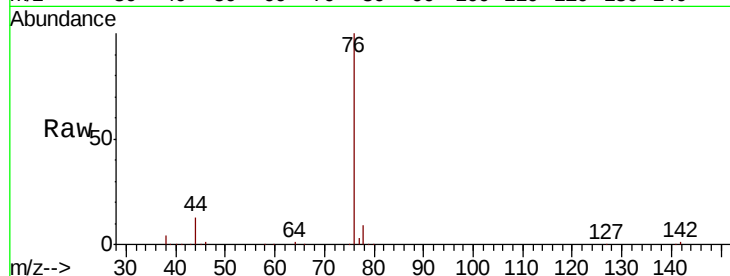
ClientSampled :

Tot Ion: 76 Resp: 783661

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN059058.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059058.D (-679) (-)

4.03

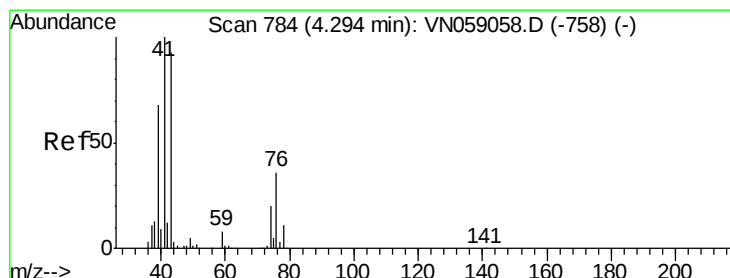
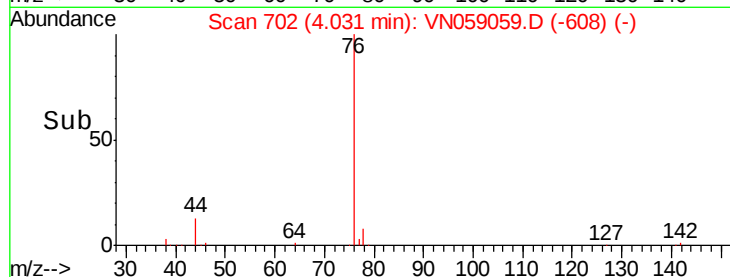
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 42.334 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059059.D

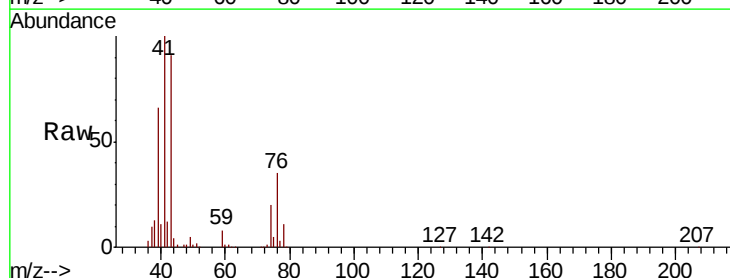
Acq: 1 Nov 2019 13:21

Tgt Ion: 43 Resp: 408302

Ion Ratio Lower Upper

43 100

74 21.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN059058.D (-758) (-)

4.30

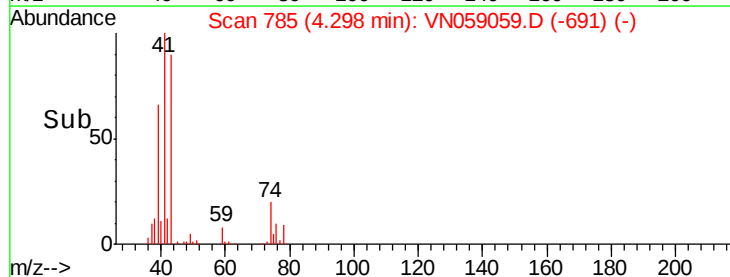
150000

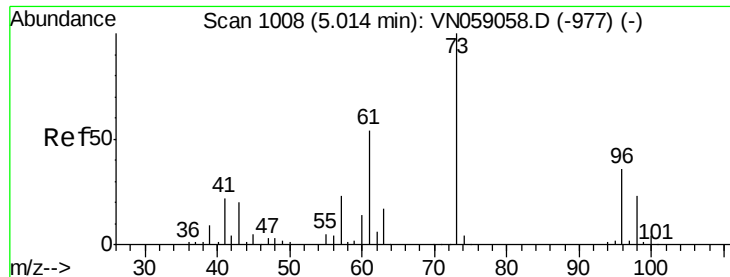
100000

50000

0

Time-->

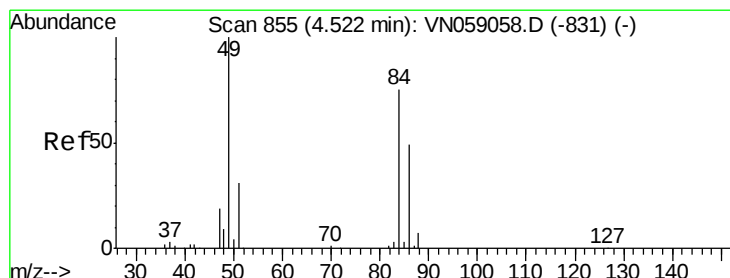
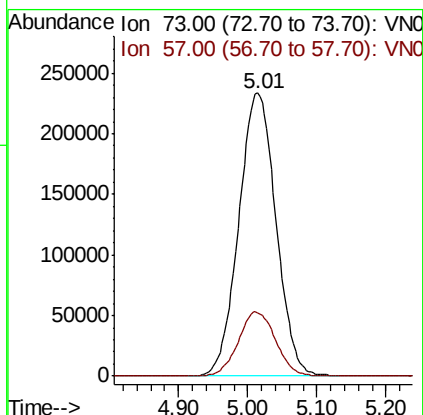
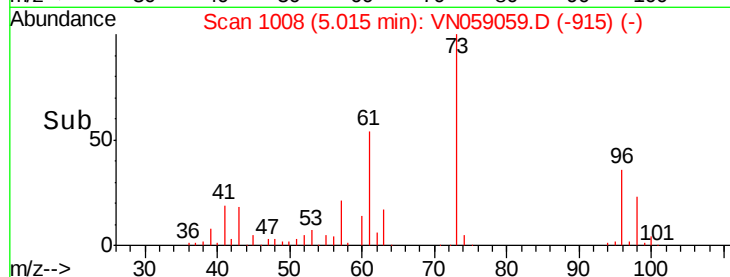
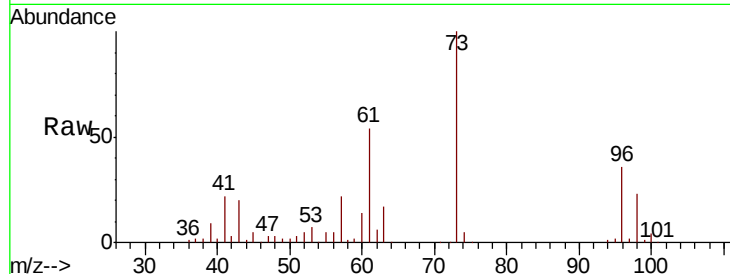




#19
Methyl tert-butyl Ether
Concen: 45.436 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

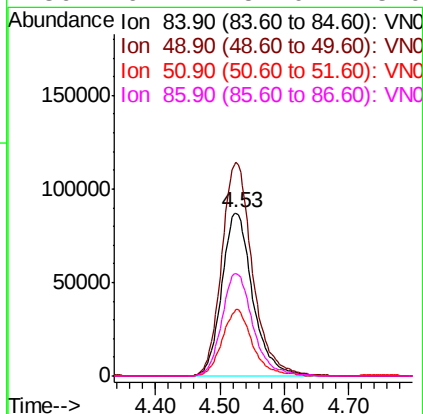
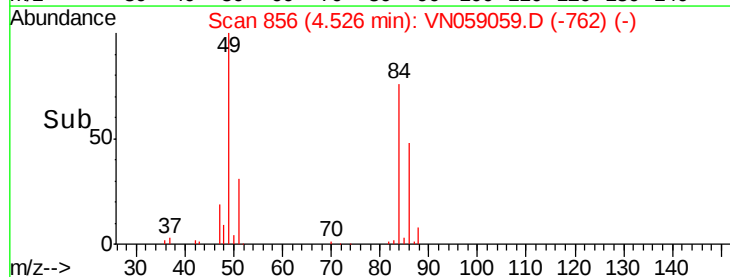
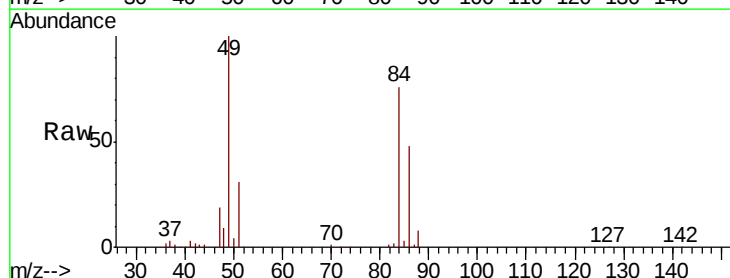
Instrument :
MSVOA_N
ClientSampled :

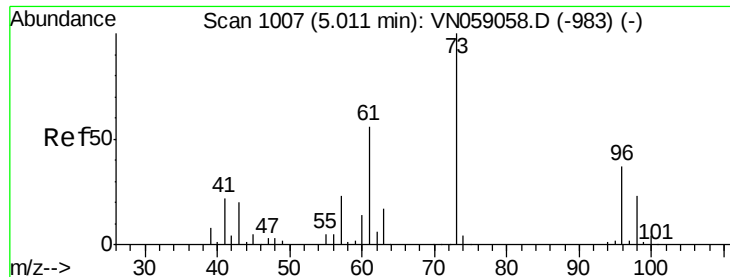
Tot Ion: 73 Resp: 871002
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6



#20
Methylene Chloride
Concen: 43.616 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion: 84 Resp: 290690
Ion Ratio Lower Upper
84 100
49 130.9 106.4 159.6
51 41.0 33.0 49.4
86 62.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 44.871 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

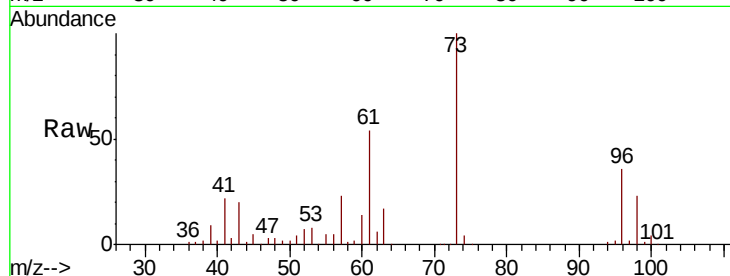
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 96 Resp: 271127

Ion	Ratio	Lower	Upper
96	100		
61	151.6	121.7	182.5
98	63.3	50.6	76.0

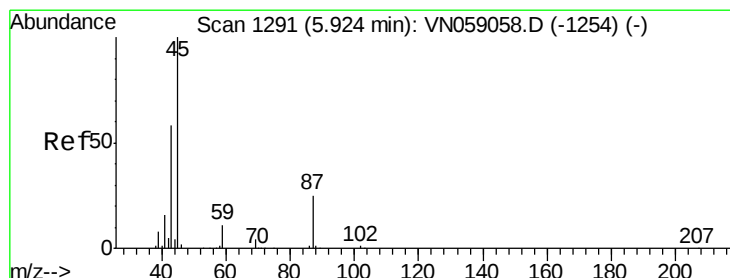
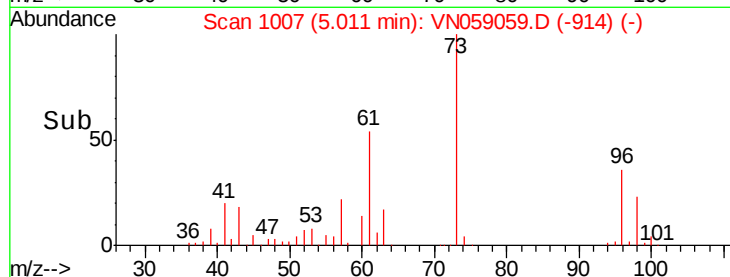
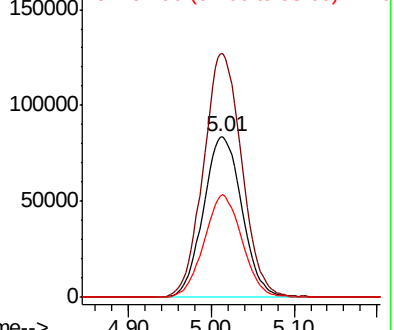


Abundance

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: 46.279 ug/l

RT: 5.92 min Scan# 1291

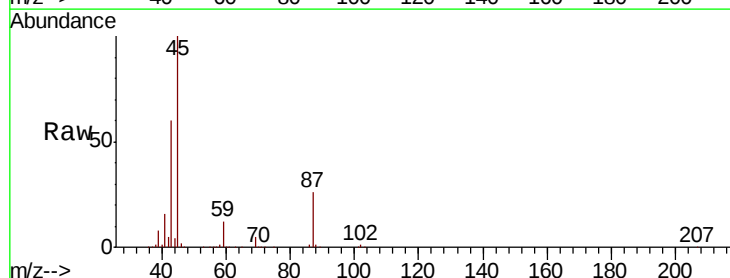
Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Tgt Ion: 45 Resp: 983129

Ion	Ratio	Lower	Upper
45	100		
43	58.7	46.9	70.3
87	25.7	20.1	30.1
59	11.6	9.0	13.4



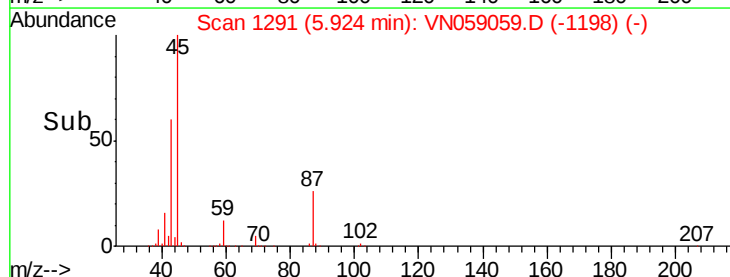
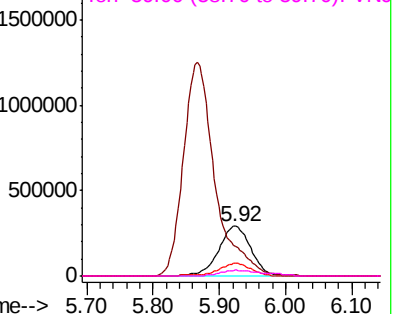
Abundance

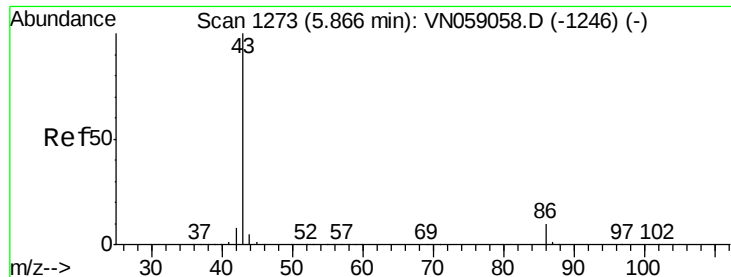
Ion 45.00 (44.70 to 45.70): VN0

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: 245.724 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

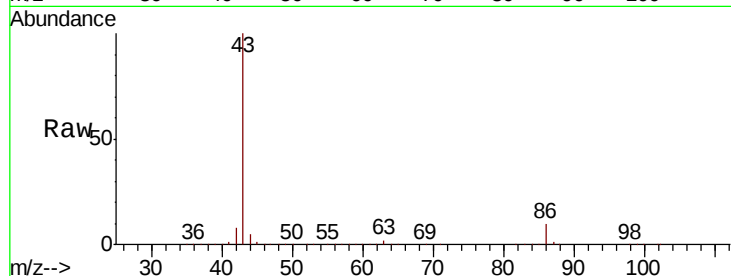
ClientSampled :

Tot Ion: 43 Resp: 4157633

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN059058.D (-1246) (-)

5.87

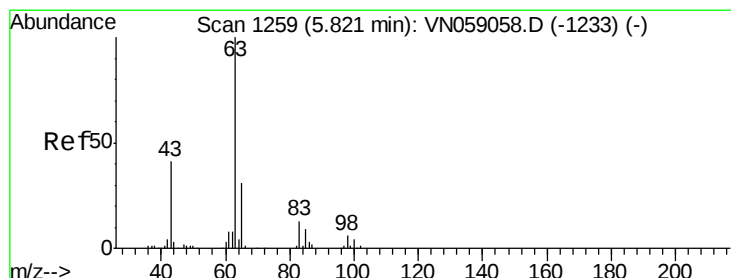
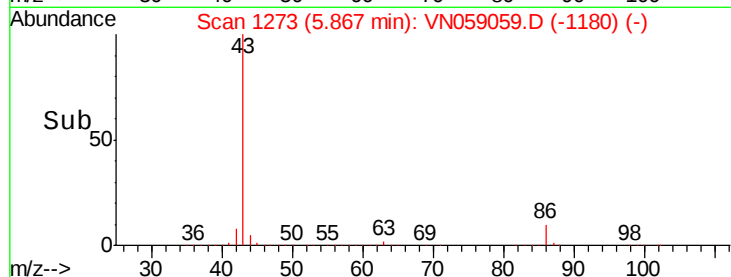
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.002 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

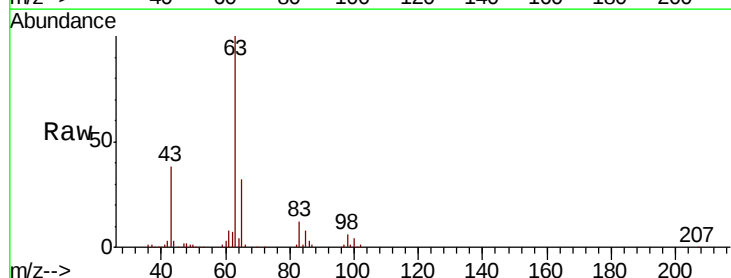
Tgt Ion: 63 Resp: 534424

Ion Ratio Lower Upper

63 100

98 6.0 3.2 9.6

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059058.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059058.D (-1233) (-)

5.82

200000

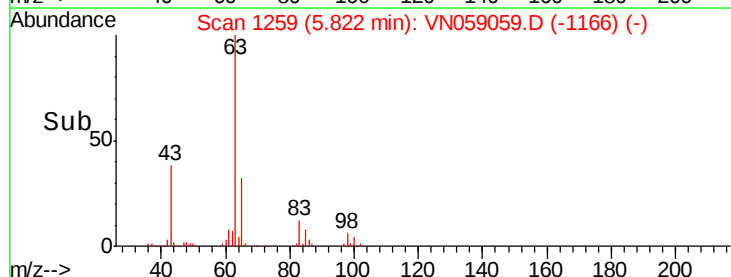
150000

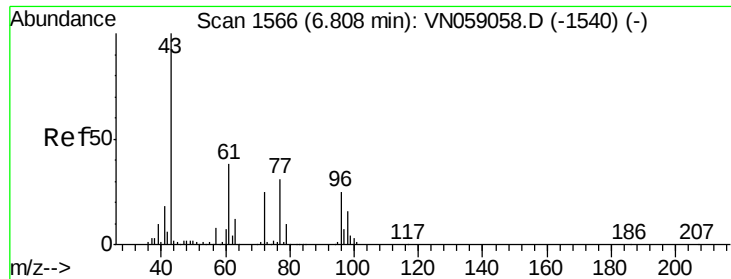
100000

50000

0

Time-->

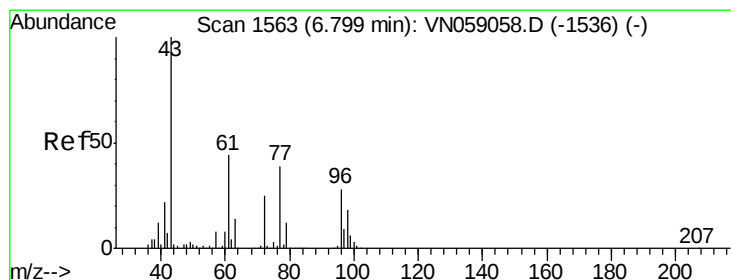
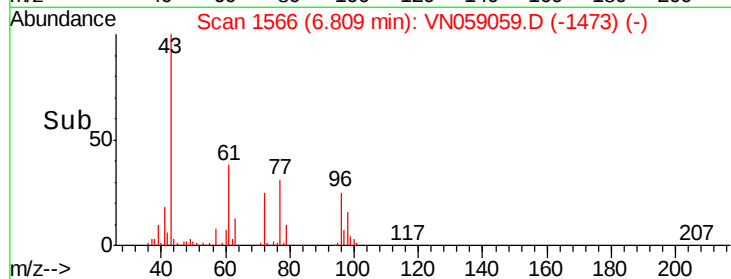
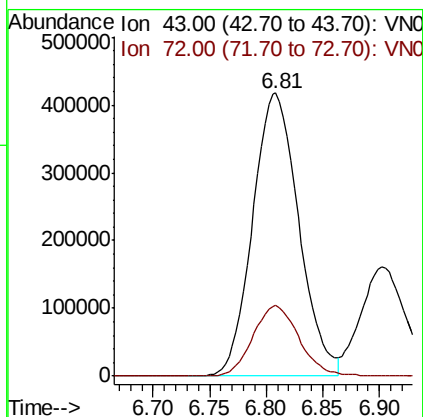
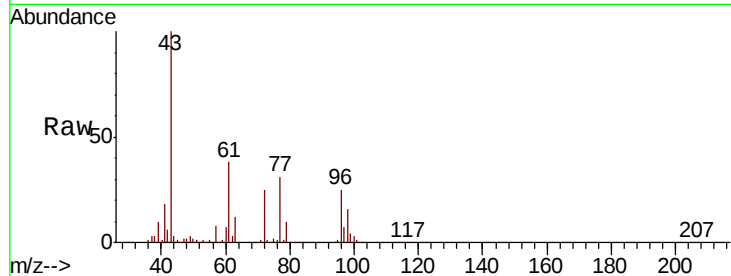




#25
 2-Butanone
 Concen: 232.735 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN059059.D
 Acq: 1 Nov 2019 13:21

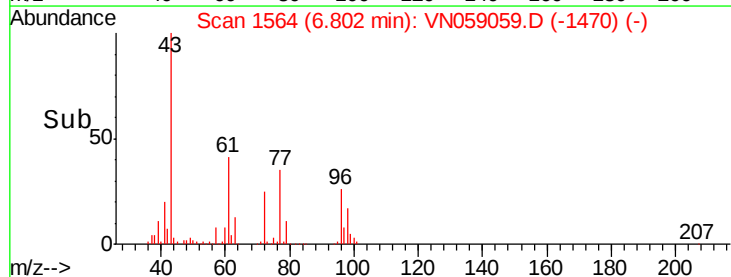
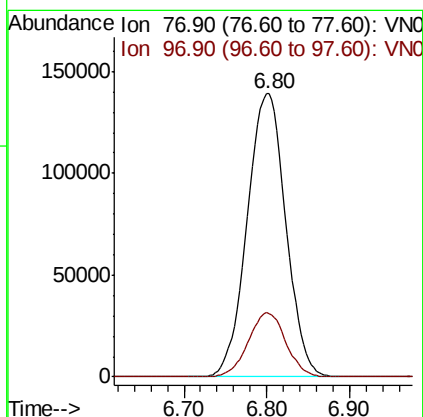
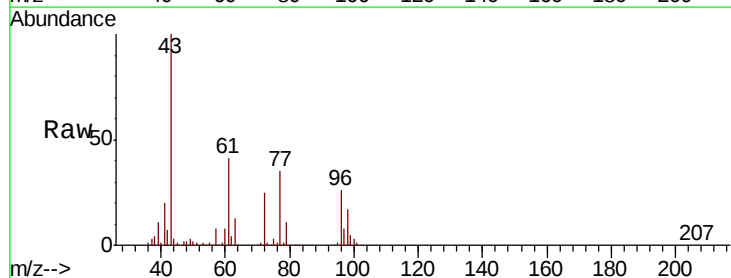
Instrument :
 MSVOA_N
 ClientSampled :

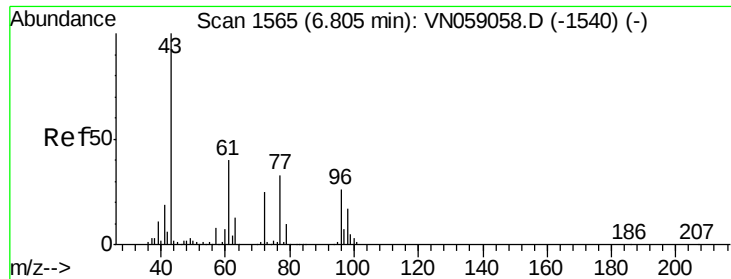
Tot Ion: 43 Resp: 1179810
 Ion Ratio Lower Upper
 43 100
 72 25.1 19.9 29.9



#26
 2,2-Dichloropropane
 Concen: 42.710 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN059059.D
 Acq: 1 Nov 2019 13:21

