

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059310.D
 Acq On : 19 Nov 2019 17:02
 Operator : JC/SP
 Sample : VN1119MBS04
 Misc : 5.00u/10mL/100ul/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:49:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	358993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	563706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	502631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	230069	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	214928	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	7.57	113	175007	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	10.08	98	644563	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	238685	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	110592	30.576	ug/l	99
3) Chloromethane	2.04	50	125282	25.481	ug/l	99
4) Vinyl Chloride	2.17	62	133790	28.067	ug/l	99
5) Bromomethane	2.55	94	72402	26.394	ug/l	97
6) Chloroethane	2.69	64	67786	24.039	ug/l	98
7) Trichlorofluoromethane	3.00	101	131945	23.141	ug/l	98
8) Diethyl Ether	3.38	74	55579	23.990	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84089	24.460	ug/l	100
10) Methyl Iodide	3.93	142	97781	22.979	ug/l	99
11) Tert butyl alcohol	4.74	59	84895	100.944	ug/l	99
12) 1,1-Dichloroethene	3.71	96	81828	24.435	ug/l	99
13) Acrolein	3.58	56	33446	77.134	ug/l	99
14) Allyl chloride	4.29	41	151868	22.077	ug/l	98
15) Acrylonitrile	4.95	53	229774	109.783	ug/l	98
16) Acetone	3.79	43	262793	114.516	ug/l	97
17) Carbon Disulfide	4.03	76	259591	24.971	ug/l	99
18) Methyl Acetate	4.29	43	134211	24.640	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	274570	23.814	ug/l	100
20) Methylene Chloride	4.52	84	93345	23.348	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	88907	24.733	ug/l	95
22) Diisopropyl ether	5.92	45	300232	23.107	ug/l	97
23) Vinyl Acetate	5.86	43	1127677	111.983	ug/l	100
24) 1,1-Dichloroethane	5.82	63	168242	23.183	ug/l	100
25) 2-Butanone	6.81	43	328224	108.524	ug/l	99
26) 2,2-Dichloropropane	6.80	77	142489	22.454	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	98986	23.736	ug/l	97
28) Bromochloromethane	7.17	49	48663	22.288	ug/l	96
29) Tetrahydrofuran	7.18	42	208876	108.692	ug/l	98
30) Chloroform	7.35	83	158730	22.801	ug/l	100
31) Cyclohexane	7.63	56	160054	23.297	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	137462	23.486	ug/l	99
36) 1,1-Dichloropropene	7.77	75	123729	23.482	ug/l	98
37) Ethyl Acetate	6.90	43	127672	21.781	ug/l	98
38) Carbon Tetrachloride	7.75	117	119902	22.863	ug/l	99

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 ClientSampleId :

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152523	24.942	ug/l	99
40) Benzene	8.02	78	379772	23.935	ug/l	98
41) Methacrylonitrile	7.18	41	182158	71.466	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	126387	23.225	ug/l	99
43) Isopropyl Acetate	8.14	43	202953	21.718	ug/l	99
44) Trichloroethene	8.82	130	93921	24.080	ug/l	99
45) 1,2-Dichloropropane	9.10	63	99182	23.014	ug/l	100
46) Dibromomethane	9.19	93	60659	22.587	ug/l	98
47) Bromodichloromethane	9.39	83	123119	22.958	ug/l	100
48) Methyl methacrylate	9.18	41	89095	21.315	ug/l	98
49) 1,4-Dioxane	9.18	88	30220	406.819	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	615922	116.485	ug/l	100
52) Toluene	10.15	92	227102	23.880	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	141182	22.787	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	155862	23.387	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	88157	22.905	ug/l	99
56) Ethyl methacrylate	10.42	69	130483	21.438	ug/l	98
57) 1,3-Dichloropropane	10.70	76	153949	23.240	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	199800	93.279	ug/l	100
59) 2-Hexanone	10.74	43	456939	112.589	ug/l	100
60) Dibromochloromethane	10.90	129	92620	22.761	ug/l	100
61) 1,2-Dibromoethane	11.00	107	89396	22.944	ug/l	98
64) Tetrachloroethene	10.63	164	96319	28.181	ug/l	96
65) Chlorobenzene	11.43	112	235118	23.996	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	85733	23.325	ug/l	100
67) Ethyl Benzene	11.51	91	429760	24.721	ug/l	98
68) m/p-Xylenes	11.62	106	319376	49.045	ug/l	100
69) o-Xylene	11.95	106	152369	24.212	ug/l	97
70) Styrene	11.96	104	236655	23.911	ug/l	99
71) Bromoform	12.13	173	63742	22.295	ug/l #	99
73) Isopropylbenzene	12.25	105	408783	24.426	ug/l	100
74) N-amyl acetate	12.07	43	152282	21.474	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	128126	22.482	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	168161	32.105	ug/l #	100
77) Bromobenzene	12.53	156	98210	23.358	ug/l	96
78) n-propylbenzene	12.59	91	465882	24.313	ug/l	99
79) 2-Chlorotoluene	12.67	91	280033	23.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	343677	24.236	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41327	20.840	ug/l	98
82) 4-Chlorotoluene	12.77	91	282772	23.717	ug/l	99
83) tert-Butylbenzene	12.99	119	290813	23.747	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	334945	24.413	ug/l	99
85) sec-Butylbenzene	13.17	105	392176	24.624	ug/l	100
86) p-Isopropyltoluene	13.29	119	348996	24.817	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	167788	23.304	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	167331	23.228	ug/l	100
89) n-Butylbenzene	13.62	91	299572	24.339	ug/l	99
90) Hexachloroethane	13.88	117	61779	21.878	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	167450	23.642	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22906	20.161	ug/l	96

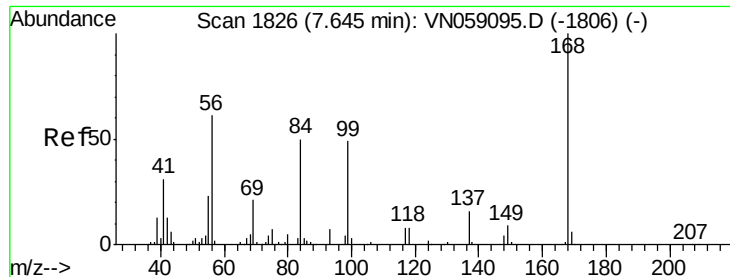
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111919\
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Quant Time: Nov 20 00:49:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	90970	22.926	ug/l	99
94) Hexachlorobutadiene	15.01	225	59849	24.507	ug/l	97
95) Naphthalene	15.13	128	240808	22.013	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	90288	22.747	ug/l	99

(#) = 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: VN059310.D

Acq: 19 Nov 2019 17:02

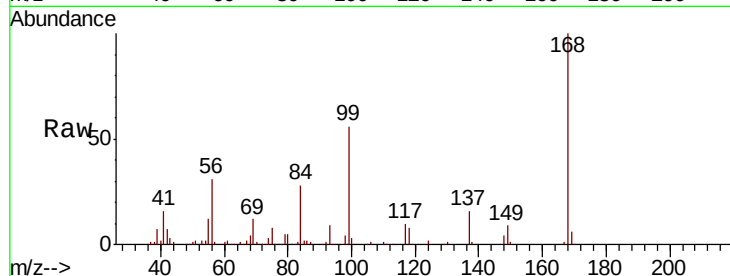
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 358993

Ion Ratio Lower Upper

168 100

99 55.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059310.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059310.D (-1733) (-)

7.64

150000

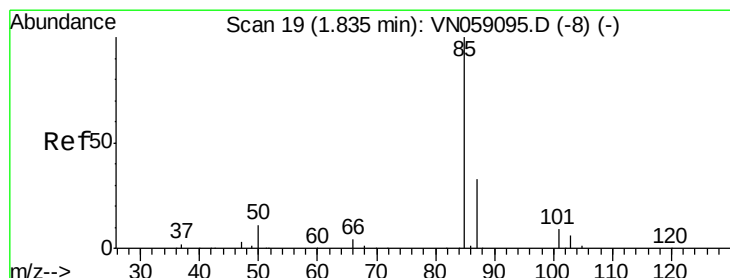
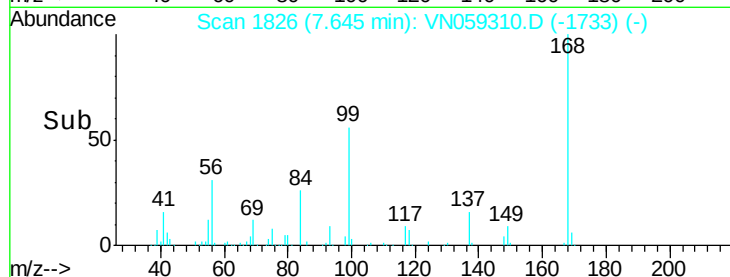
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 30.576 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059310.D

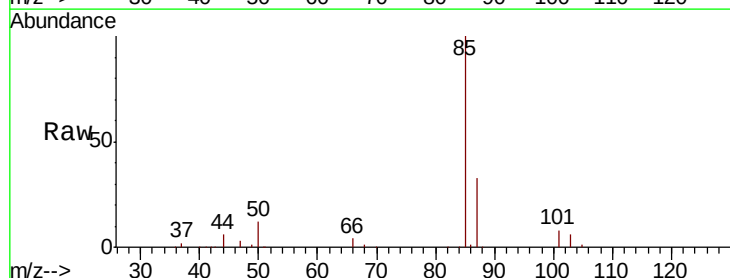
Acq: 19 Nov 2019 17:02

Tgt Ion: 85 Resp: 110592

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN059310.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN059310.D (-1) (-)

1.83

80000

60000

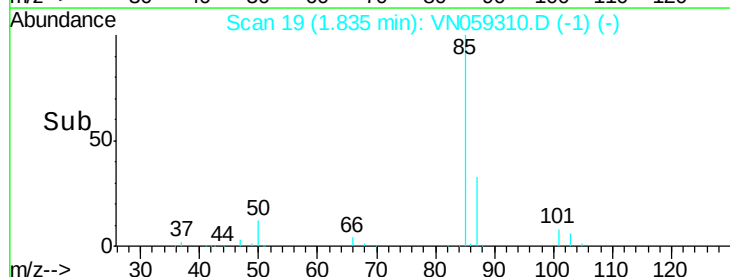
40000

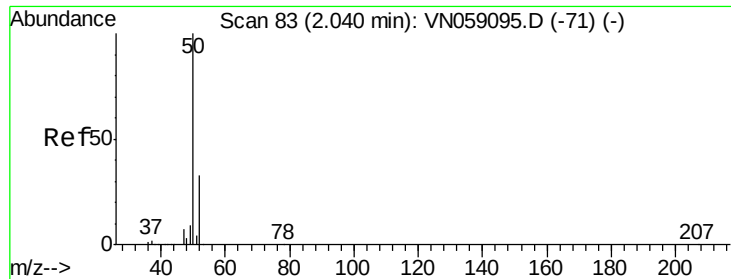
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 25.481 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

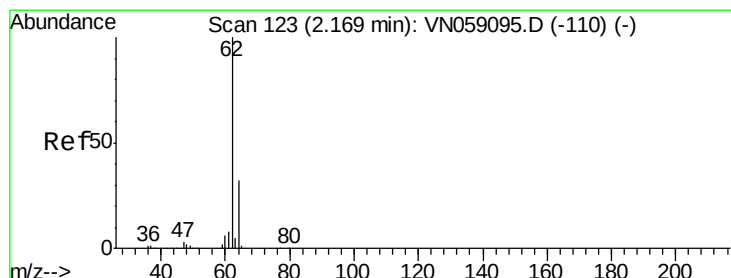
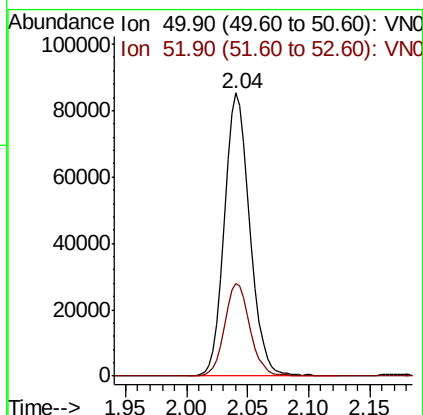
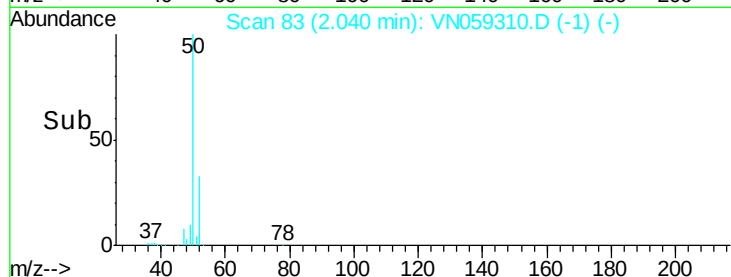
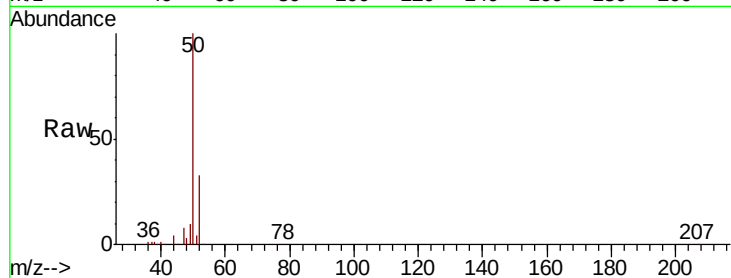
ClientSampleId :

Tot Ion: 50 Resp: 125282

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 28.067 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059310.D

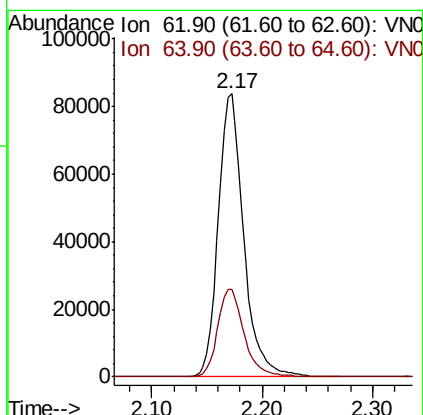
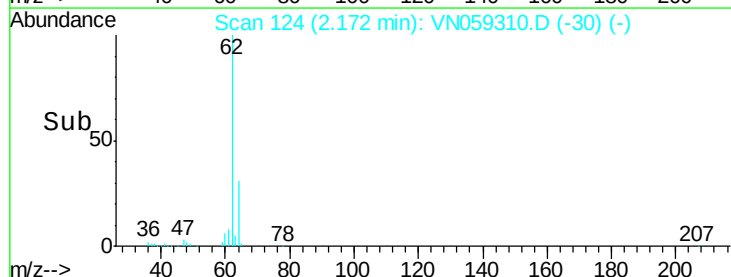
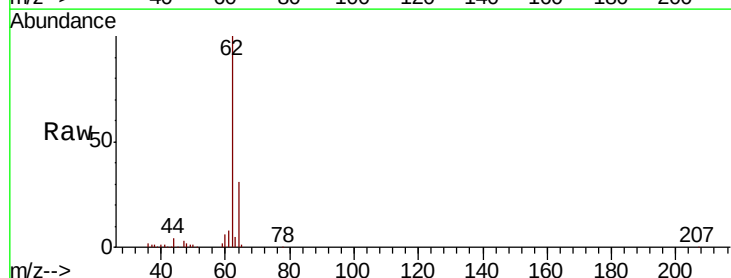
Acq: 19 Nov 2019 17:02

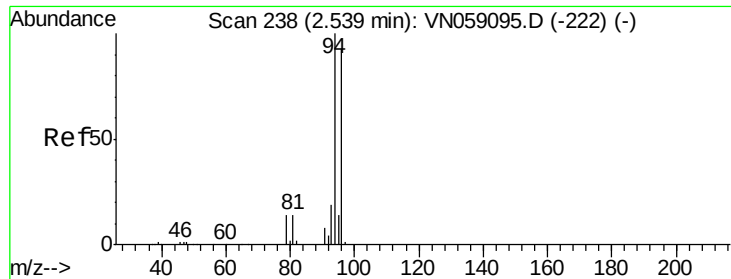
Tgt Ion: 62 Resp: 133790

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 26.394 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

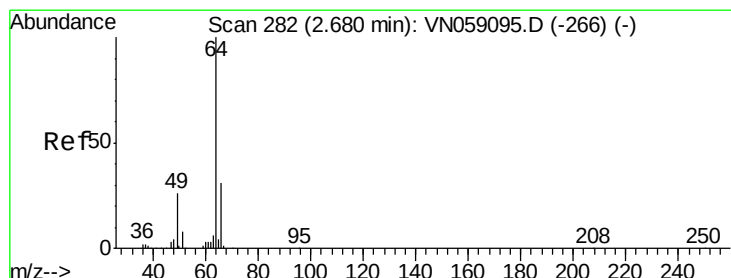
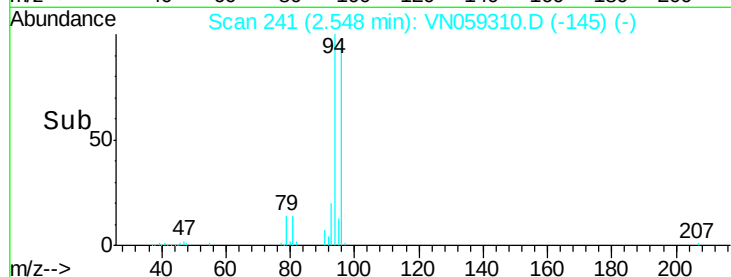
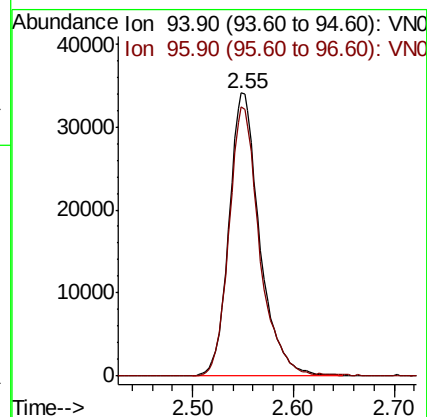
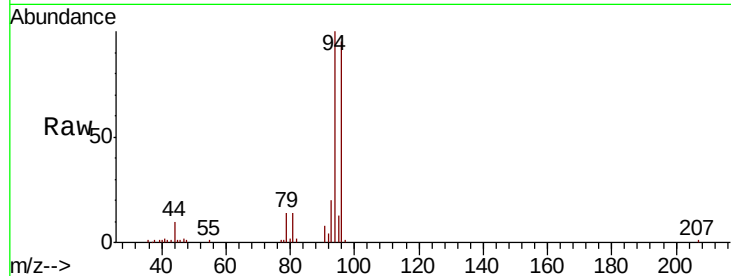
ClientSampleId :

Tot Ion: 94 Resp: 72402

Ion Ratio Lower Upper

94 100

96 95.1 74.2 111.2



#6

Chloroethane

Concen: 24.039 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059310.D

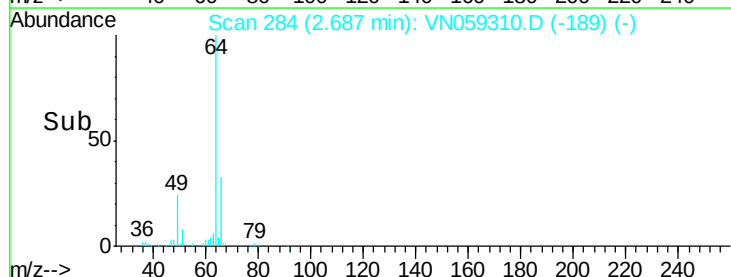
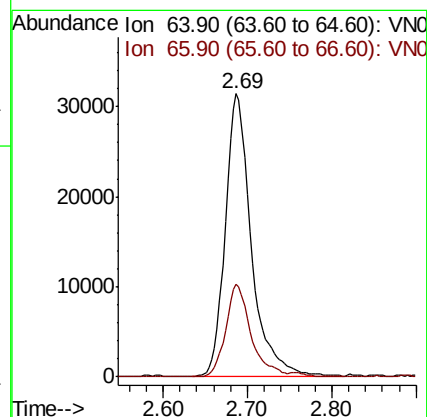
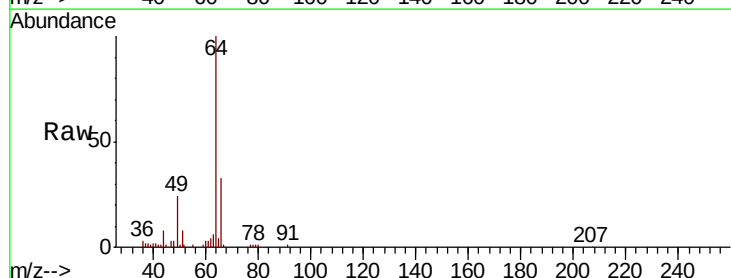
Acq: 19 Nov 2019 17:02

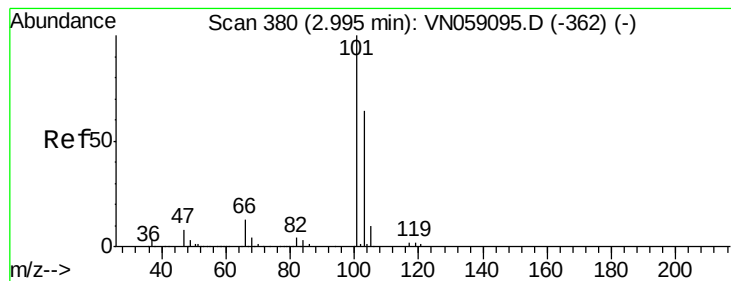
Tgt Ion: 64 Resp: 67786

Ion Ratio Lower Upper

64 100

66 32.6 25.2 37.8



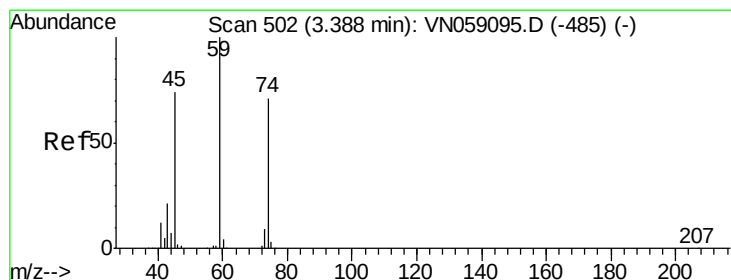
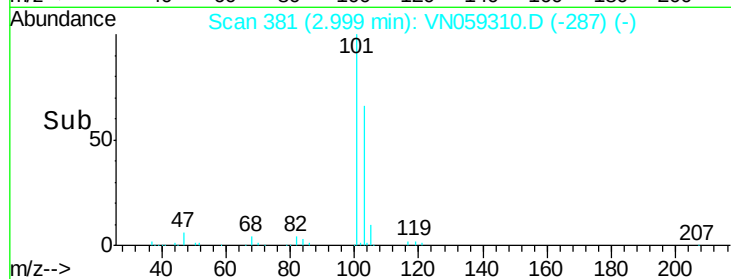
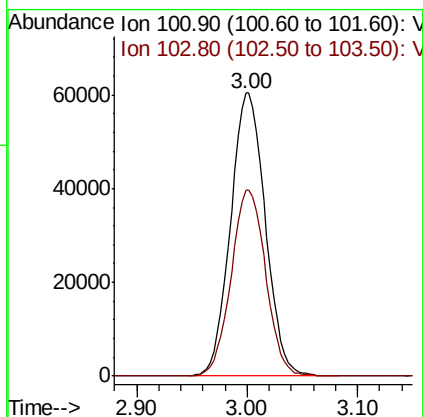
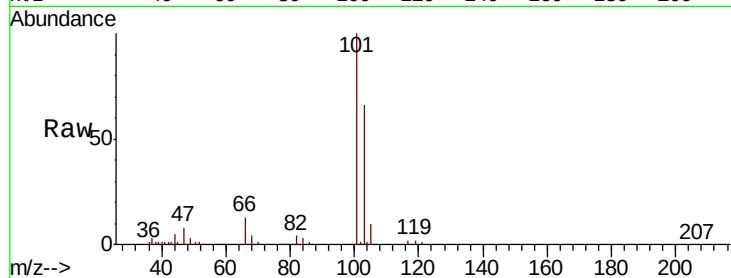