Tgt Ion: 77 Resp: 450248
 Ion Ratio Lower Upper
 77 100
 97 22.1 10.9 32.9

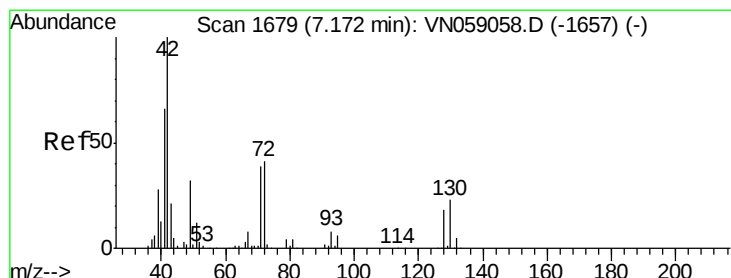
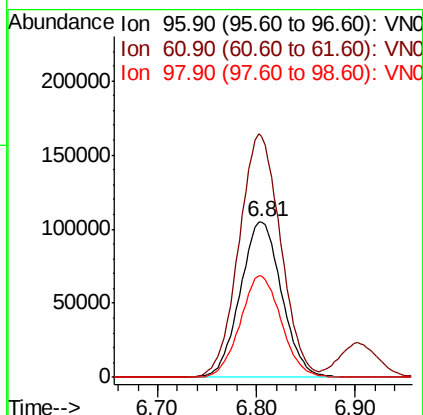
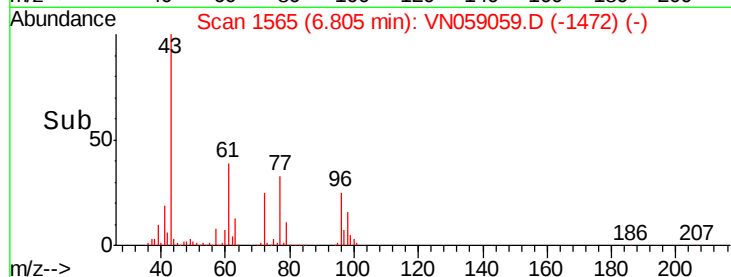
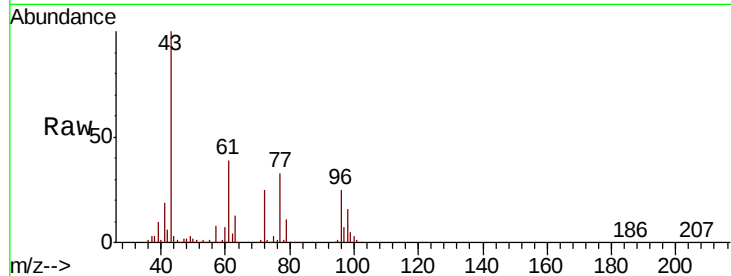




#27
 cis-1,2-Dichloroethene
 Concen: 44.779 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059059.D
 Acq: 1 Nov 2019 13:21

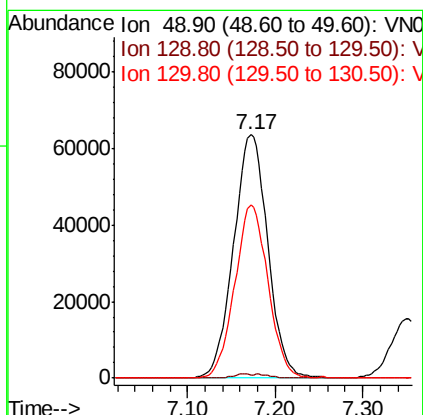
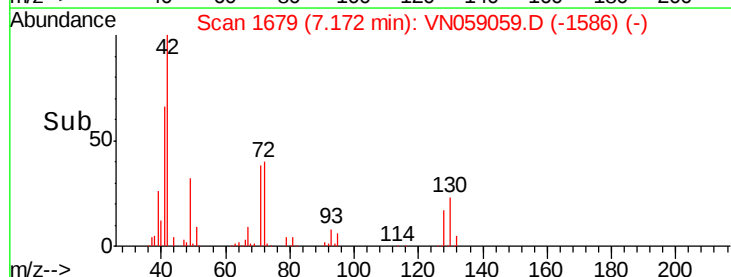
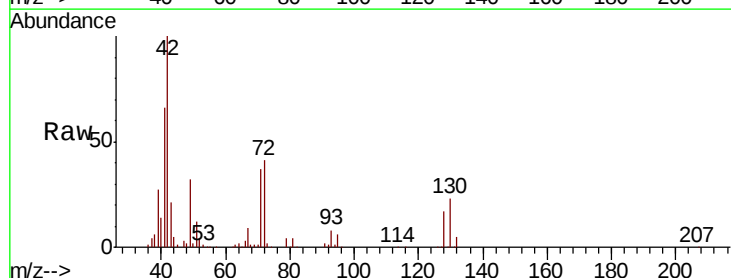
Instrument :
 MSVOA_N
 ClientSampleId :

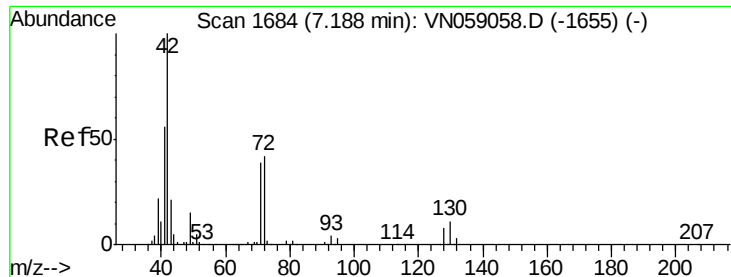
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	316.4
98	64.8	0.0	128.2



#28
 Bromochloromethane
 Concen: 46.151 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: VN059059.D
 Acq: 1 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	69.1	55.0	82.6

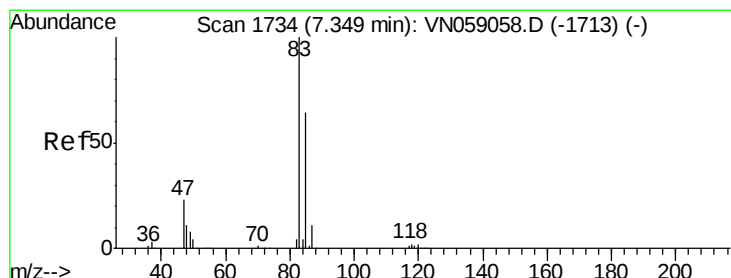
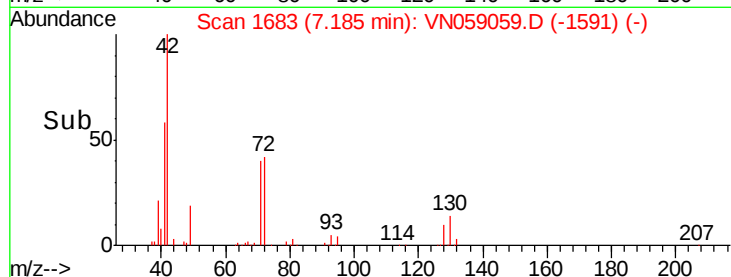
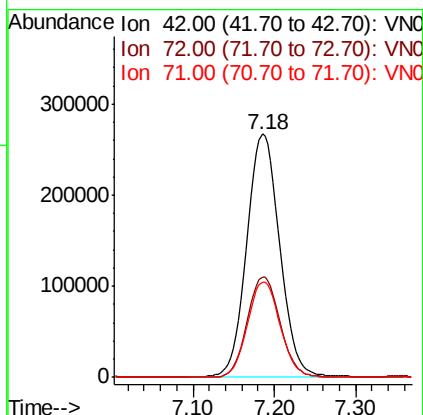
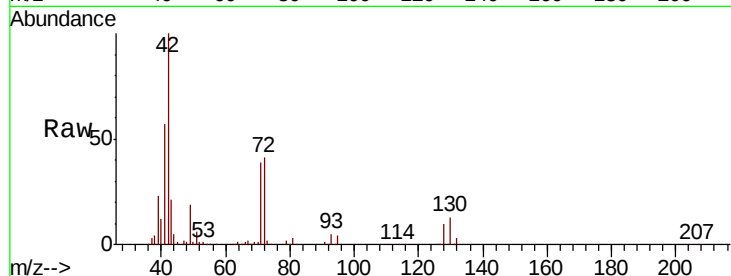




#29
Tetrahydrofuran
Concen: 232.394 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

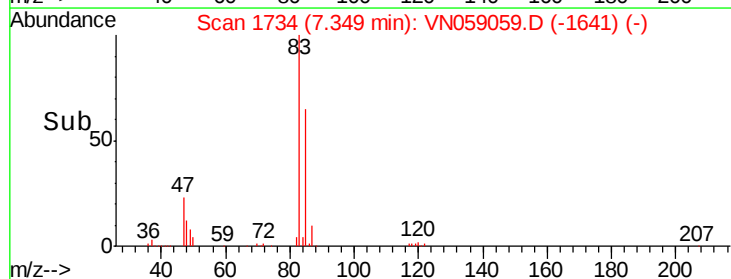
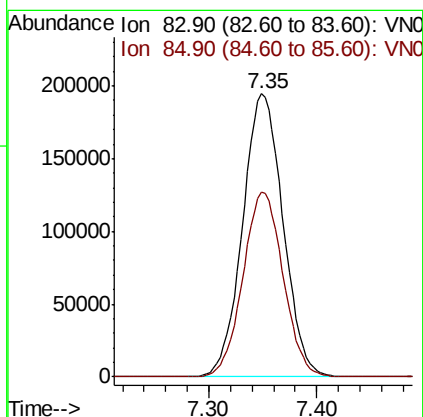
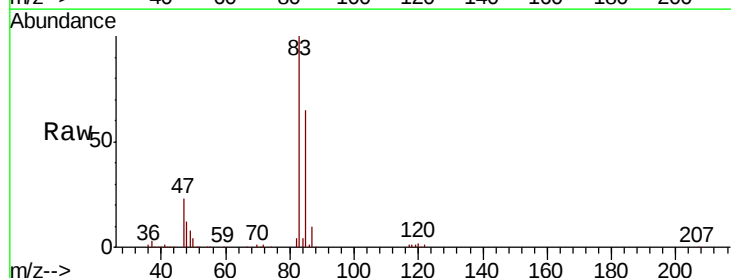
Instrument :
MSVOA_N
ClientSampled :

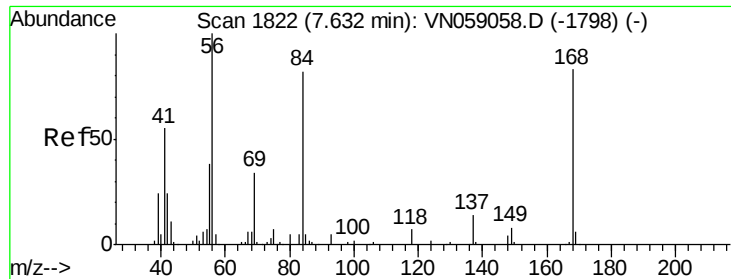
Tot Ion: 42 Resp: 743493
Ion Ratio Lower Upper
42 100
72 41.2 32.7 49.1
71 38.9 31.2 46.8



#30
Chloroform
Concen: 43.568 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion: 83 Resp: 505999
Ion Ratio Lower Upper
83 100
85 65.1 50.9 76.3

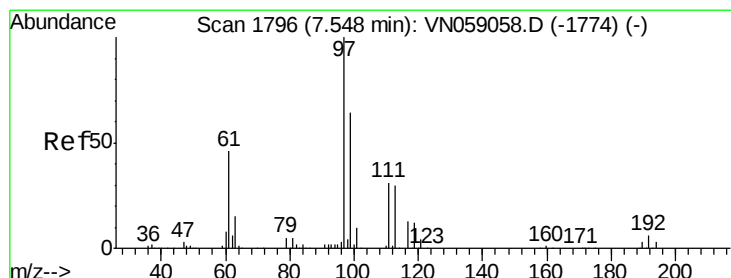
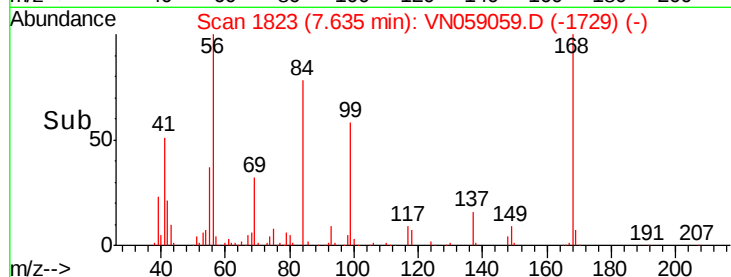
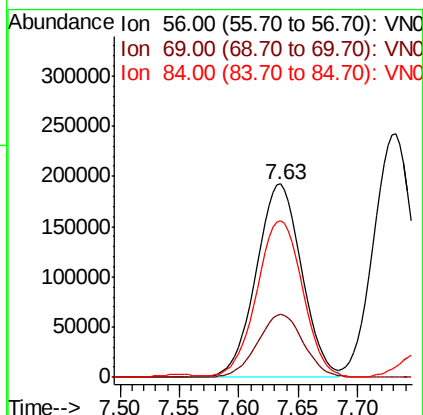
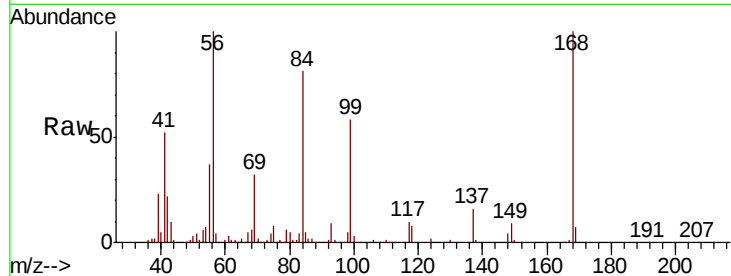




#31
Cyclohexane
Concen: 44.027 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

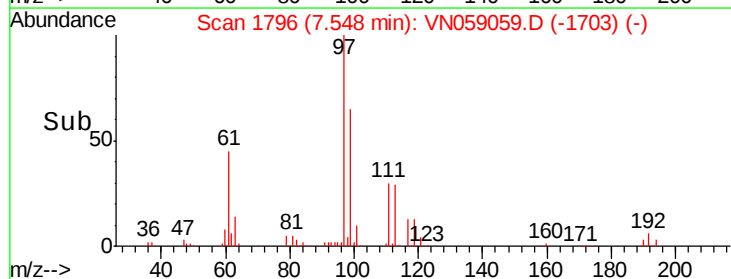
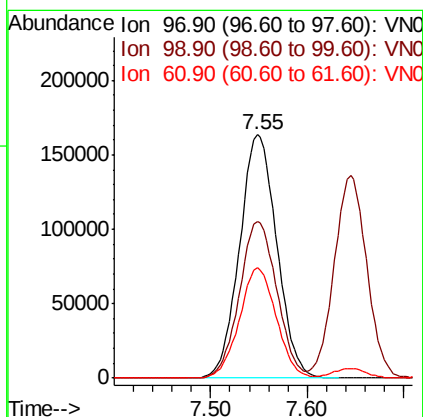
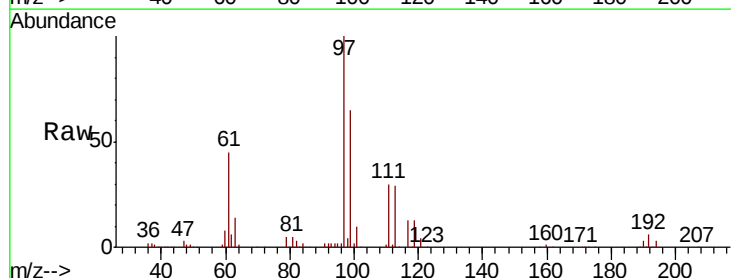
Instrument :
MSVOA_N
ClientSampled :

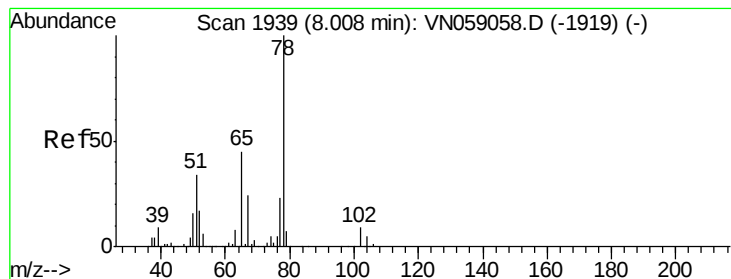
Tot Ion: 56 Resp: 510031
Ion Ratio Lower Upper
56 100
69 32.5 27.2 40.8
84 79.7 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 44.482 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion: 97 Resp: 437080
Ion Ratio Lower Upper
97 100
99 64.9 50.7 76.1
61 45.1 36.3 54.5





#33

1,2-Dichloroethane-d4

Concen: 47.516 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

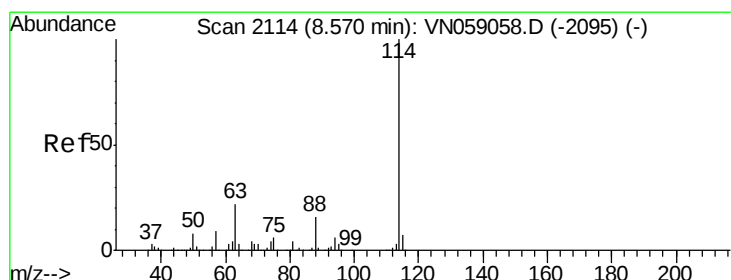
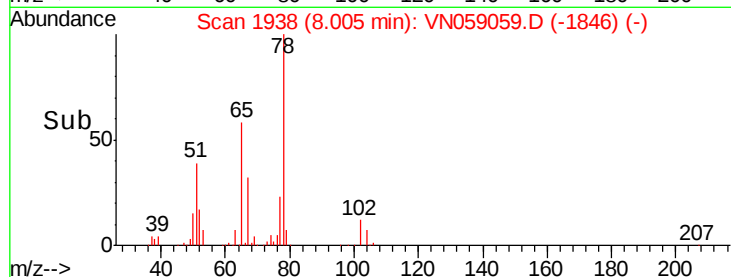
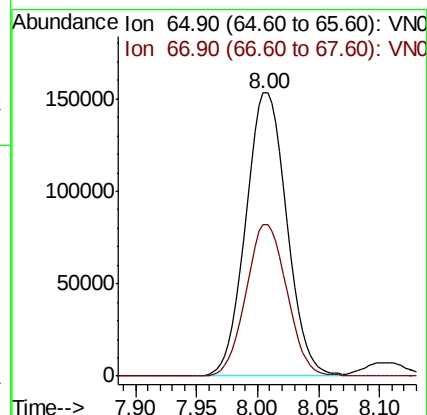
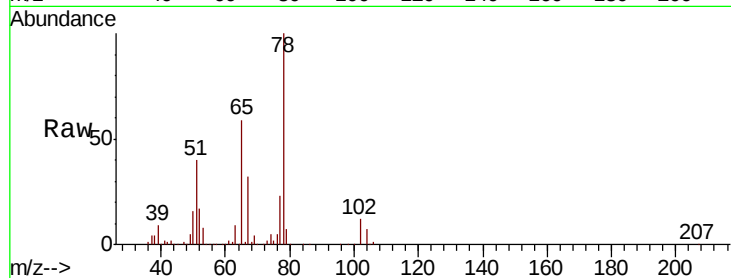
ClientSampleId :

Tot Ion: 65 Resp: 357319

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

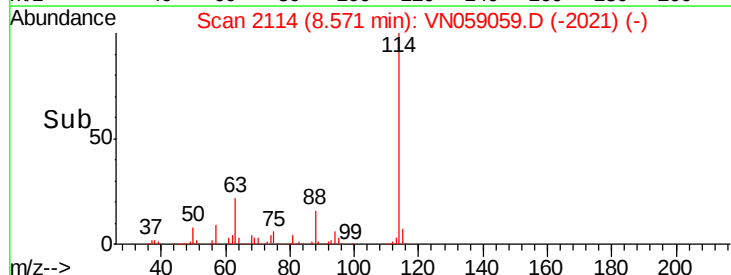
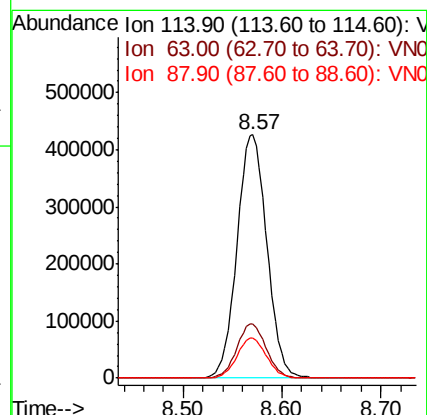
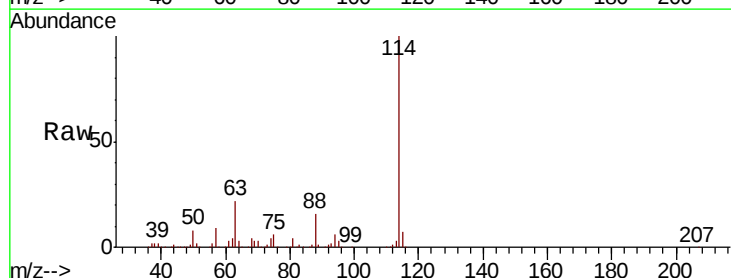
Tgt Ion: 114 Resp: 896872

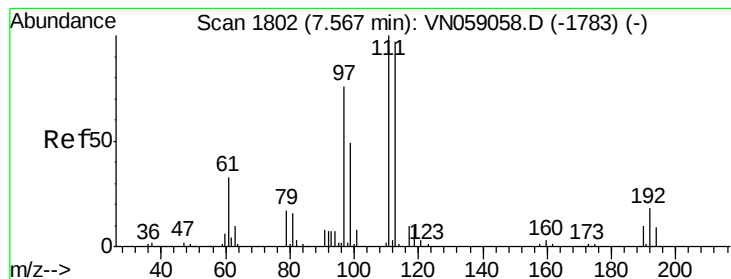
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.481 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :
MSVOA_N
ClientSampled :

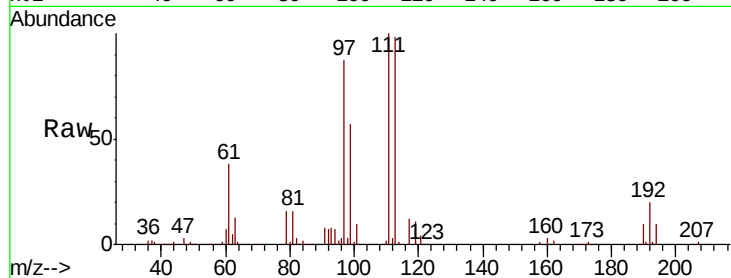
Tot Ion:113 Resp: 274722

Ion Ratio Lower Upper

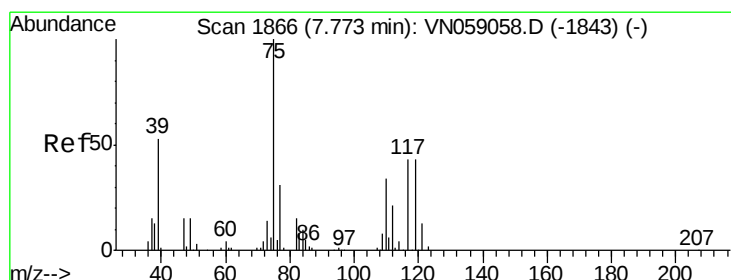
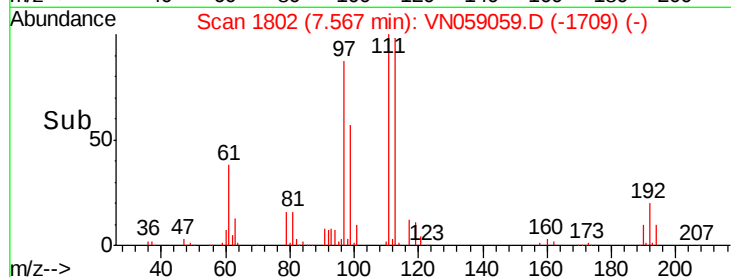
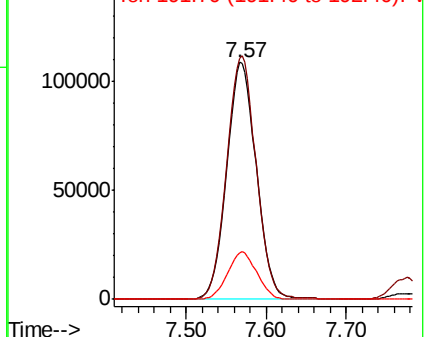
113 100

111 102.0 82.9 124.3

192 19.9 15.9 23.9



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: 44.787 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

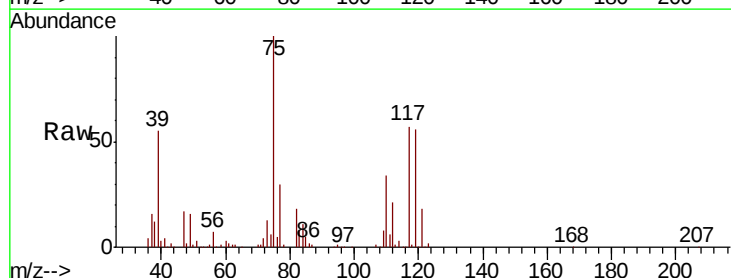
Tgt Ion: 75 Resp: 399229

Ion Ratio Lower Upper

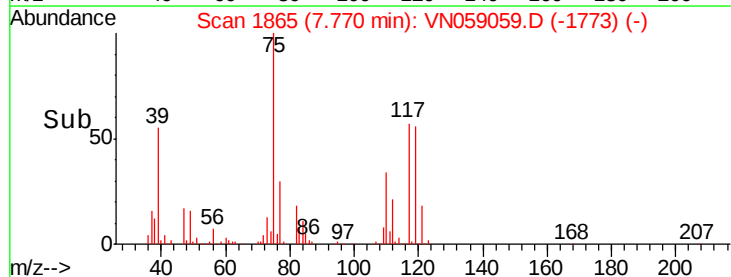
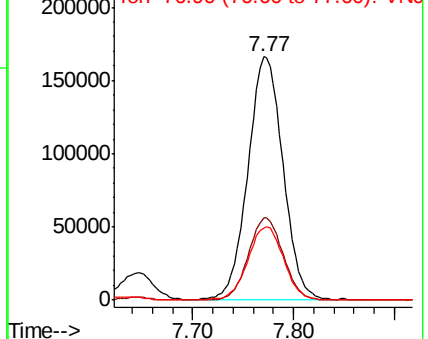
75 100

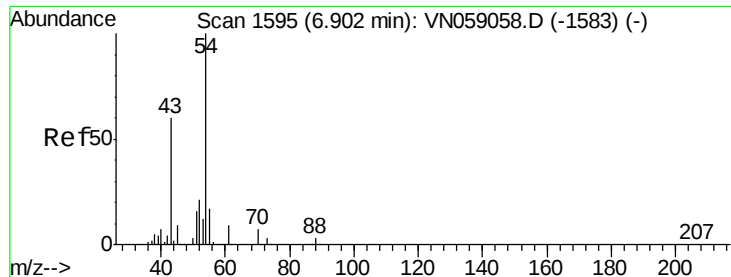
110 33.6 16.9 50.6

77 31.0 25.0 37.4



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

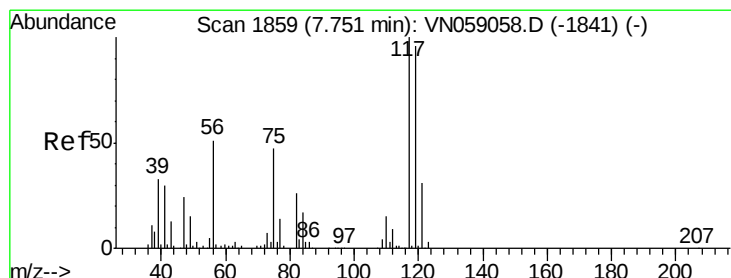
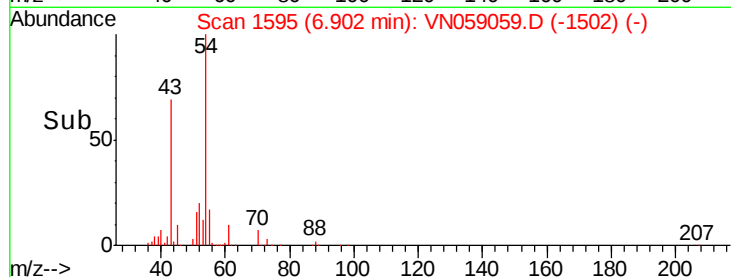
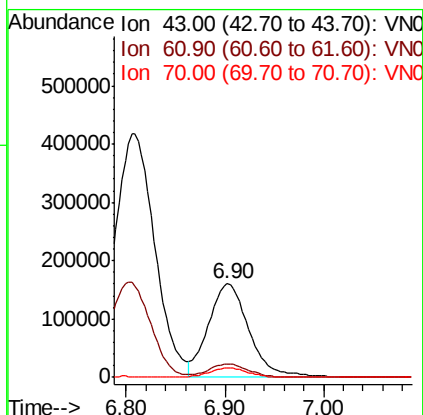
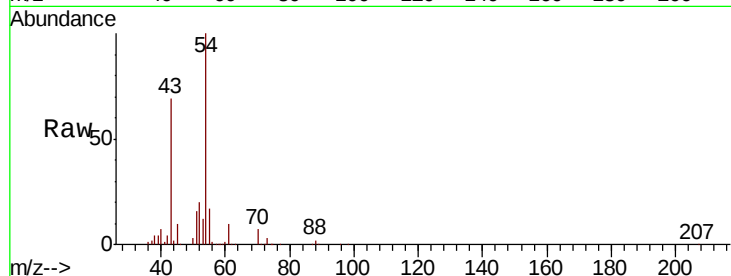




#37
Ethyl Acetate
Concen: 45.821 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

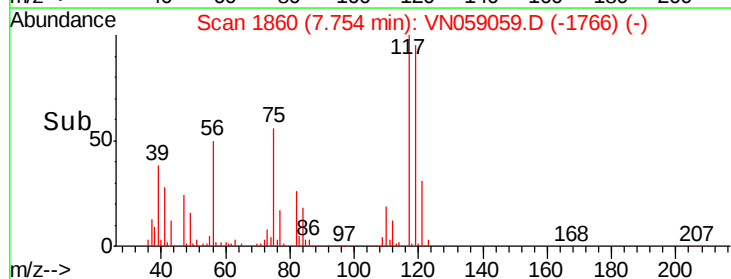
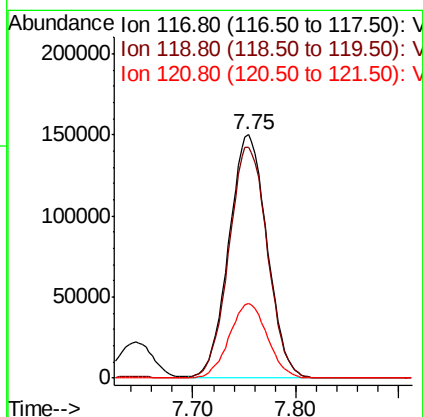
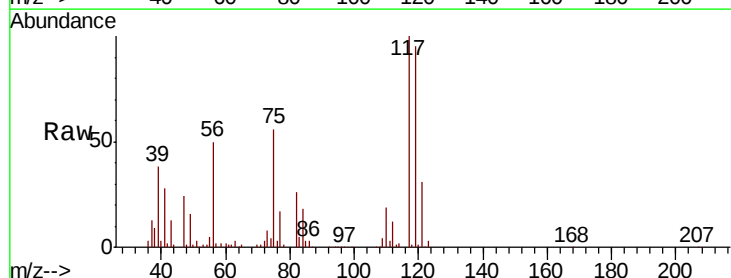
Instrument :
MSVOA_N
ClientSampled :

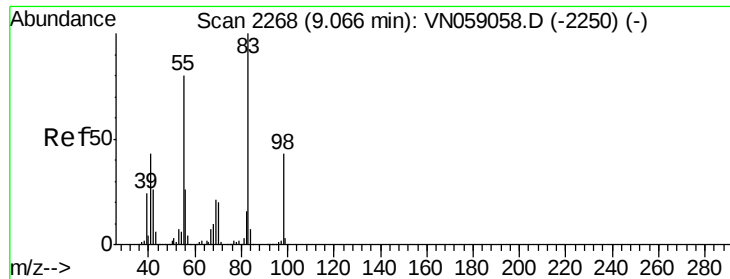
Tot Ion: 43 Resp: 453822
Ion Ratio Lower Upper
43 100
61 14.3 11.2 16.8
70 9.4 8.0 12.0



#38
Carbon Tetrachloride
Concen: 44.607 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion: 117 Resp: 387512
Ion Ratio Lower Upper
117 100
119 95.0 76.6 114.8
121 30.7 24.6 37.0

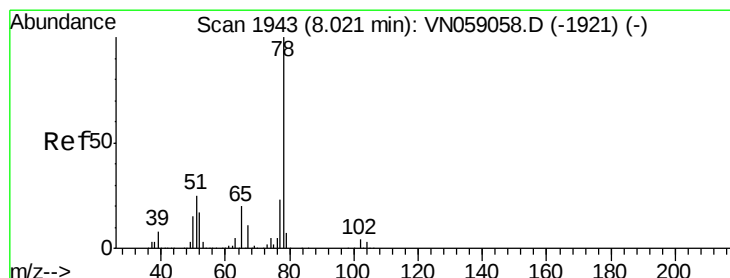
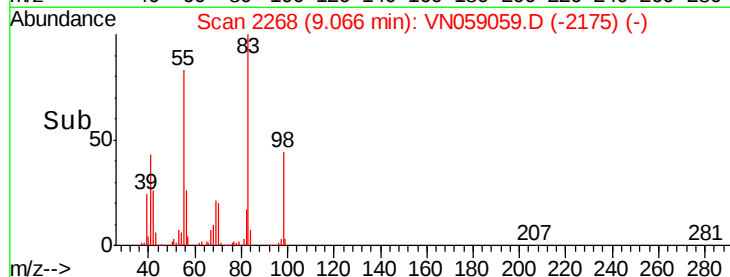
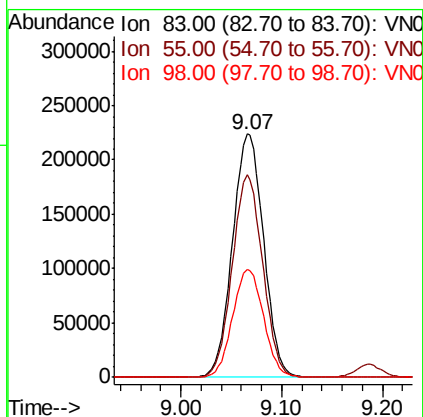
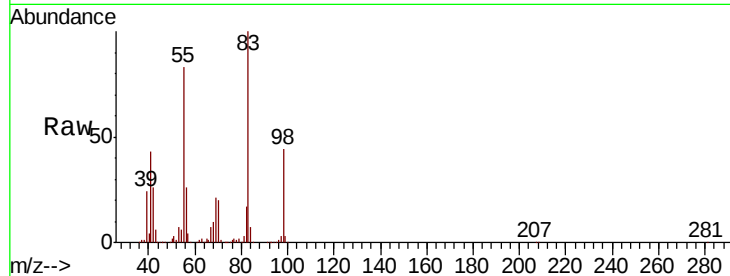




#39
Methvlcvclohexane
Concen: 46.501 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

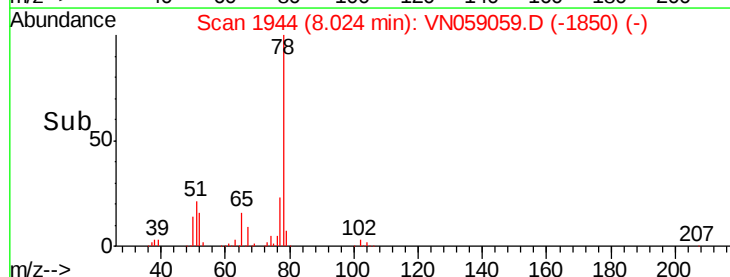
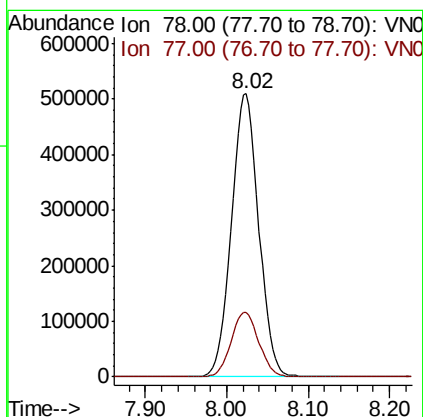
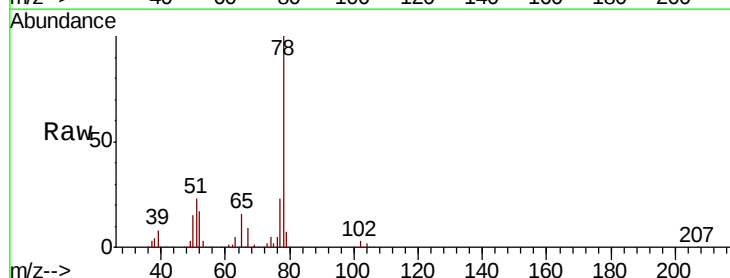
Instrument :
MSVOA_N
ClientSampleId :

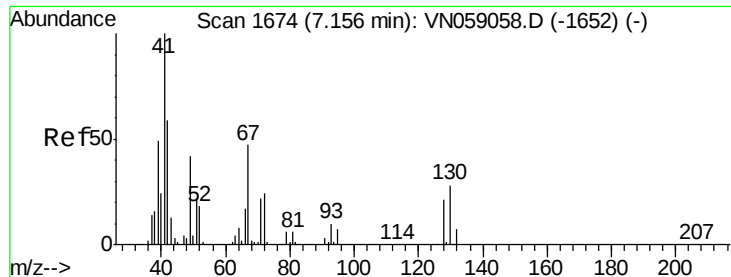
Tot Ion: 83 Resp: 479109
Ion Ratio Lower Upper
83 100
55 83.1 64.1 96.1
98 44.3 34.3 51.5



#40
Benzene
Concen: 44.841 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion: 78 Resp: 1186203
Ion Ratio Lower Upper
78 100
77 22.8 18.6 27.8

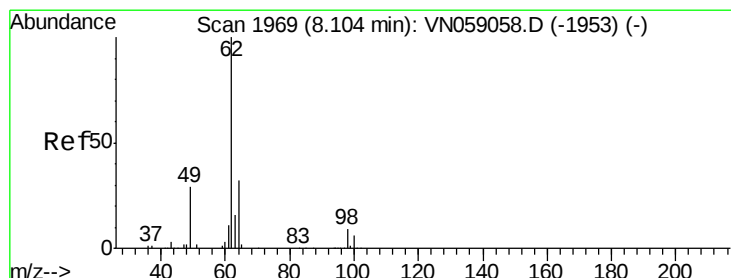
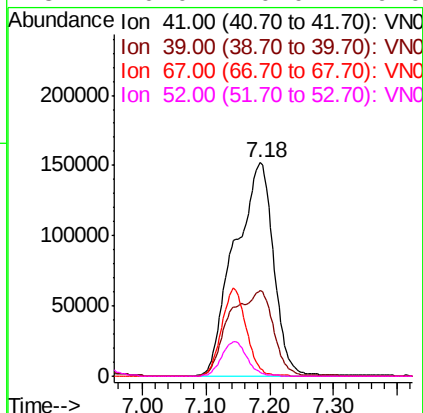
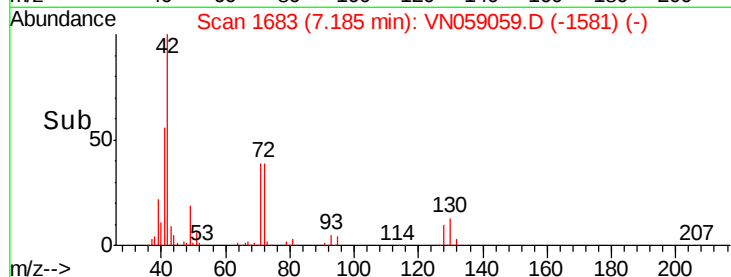
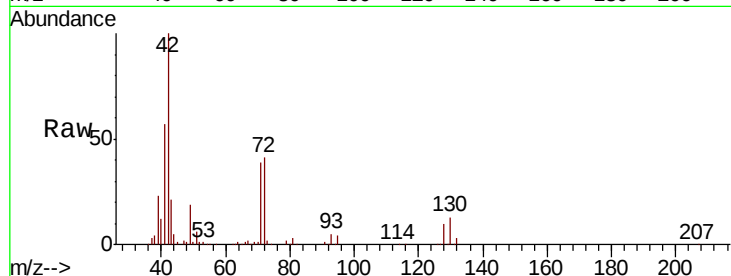




#41
Methacrylonitrile
Concen: 150.764 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

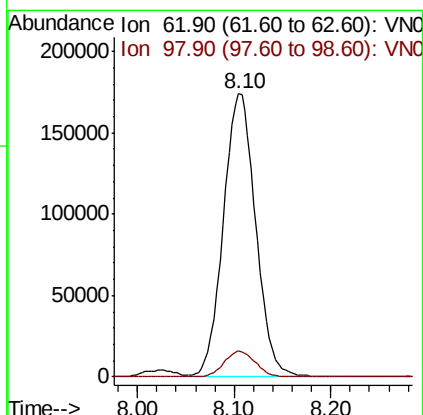
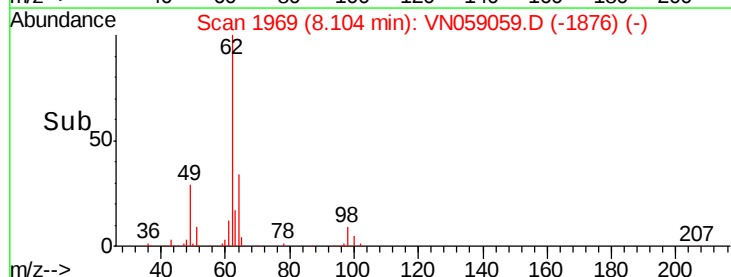
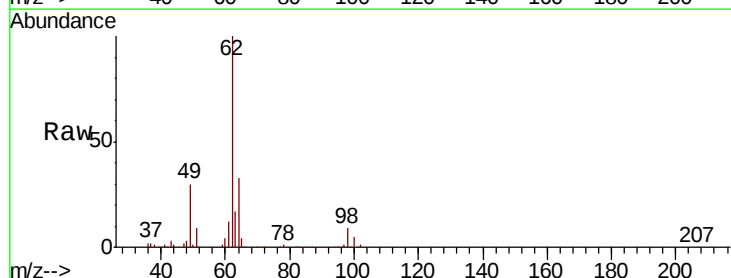
Instrument :
MSVOA_N
ClientSampled :

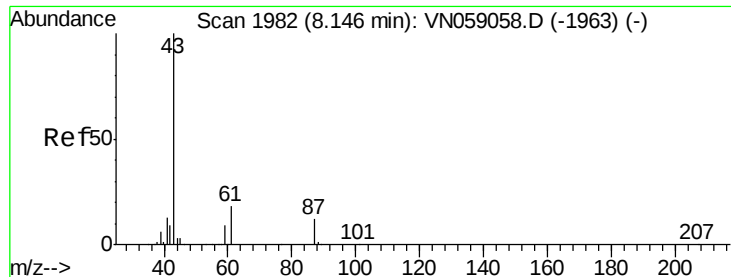
Tot Ion:	41	Resp:	645674
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 43.823 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion:	62	Resp:	402615
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.0

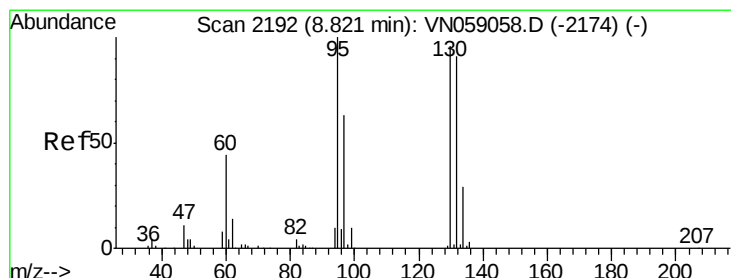
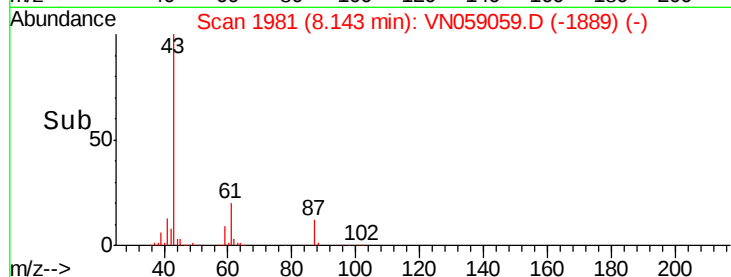
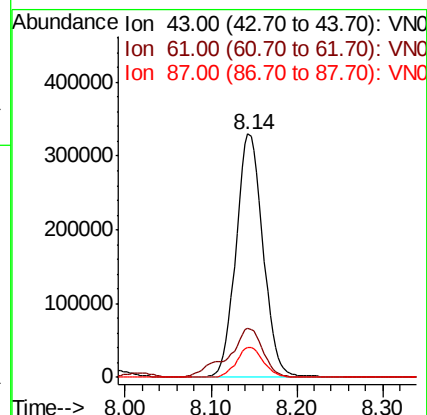
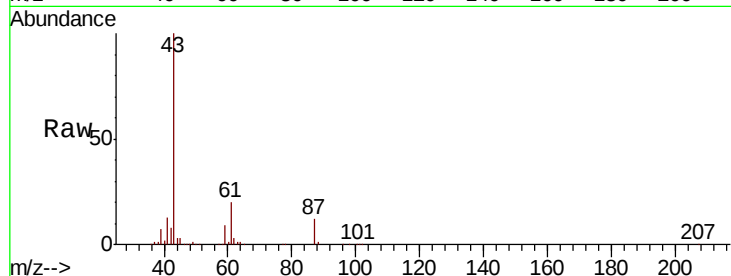




#43
Isopropyl Acetate
Concen: 46.246 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

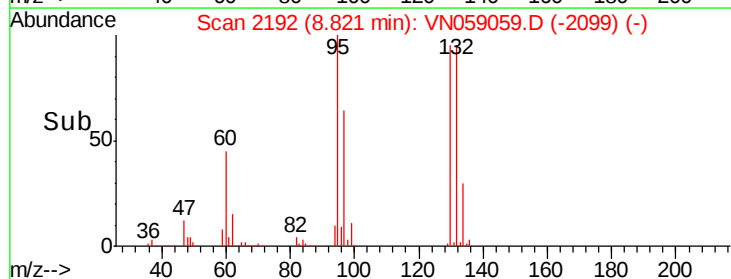
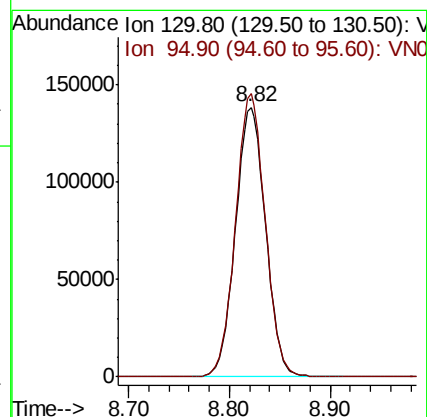
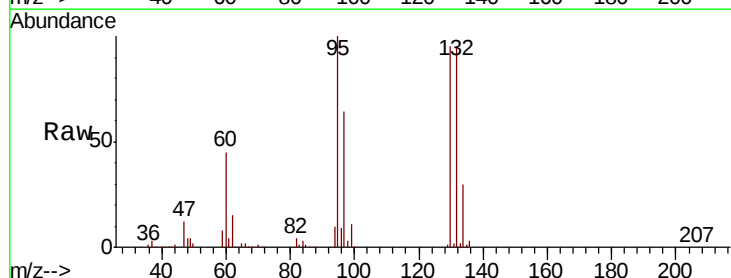
Instrument :
MSVOA_N
ClientSampleId :

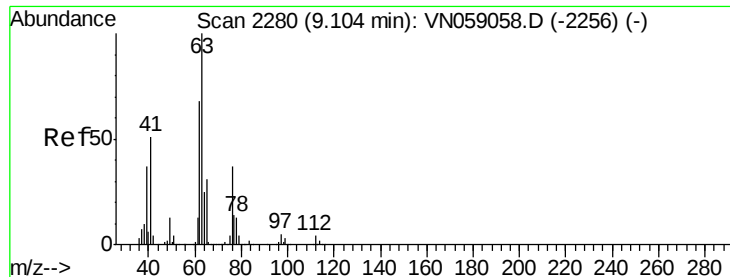
Tot Ion: 43 Resp: 716279
Ion Ratio Lower Upper
43 100
61 25.8 20.5 30.7
87 12.3 9.8 14.8



#44
Trichloroethene
Concen: 44.150 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion:130 Resp: 287359
Ion Ratio Lower Upper
130 100
95 104.9 0.0 207.6





#45

1,2-Dichloropropane

Concen: 44.757 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

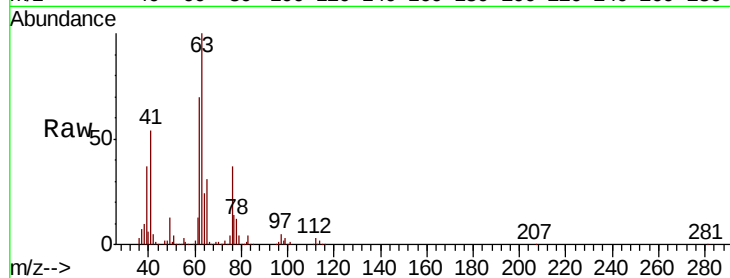
ClientSampleId :

Tot Ion: 63 Resp: 320206

Ion Ratio Lower Upper

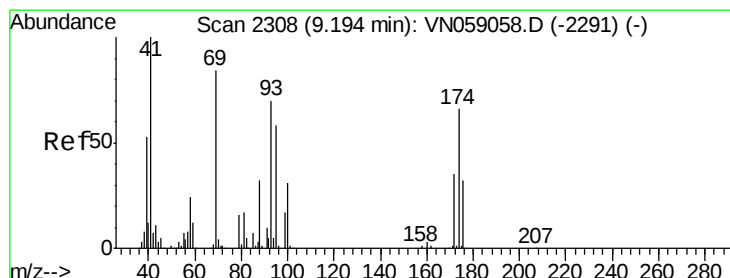
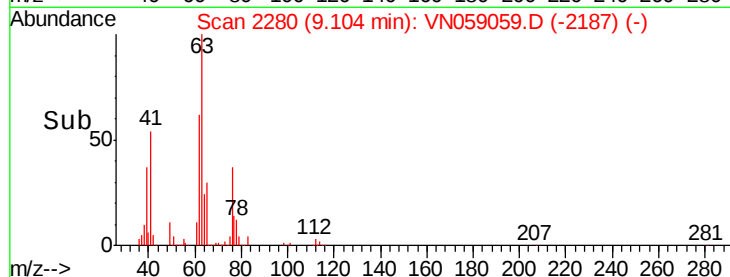
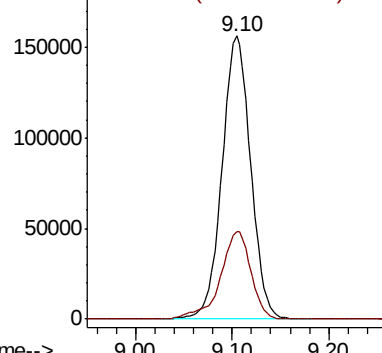
63 100

65 31.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 44.273 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

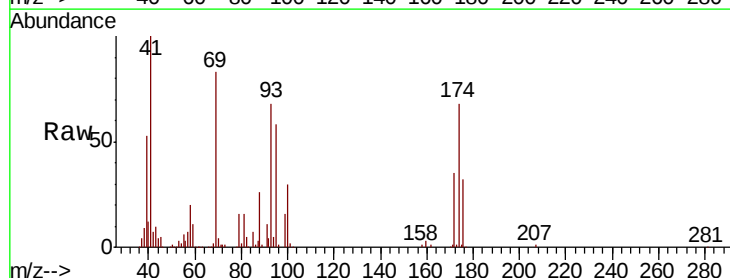
Tgt Ion: 93 Resp: 195761

Ion Ratio Lower Upper

93 100

95 84.0 67.2 100.8

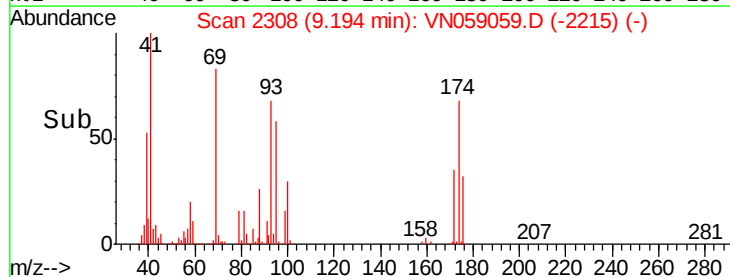
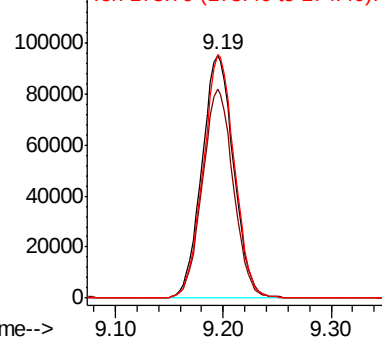
174 98.2 78.3 117.5