#7

Trichlorofluoromethane
Concen: 23.141 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :

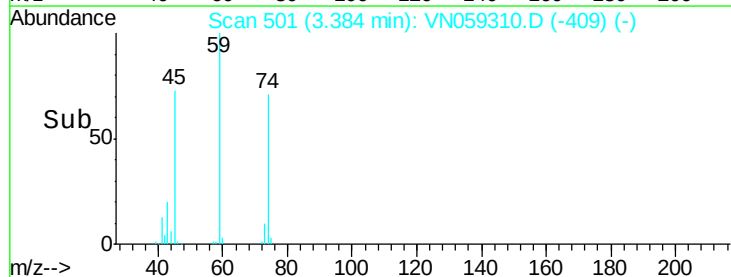
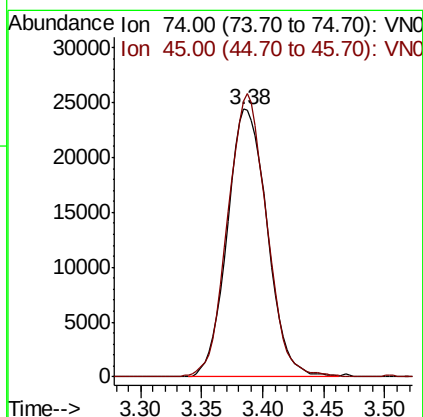
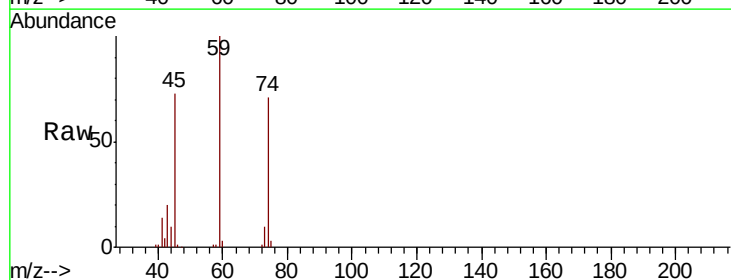
Tot Ion:101 Resp: 131945
Ion Ratio Lower Upper
101 100
103 65.5 51.2 76.8

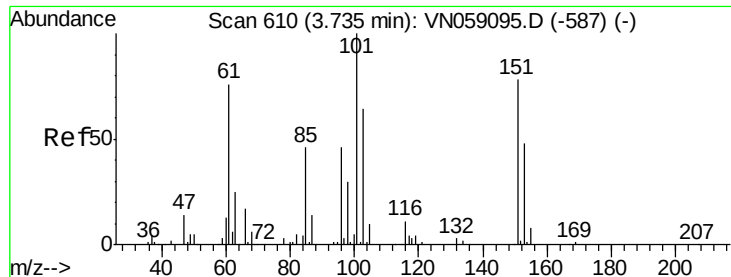


#8

Diethyl Ether
Concen: 23.990 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion: 74 Resp: 55579
Ion Ratio Lower Upper
74 100
45 103.2 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.460 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

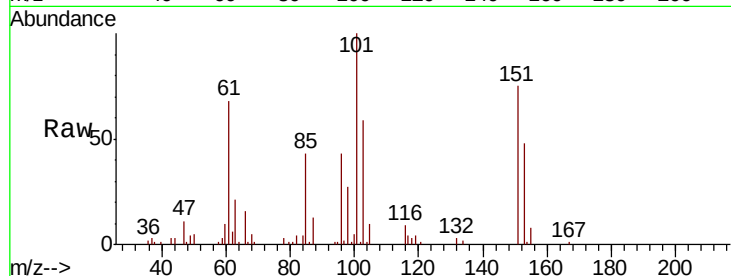
Tot Ion:101 Resp: 84089

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

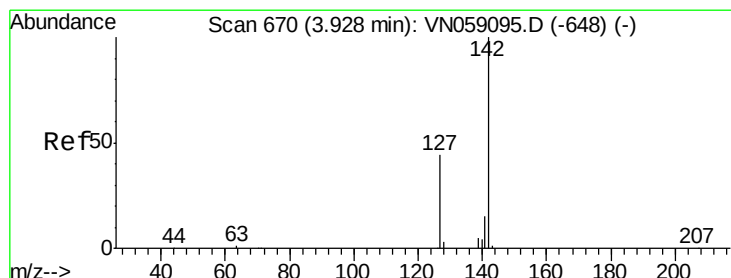
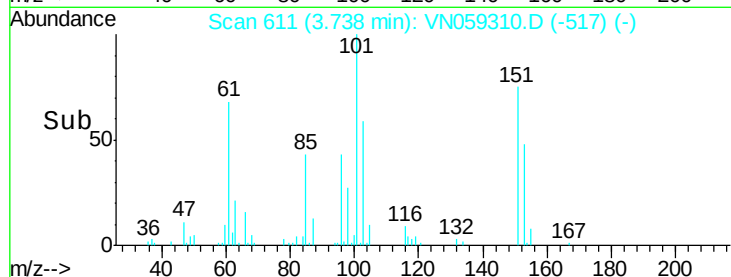
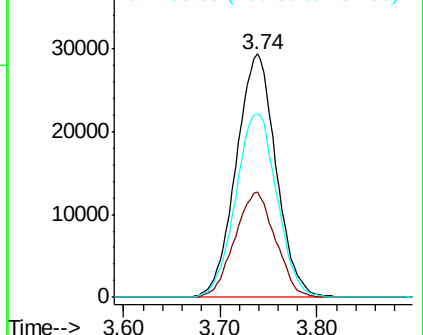
151 78.0 62.2 93.2



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: 22.979 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

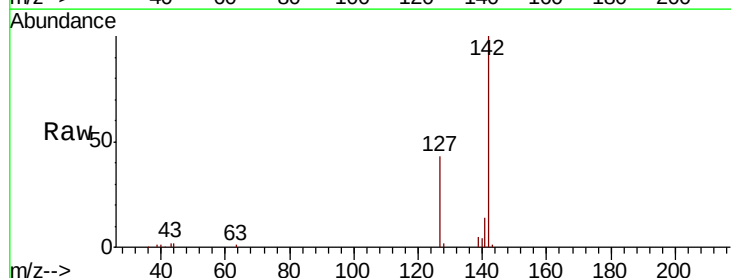
Tgt Ion:142 Resp: 97781

Ion Ratio Lower Upper

142 100

127 43.0 34.2 51.2

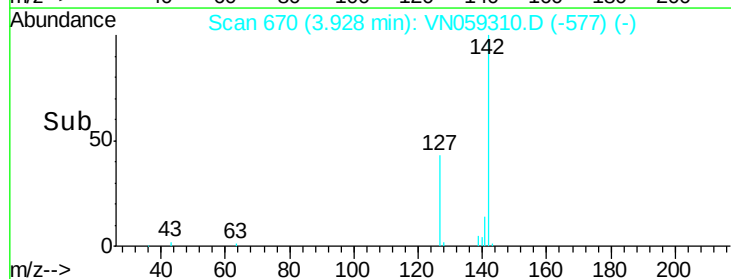
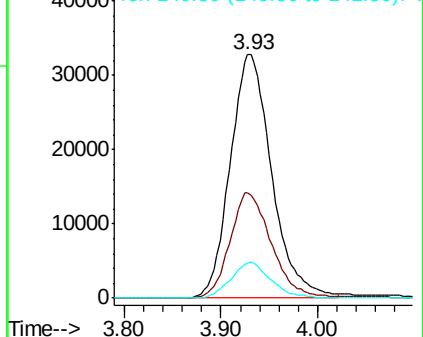
141 13.9 11.4 17.0

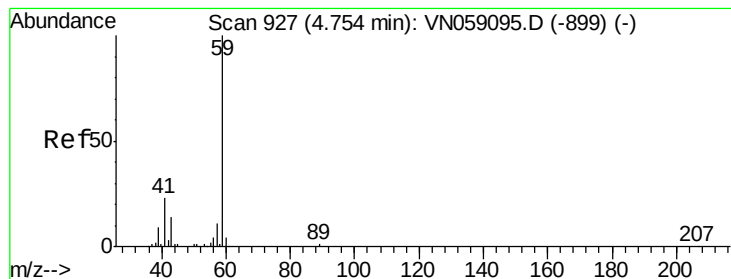


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 100.944 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

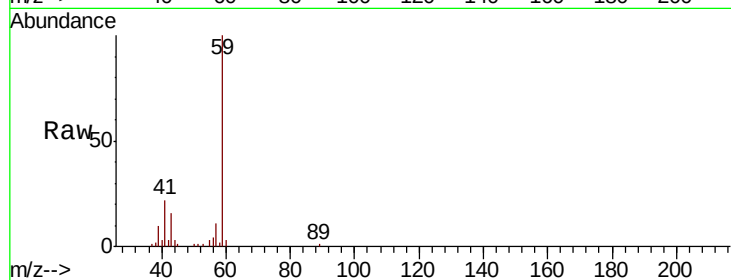
ClientSampled :

Tot Ion: 59 Resp: 84895

Ion Ratio Lower Upper

59 100

57 10.0 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

25000

20000

15000

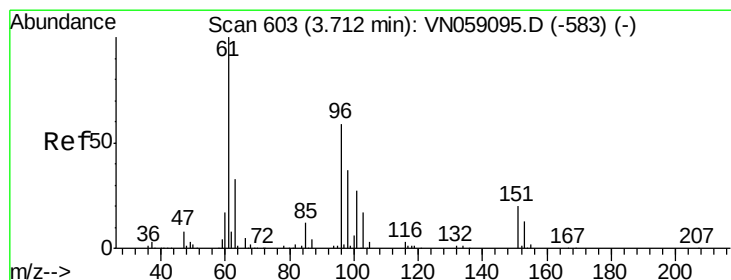
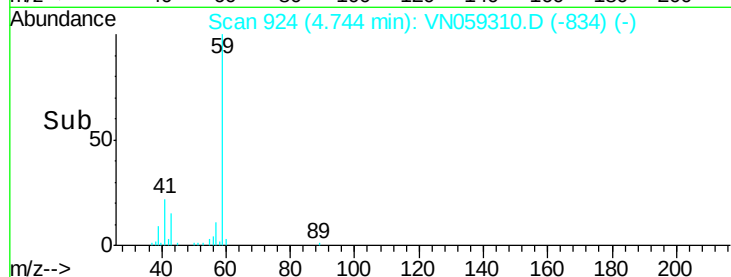
10000

5000

0

4.60 4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 24.435 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

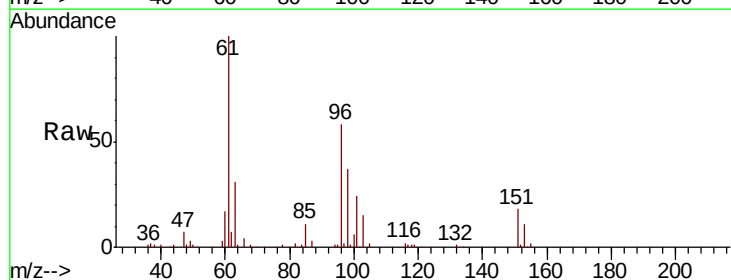
Tgt Ion: 96 Resp: 81828

Ion Ratio Lower Upper

96 100

61 171.9 136.5 204.7

98 63.9 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

60000

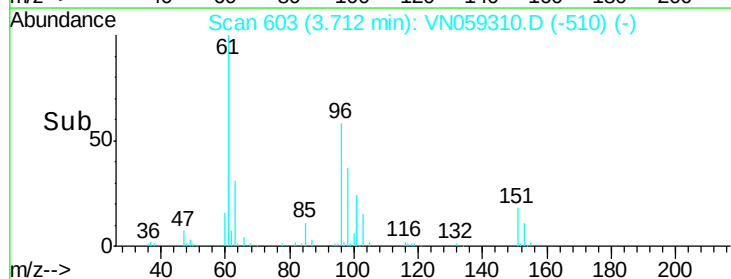
40000

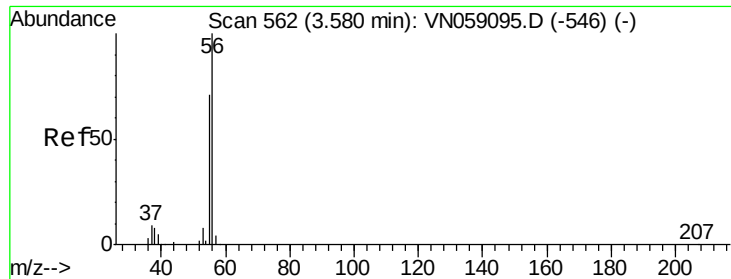
20000

0

3.60 3.70 3.80

Time-->





#13

Acrolein

Concen: 77.134 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

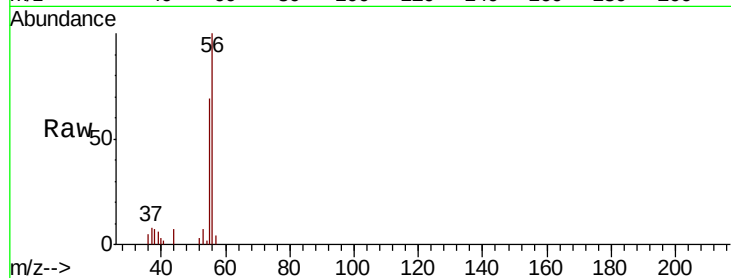
ClientSampled :

Tot Ion: 56 Resp: 33446

Ion Ratio Lower Upper

56 100

55 71.6 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

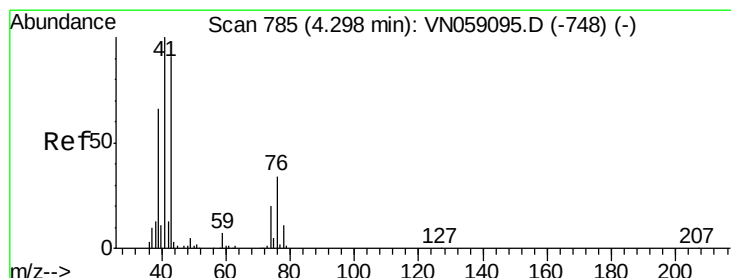
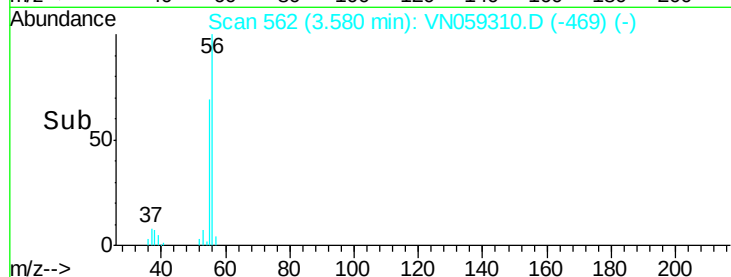
10000

5000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 22.077 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

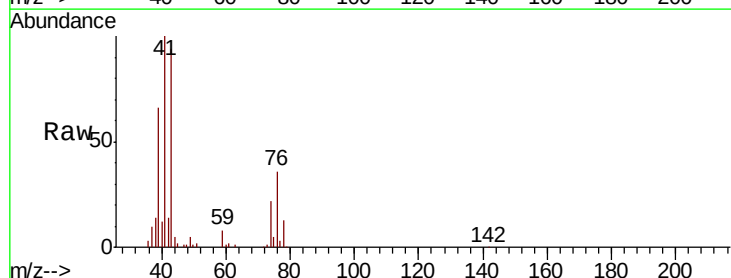
Tgt Ion: 41 Resp: 151868

Ion Ratio Lower Upper

41 100

39 62.1 49.1 73.7

76 33.5 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

60000

50000

40000

30000

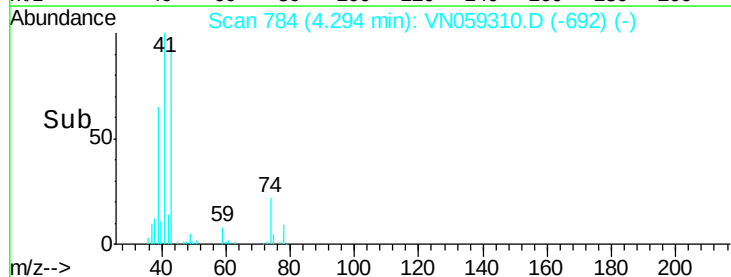
20000

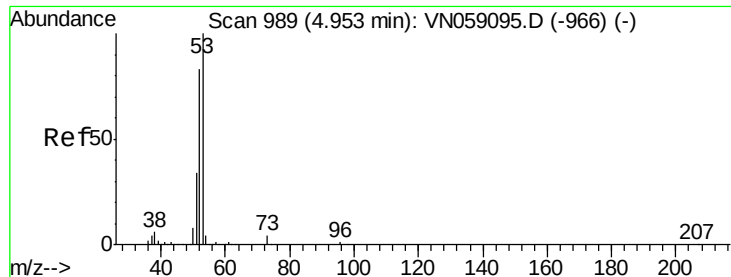
10000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 109.783 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

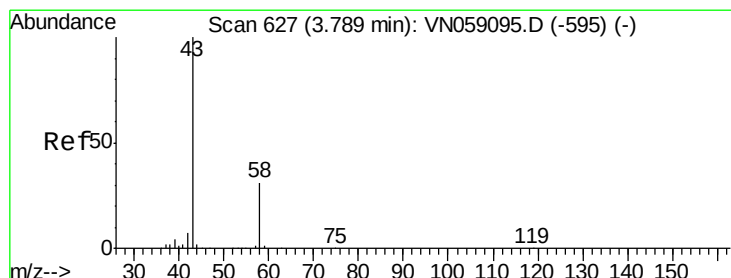
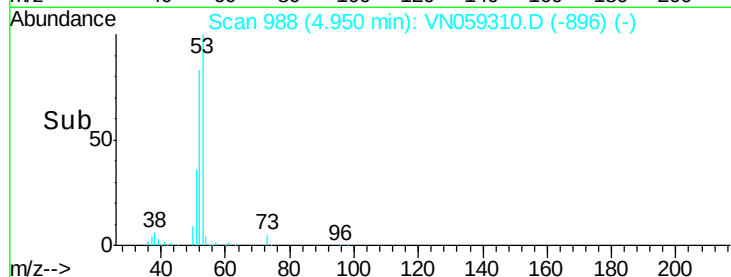
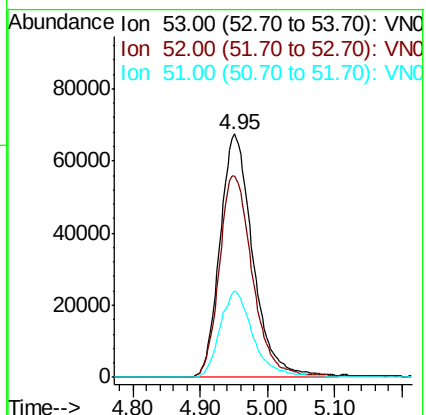
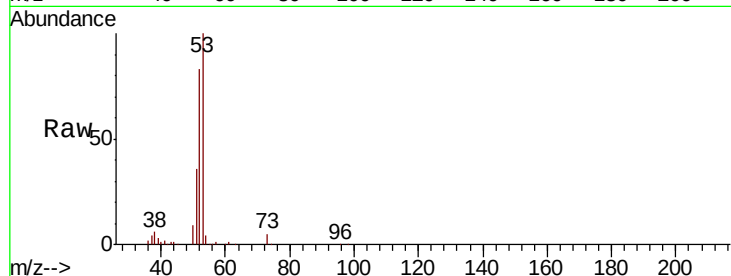
Tot Ion: 53 Resp: 229774

Ion Ratio Lower Upper

53 100

52 82.9 65.0 97.6

51 35.7 28.0 42.0



#16

Acetone

Concen: 114.516 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059310.D

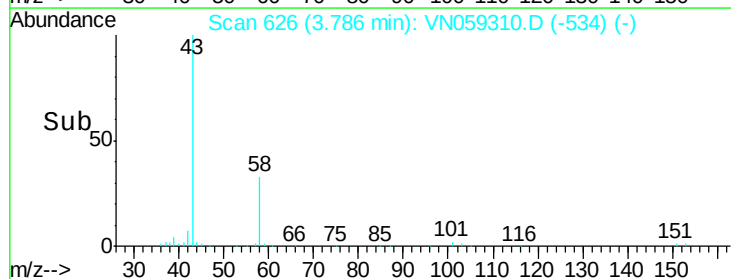
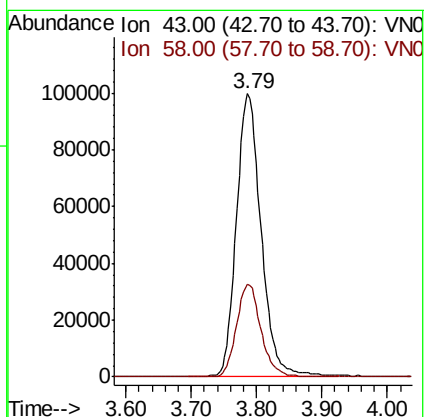
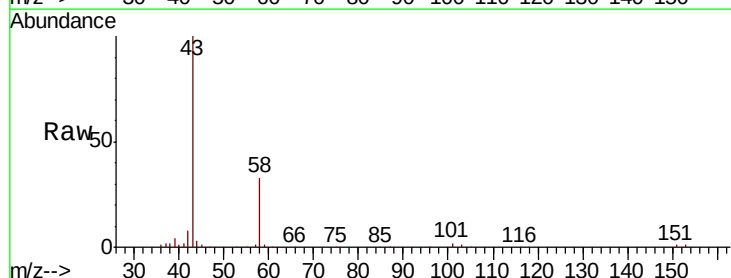
Acq: 19 Nov 2019 17:02