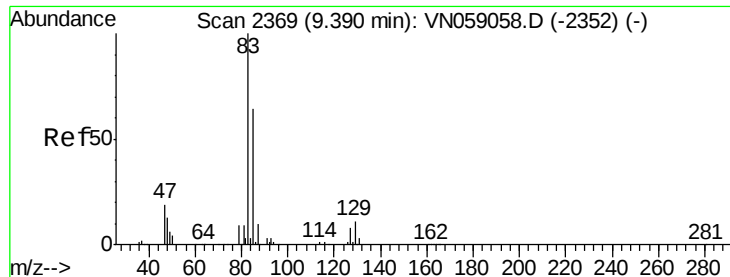


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 45.035 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :
MSVOA_N
ClientSampled :

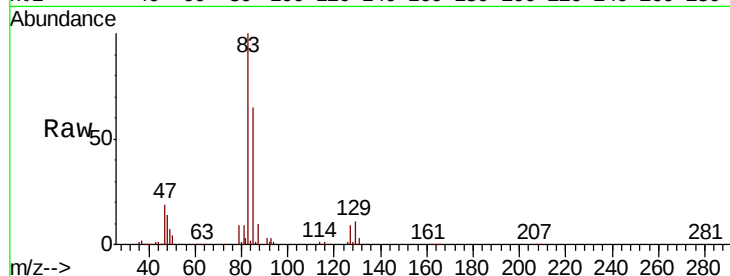
Tot Ion: 83 Resp: 403280

Ion Ratio Lower Upper

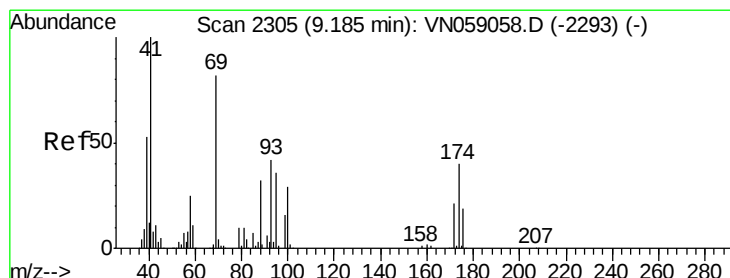
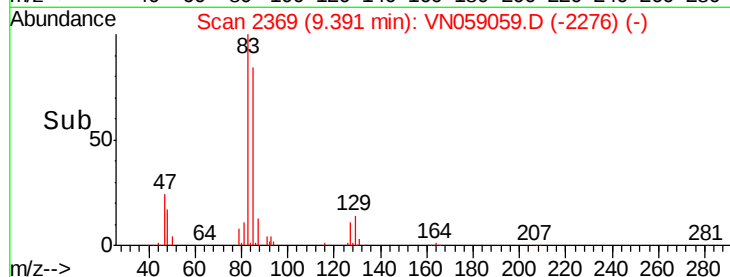
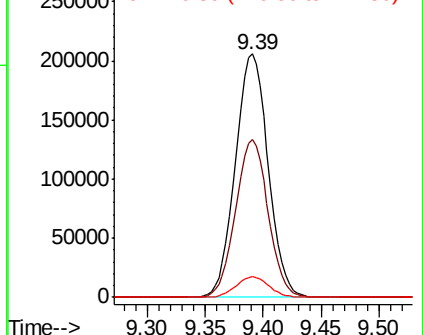
83 100

85 64.8 51.2 76.8

127 8.5 6.5 9.7



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): V



#48

Methyl methacrylate

Concen: 46.105 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

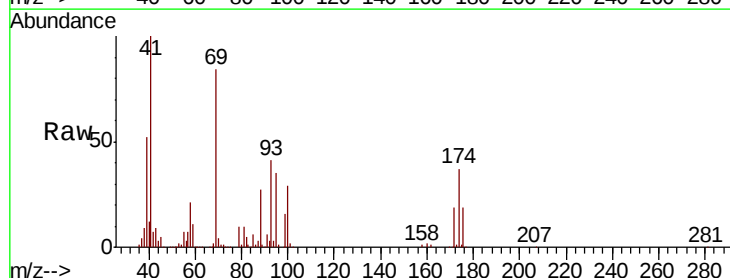
Tgt Ion: 41 Resp: 325593

Ion Ratio Lower Upper

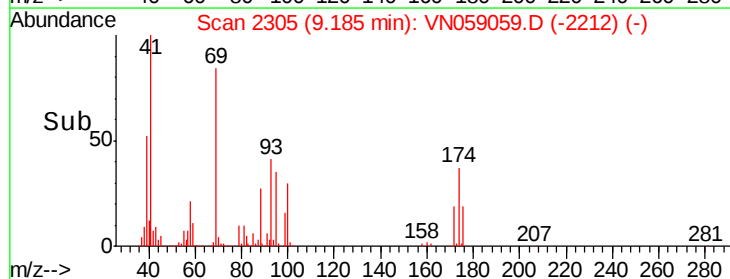
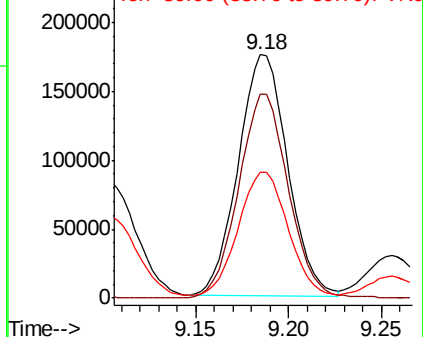
41 100

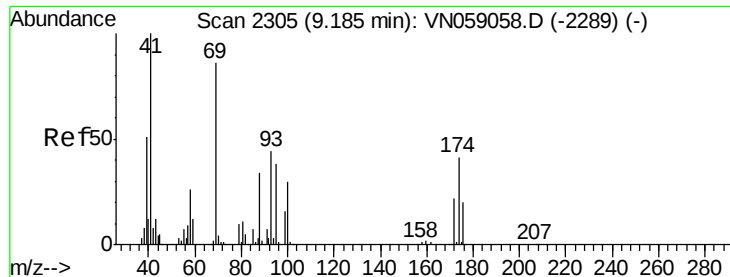
69 85.6 67.1 100.7

39 53.4 43.3 64.9



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

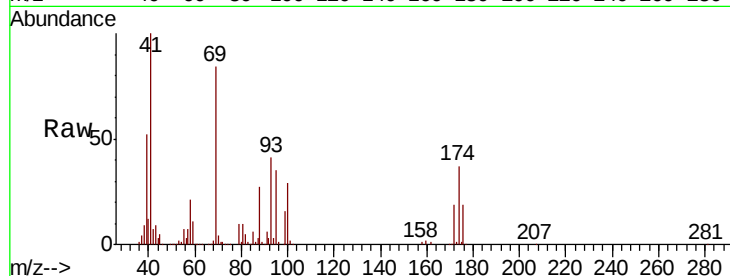




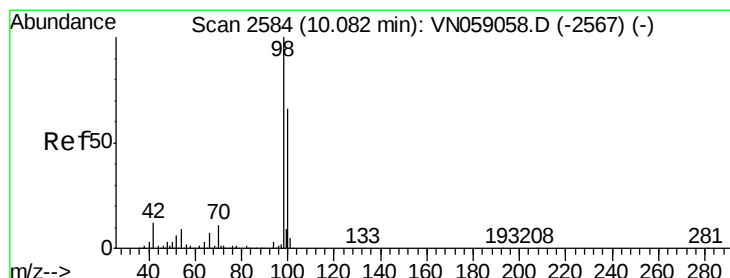
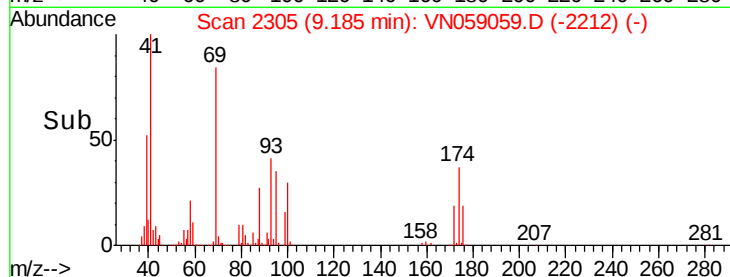
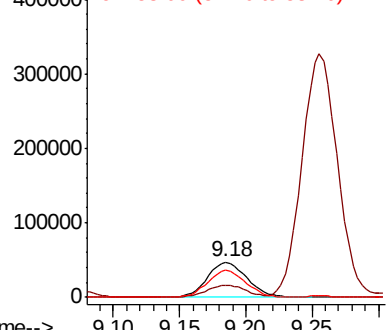
#49
1,4-Dioxane
Concen: 849.787 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 97894
Ion Ratio Lower Upper
88 100
43 33.1 26.2 39.2
58 74.7 59.1 88.7

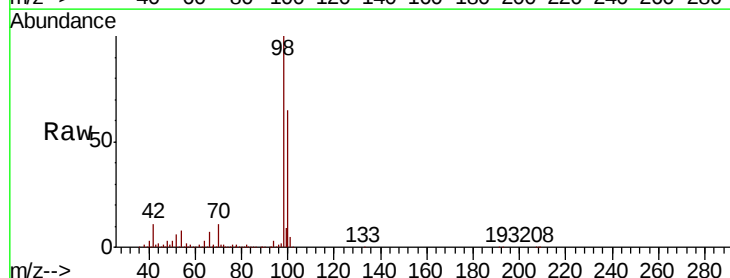


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

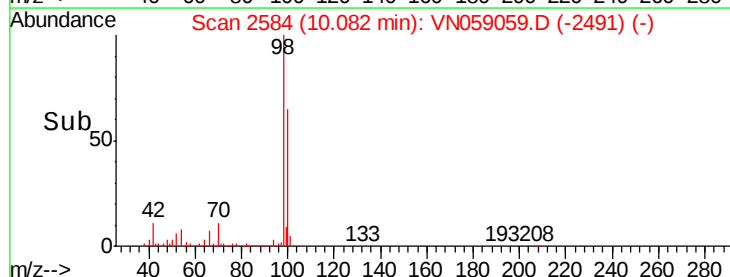
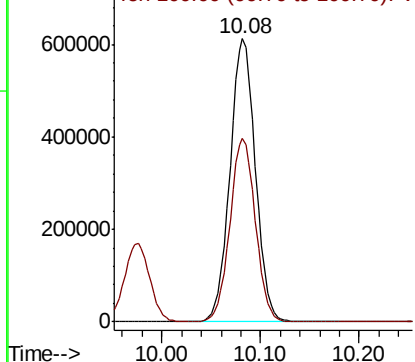


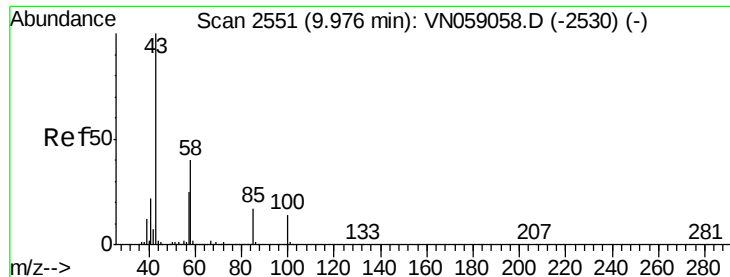
#50
Toluene-d8
Concen: 48.764 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion: 98 Resp: 1098470
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



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

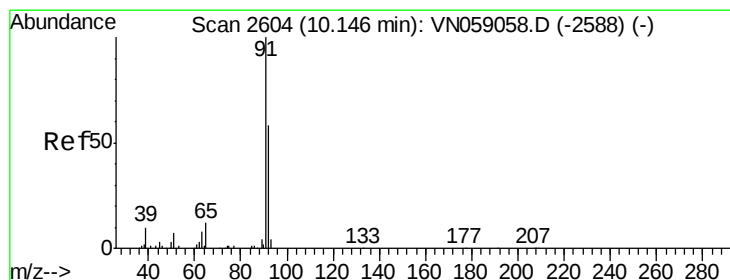
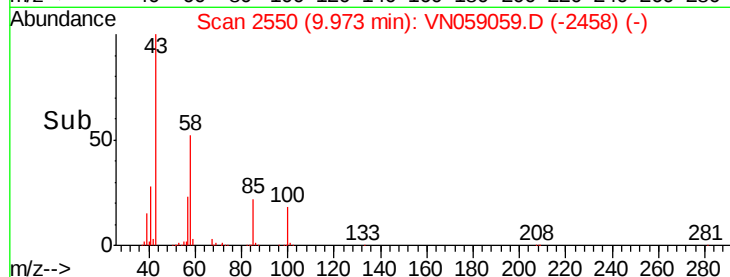
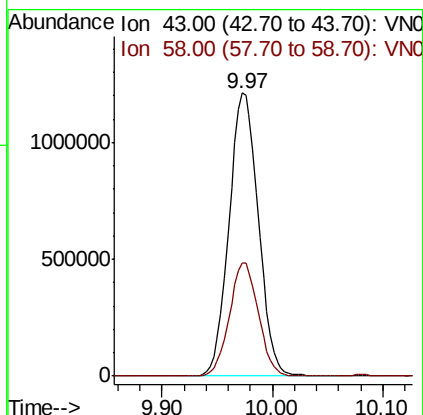
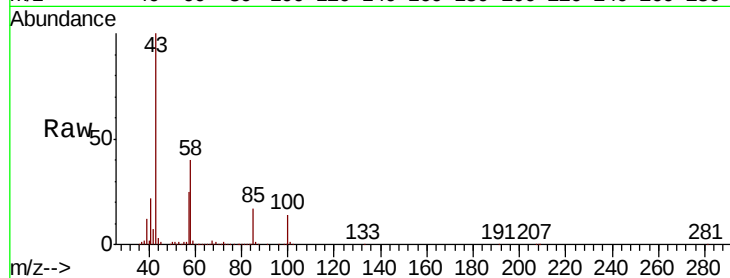




#51
4-Methyl-2-Pentanone
Concen: 248.131 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

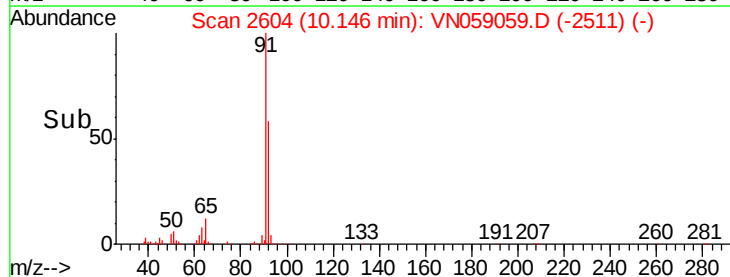
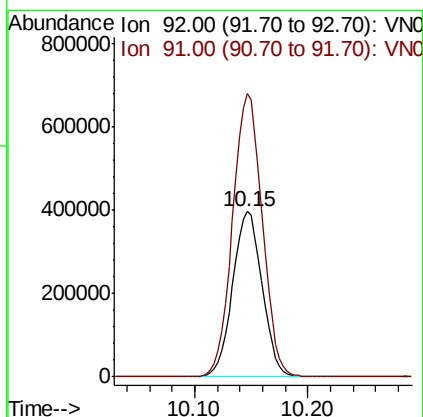
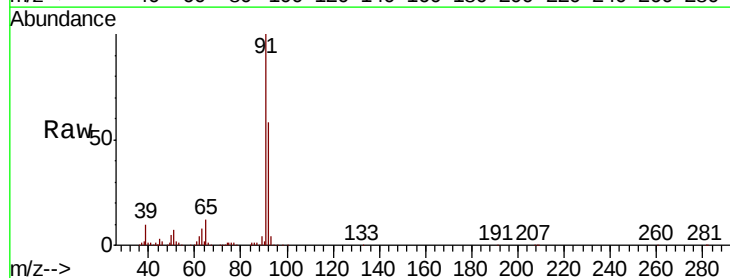
Instrument :
MSVOA_N
ClientSampled :

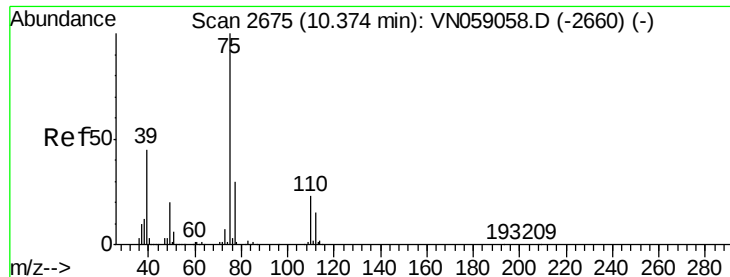
Tot Ion: 43 Resp: 2232540
Ion Ratio Lower Upper
43 100
58 39.4 31.8 47.6



#52
Toluene
Concen: 46.497 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion: 92 Resp: 720711
Ion Ratio Lower Upper
92 100
91 172.8 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 45.680 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

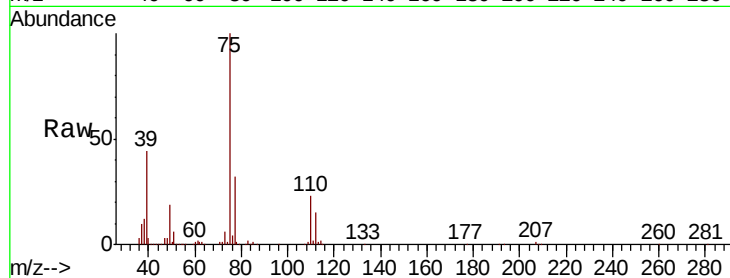
ClientSampled :

Tot Ion: 75 Resp: 473001

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

250000

200000

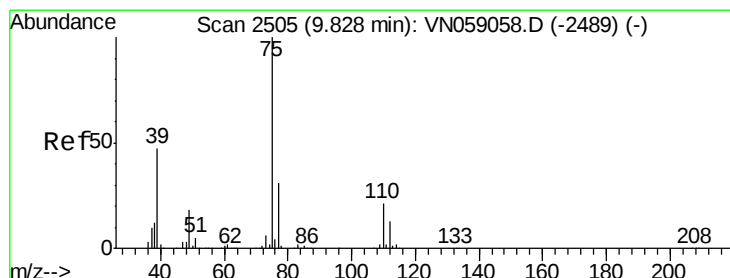
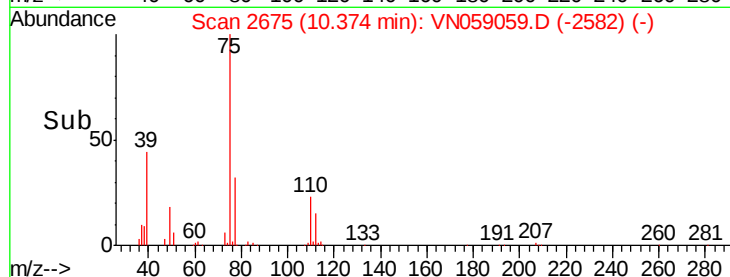
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.614 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

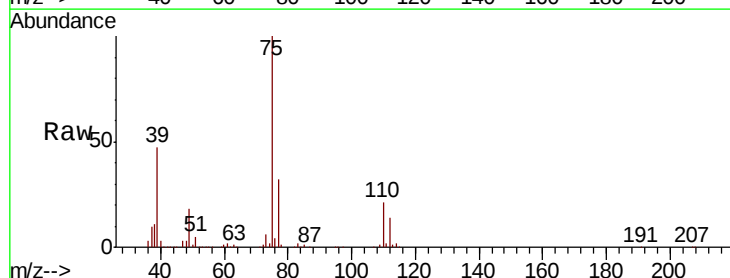
Tgt Ion: 75 Resp: 509115

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0

39 46.8 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

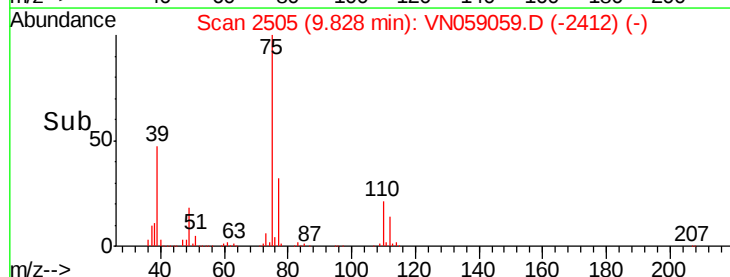
300000

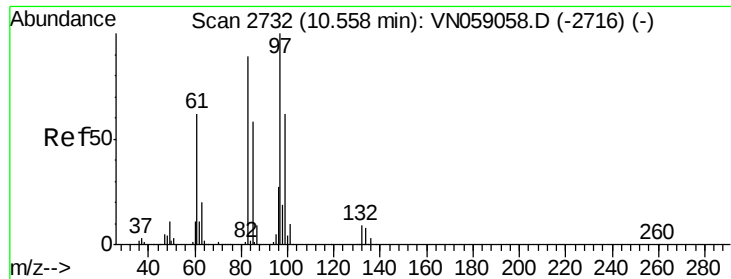
200000

100000

0

Time-->

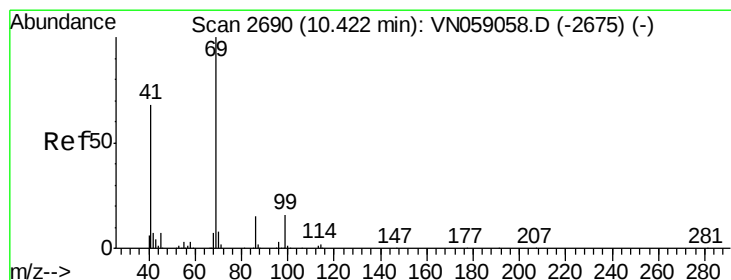
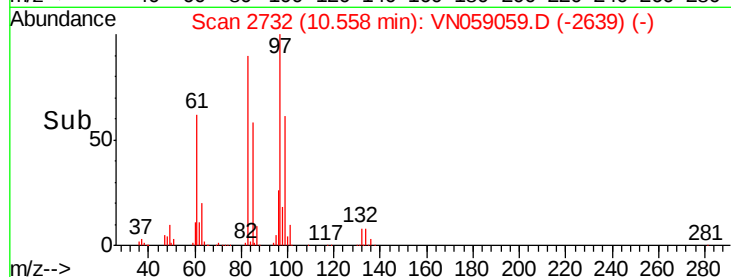
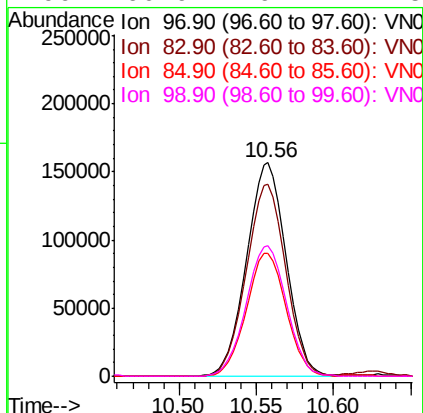
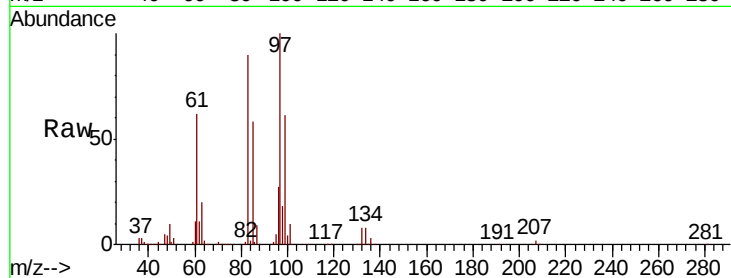




#55
 1,1,2-Trichloroethane
 Concen: 44.227 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059059.D
 Acq: 1 Nov 2019 13:21

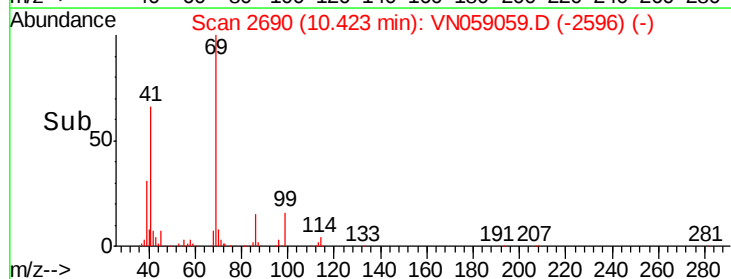
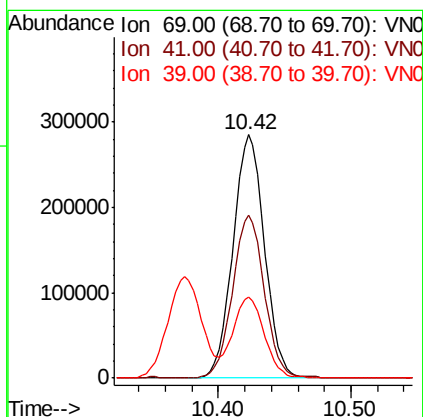
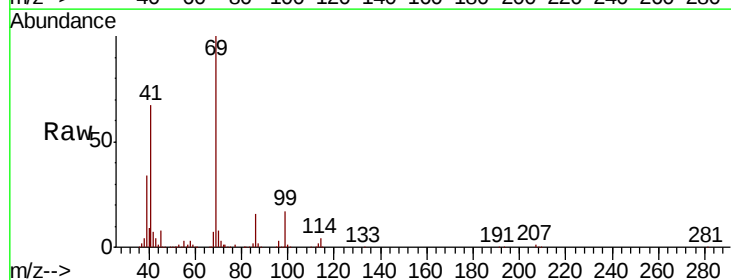
Instrument :
 MSVOA_N
 ClientSampled :

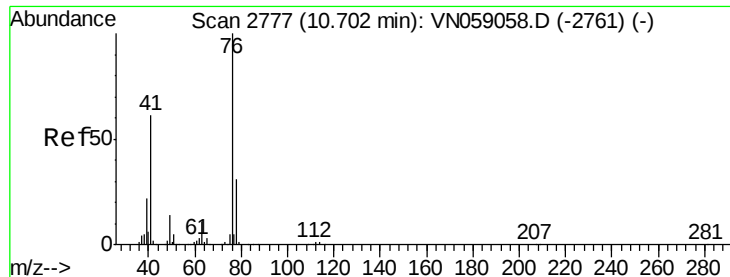
Tot Ion	97	Resp	279255
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.4	107.2
85	57.6	46.6	70.0
99	60.9	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 44.221 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059059.D
 Acq: 1 Nov 2019 13:21

Tgt Ion	69	Resp	471303
Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.8	80.8
39	33.2	26.2	39.2





#57

1,3-Dichloropropane

Concen: 45.487 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

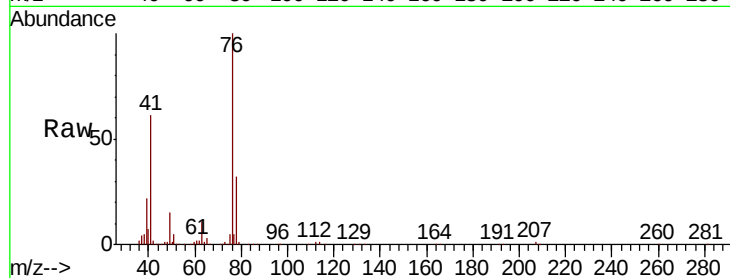
ClientSampleId :

Tot Ion: 76 Resp: 499497

Ion Ratio Lower Upper

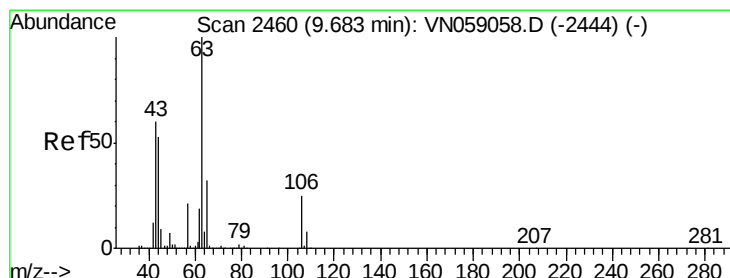
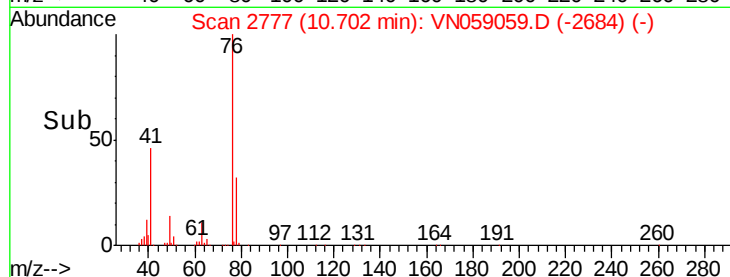
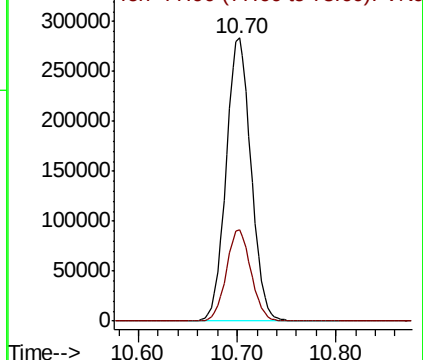
76 100

78 32.0 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 233.018 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059059.D

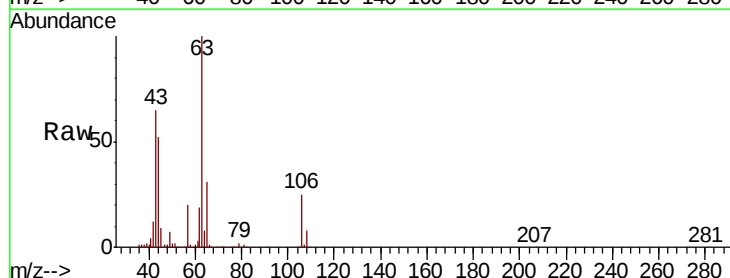
Acq: 1 Nov 2019 13:21

Tgt Ion: 63 Resp: 964915

Ion Ratio Lower Upper

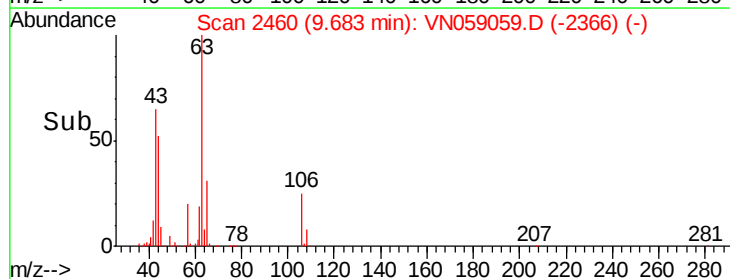
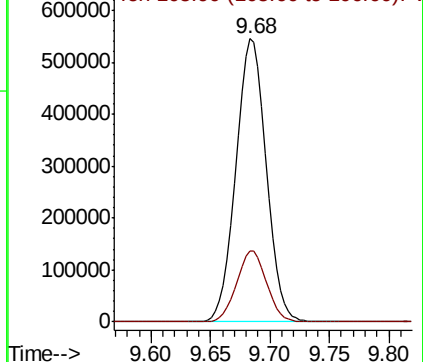
63 100

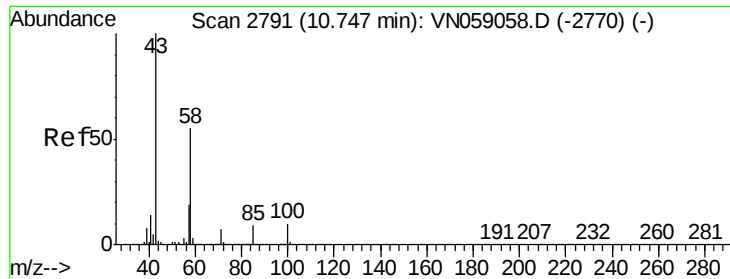
106 24.8 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

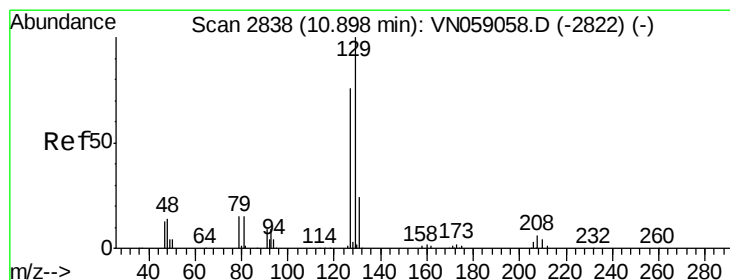
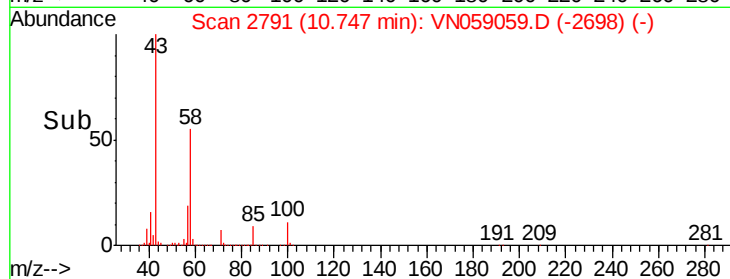
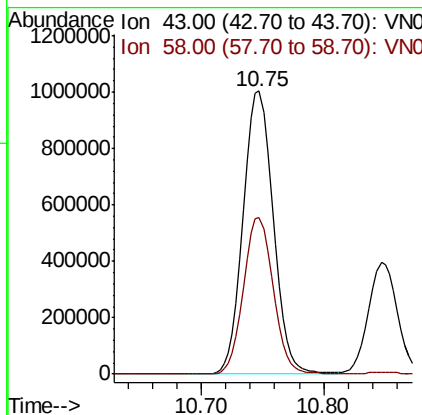
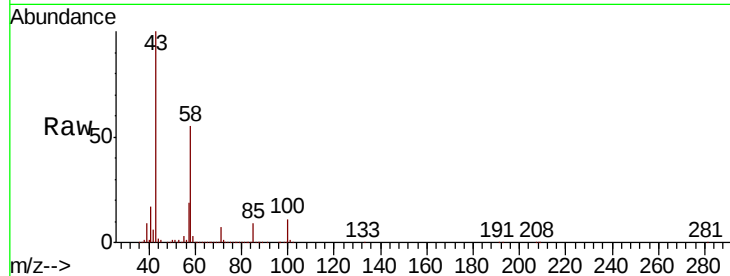




#59
2-Hexanone
Concen: 249.887 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

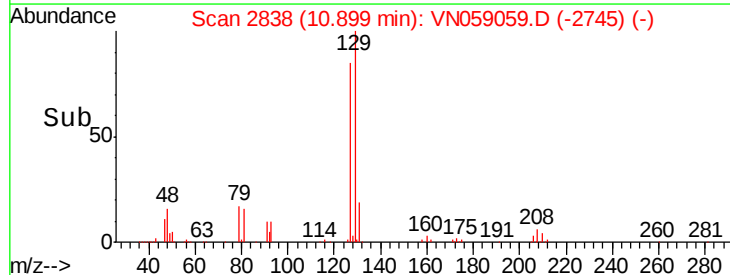
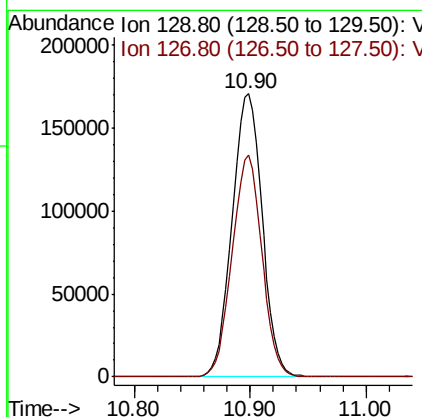
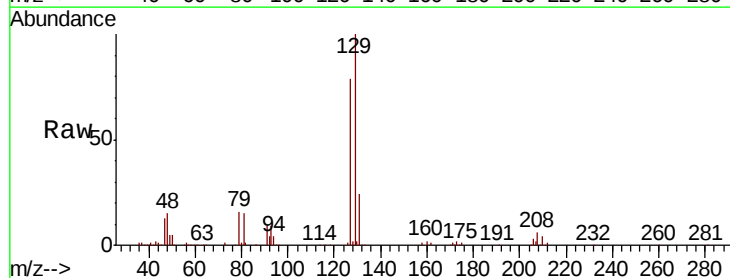
Instrument :
MSVOA_N
ClientSampled :

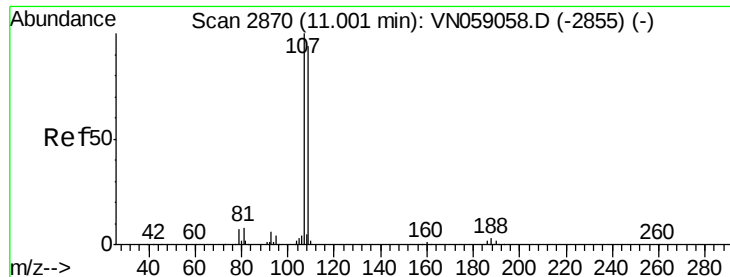
Tot Ion: 43 Resp: 1708058
Ion Ratio Lower Upper
43 100
58 54.6 27.4 82.2



#60
Dibromochloromethane
Concen: 45.048 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion: 129 Resp: 306536
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 46.257 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

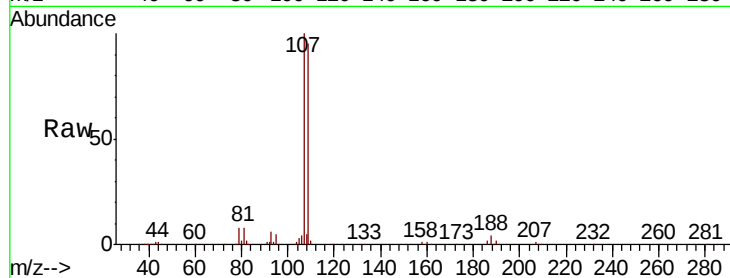
ClientSampleId :

Tot Ion: 107 Resp: 295888

Ion Ratio Lower Upper

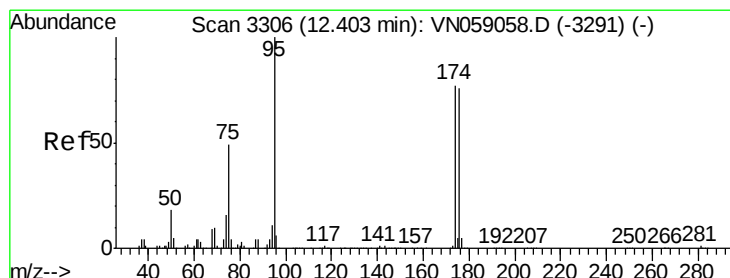
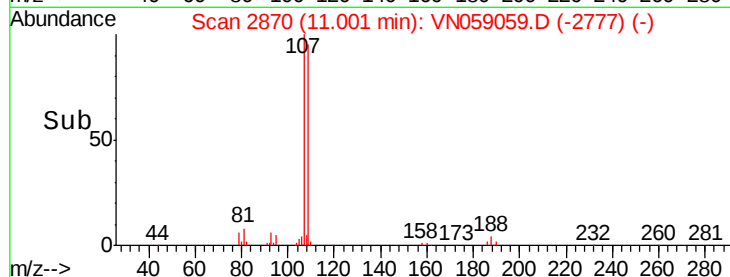
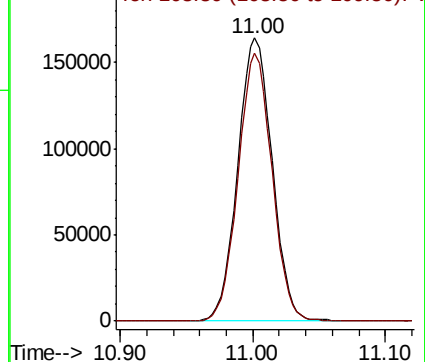
107 100

109 93.2 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.189 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

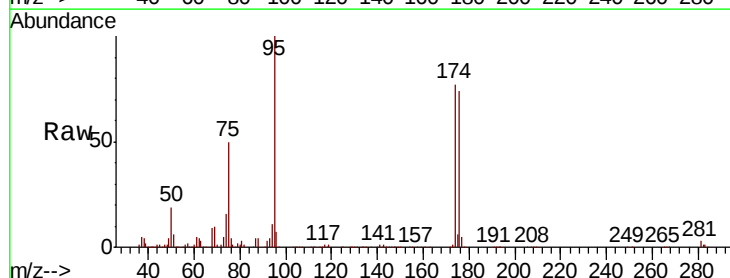
Tgt Ion: 95 Resp: 398309

Ion Ratio Lower Upper

95 100

174 77.7 0.0 155.8

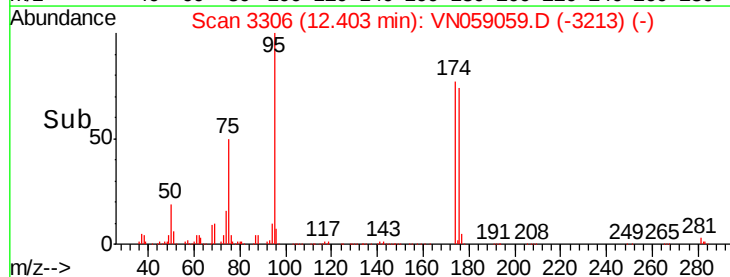
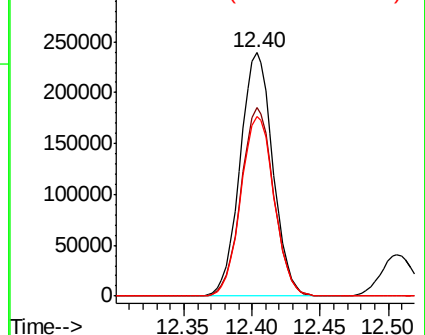
176 75.2 0.0 151.6

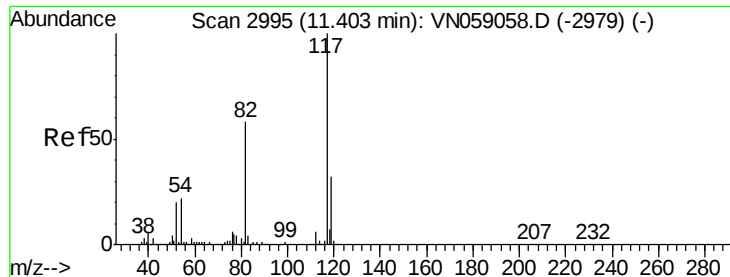


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

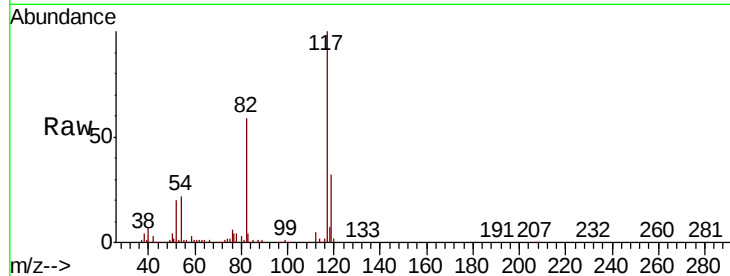




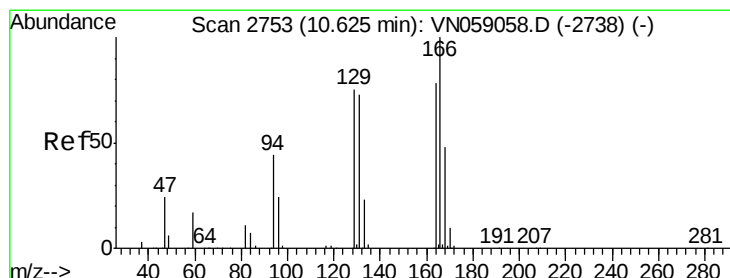
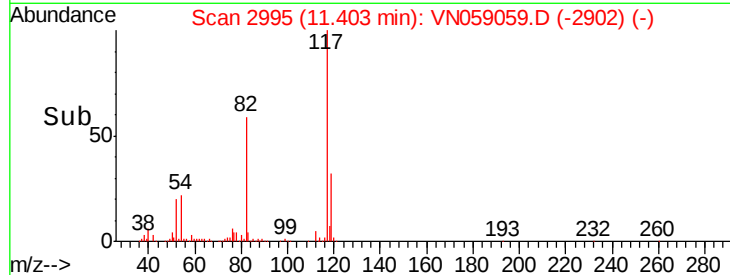
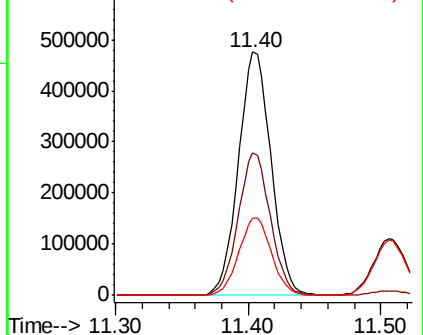
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 813229
Ion Ratio Lower Upper
117 100
82 58.7 46.0 69.0
119 31.6 25.6 38.4

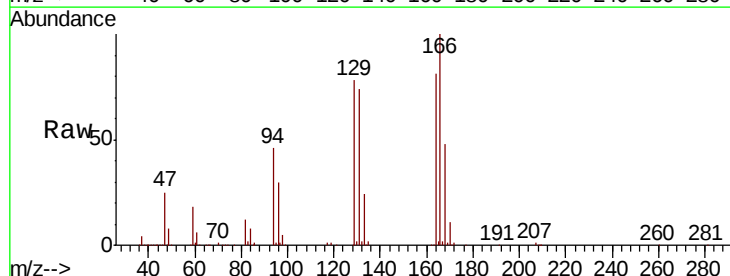


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

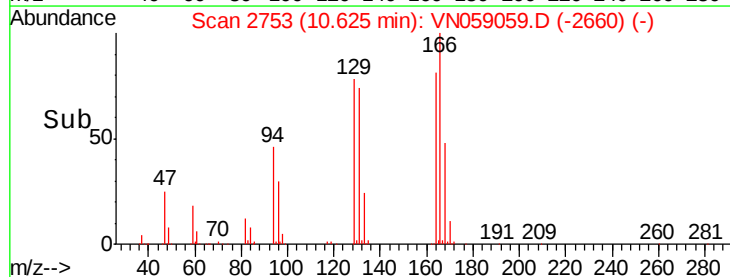
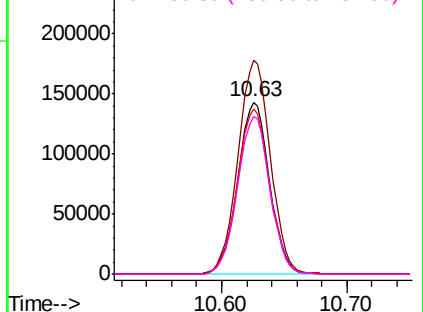


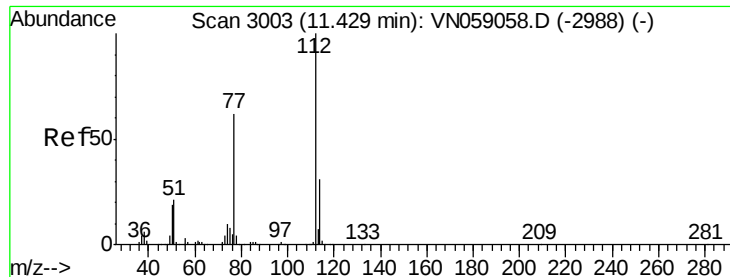
#64
Tetrachloroethene
Concen: 44.475 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion:164 Resp: 252655
Ion Ratio Lower Upper
164 100
166 124.2 102.7 154.1
129 96.3 77.3 115.9
131 91.5 74.8 112.2



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

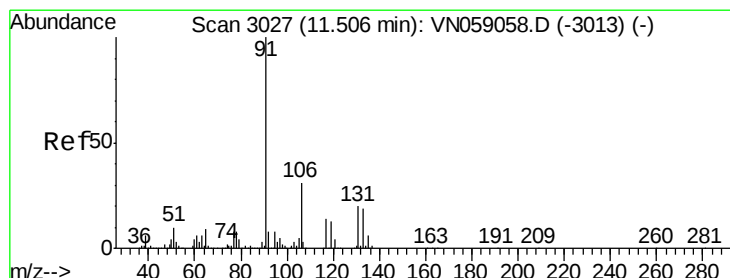
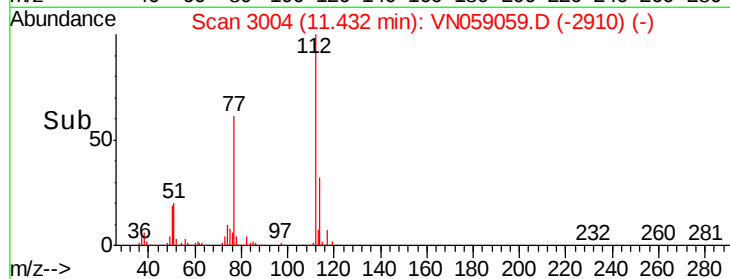
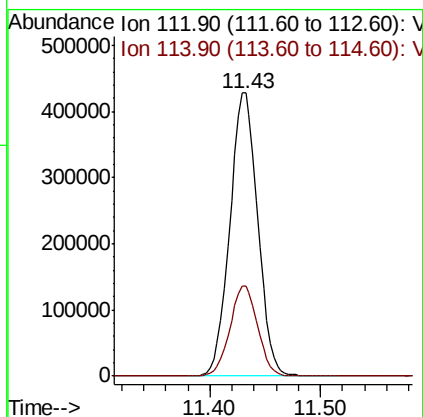
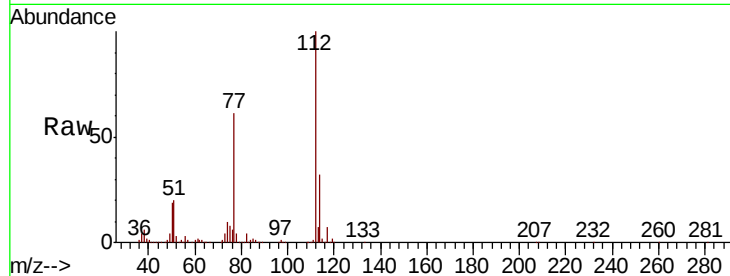




#65
Chlorobenzene
Concen: 44.895 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

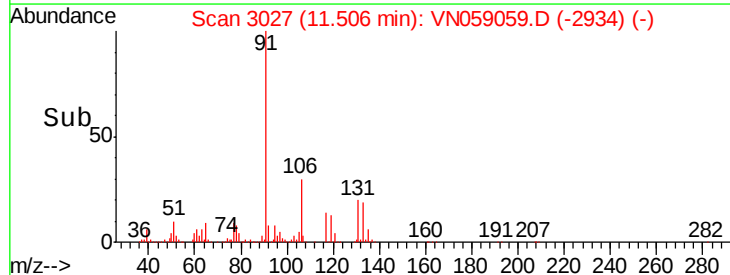
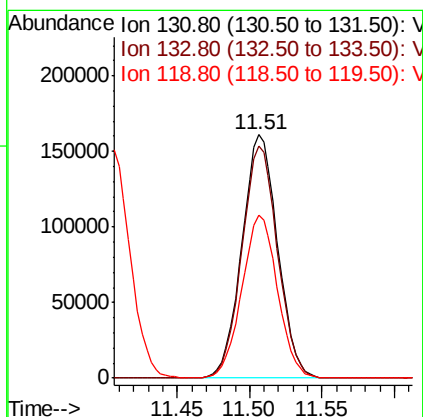
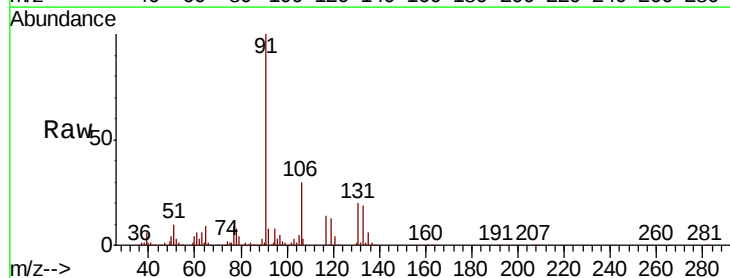
Instrument :
MSVOA_N
ClientSampled :