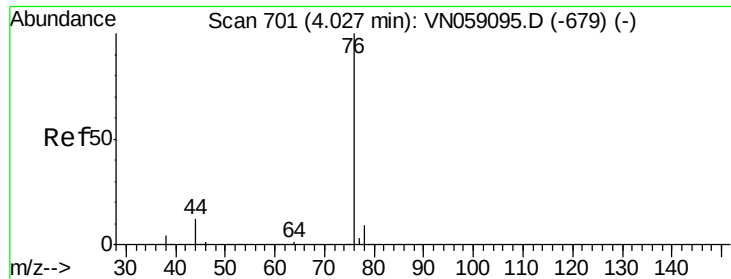
Tgt Ion: 43 Resp: 262793

Ion Ratio Lower Upper

43 100

58 32.6 24.9 37.3





#17

Carbon Disulfide

Concen: 24.971 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

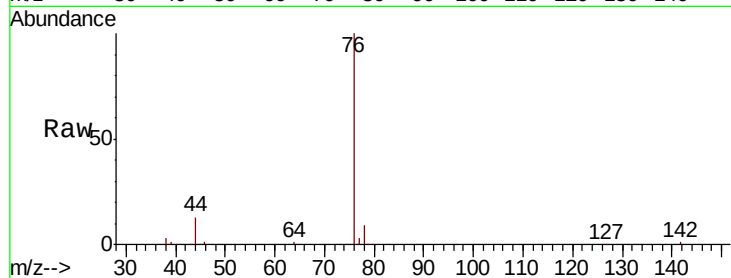
ClientSampled :

Tot Ion: 76 Resp: 259591

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

100000

80000

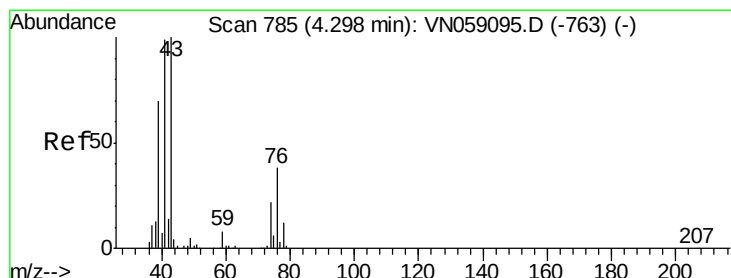
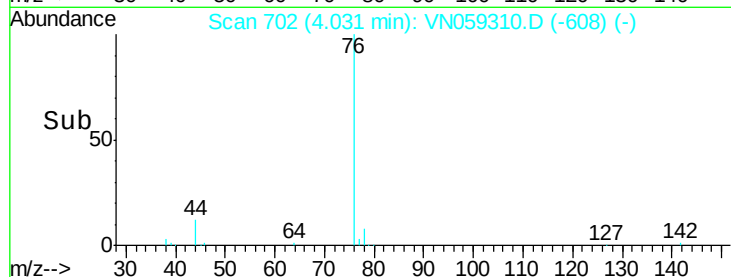
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 24.640 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059310.D

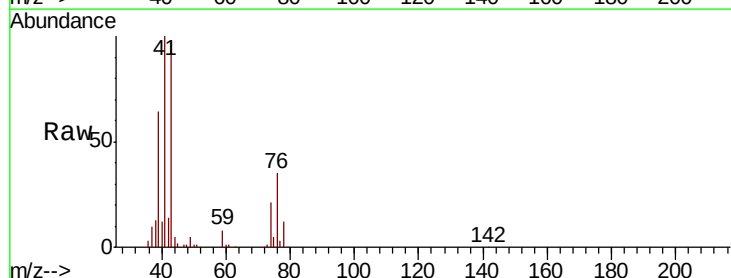
Acq: 19 Nov 2019 17:02

Tgt Ion: 43 Resp: 134211

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

50000

40000

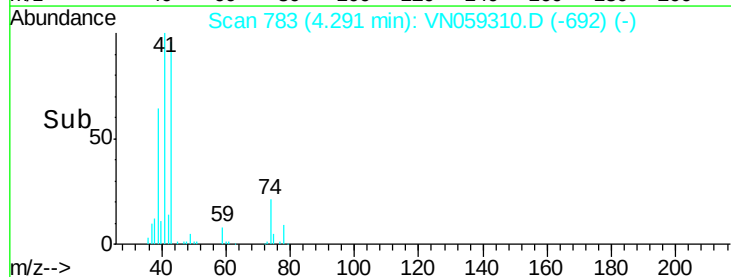
30000

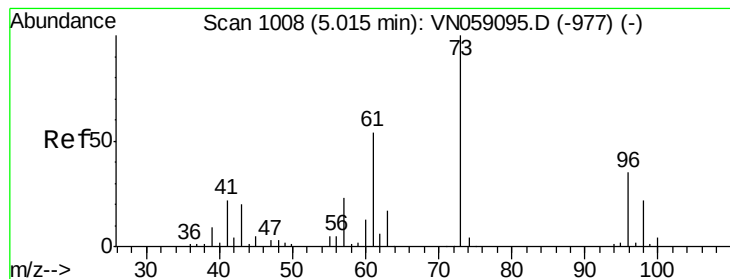
20000

10000

0

Time-->



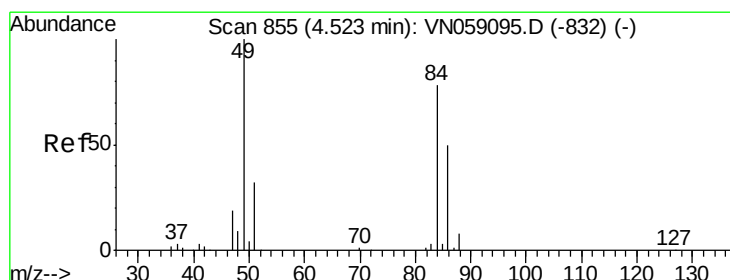
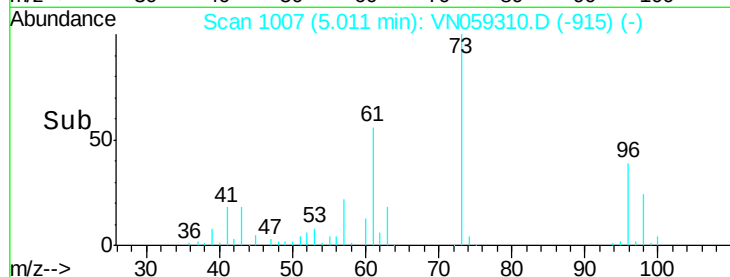
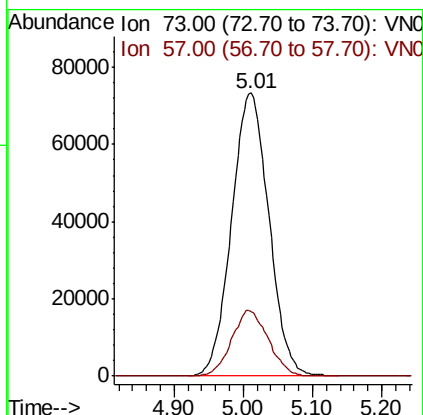
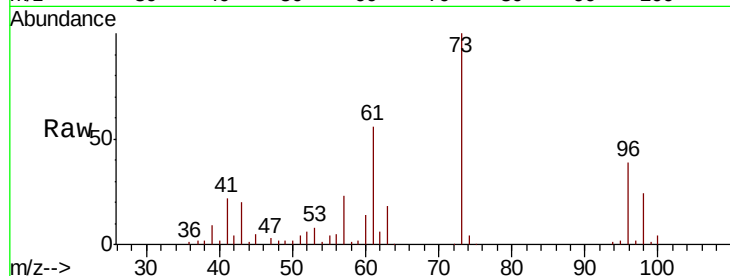


#19

Methyl tert-butyl Ether
 Concen: 23.814 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :

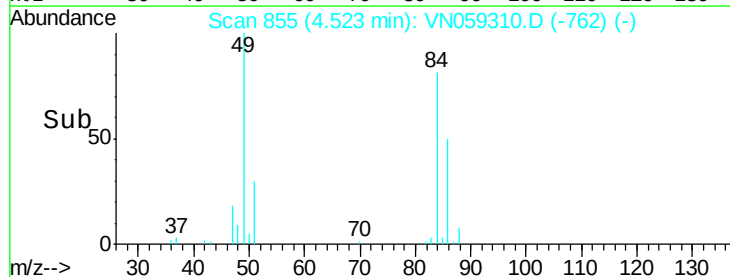
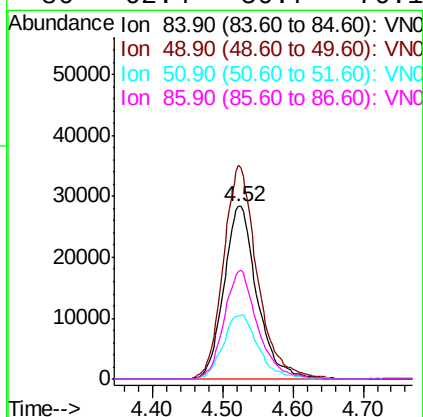
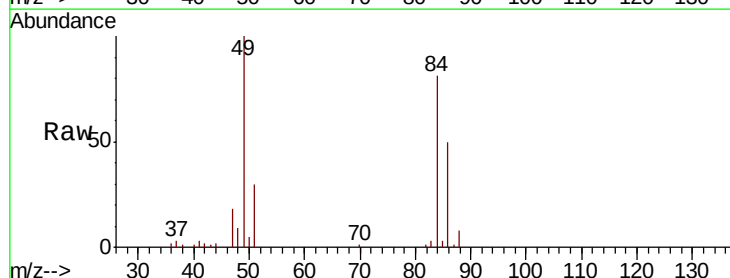
Tot Ion: 73 Resp: 274570
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.4 27.6

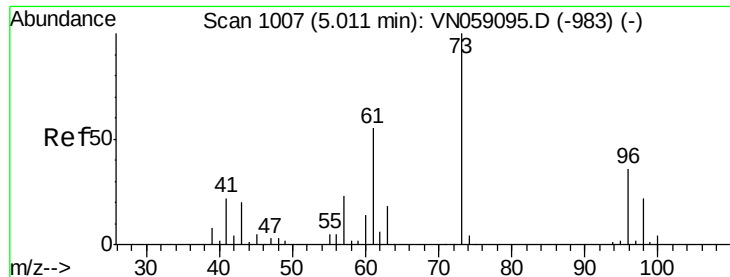


#20

Methylene Chloride
 Concen: 23.348 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion: 84 Resp: 93345
 Ion Ratio Lower Upper
 84 100
 49 123.8 102.0 153.0
 51 36.6 32.2 48.2
 86 62.4 50.7 76.1

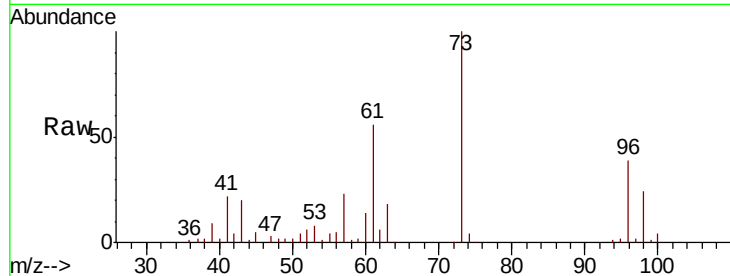




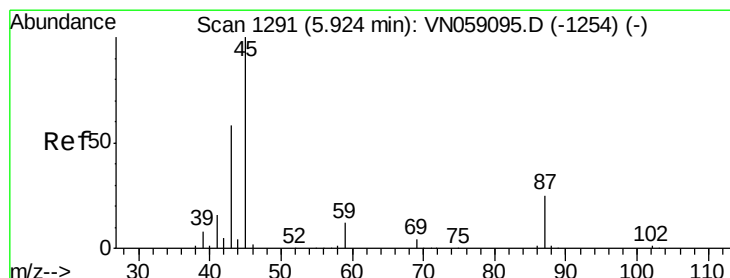
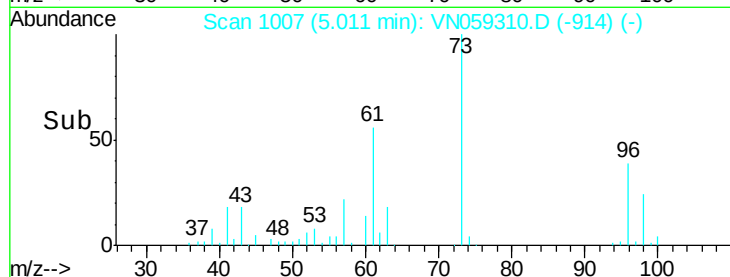
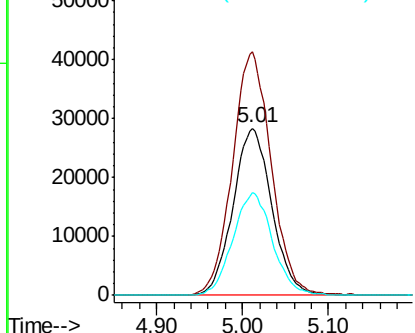
#21
trans-1,2-Dichloroethene
Concen: 24.733 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 88907
Ion Ratio Lower Upper
96 100
61 145.9 122.6 183.8
98 61.4 50.3 75.5

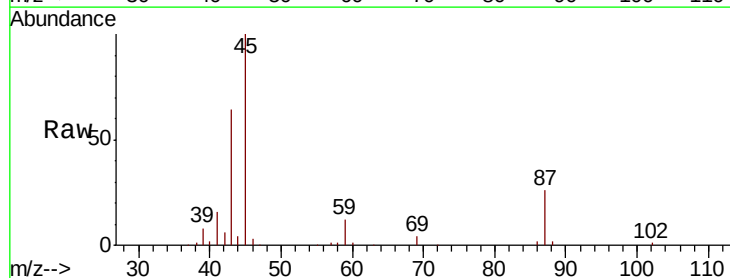


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

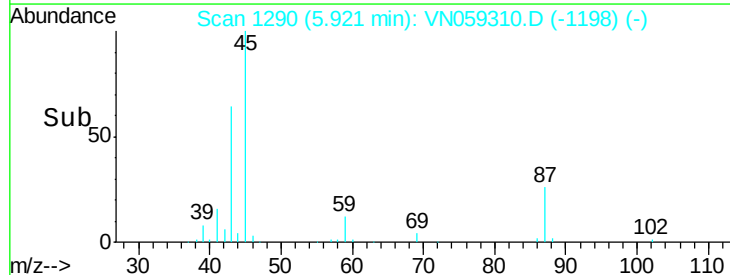
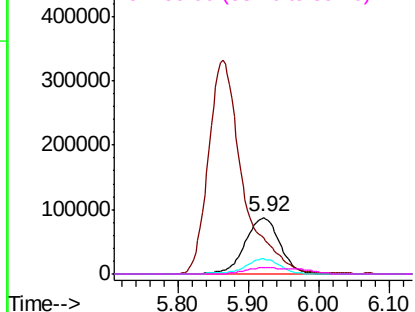


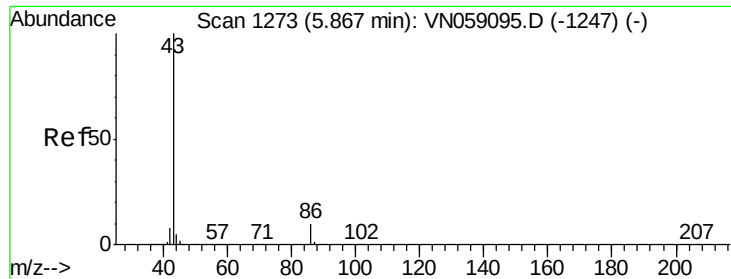
#22
Diisopropyl ether
Concen: 23.107 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion: 45 Resp: 300232
Ion Ratio Lower Upper
45 100
43 62.1 46.7 70.1
87 26.2 20.5 30.7
59 11.7 9.6 14.4



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

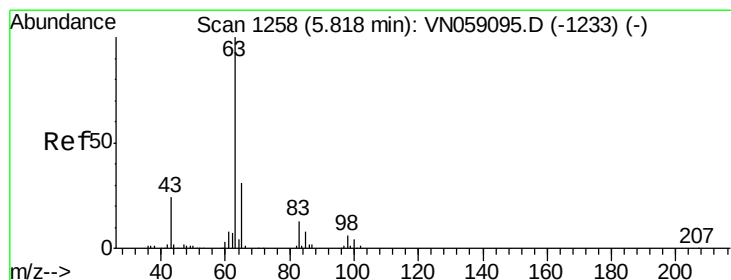
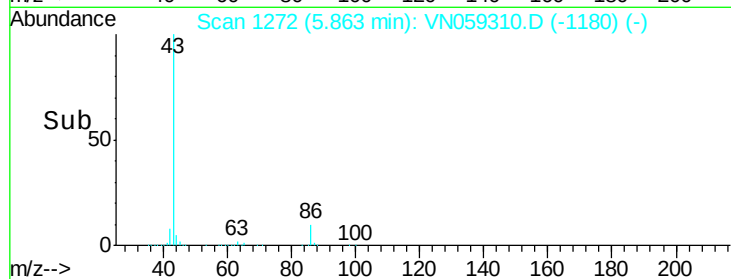
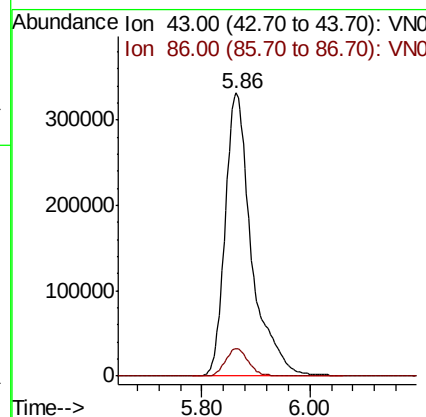
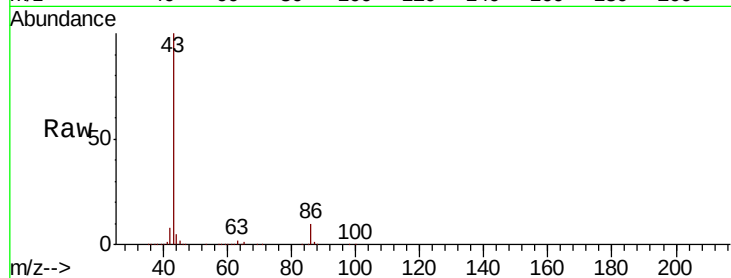




#23
 Vinyl Acetate
 Concen: 111.983 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

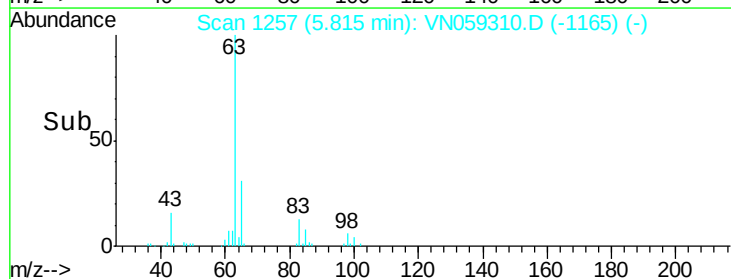
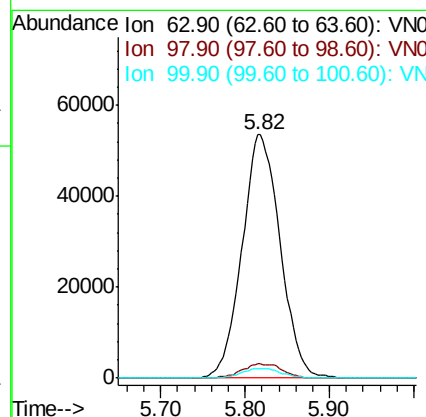
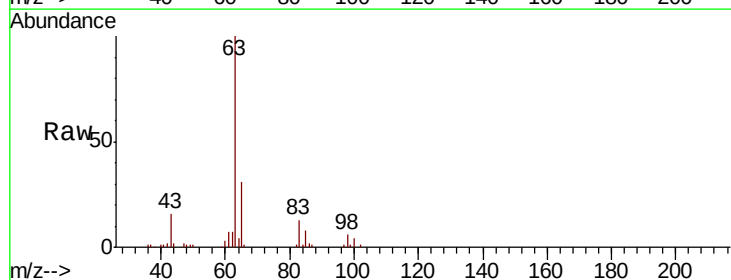
Instrument :
 MSVOA_N
 ClientSampleId :

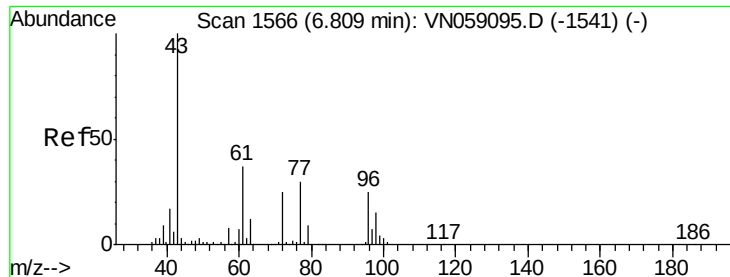
Tot Ion: 43 Resp: 1127677
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 23.183 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion: 63 Resp: 168242
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 108.524 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

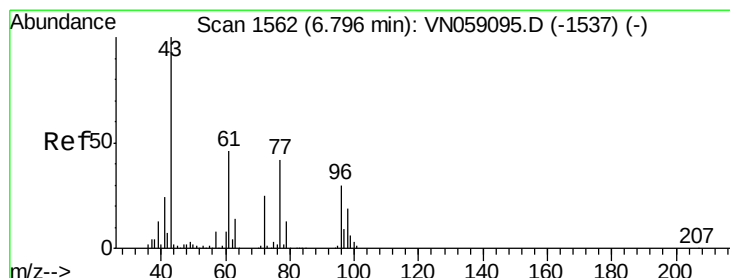
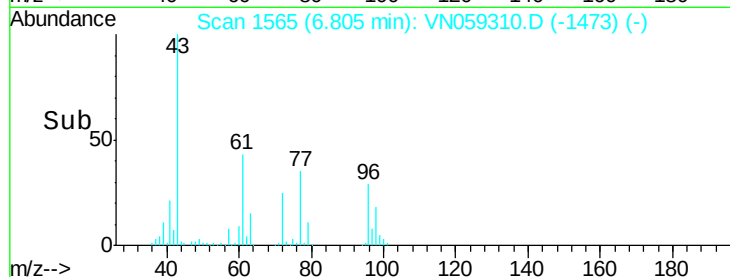
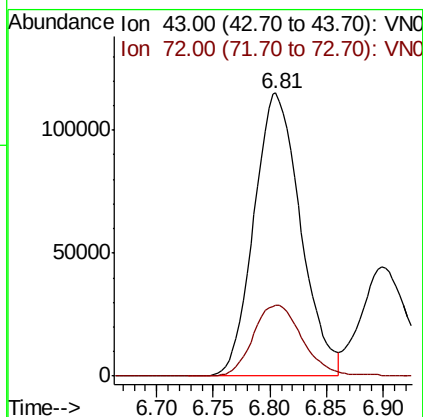
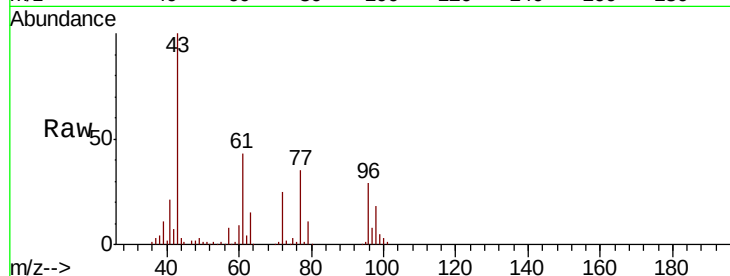
ClientSampled :

Tot Ion: 43 Resp: 328224

Ion Ratio Lower Upper

43 100

72 25.1 20.3 30.5



#26

2,2-Dichloropropane

Concen: 22.454 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059310.D

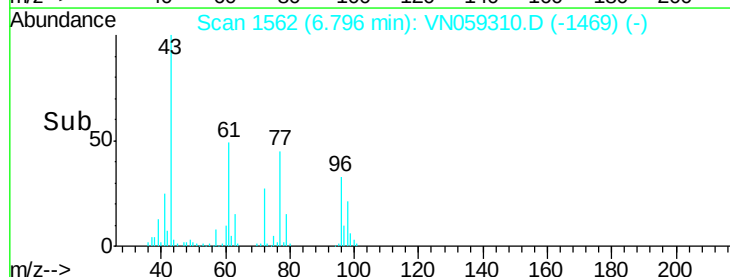
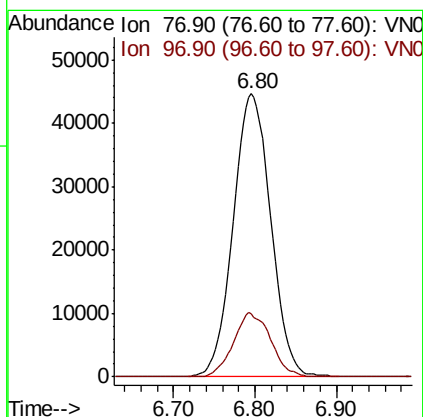
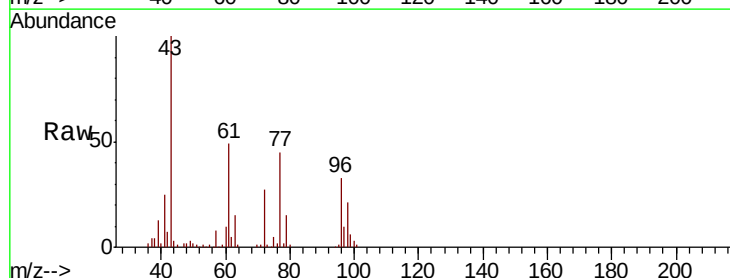
Acq: 19 Nov 2019 17:02

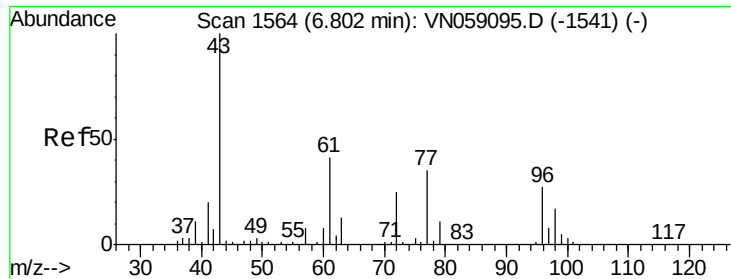
Tgt Ion: 77 Resp: 142489

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 23.736 ug/l

RT: 6.80 min Scan# 1564

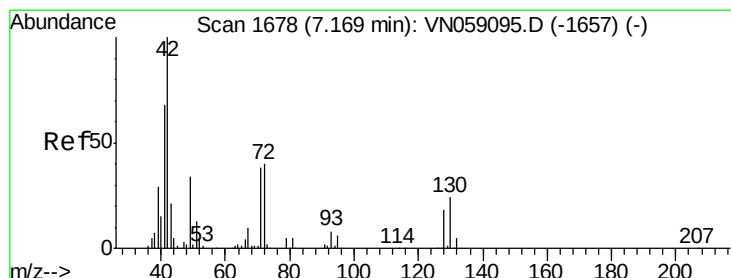
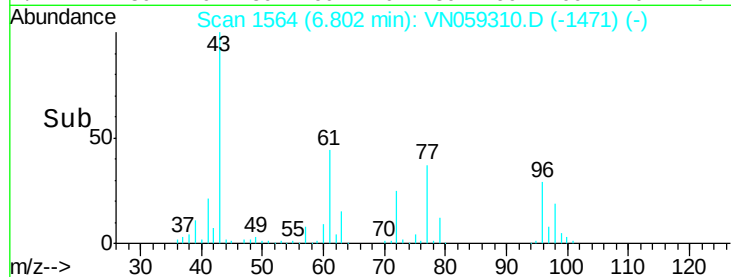
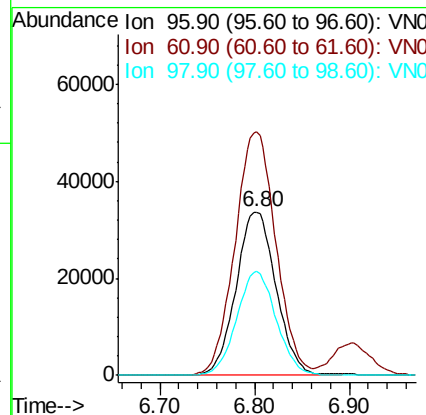
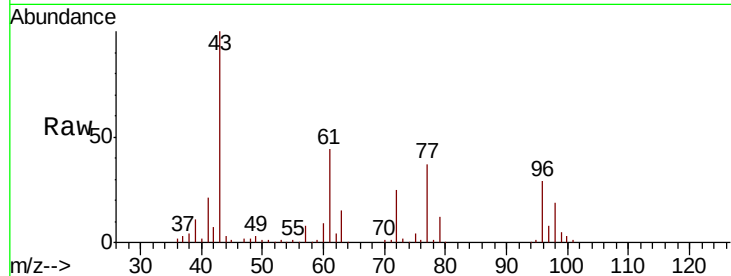
Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	96	Resp:	98986
Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	311.6
98	62.9	0.0	129.8



#28

Bromochloromethane

Concen: 22.288 ug/l

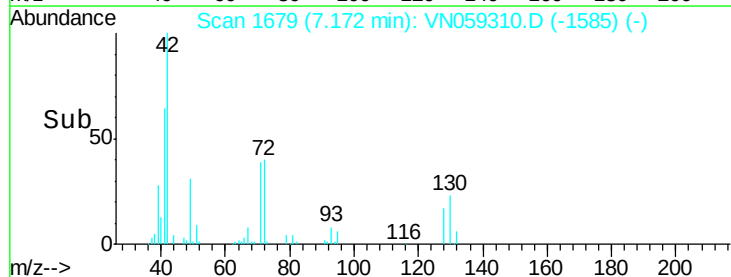
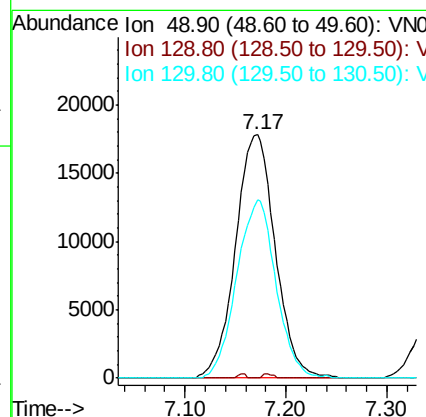
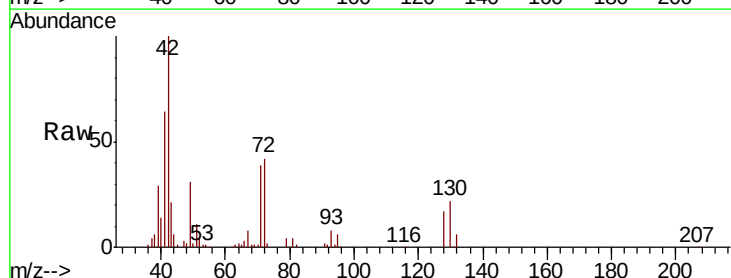
RT: 7.17 min Scan# 1679

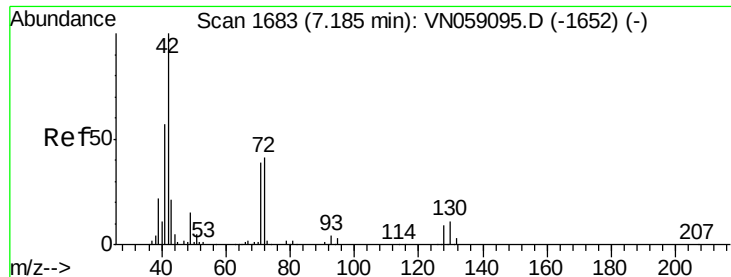
Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion:	49	Resp:	48663
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.8
130	72.5	55.6	83.4

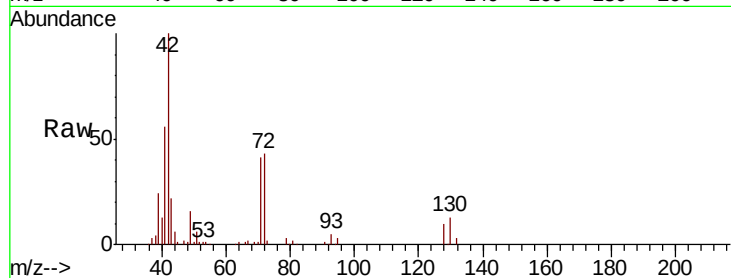




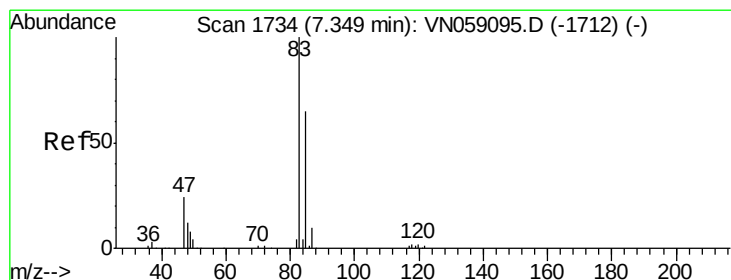
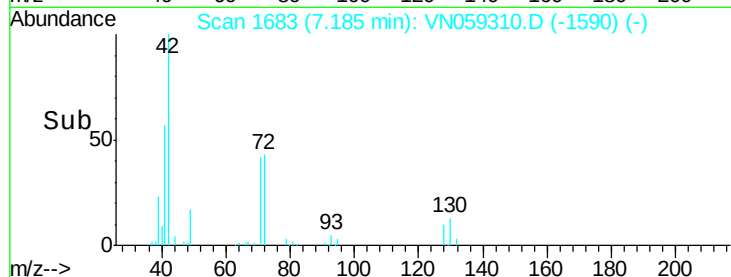
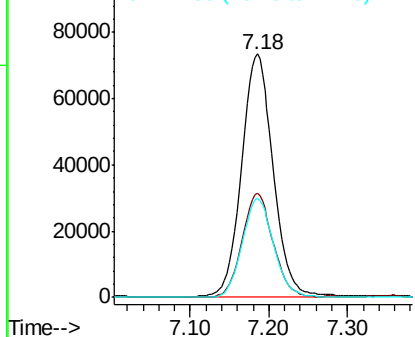
#29
Tetrahydrofuran
Concen: 108.692 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.1	49.7
71	40.1	30.9	46.3

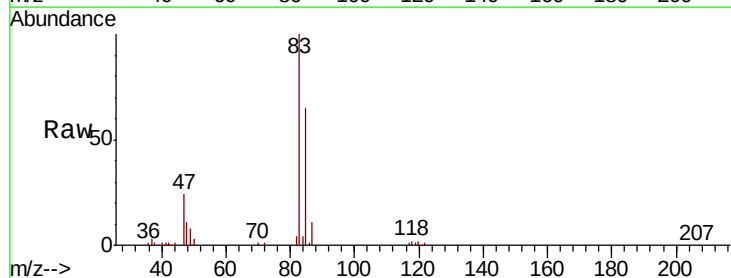


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

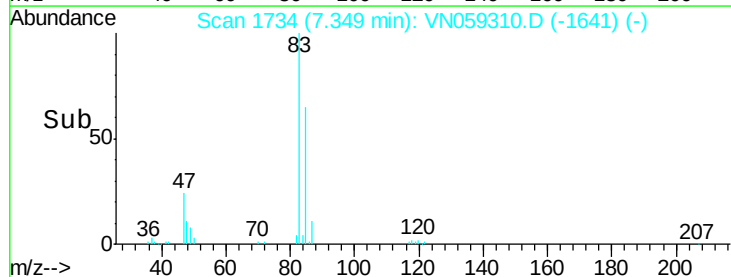
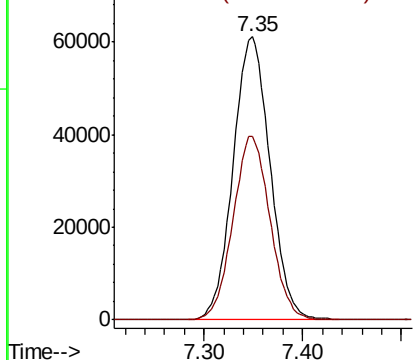


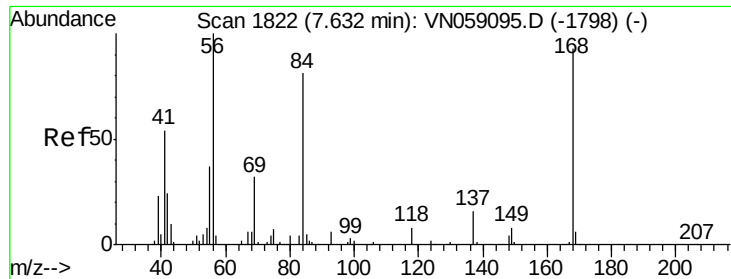
#30
Chloroform
Concen: 22.801 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8



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

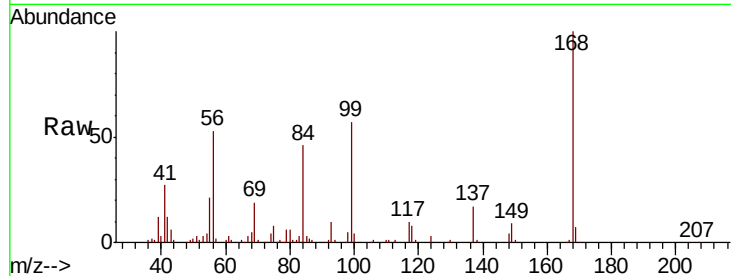




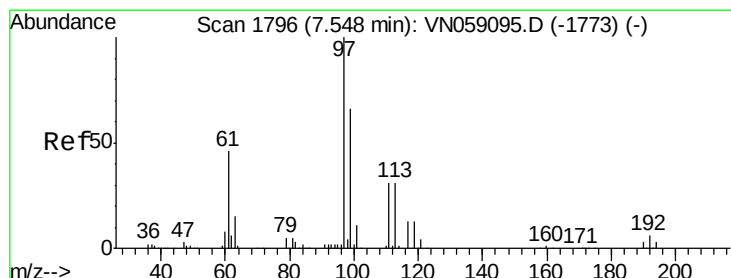
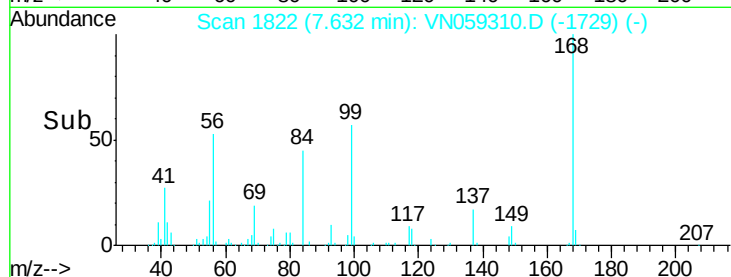
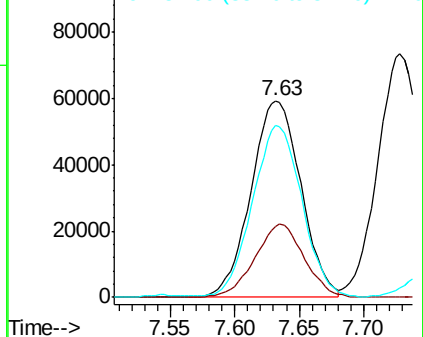
#31
Cyclohexane
Concen: 23.297 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 160054
Ion Ratio Lower Upper
56 100
69 36.0 25.8 38.8
84 86.4 65.0 97.4

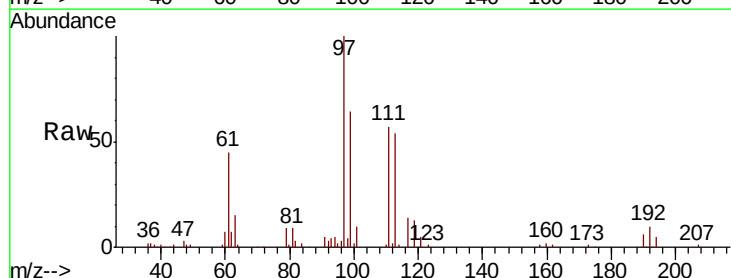


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

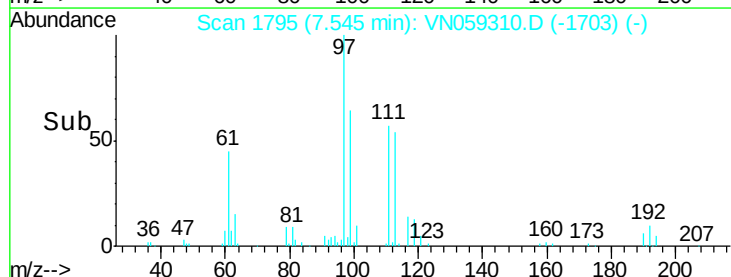
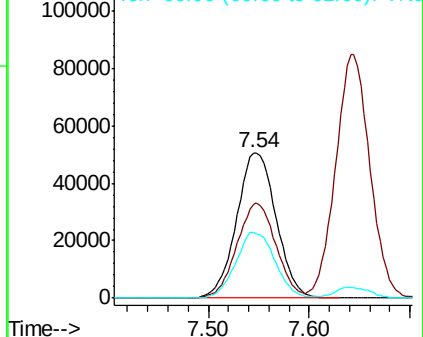


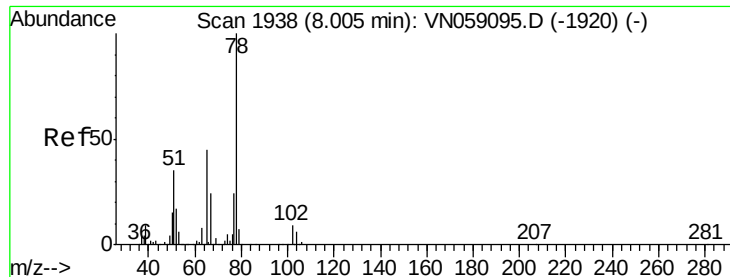
#32
1,1,1-Trichloroethane
Concen: 23.486 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion: 97 Resp: 137462
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.6
61 45.1 35.8 53.8



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

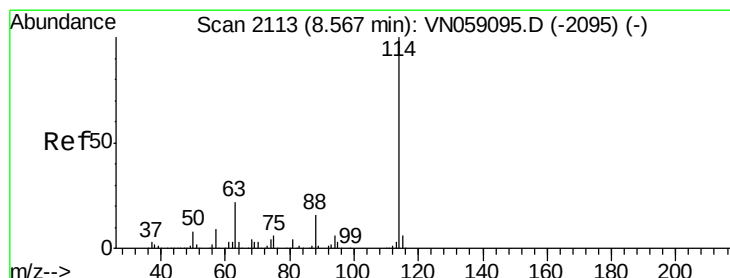
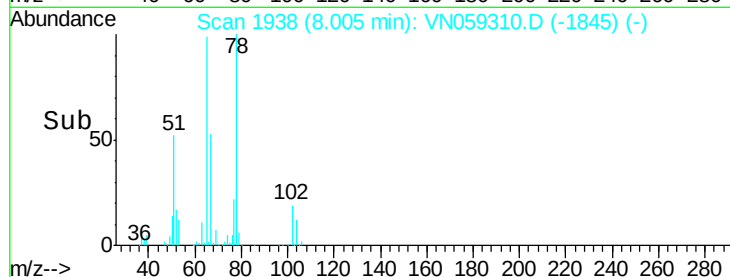
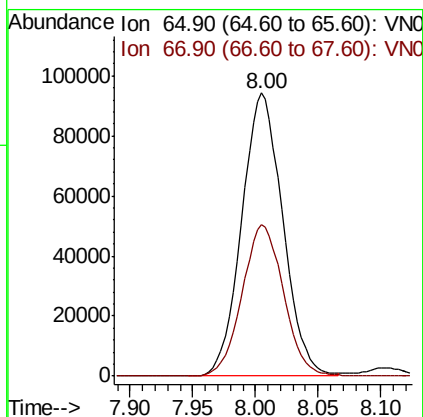
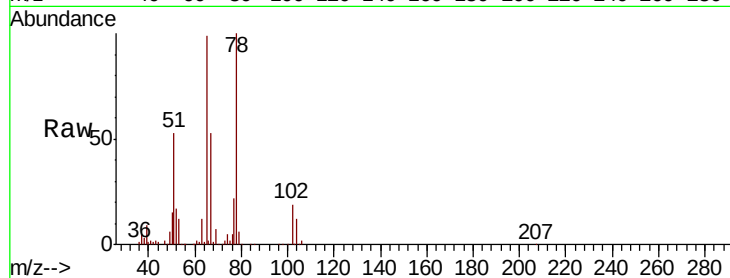




#33
 1,2-Dichloroethane-d4
 Concen: 48.704 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

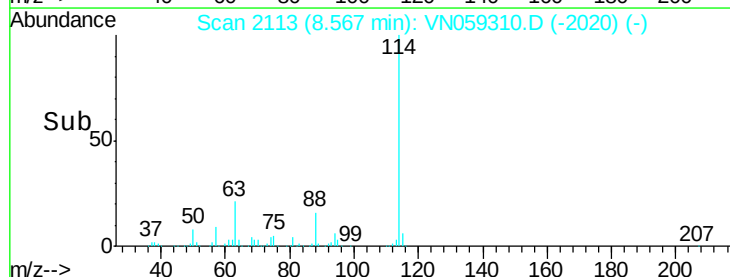
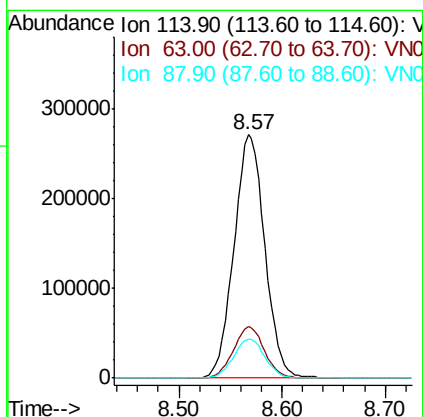
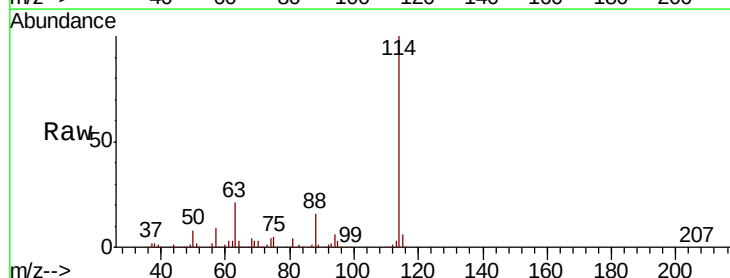
Instrument :
 MSVOA_N
 ClientSampleId :