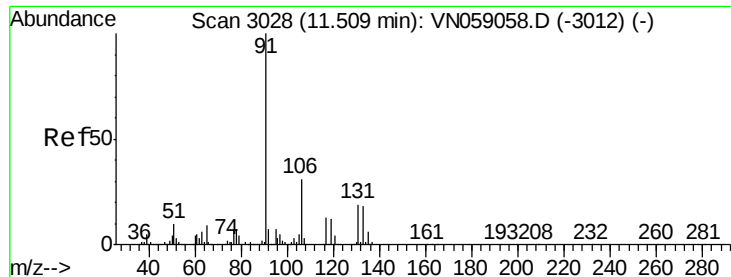
Tot Ion:112 Resp: 749330
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 45.021 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion:131 Resp: 276463
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.6
119 66.9 33.5 100.5





#67

Ethyl Benzene

Concen: 48.005 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

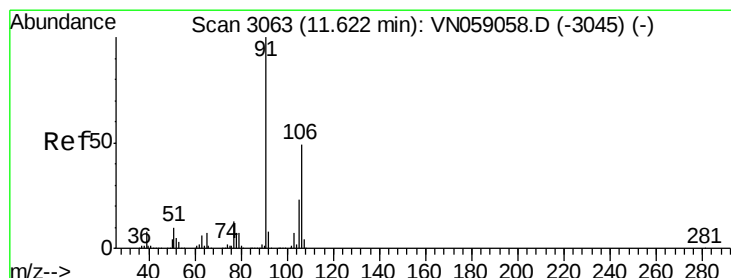
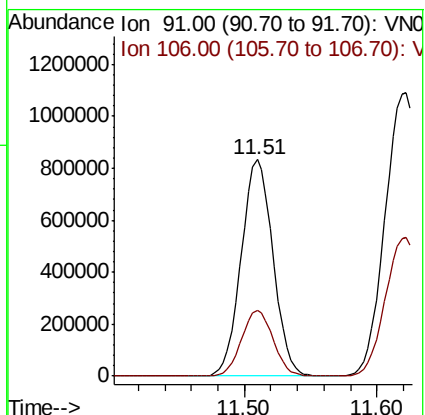
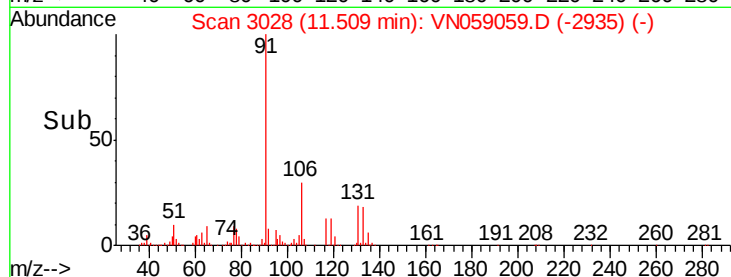
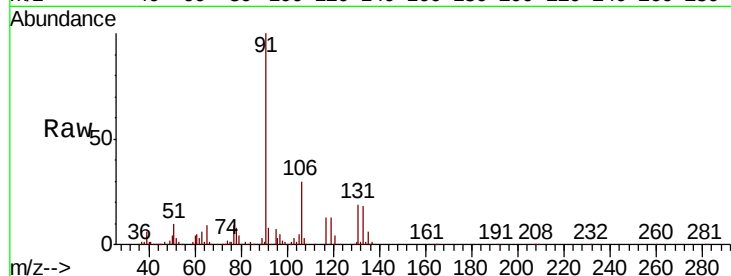
ClientSampleId :

Tot Ion: 91 Resp: 1387036

Ion Ratio Lower Upper

91 100

106 30.4 24.6 36.8



#68

m/p-Xylenes

Concen: 95.248 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059059.D

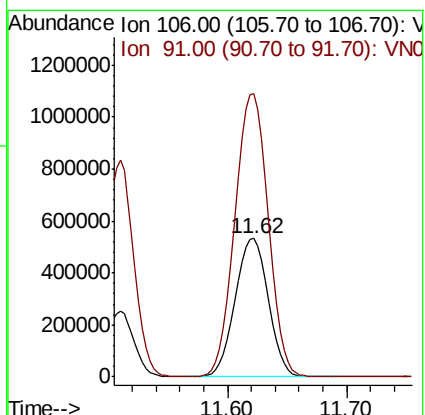
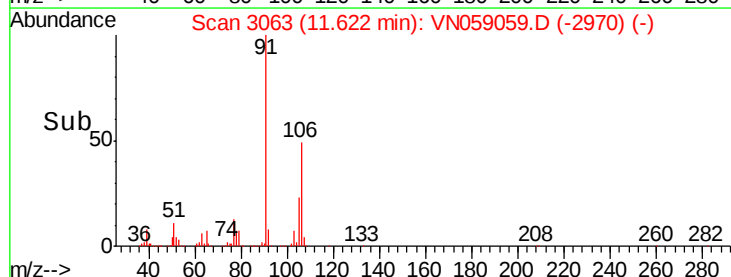
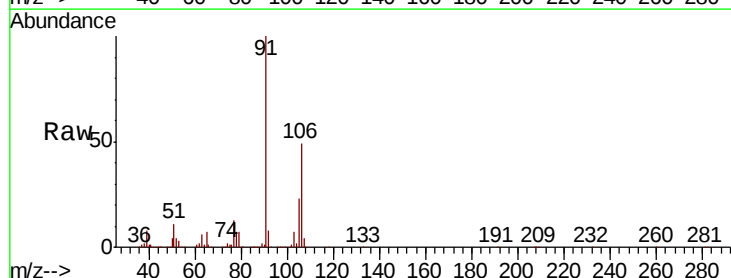
Acq: 1 Nov 2019 13:21

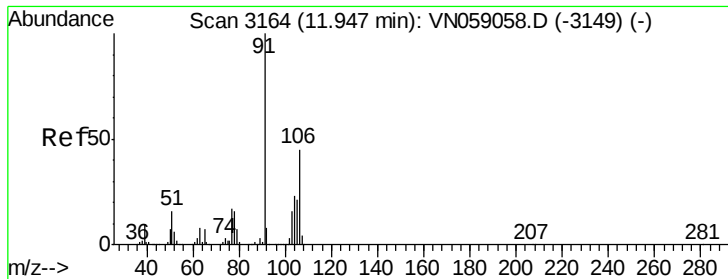
Tgt Ion: 106 Resp: 1027647

Ion Ratio Lower Upper

106 100

91 205.9 165.7 248.5

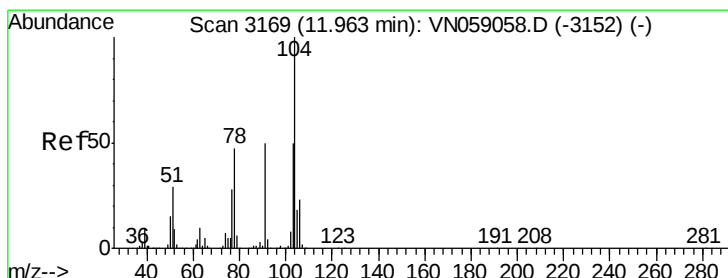
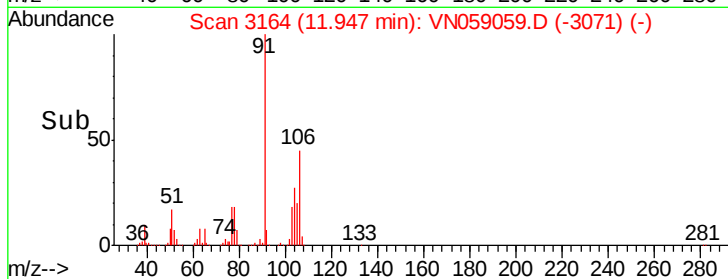
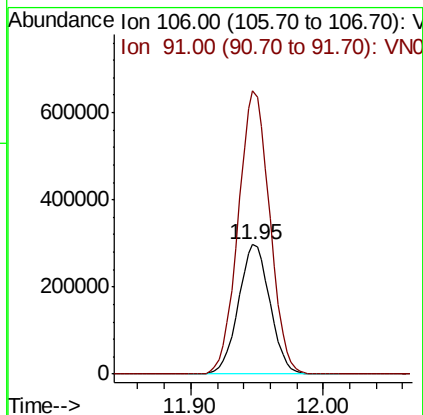
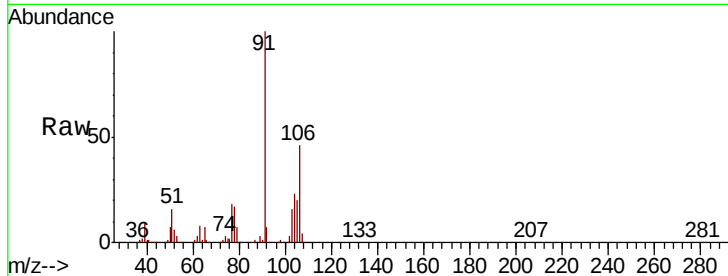




#69
o-Xylene
Concen: 47.435 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

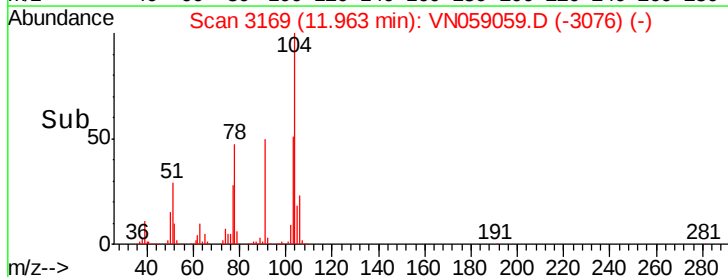
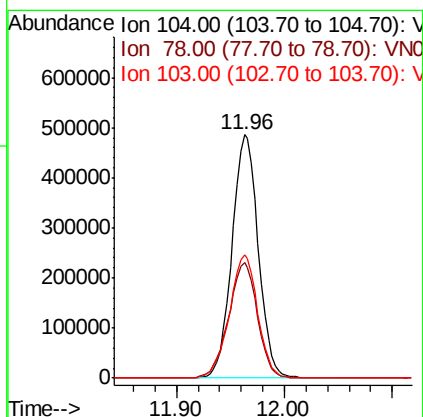
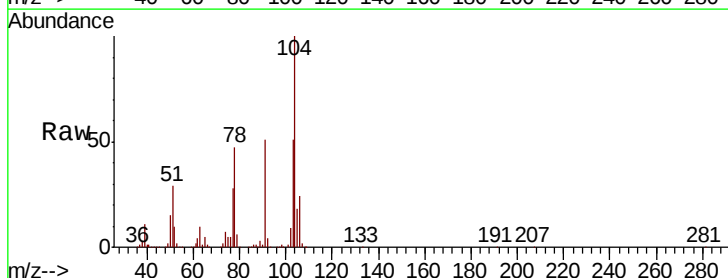
Instrument :
MSVOA_N
ClientSampleId :

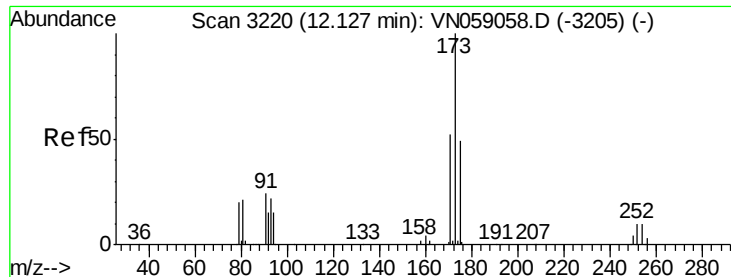
Tot Ion:106 Resp: 488700
Ion Ratio Lower Upper
106 100
91 219.2 110.4 331.2



#70
Styrene
Concen: 49.163 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion:104 Resp: 820792
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 54.6 43.9 65.9





#71

Bromoform

Concen: 47.430 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

ClientSampleId :

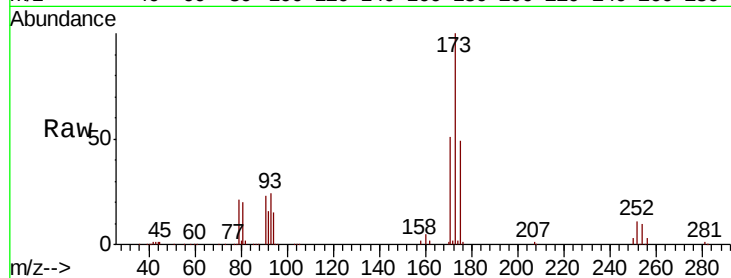
Tot Ion:173 Resp: 225442

Ion Ratio Lower Upper

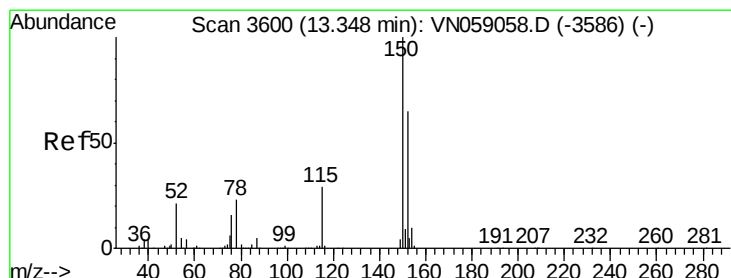
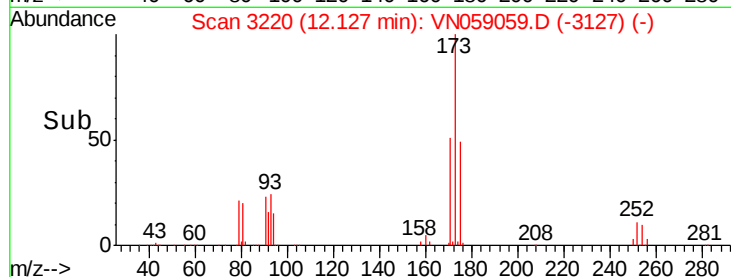
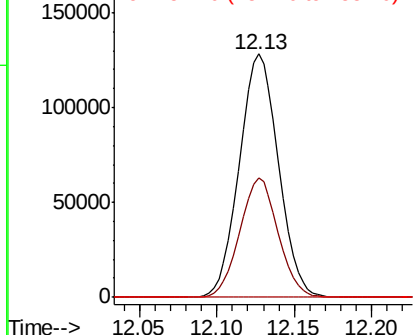
173 100

175 48.1 24.4 73.2

254 0.1 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

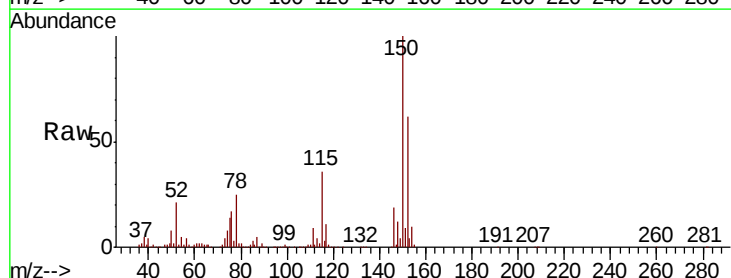
Tgt Ion:152 Resp: 384212

Ion Ratio Lower Upper

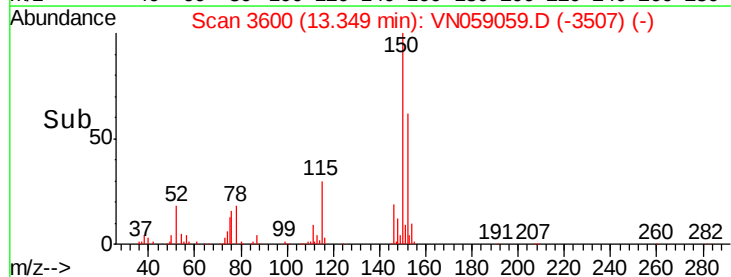
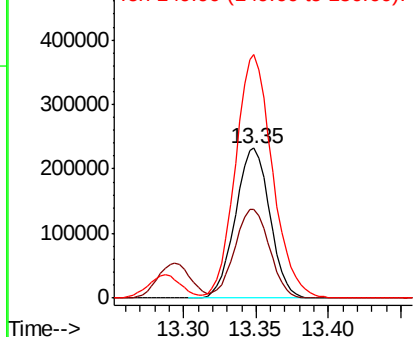
152 100

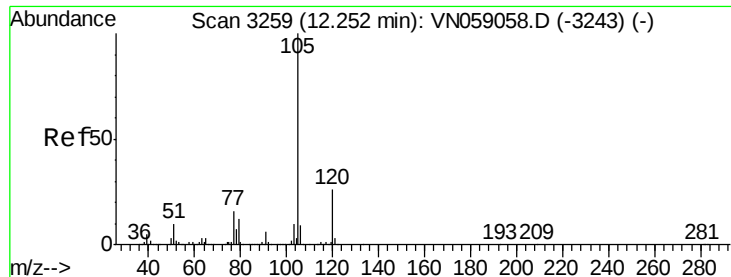
115 59.9 29.6 88.9

150 173.6 0.0 345.8



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: 46.777 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

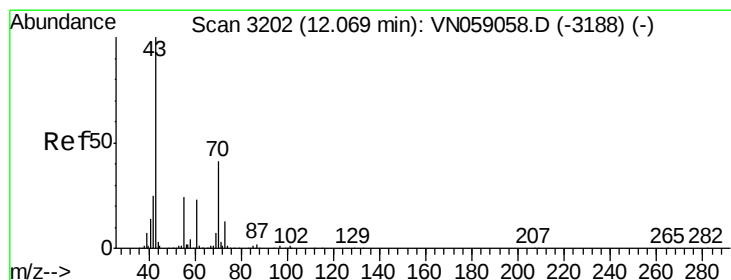
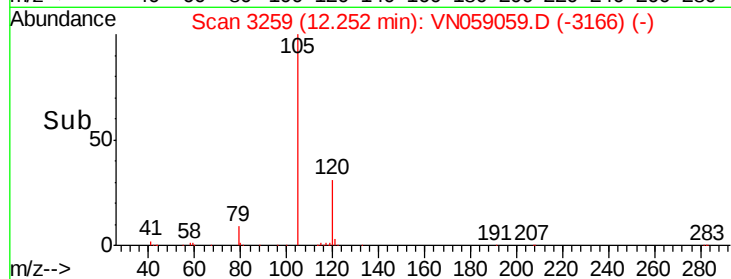
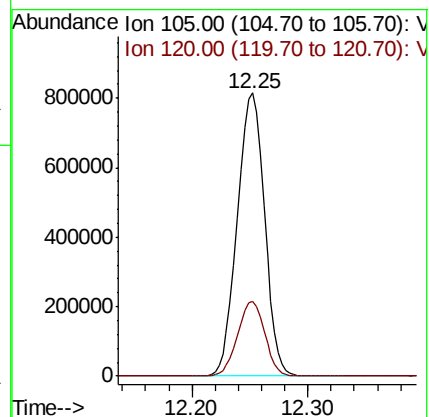
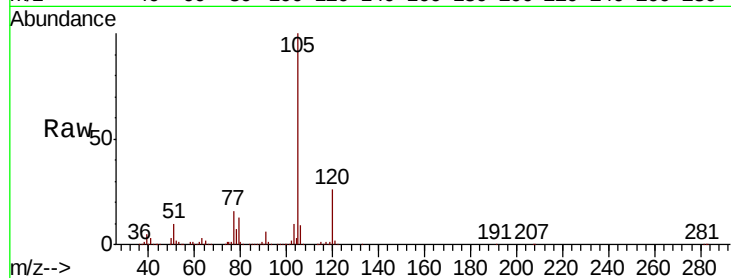
ClientSampleId :

Tot Ion:105 Resp: 1322179

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



#74

N-ethyl acetate

Concen: 48.511 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Tgt Ion: 43 Resp: 609946

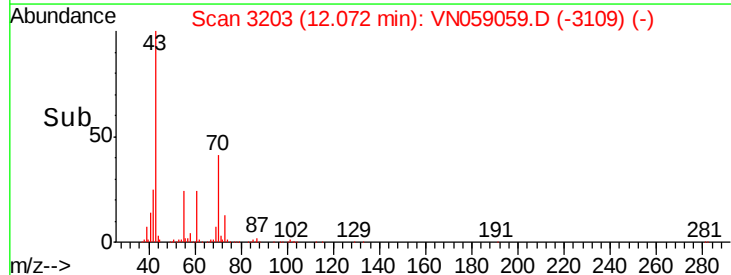
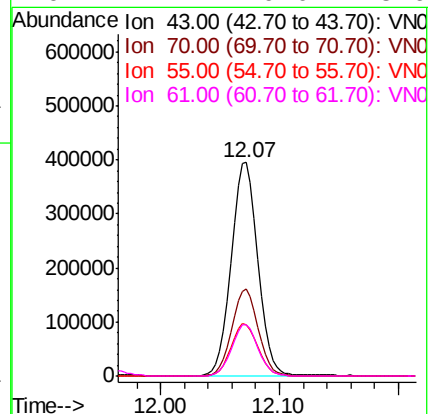
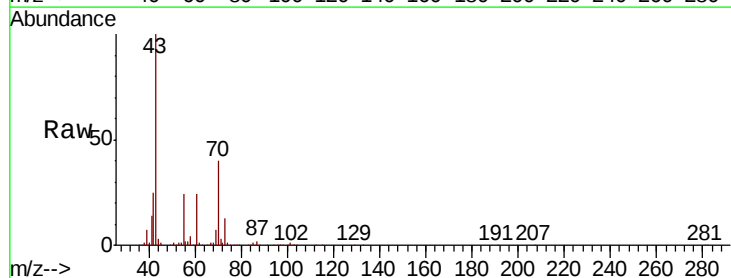
Ion Ratio Lower Upper

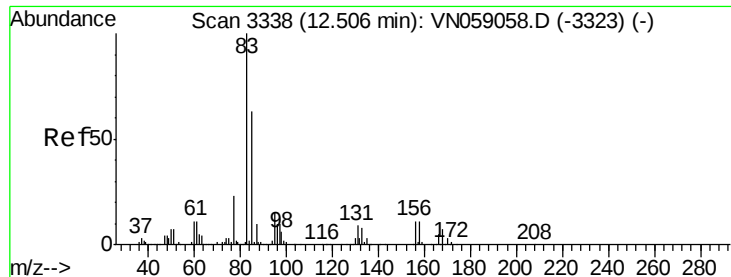
43 100

70 40.5 32.6 49.0

55 25.0 19.7 29.5

61 24.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.032 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

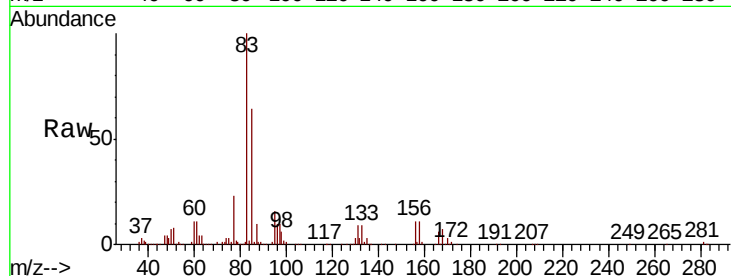
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 83 Resp: 443348

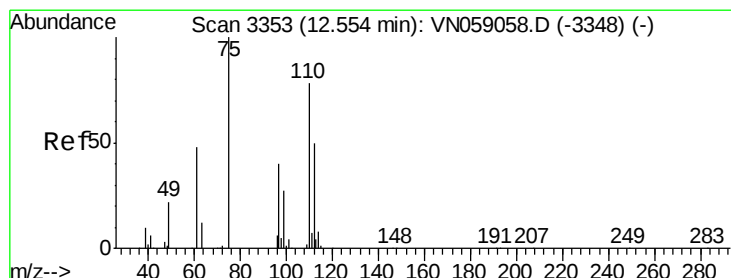
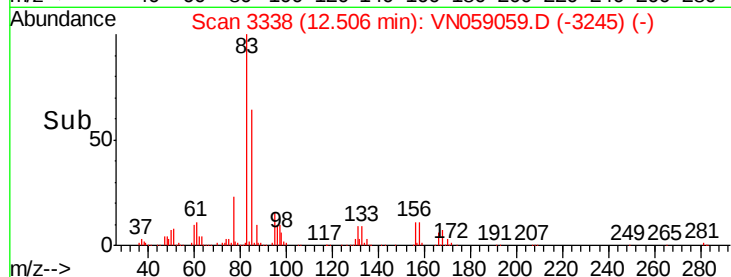
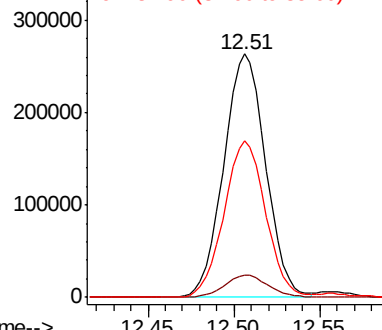
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.9	31.9	95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 65.312 ug/l

RT: 12.55 min Scan# 3353

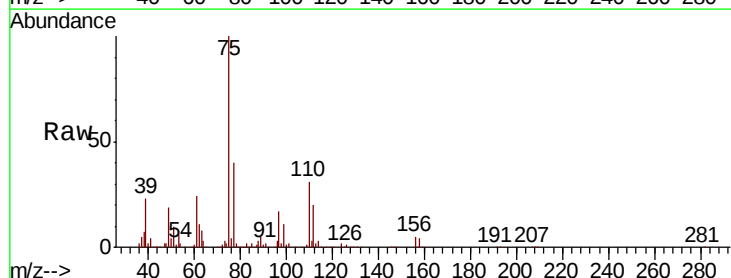
Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

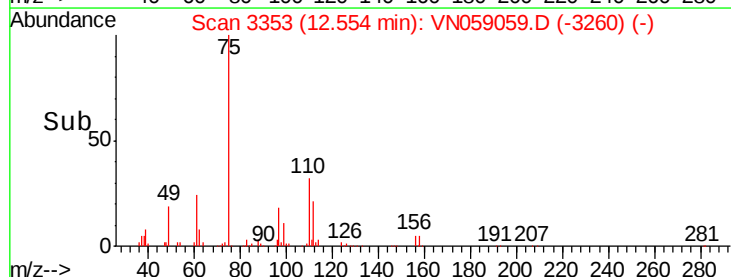
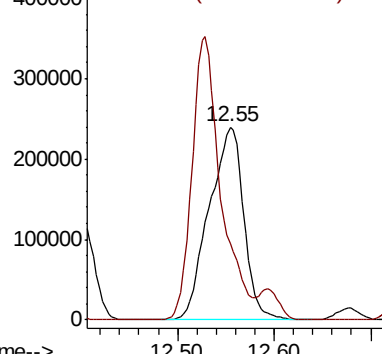
Tgt Ion: 75 Resp: 593815