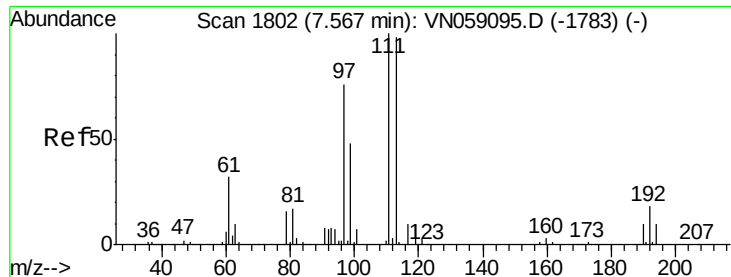
Tot Ion: 65 Resp: 214928
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion: 114 Resp: 563706
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.4
 88 16.0 0.0 32.2

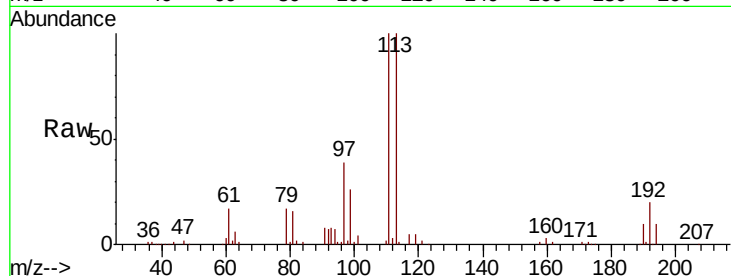




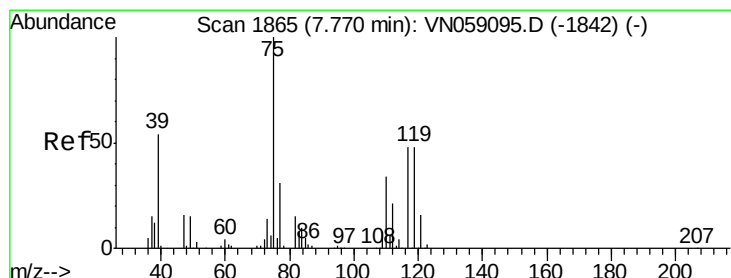
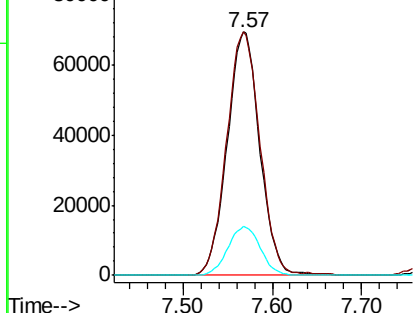
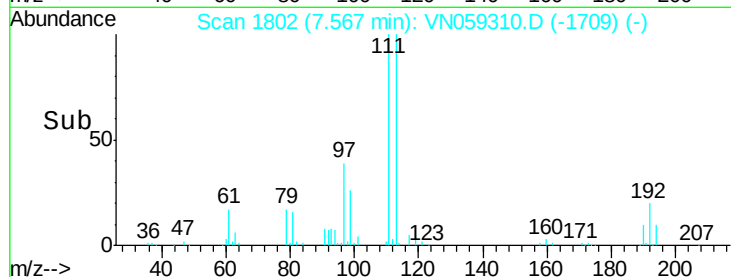
#35
 Dibromofluoromethane
 Concen: 51.995 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.8	124.2
192	20.0	16.1	24.1

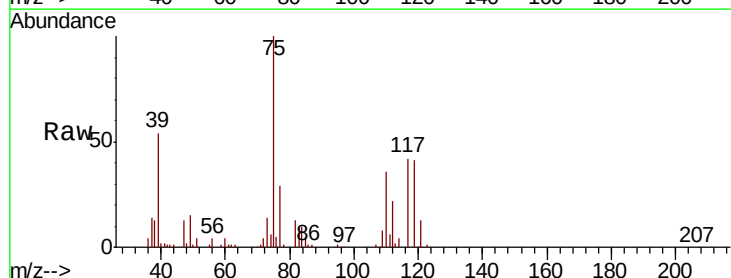


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

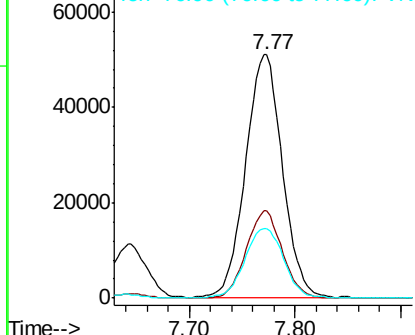
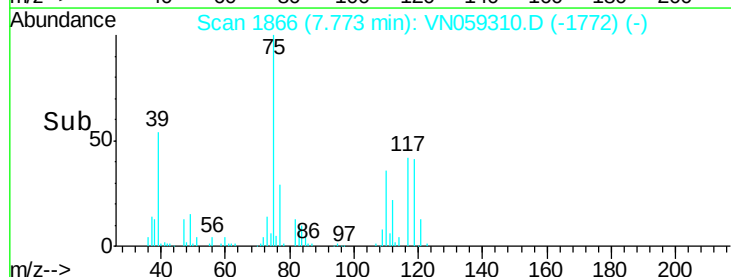


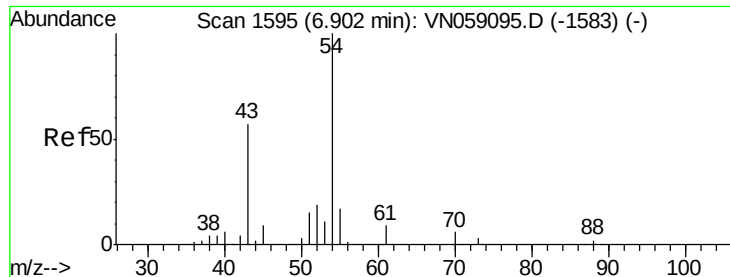
#36
 1,1-Dichloropropene
 Concen: 23.482 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.1	51.2
77	30.4	24.8	37.2



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

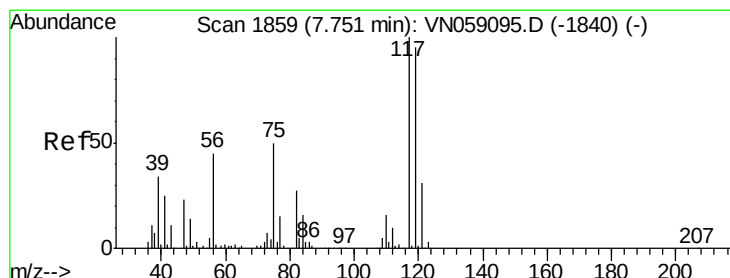
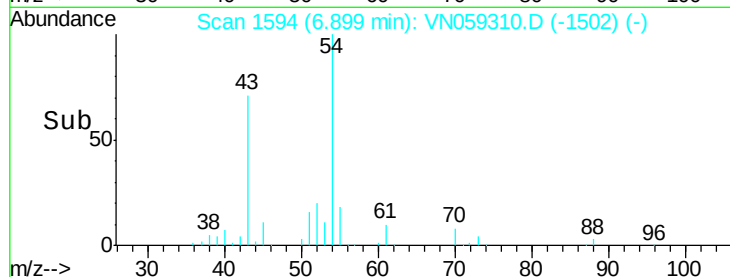
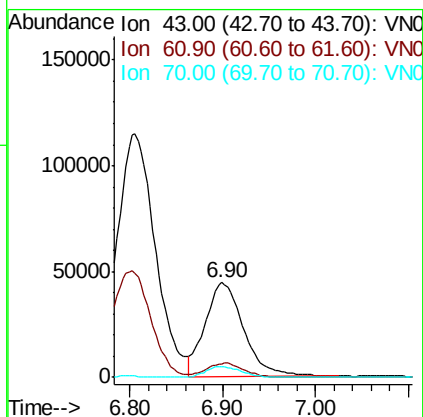
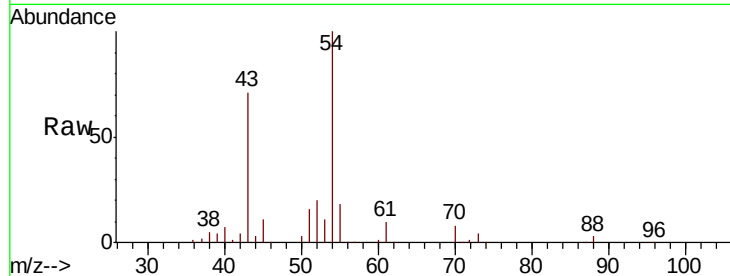




#37
Ethyl Acetate
Concen: 21.781 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

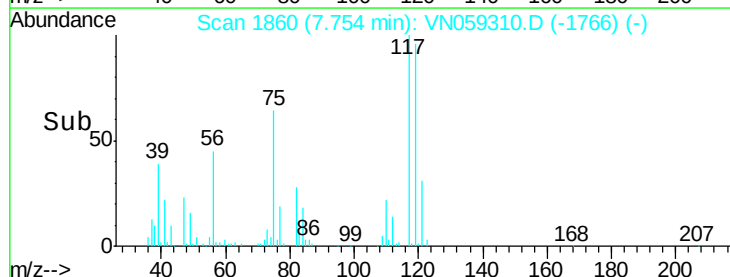
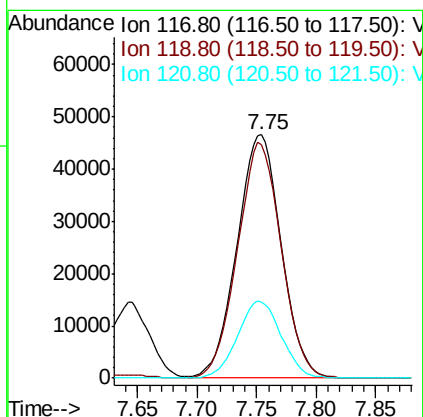
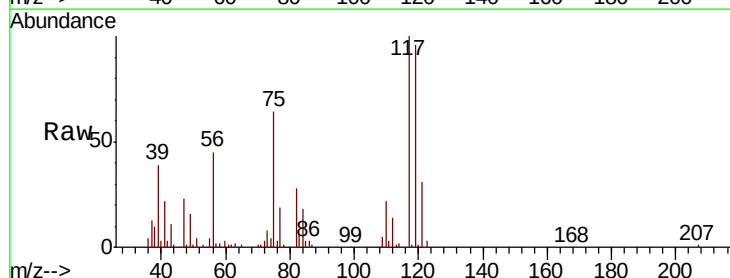
Instrument :
MSVOA_N
ClientSampled :

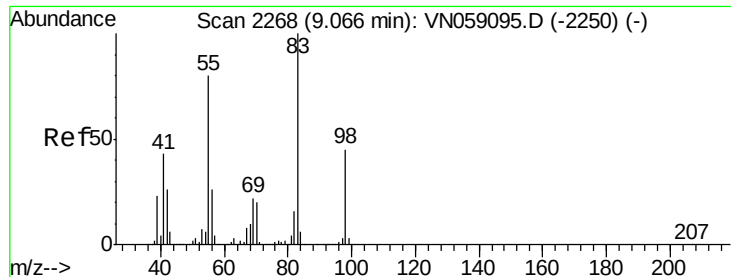
Tot Ion: 43 Resp: 127672
Ion Ratio Lower Upper
43 100
61 15.0 11.2 16.8
70 10.5 7.8 11.8



#38
Carbon Tetrachloride
Concen: 22.863 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion: 117 Resp: 119902
Ion Ratio Lower Upper
117 100
119 95.7 75.6 113.4
121 31.1 24.6 36.8

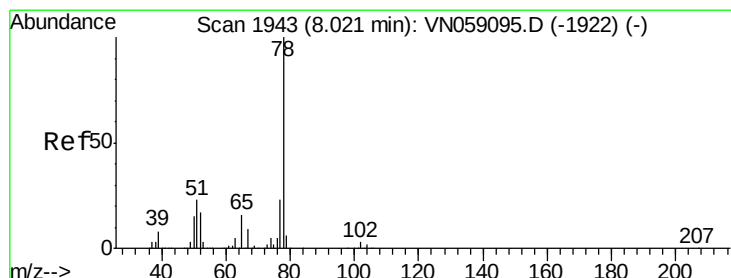
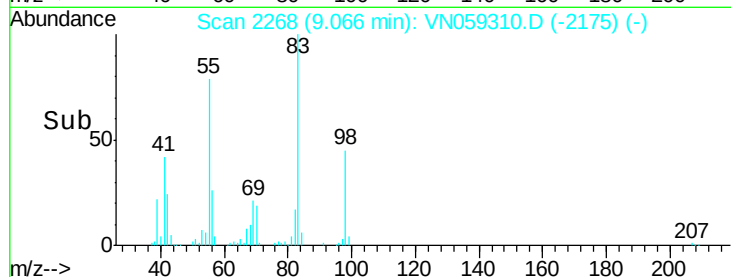
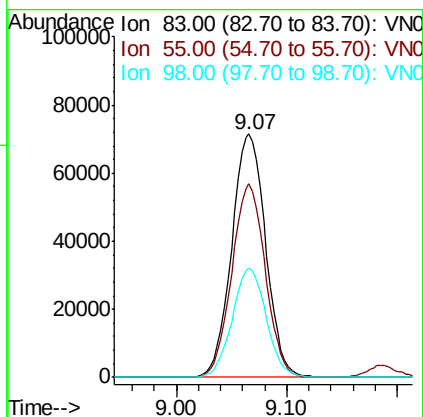
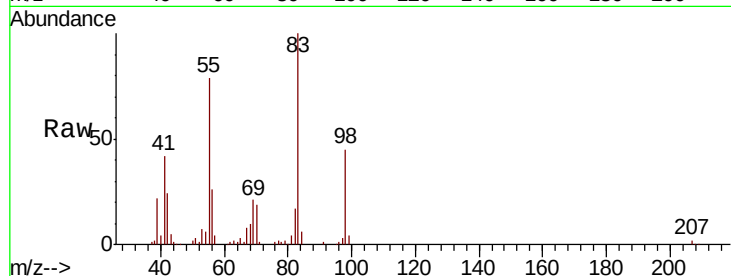




#39
Methylvlcyclohexane
Concen: 24.942 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

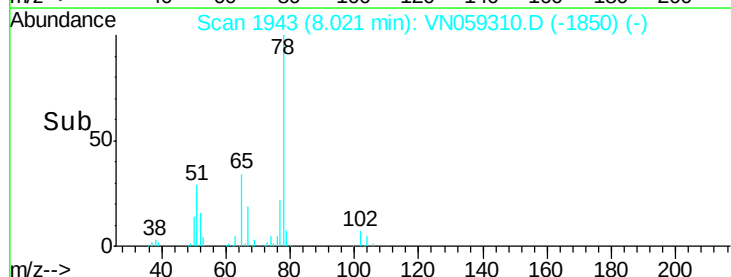
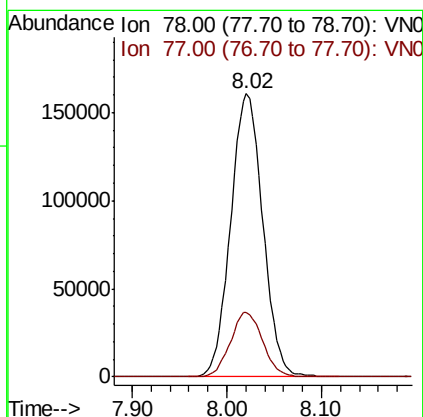
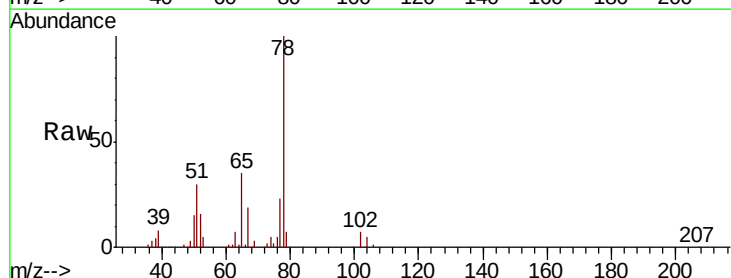
Instrument :
MSVOA_N
ClientSampled :

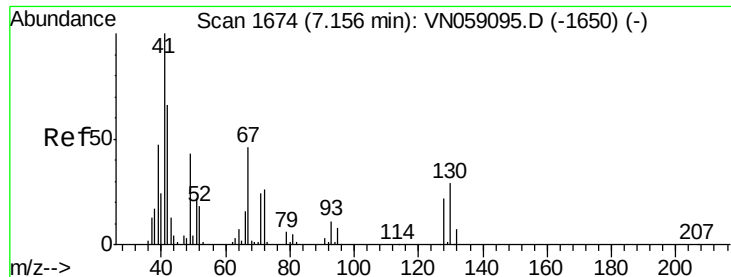
Tot Ion: 83 Resp: 152523
Ion Ratio Lower Upper
83 100
55 79.4 63.9 95.9
98 44.9 35.6 53.4



#40
Benzene
Concen: 23.935 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion: 78 Resp: 379772
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2

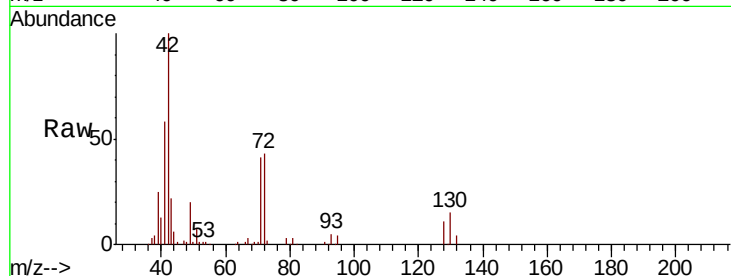




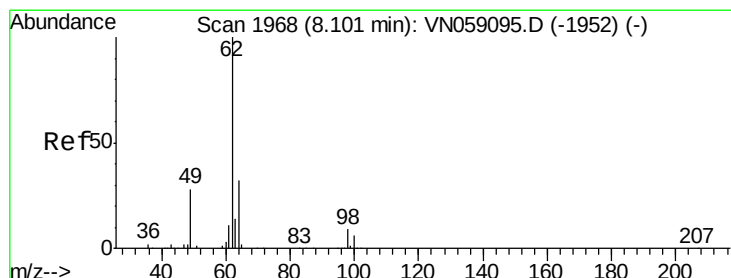
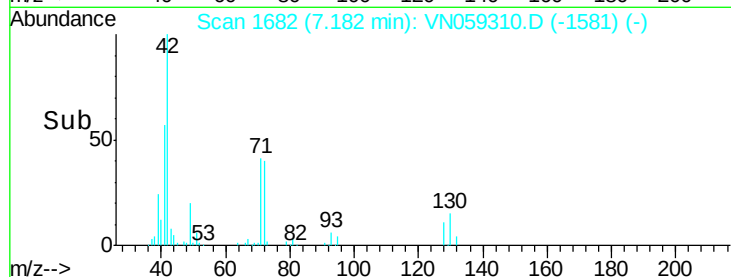
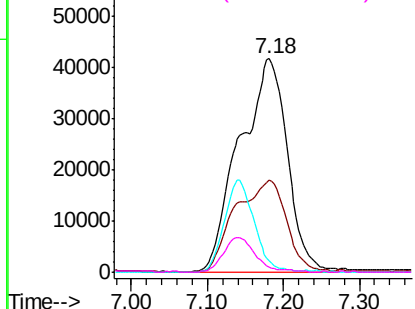
#41
Methacrylonitrile
Concen: 71.466 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	182158
Ion	Ratio	Lower	Upper
41	100		
39	46.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

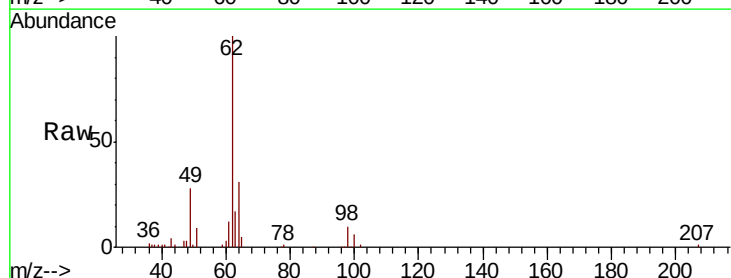


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

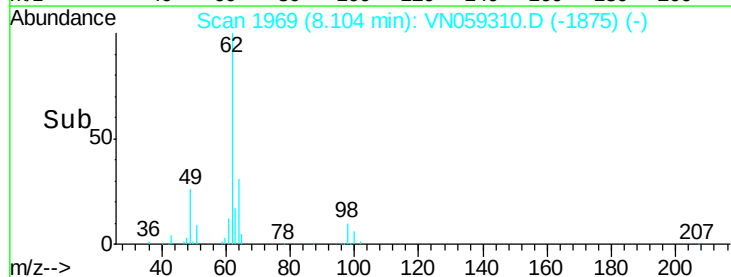
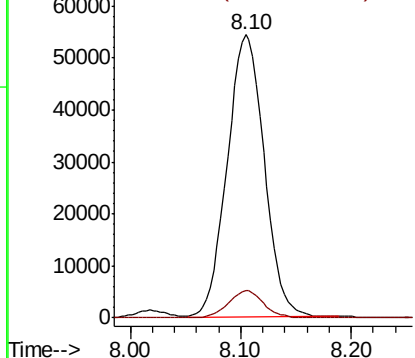


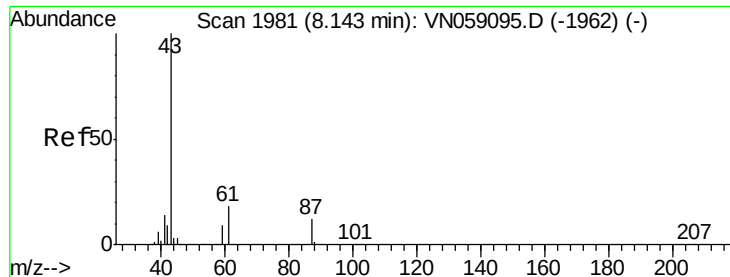
#42
1,2-Dichloroethane
Concen: 23.225 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion:	62	Resp:	126387
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 21.718 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

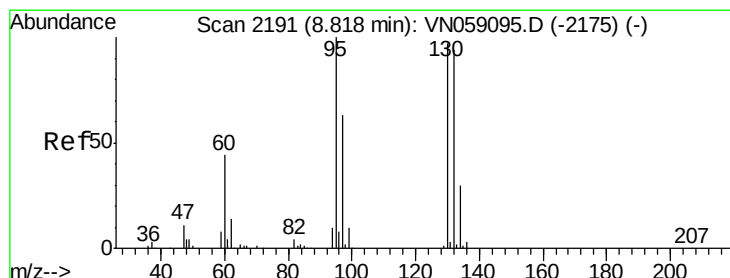
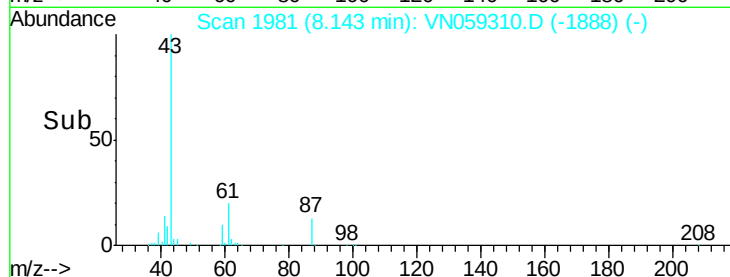
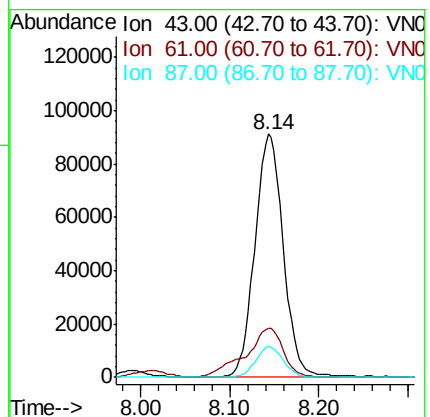
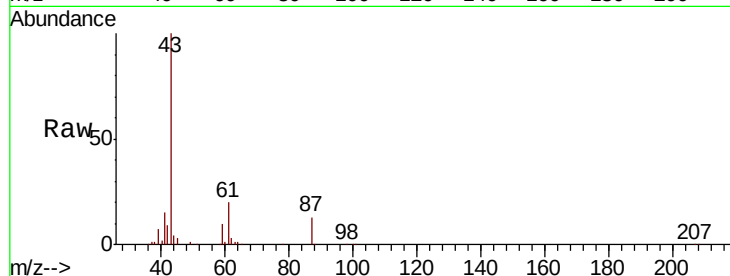
Tot Ion: 43 Resp: 202953

Ion Ratio Lower Upper

43 100

61 27.0 21.0 31.6

87 12.4 9.8 14.6



#44

Trichloroethene

Concen: 24.080 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059310.D

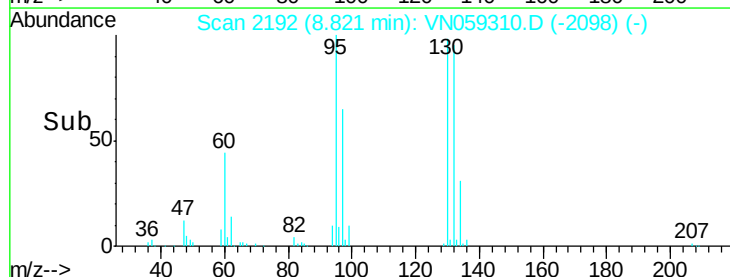
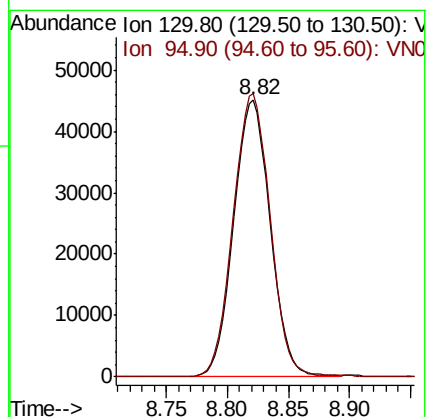
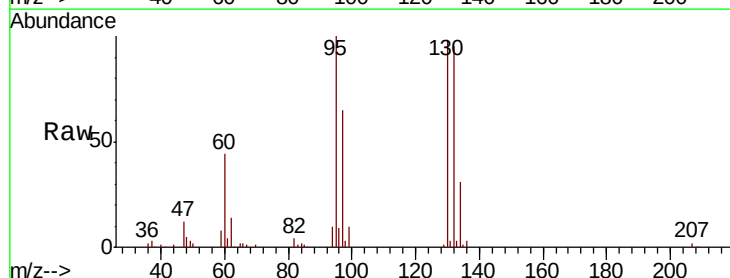
Acq: 19 Nov 2019 17:02

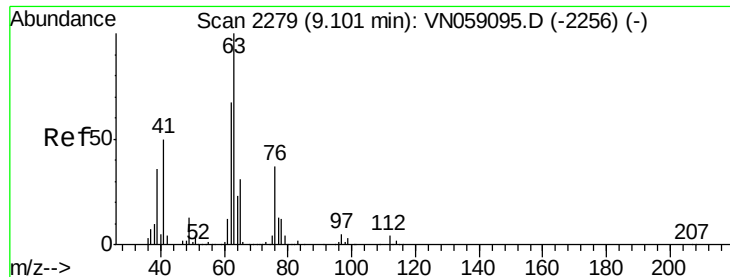
Tgt Ion:130 Resp: 93921

Ion Ratio Lower Upper

130 100

95 102.1 0.0 206.4





#45

1,2-Dichloropropane

Concen: 23.014 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

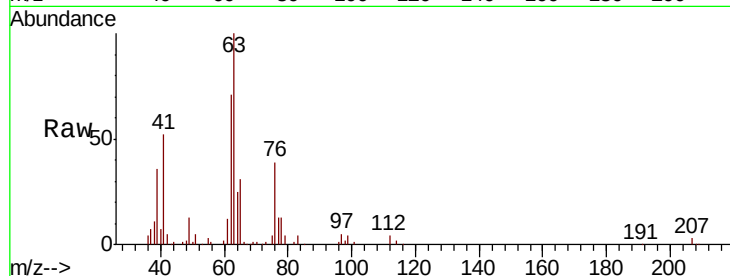
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 99182

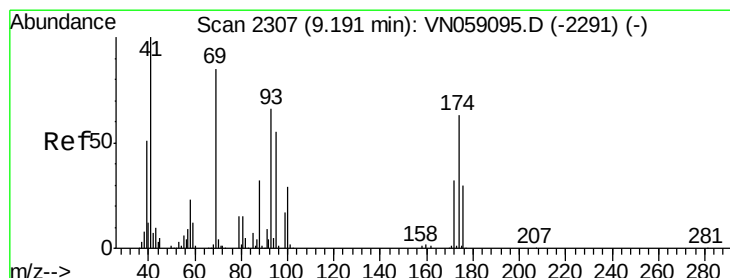
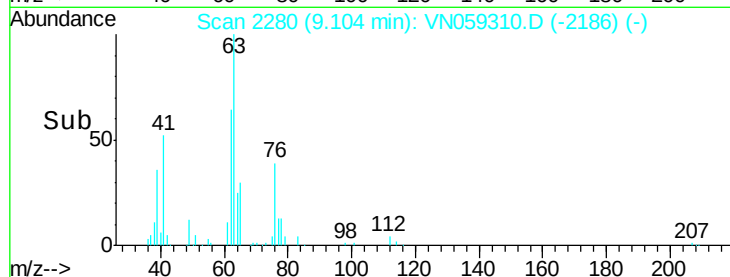
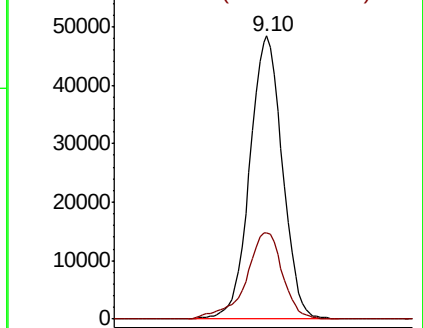
Ion Ratio Lower Upper

63 100

65 30.7 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 22.587 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

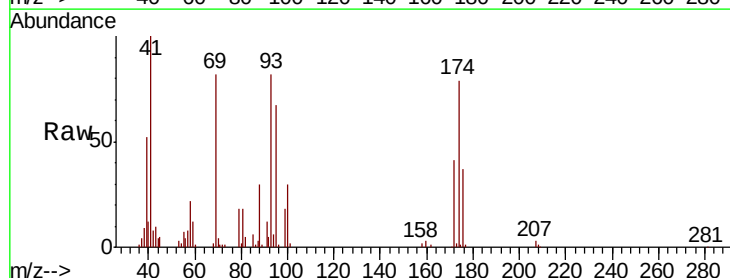
Tgt Ion: 93 Resp: 60659

Ion Ratio Lower Upper

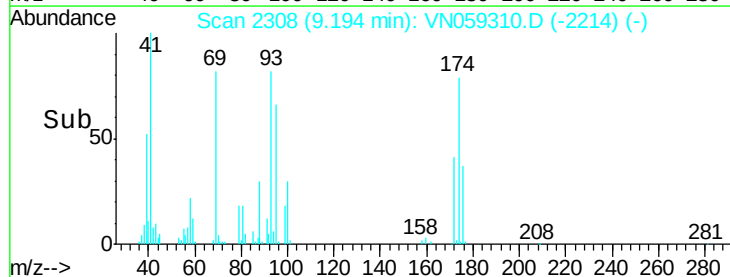
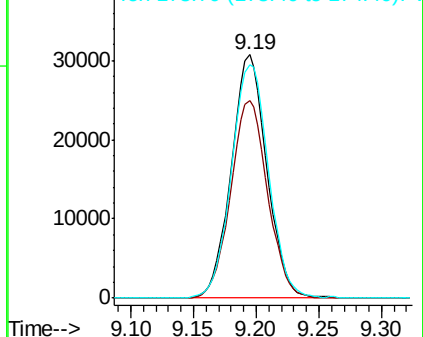
93 100

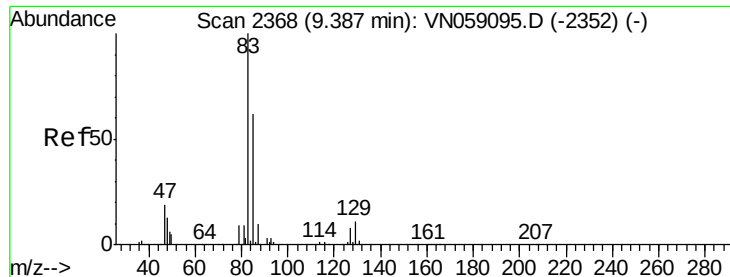
95 83.8 66.6 100.0

174 100.0 78.2 117.2



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.958 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampled :

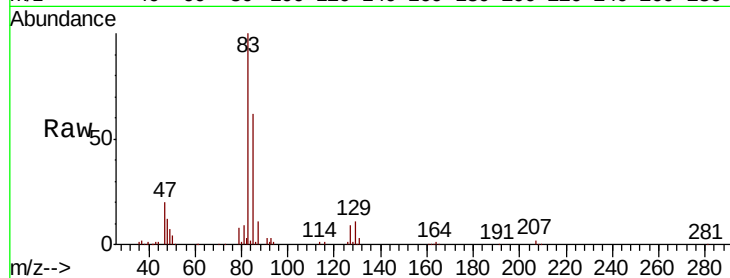
Tot Ion: 83 Resp: 123119

Ion Ratio Lower Upper

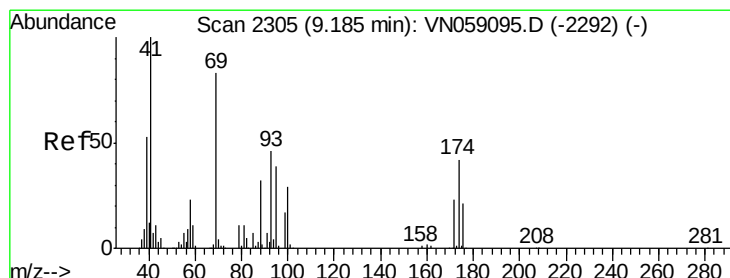
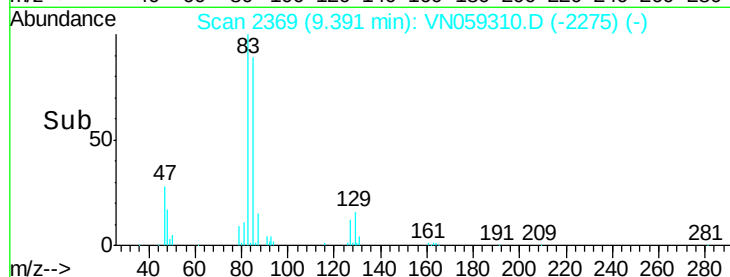
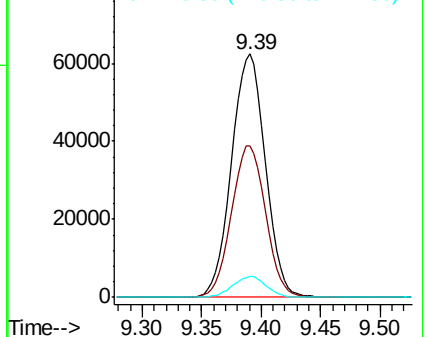
83 100

85 62.3 49.7 74.5

127 8.6 6.4 9.6



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



#48

Methyl methacrylate

Concen: 21.315 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

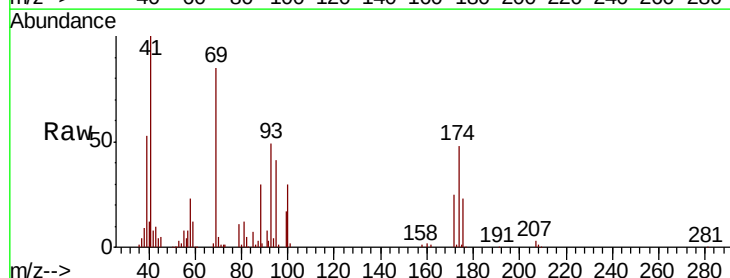
Tgt Ion: 41 Resp: 89095

Ion Ratio Lower Upper

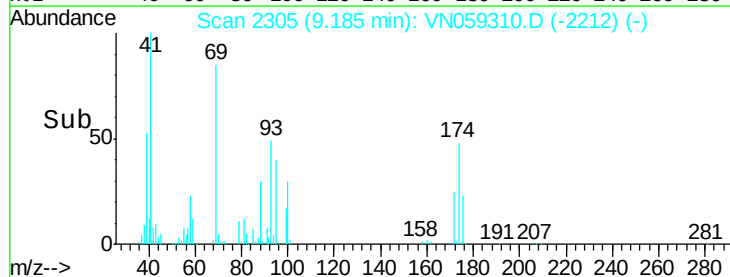
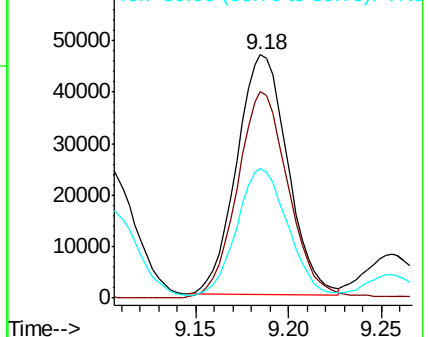
41 100

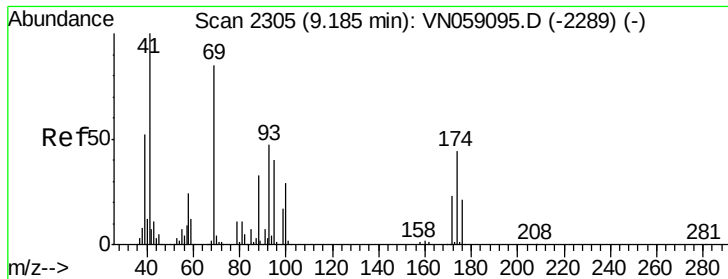
69 86.4 67.3 100.9

39 54.2 43.3 64.9



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

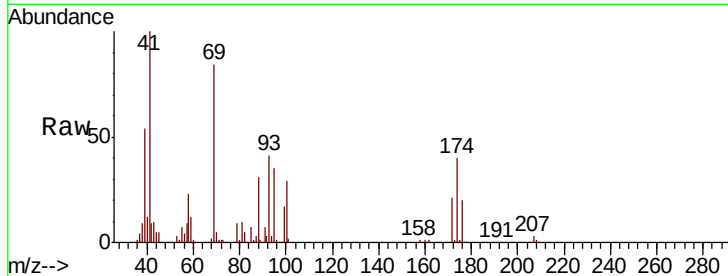




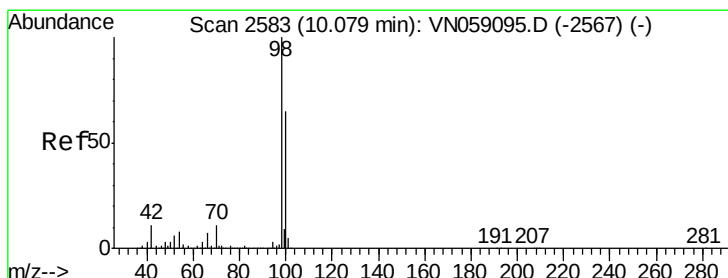
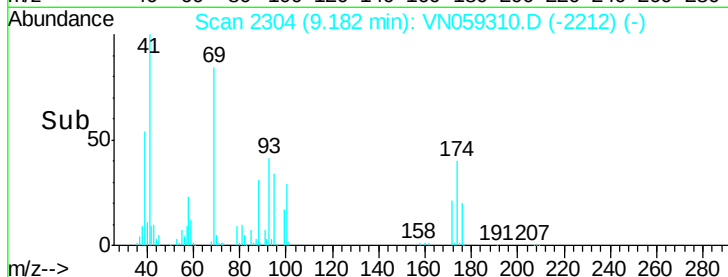
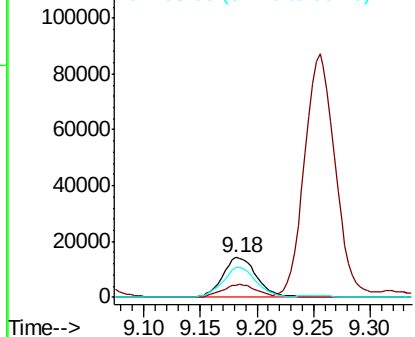
#49
1,4-Dioxane
Concen: 406.819 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 30220
Ion Ratio Lower Upper
88 100
43 32.3 26.3 39.5
58 73.0 60.6 90.8

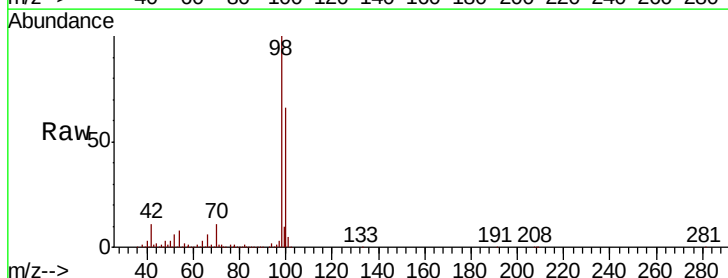


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

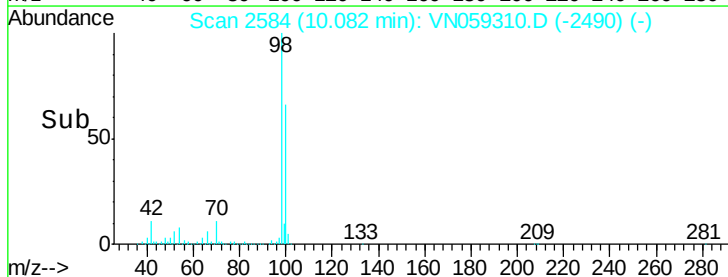
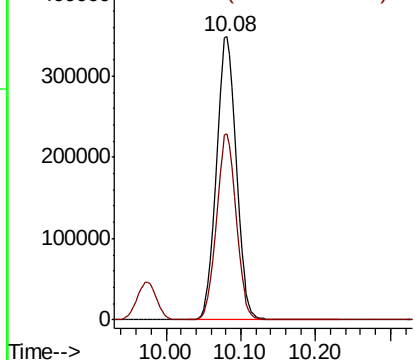


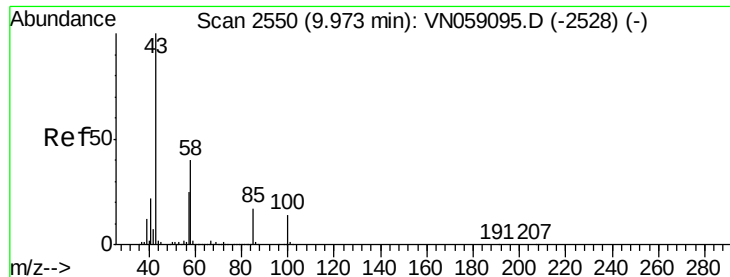
#50
Toluene-d8
Concen: 48.617 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion: 98 Resp: 644563
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 116.485 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

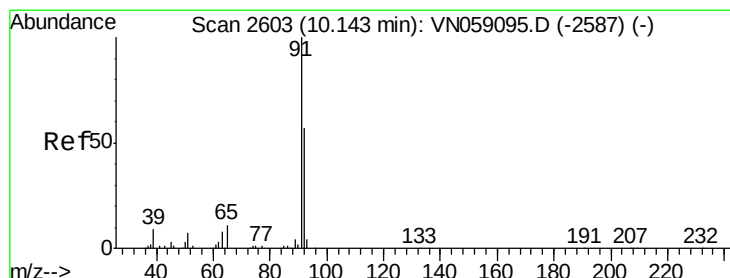
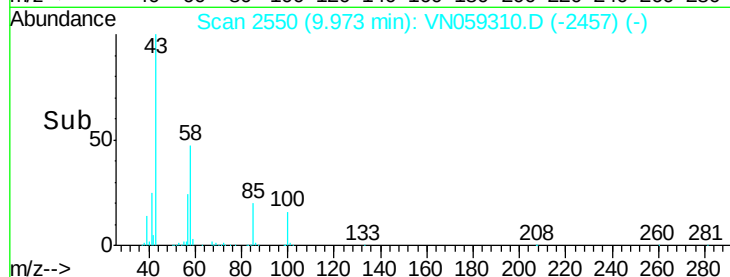
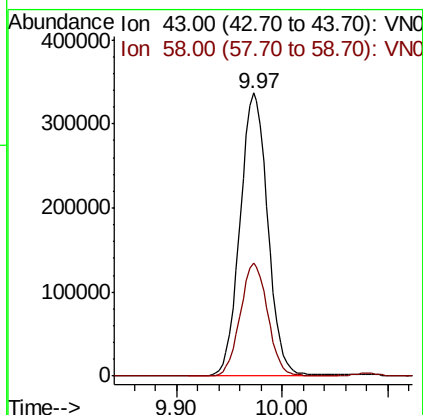
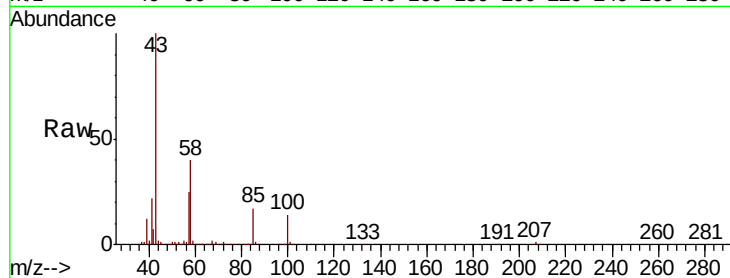
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 615922