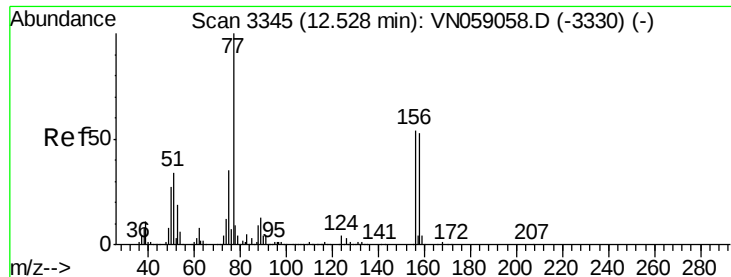
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 44.852 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

ClientSampleId :

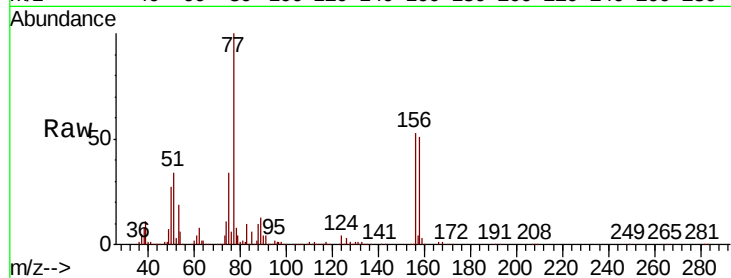
Tot Ion:156 Resp: 316992

Ion Ratio Lower Upper

156 100

77 230.4 114.2 342.6

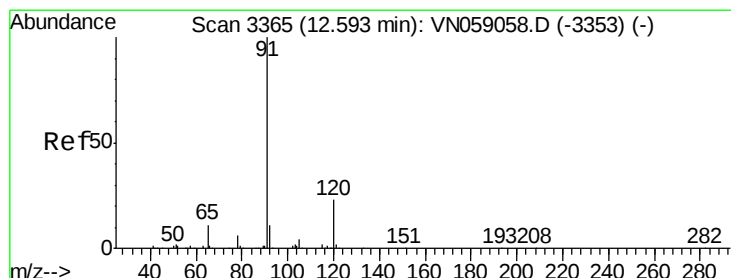
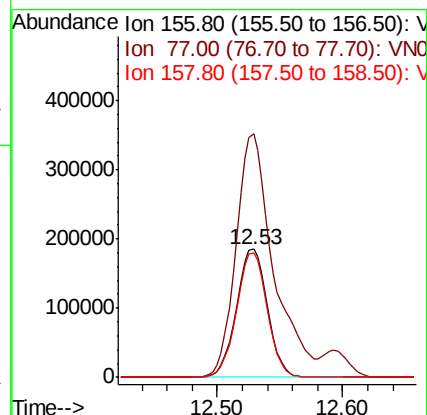
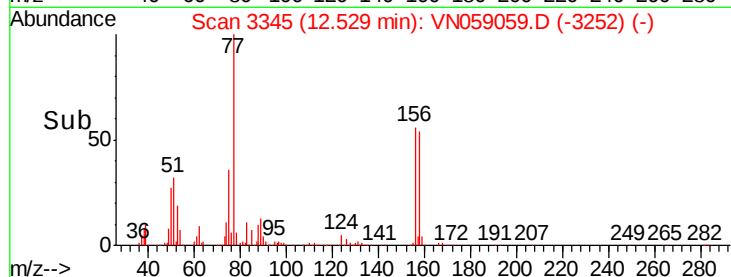
158 96.0 49.6 149.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.731 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059059.D

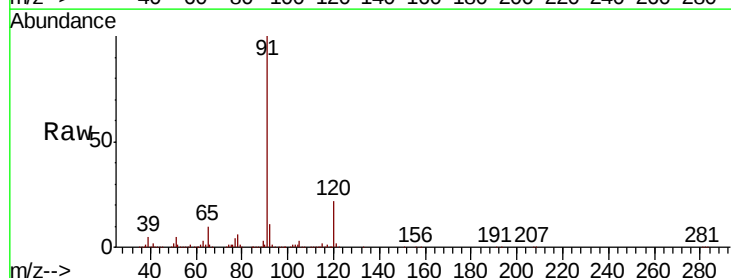
Acq: 1 Nov 2019 13:21

Tgt Ion: 91 Resp: 1562547

Ion Ratio Lower Upper

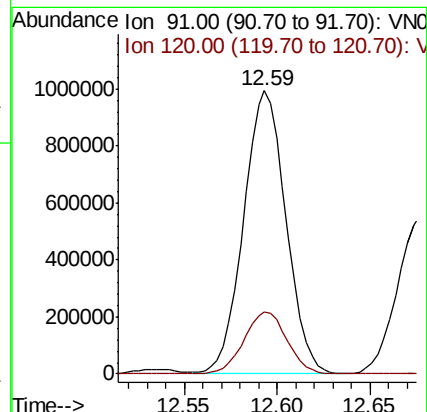
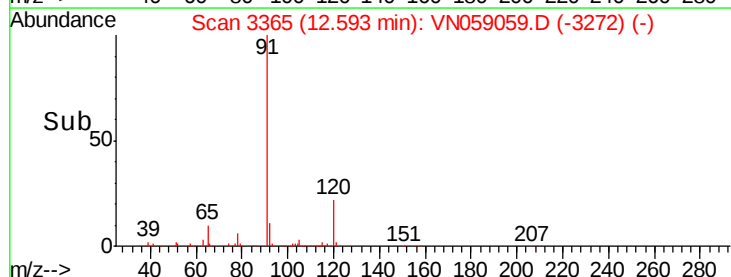
91 100

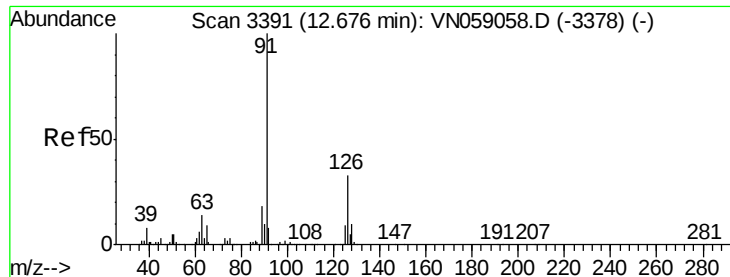
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.297 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

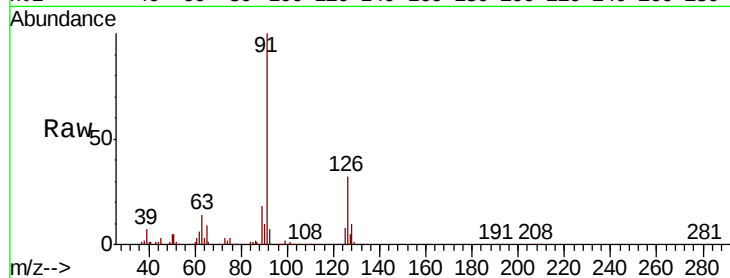
ClientSampleId :

Tot Ion: 91 Resp: 920780

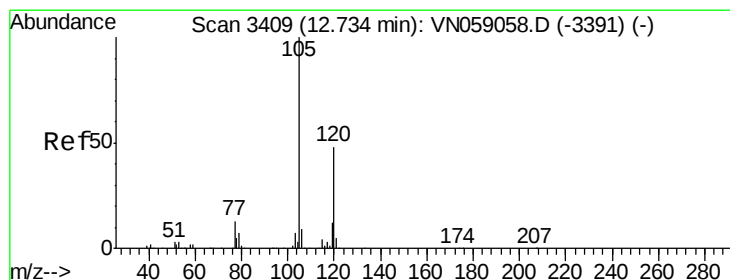
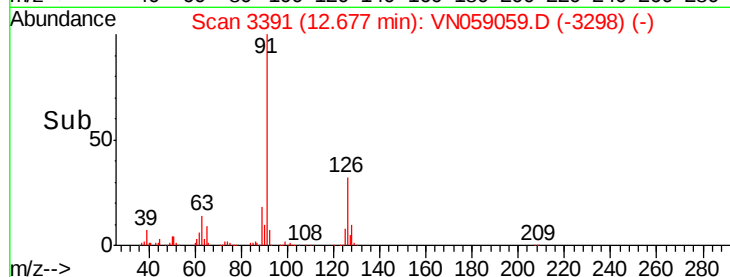
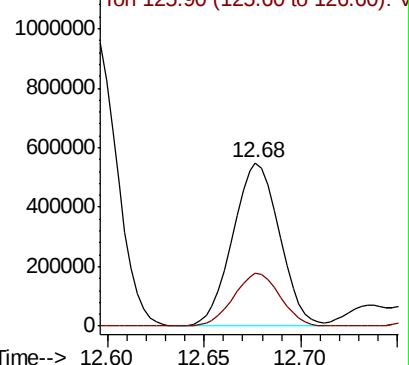
Ion Ratio Lower Upper

91 100

126 32.6 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN059058.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.963 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059059.D

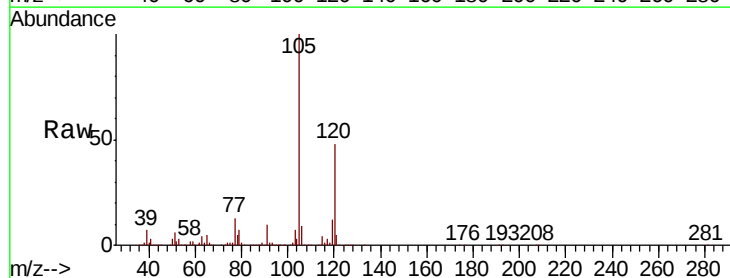
Acq: 1 Nov 2019 13:21

Tgt Ion: 105 Resp: 1128164

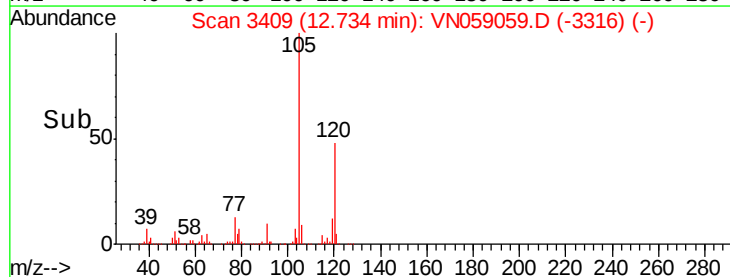
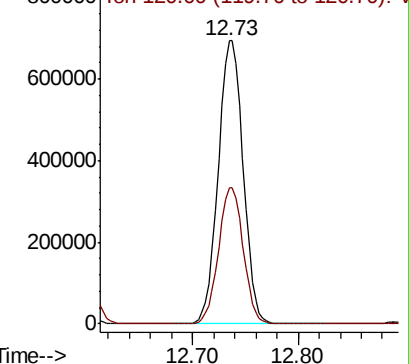
Ion Ratio Lower Upper

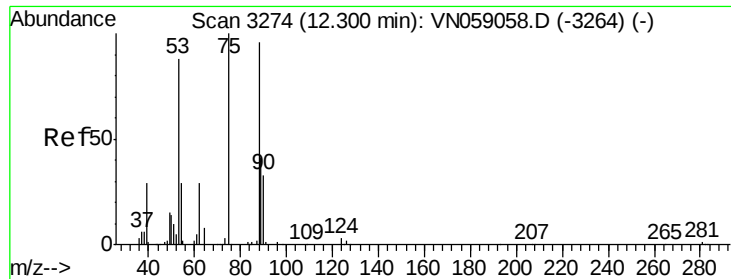
105 100

120 48.0 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN059058.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.454 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

ClientSampleId :

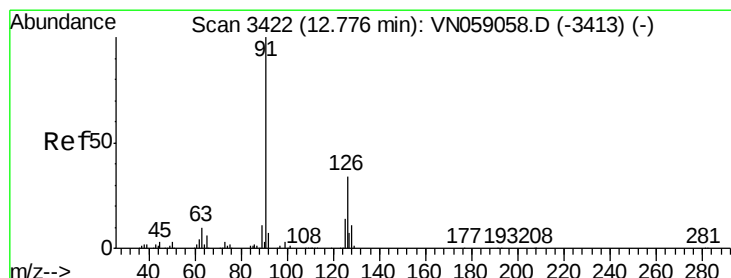
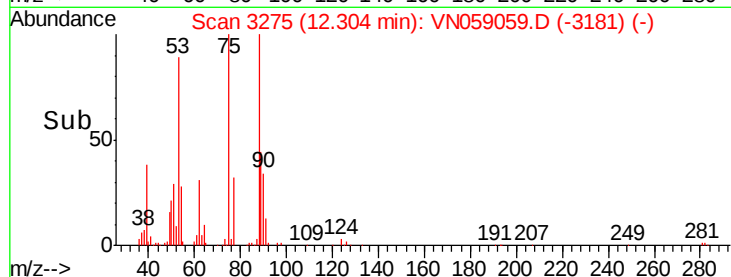
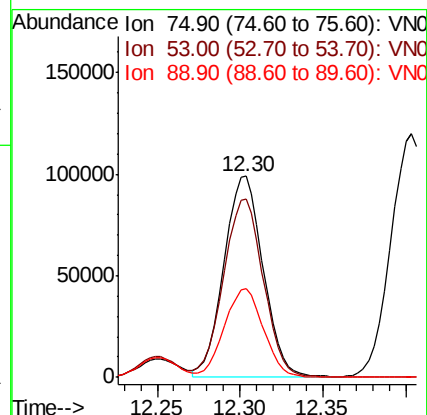
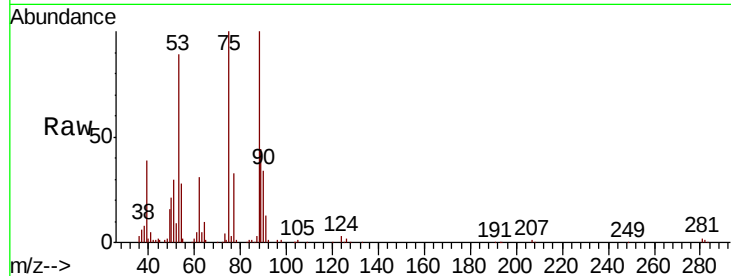
Tot Ion: 75 Resp: 161212

Ion Ratio Lower Upper

75 100

53 91.8 70.4 105.6

89 44.3 34.2 51.2



#82

4-Chlorotoluene

Concen: 45.593 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059059.D

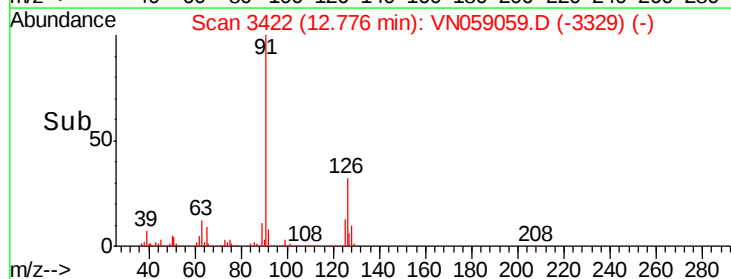
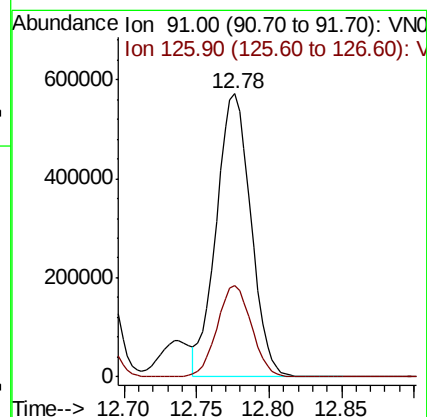
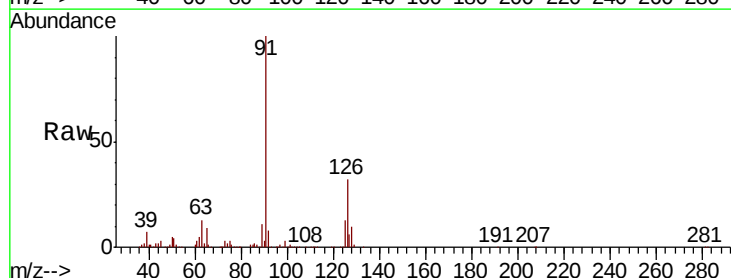
Acq: 1 Nov 2019 13:21

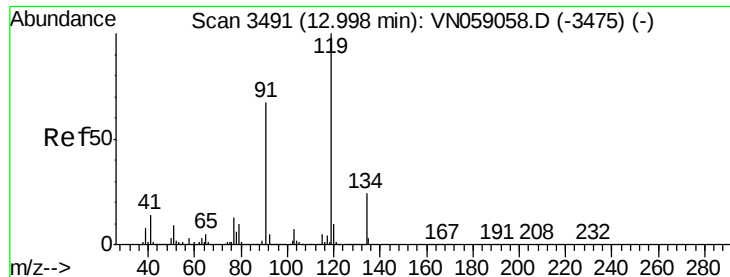
Tgt Ion: 91 Resp: 945859

Ion Ratio Lower Upper

91 100

126 32.1 16.0 47.9

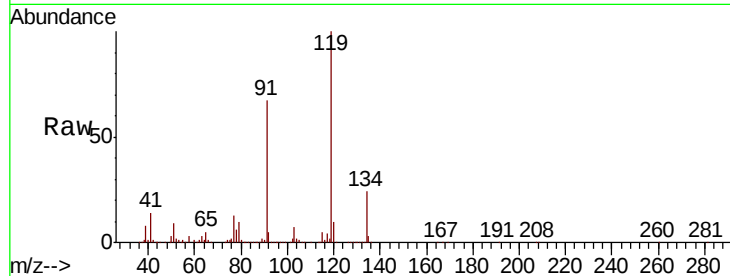




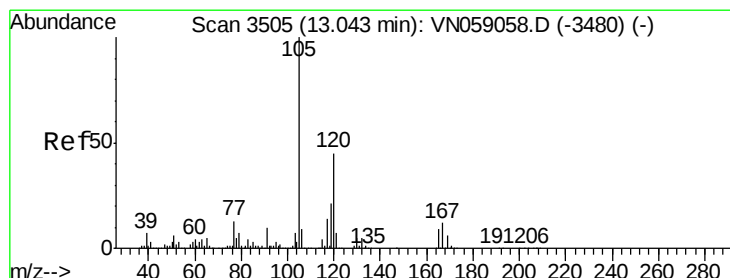
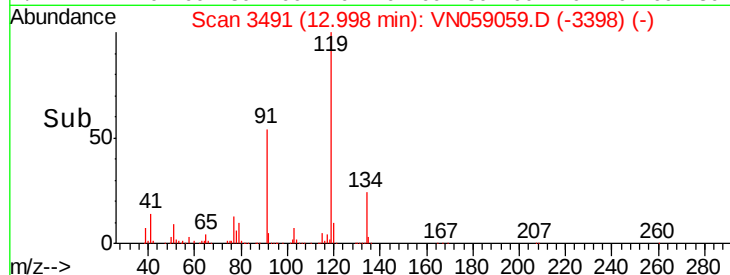
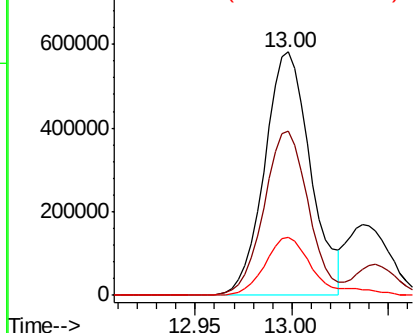
#83
tert-Butylbenzene
Concen: 47.044 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 960025
Ion Ratio Lower Upper
119 100
91 65.0 33.7 101.0
134 25.3 12.9 38.7

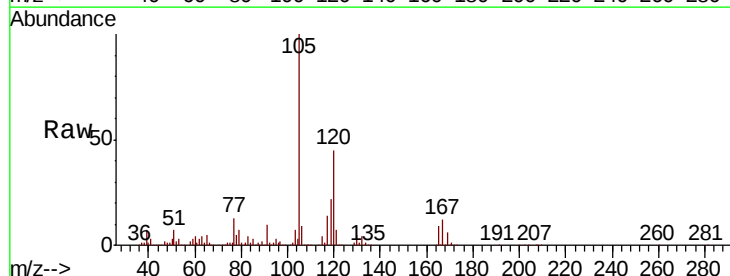


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

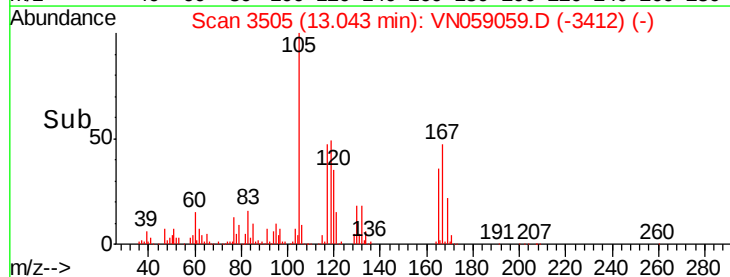
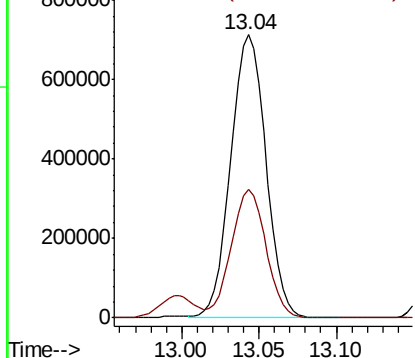


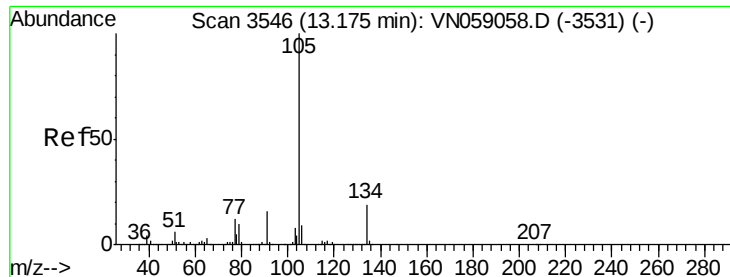
#84
1,2,4-Trimethylbenzene
Concen: 48.091 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059059.D
Acq: 1 Nov 2019 13:21

Tgt Ion:105 Resp: 1122551
Ion Ratio Lower Upper
105 100
120 45.1 22.3 66.9



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





#85

sec-Butylbenzene

Concen: 48.002 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

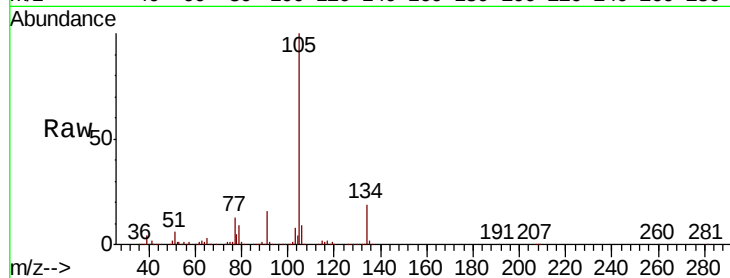
ClientSampled :

Tot Ion:105 Resp: 1283845

Ion Ratio Lower Upper

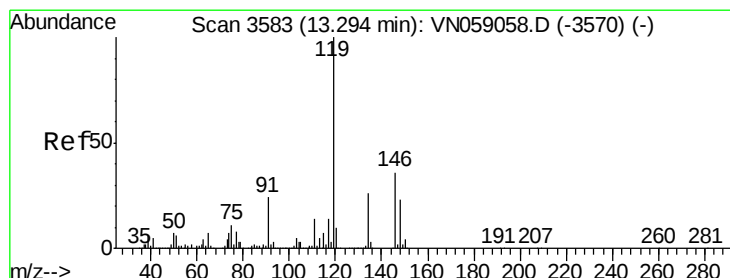
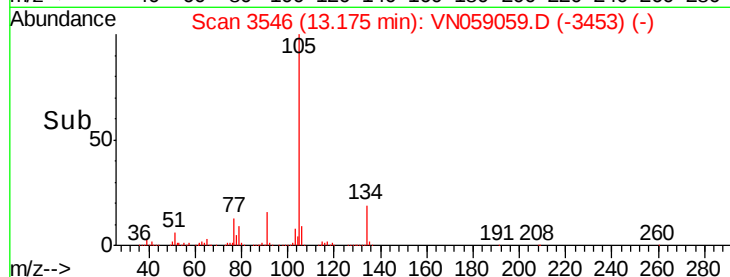
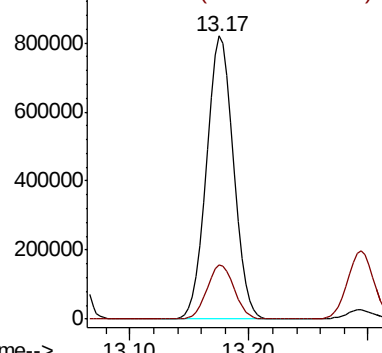
105 100

134 19.4 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.152 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

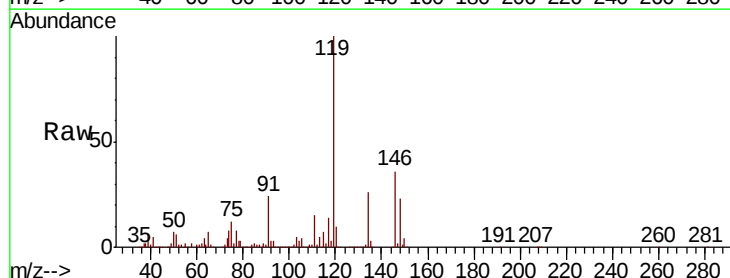
Tgt Ion:119 Resp: 1161068

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

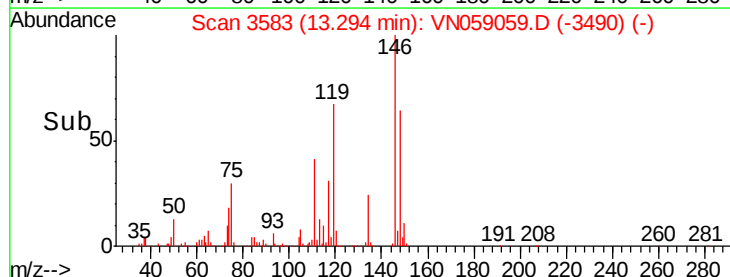
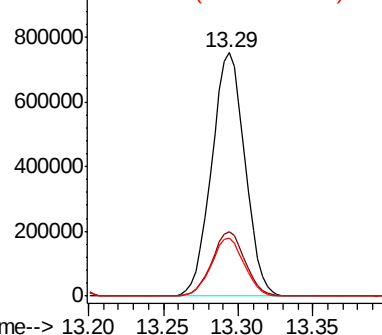
91 23.7 12.0 36.0