Ion Ratio Lower Upper

43 100

58 39.6 31.5 47.3



#52

Toluene

Concen: 23.880 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059310.D

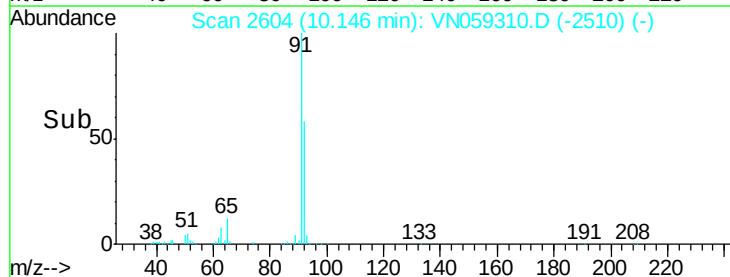
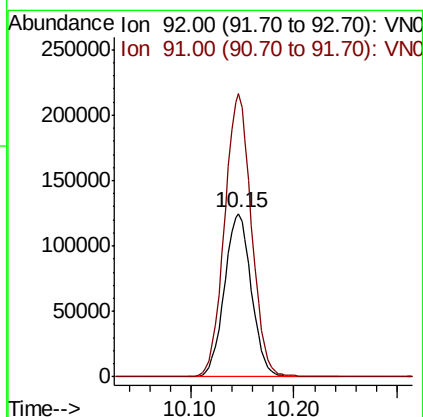
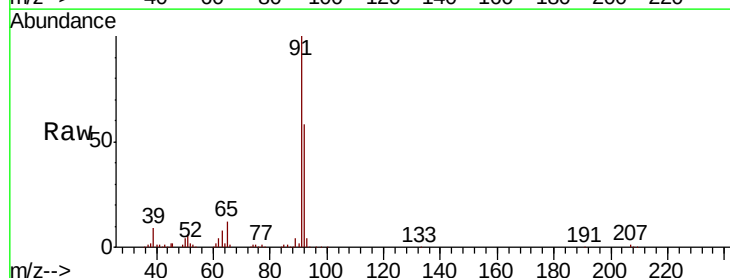
Acq: 19 Nov 2019 17:02

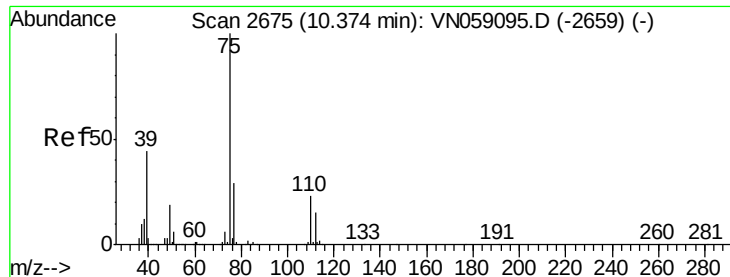
Tgt Ion: 92 Resp: 227102

Ion Ratio Lower Upper

92 100

91 172.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 22.787 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

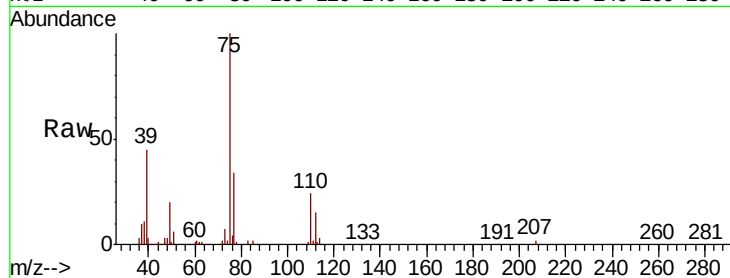
ClientSampleId :

Tot Ion: 75 Resp: 141182

Ion Ratio Lower Upper

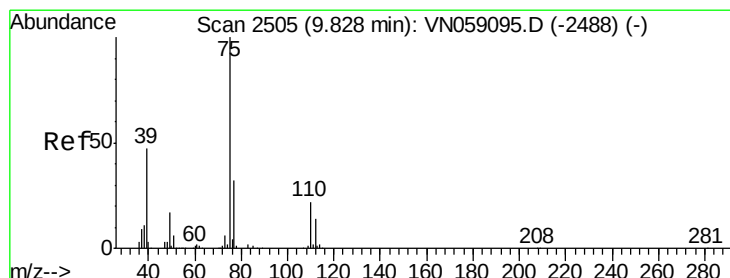
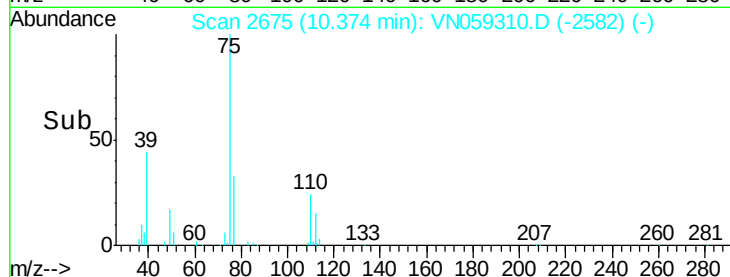
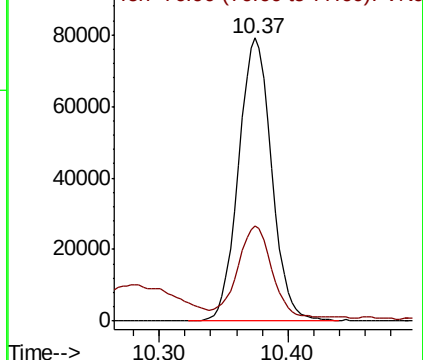
75 100

77 32.1 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 23.387 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

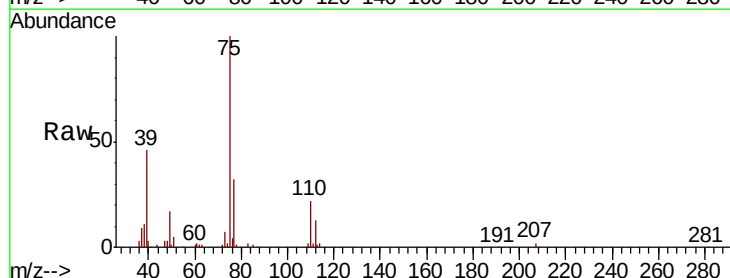
Tgt Ion: 75 Resp: 155862

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

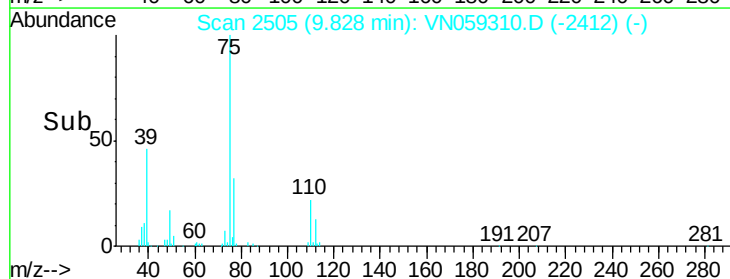
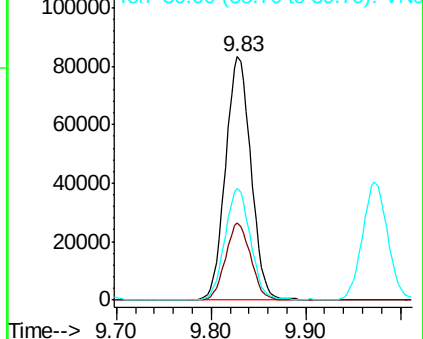
39 45.8 37.3 55.9

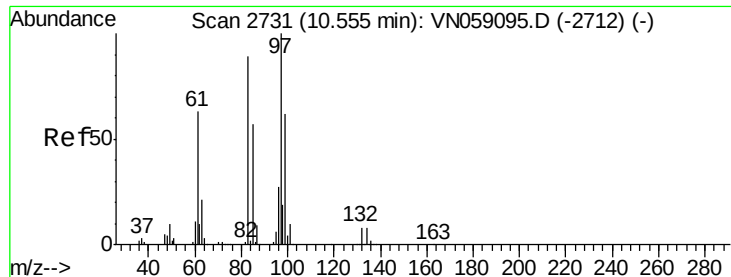


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 22.905 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

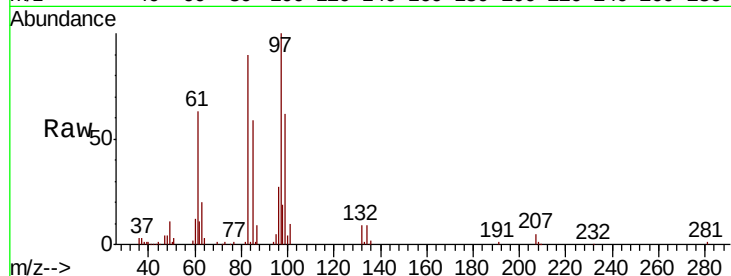
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 88157

Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.0	106.4
85	59.1	45.8	68.8
99	62.5	49.4	74.0

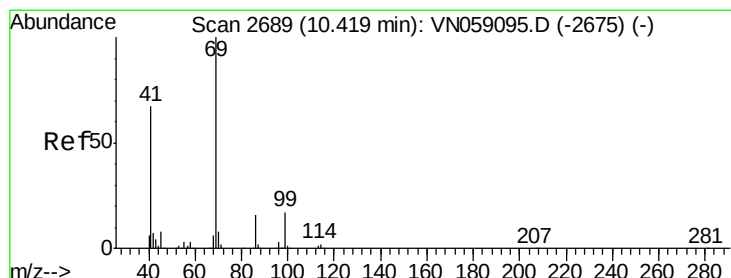
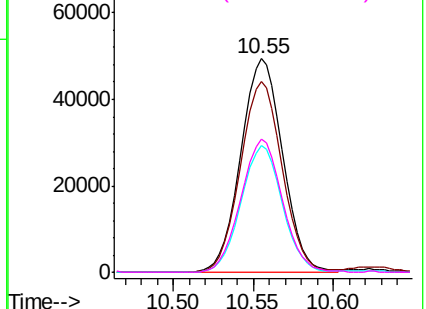
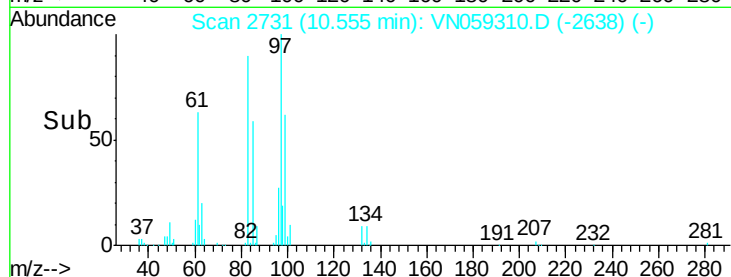


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.438 ug/l

RT: 10.42 min Scan# 2690

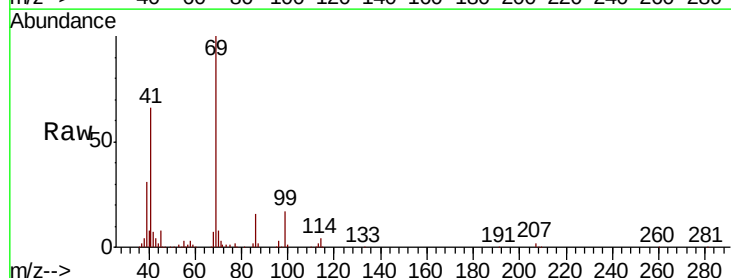
Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion: 69 Resp: 130483

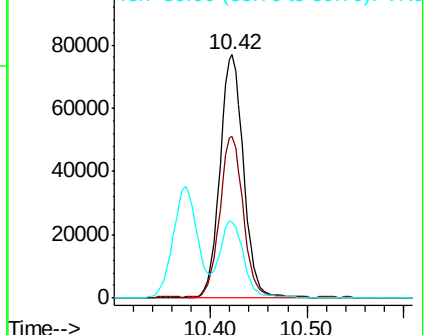
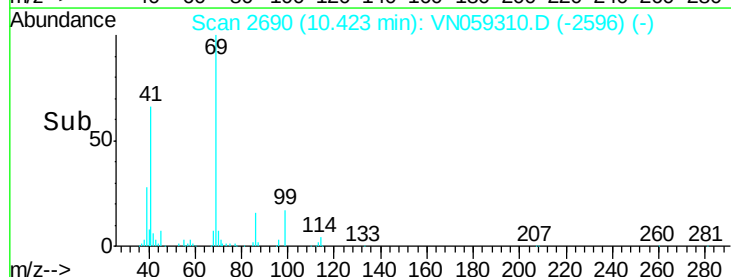
Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.6	80.4
39	31.2	26.2	39.4

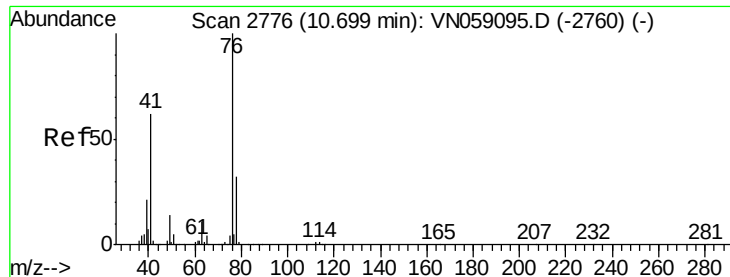


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 23.240 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

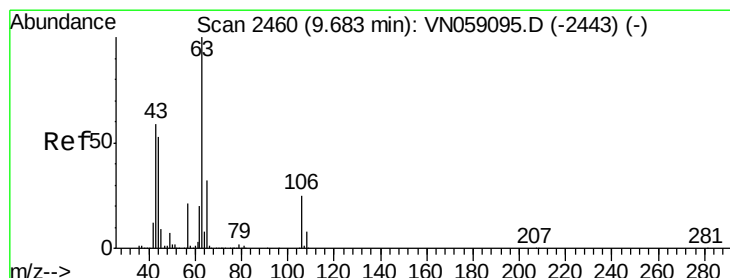
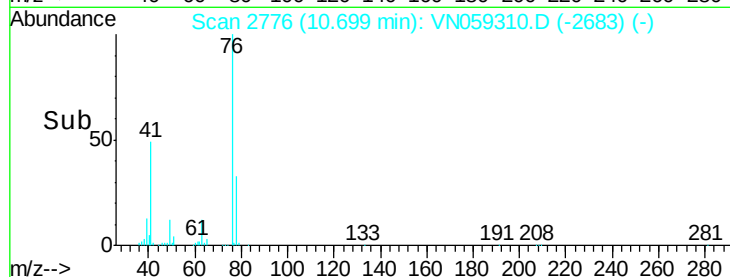
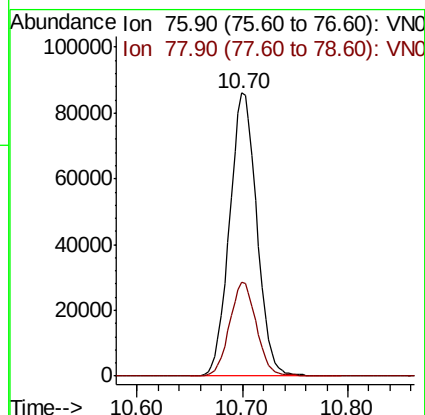
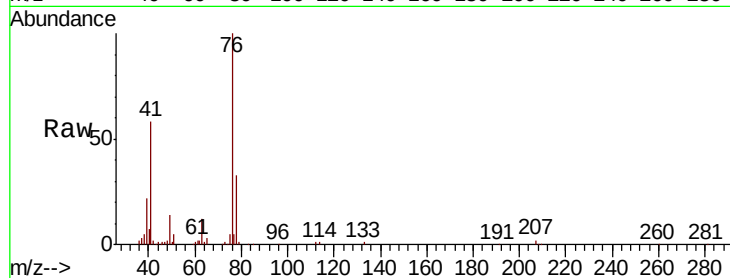
ClientSampleId :

Tot Ion: 76 Resp: 153949

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 93.279 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059310.D

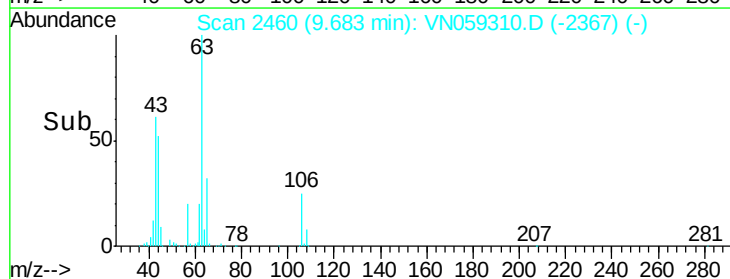
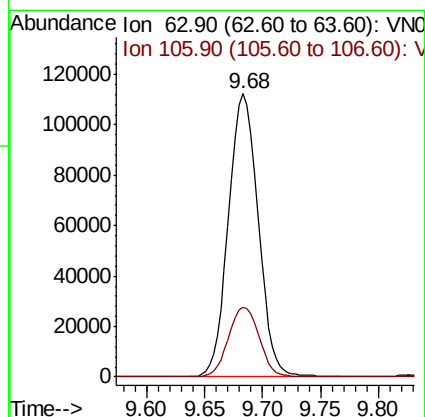
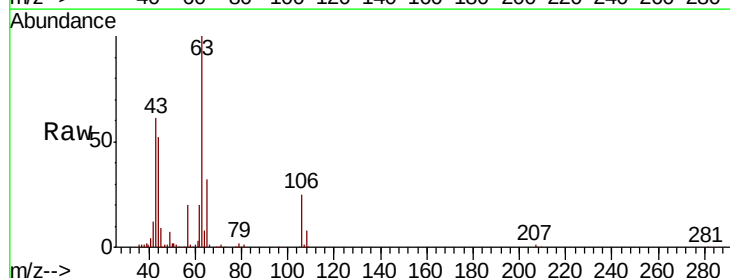
Acq: 19 Nov 2019 17:02

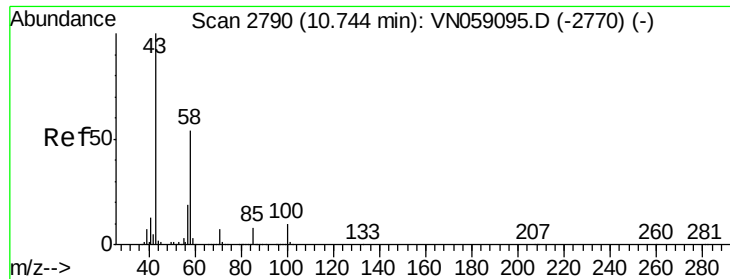
Tgt Ion: 63 Resp: 199800

Ion Ratio Lower Upper

63 100

106 25.3 20.2 30.2

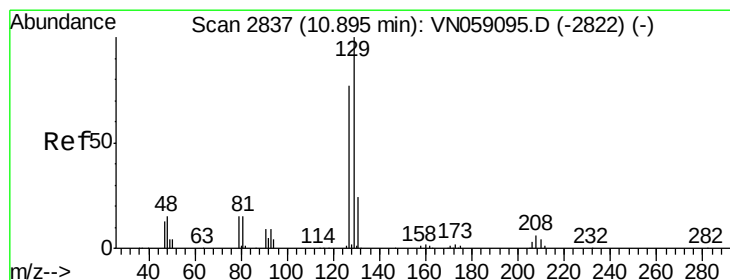
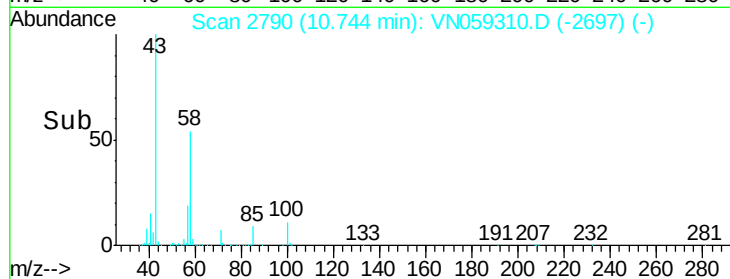
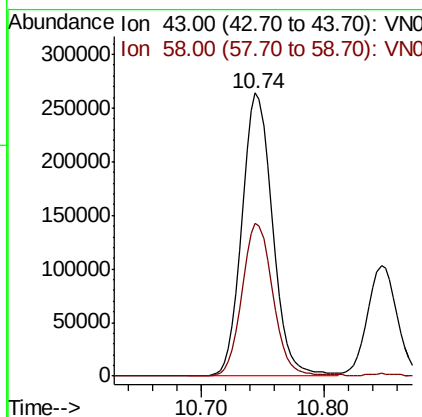
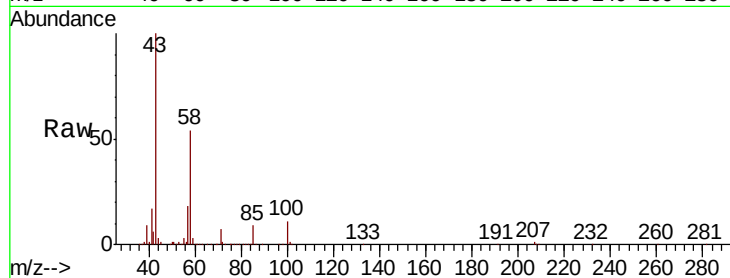




#59
2-Hexanone
Concen: 112.589 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

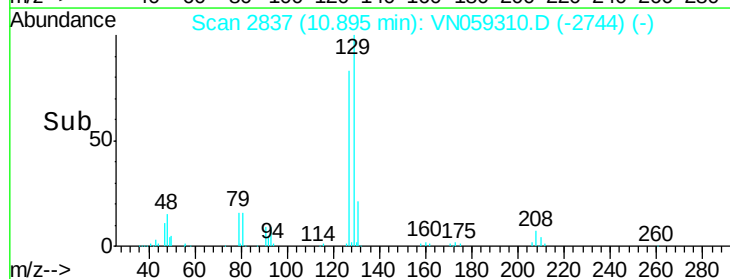
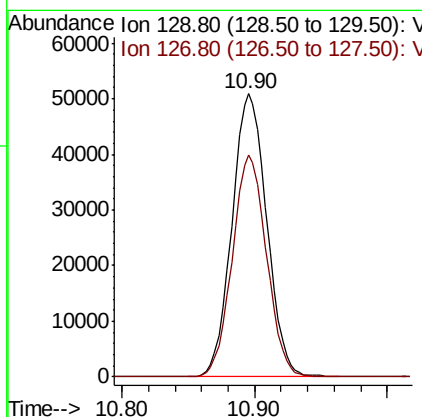
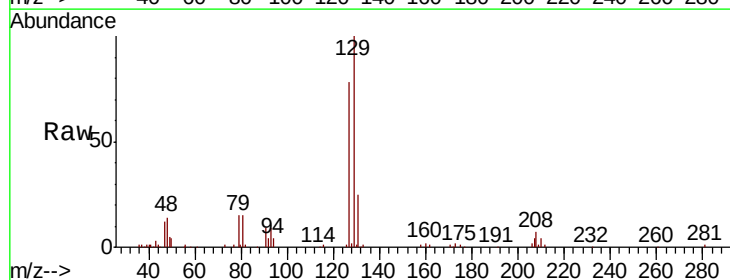
Instrument :
MSVOA_N
ClientSampleId :