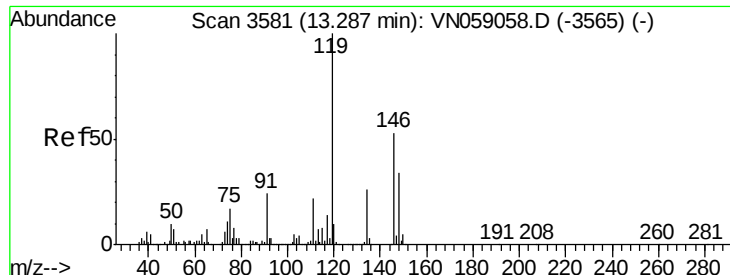


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 44.768 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059059.D

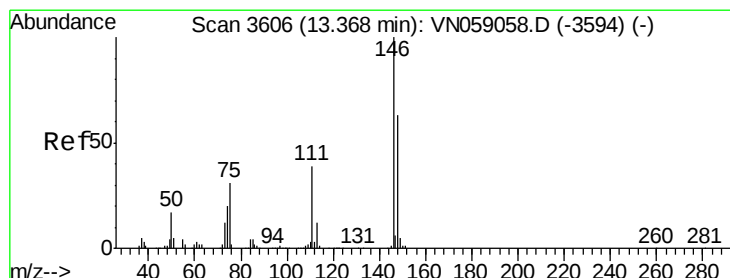
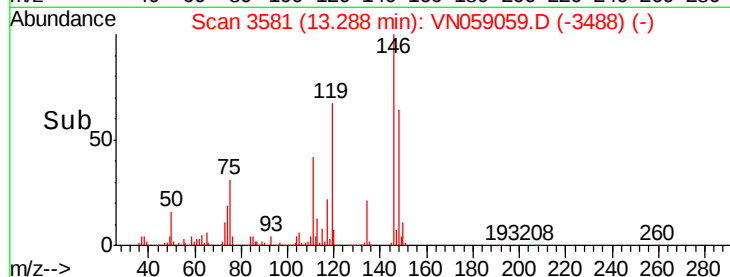
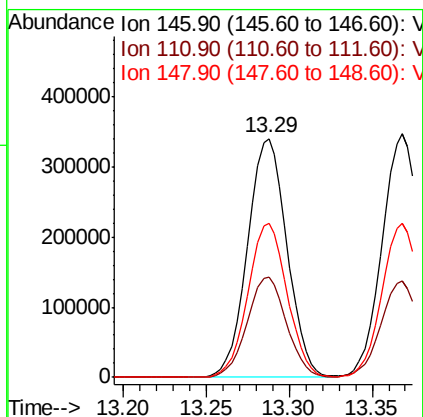
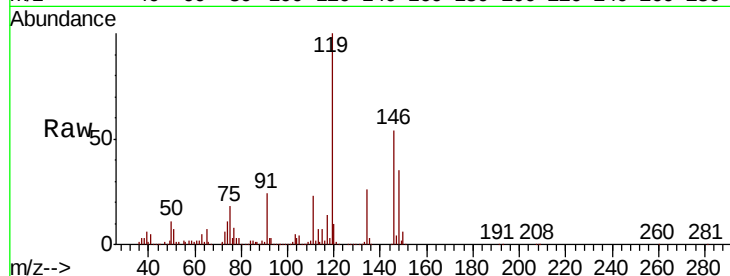
Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	562159
Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.5
148	63.9	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 45.331 ug/l

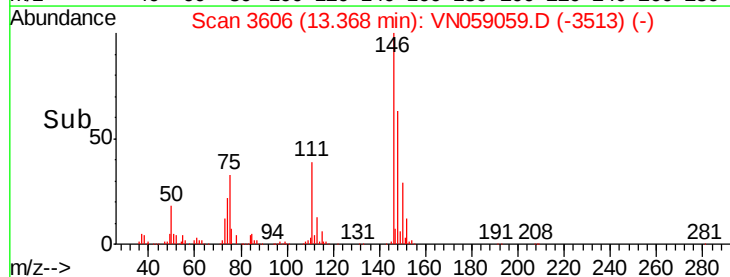
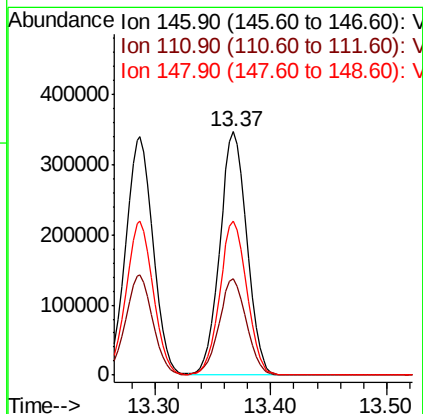
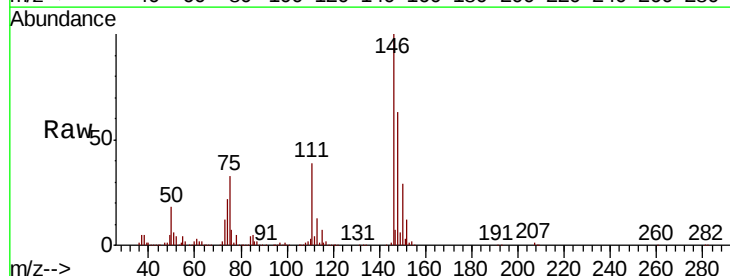
RT: 13.37 min Scan# 3606

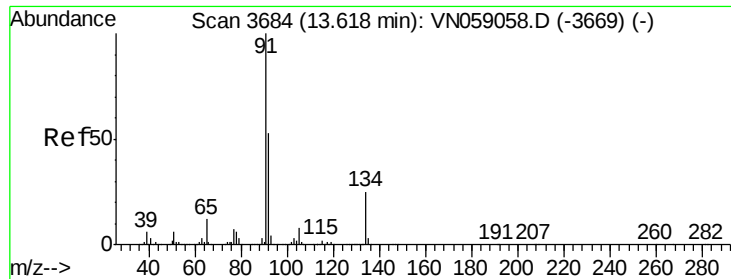
Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Tgt Ion:	146	Resp:	563066
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.5	31.9	95.7





#89

n-Butylbenzene

Concen: 49.396 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

ClientSampled :

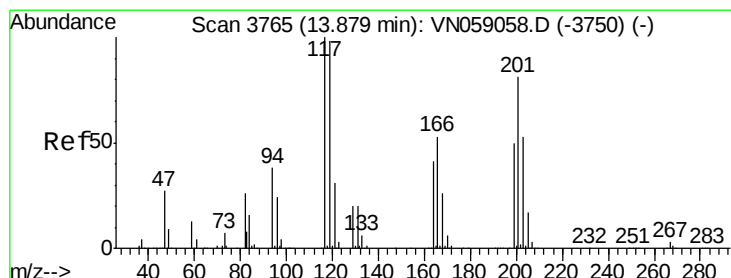
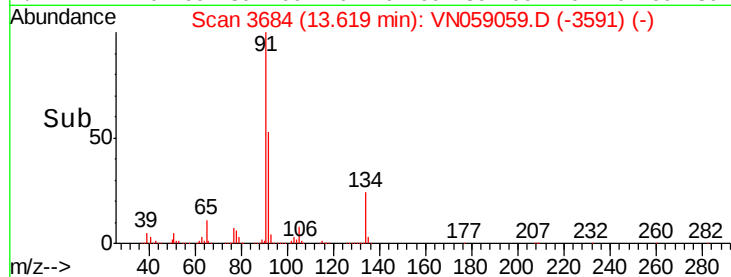
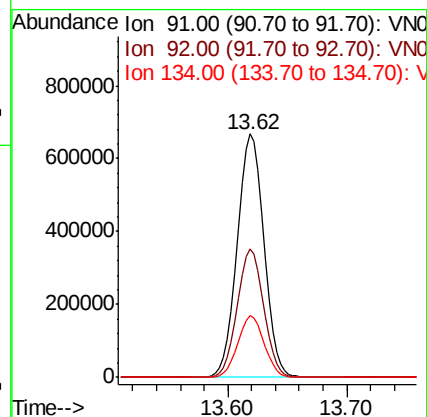
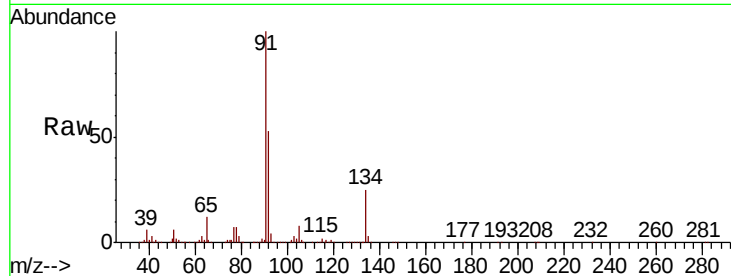
Tot Ion: 91 Resp: 1037842

Ion Ratio Lower Upper

91 100

92 52.3 26.4 79.0

134 25.0 12.5 37.5



#90

Hexachloroethane

Concen: 44.371 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059059.D

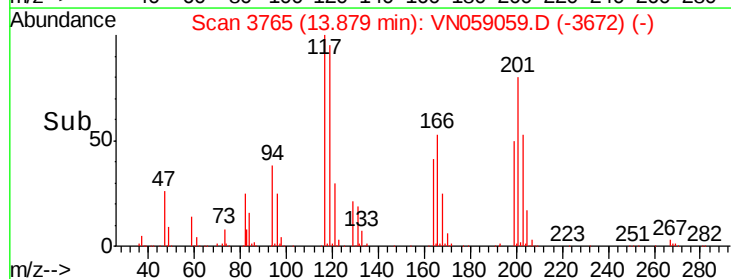
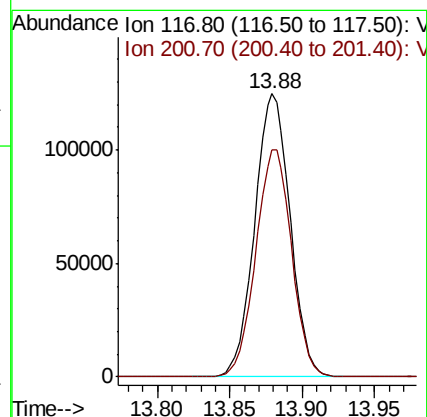
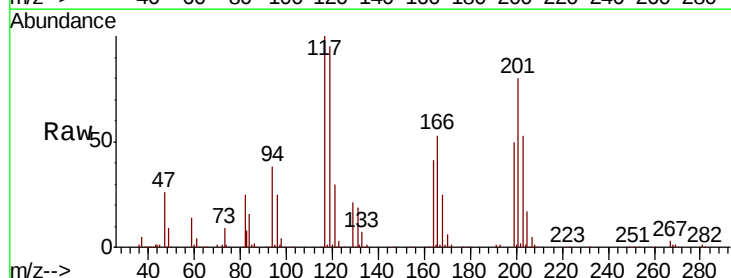
Acq: 1 Nov 2019 13:21

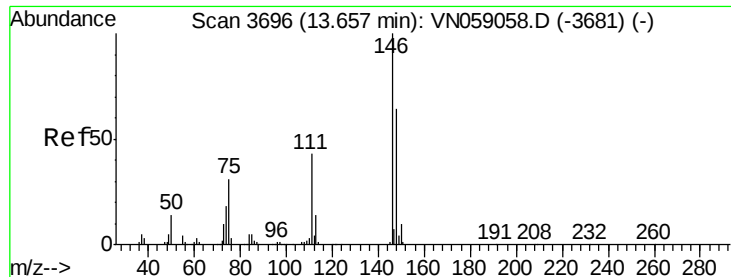
Tgt Ion: 117 Resp: 212675

Ion Ratio Lower Upper

117 100

201 81.0 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 44.285 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059059.D

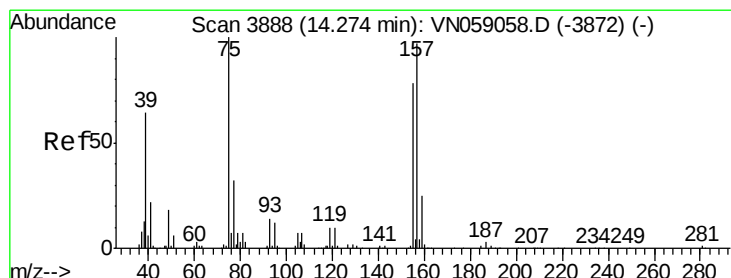
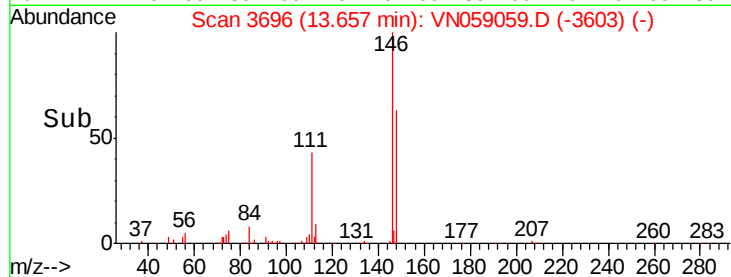
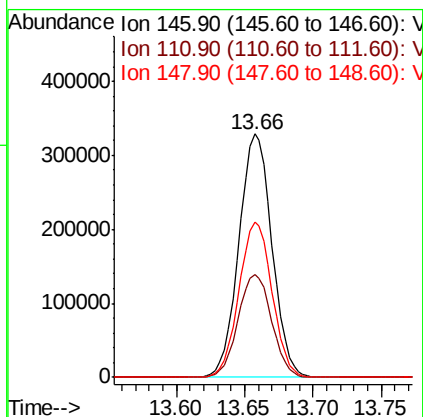
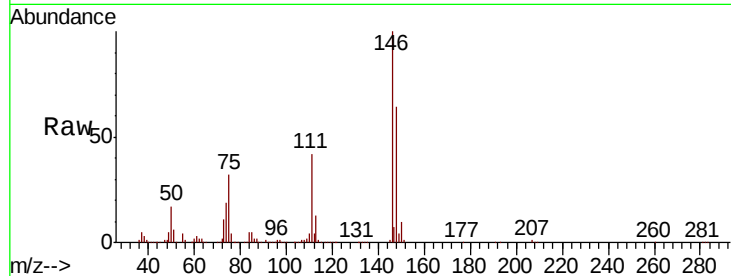
Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	553329
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.7	32.1	96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.264 ug/l

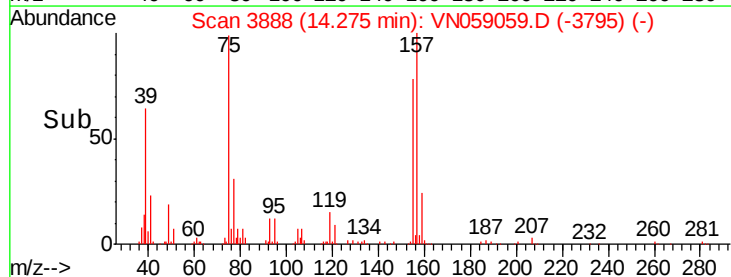
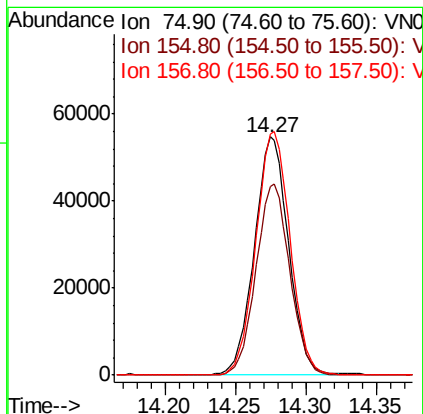
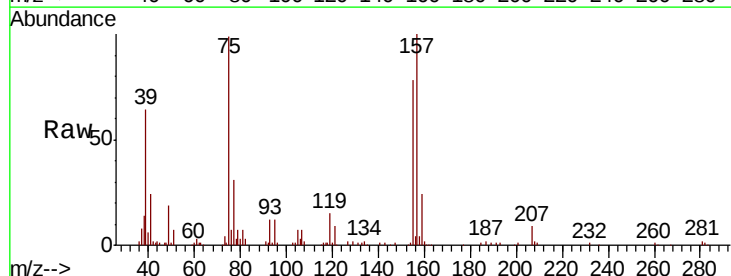
RT: 14.27 min Scan# 3888

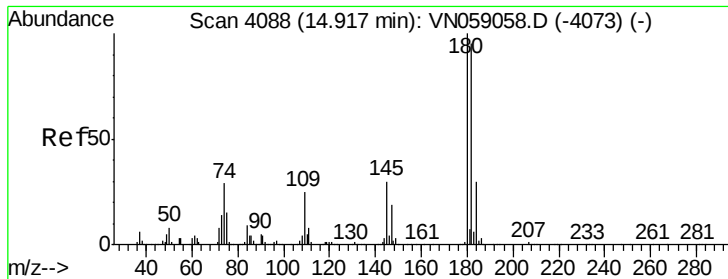
Delta R.T. 0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Tgt Ion:	75	Resp:	91918
Ion	Ratio	Lower	Upper
75	100		
155	80.0	39.7	119.1
157	103.3	51.0	153.0

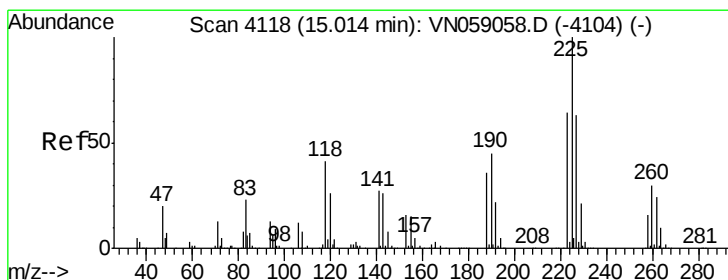
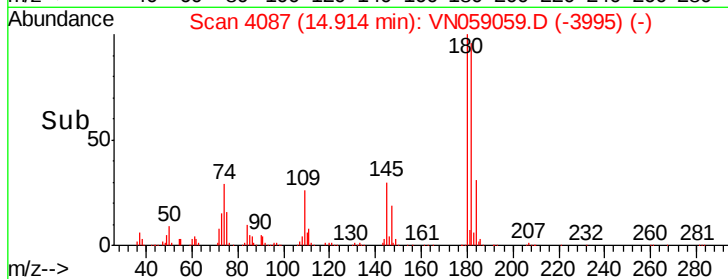
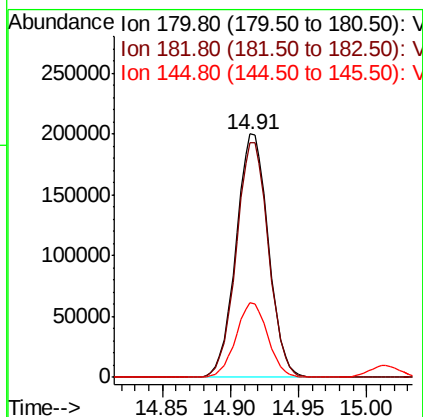
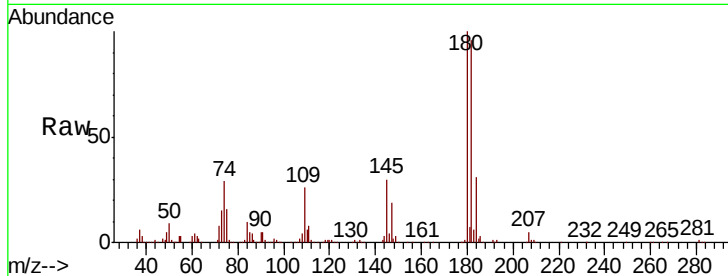




#93
 1,2,4-Trichlorobenzene
 Concen: 48.856 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059059.D
 Acq: 1 Nov 2019 13:21

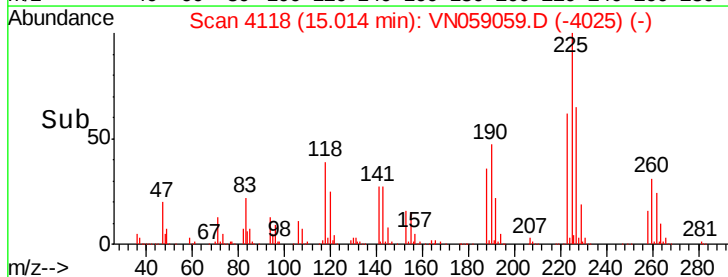
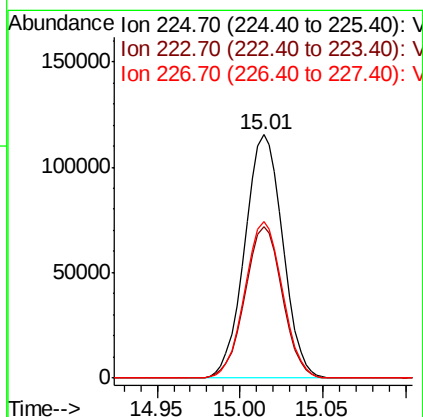
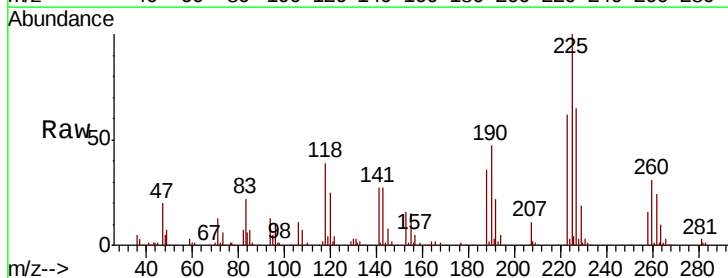
Instrument :
 MSVOA_N
 ClientSampled :

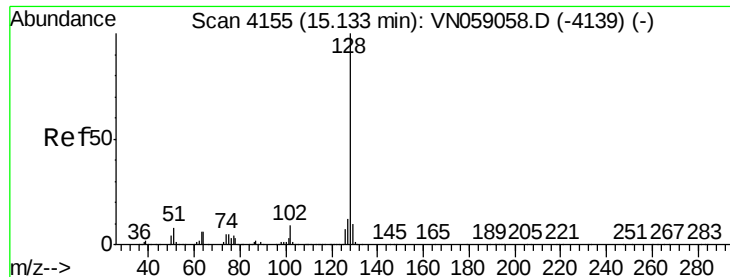
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.4
145	30.2	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 45.585 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059059.D
 Acq: 1 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.6	95.0
227	63.9	31.9	95.7





#95

Naphthalene

Concen: 45.194 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059059.D

Acq: 1 Nov 2019 13:21

Instrument :

MSVOA_N

ClientSampleId :

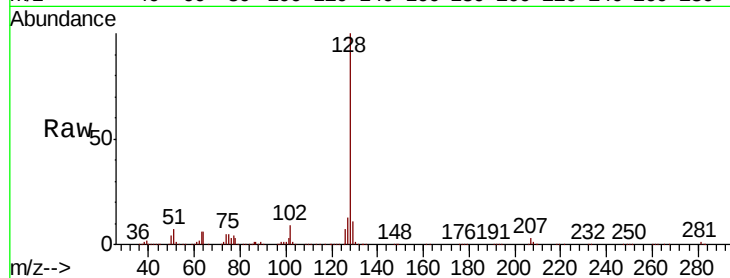
Tot Ion:128 Resp: 942917

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

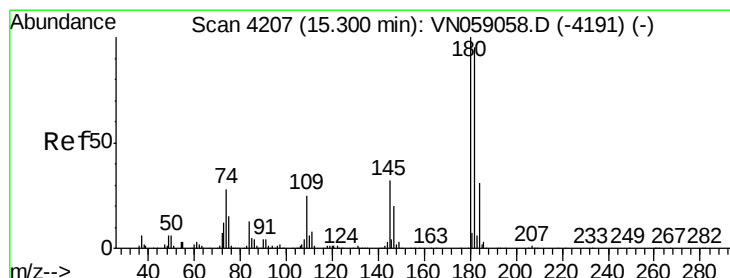
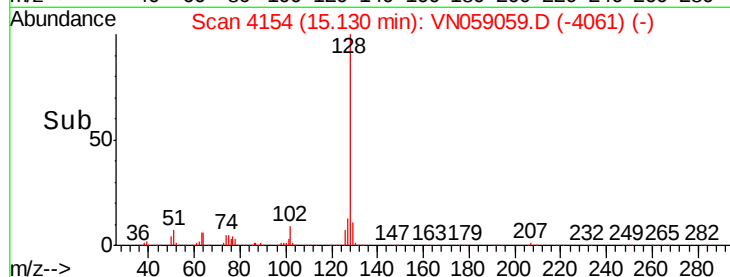
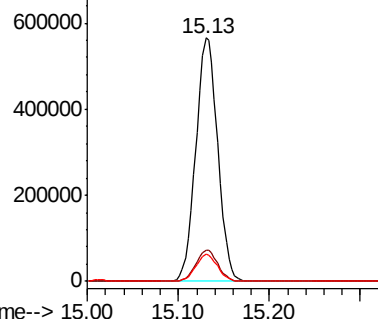
129 11.0 8.4 12.6



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: 47.239 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059059.D

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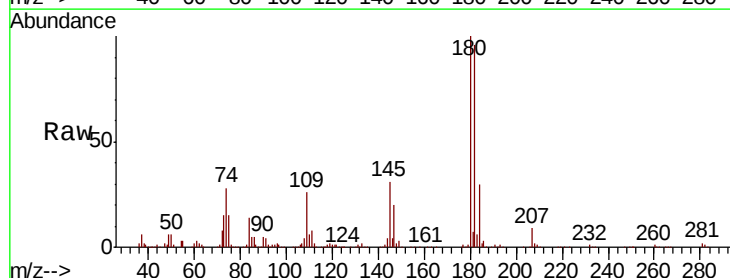
Tgt Ion:180 Resp: 324000

Ion Ratio Lower Upper

180 100

182 95.3 47.7 143.1

145 31.3 16.0 48.0



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