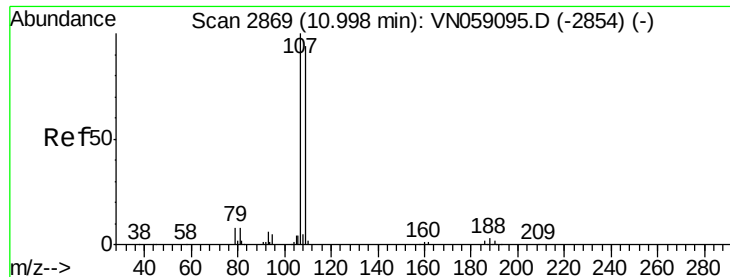
Tot Ion: 43 Resp: 456939
Ion Ratio Lower Upper
43 100
58 54.6 27.3 81.8



#60
Dibromochloromethane
Concen: 22.761 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion: 129 Resp: 92620
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

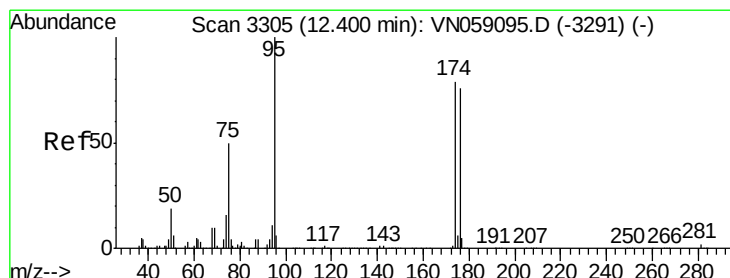
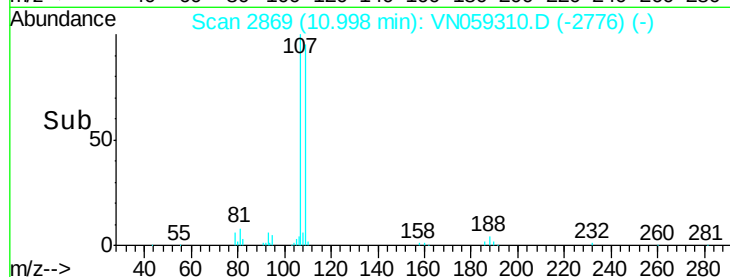
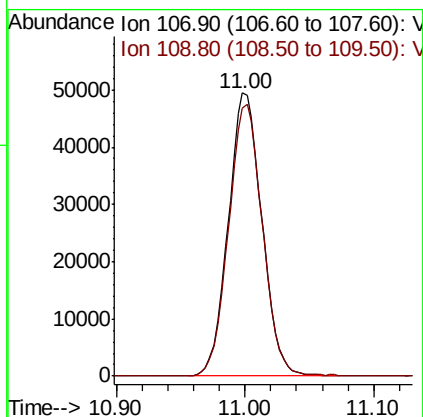
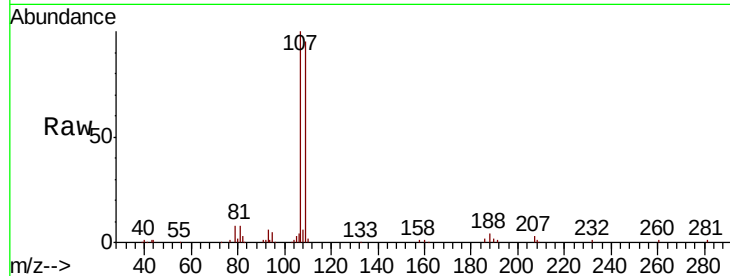




#61
 1,2-Dibromoethane
 Concen: 22.944 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

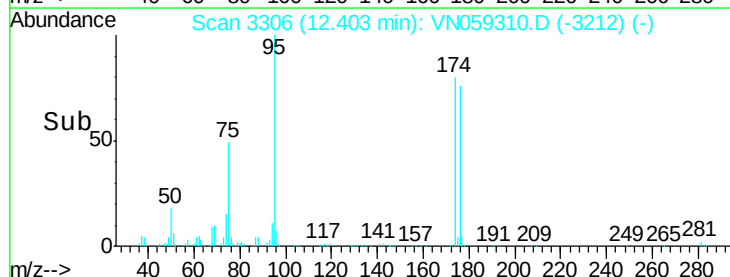
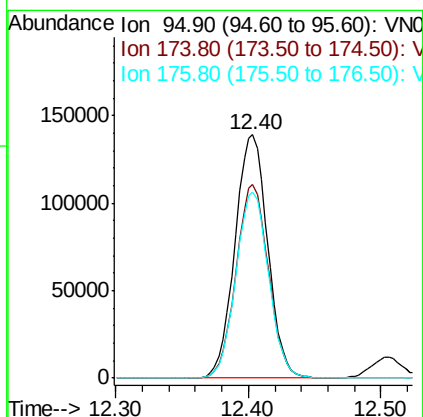
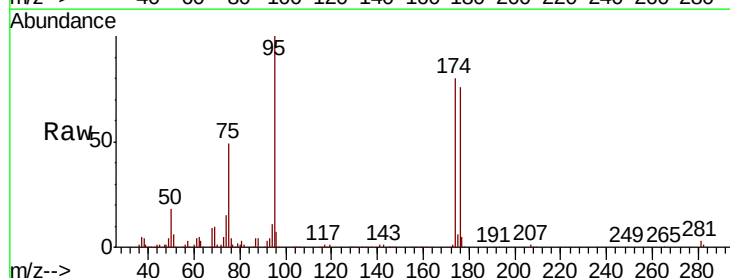
Instrument :
 MSVOA_N
 ClientSampled :

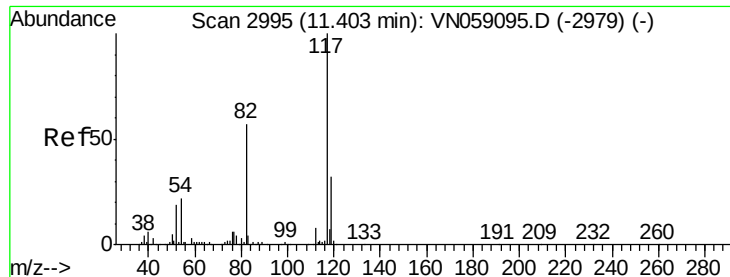
Tot Ion: 107 Resp: 89396
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 49.931 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion: 95 Resp: 238685
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 158.2
 176 76.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

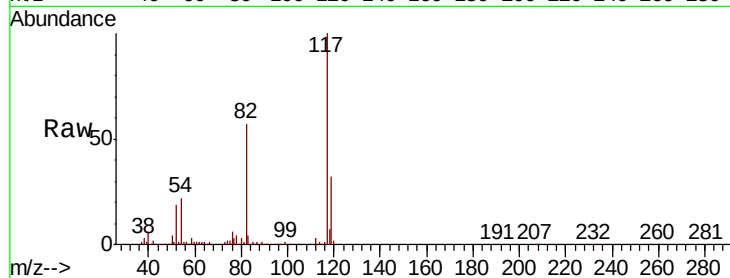
Tot Ion:117 Resp: 502631

Ion Ratio Lower Upper

117 100

82 57.3 45.8 68.8

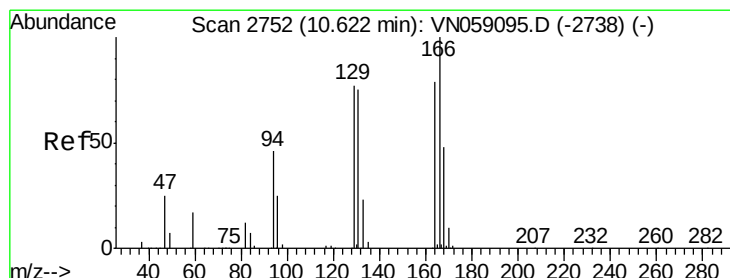
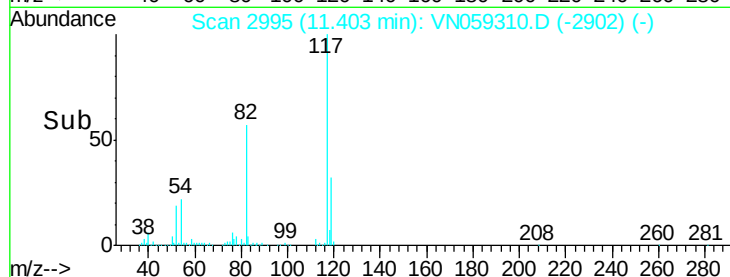
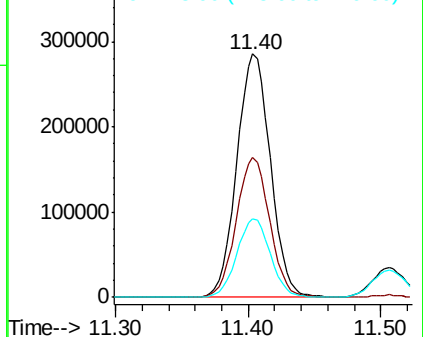
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 28.181 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion:164 Resp: 96319

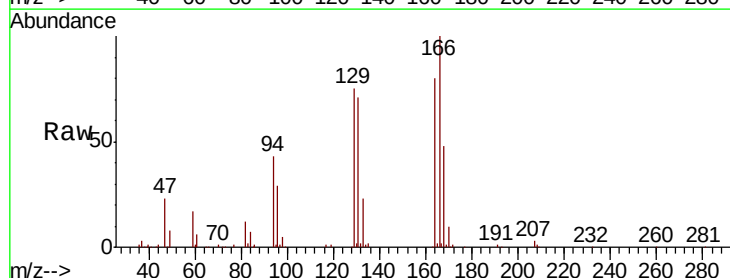
Ion Ratio Lower Upper

164 100

166 125.1 101.5 152.3

129 93.5 78.3 117.5

131 89.2 75.9 113.9

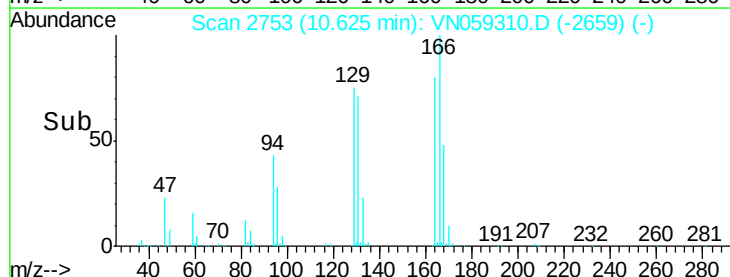
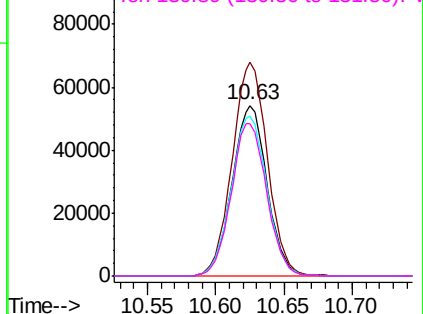


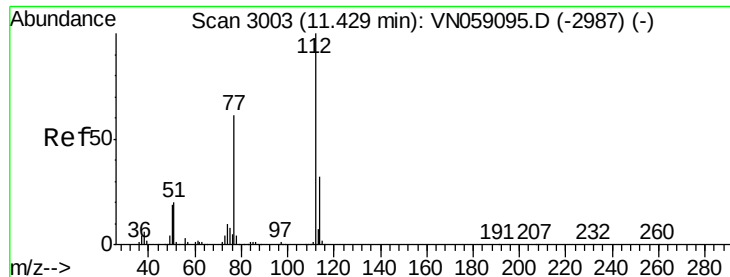
Abundance Ion 163.80 (163.50 to 164.50): V

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: 23.996 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

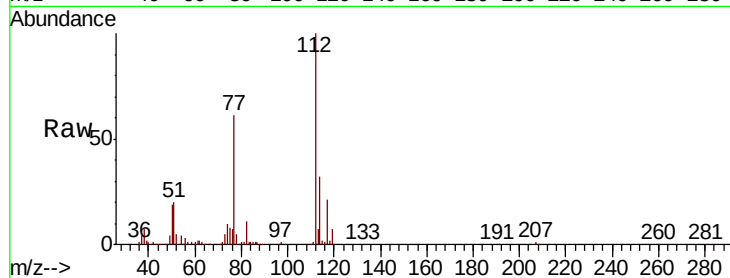
ClientSampled :

Tot Ion:112 Resp: 235118

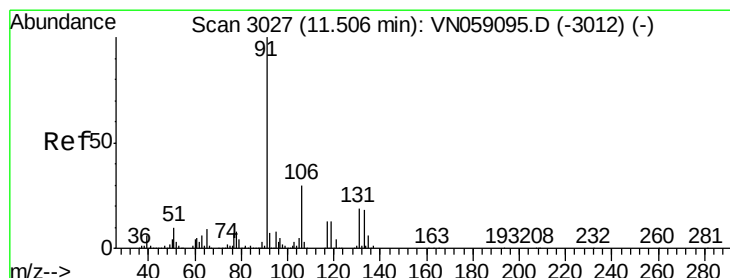
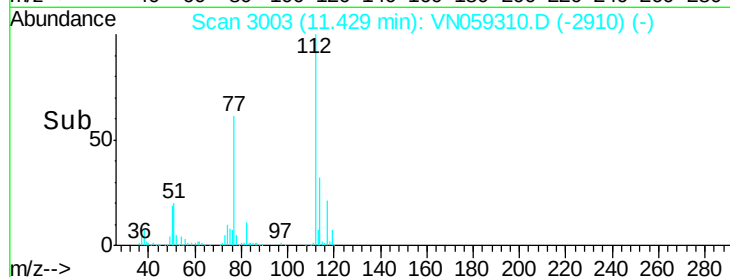
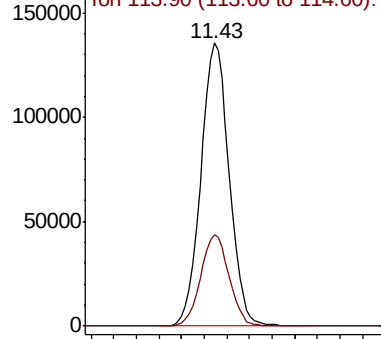
Ion Ratio Lower Upper

112 100

114 32.5 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.325 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

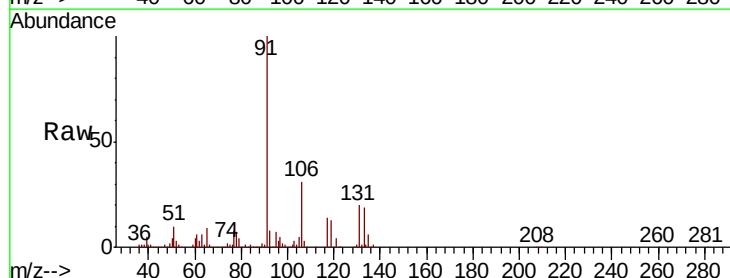
Tgt Ion:131 Resp: 85733

Ion Ratio Lower Upper

131 100

133 94.8 47.4 142.3

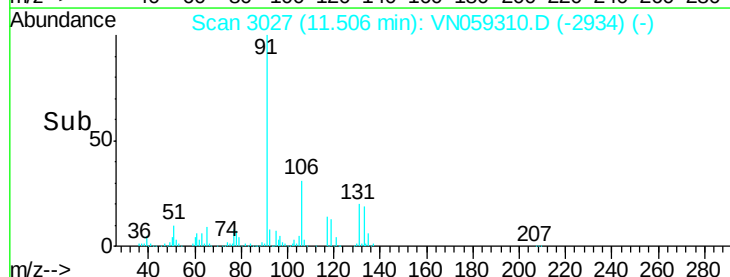
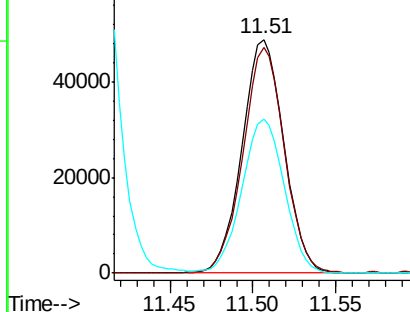
119 67.1 33.2 99.6

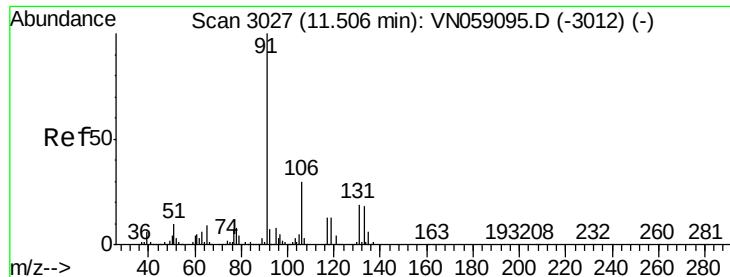


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 24.721 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

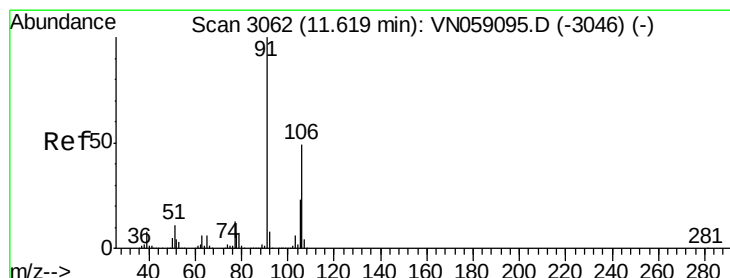
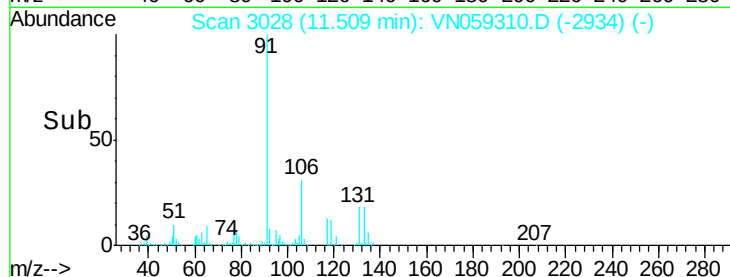
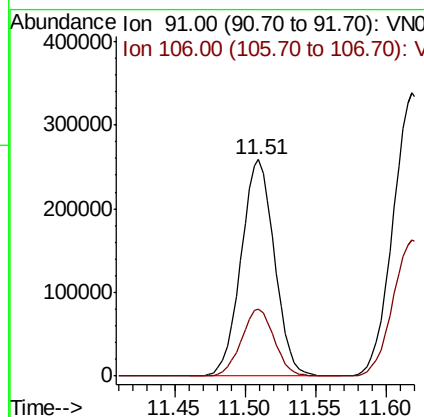
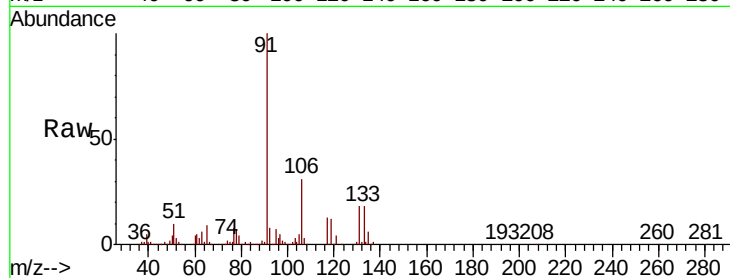
ClientSampled :

Tot Ion: 91 Resp: 429760

Ion Ratio Lower Upper

91 100

106 31.2 24.1 36.1



#68

m/p-Xylenes

Concen: 49.045 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059310.D

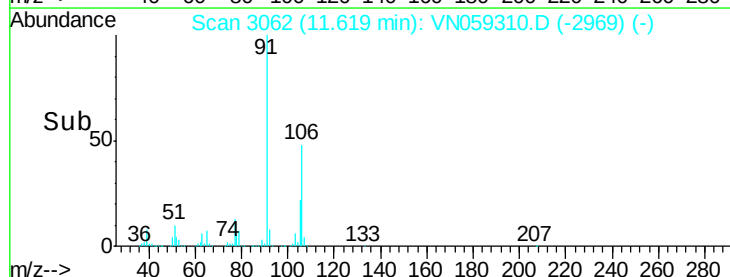
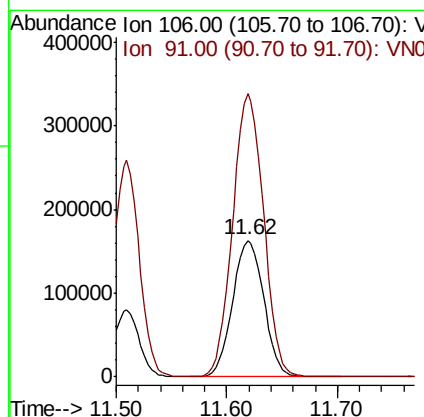
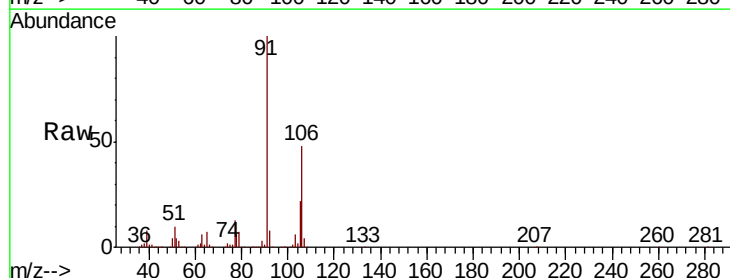
Acq: 19 Nov 2019 17:02

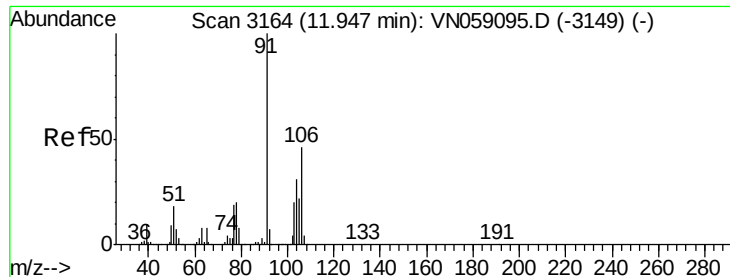
Tgt Ion: 106 Resp: 319376

Ion Ratio Lower Upper

106 100

91 206.0 164.7 247.1

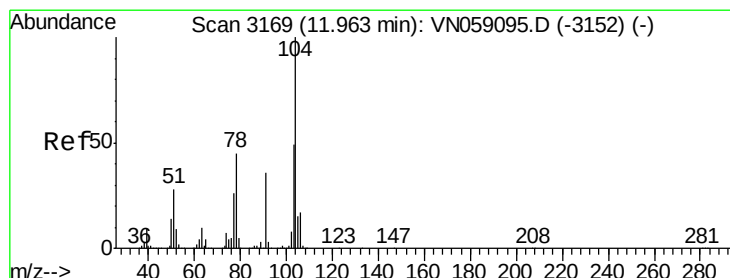
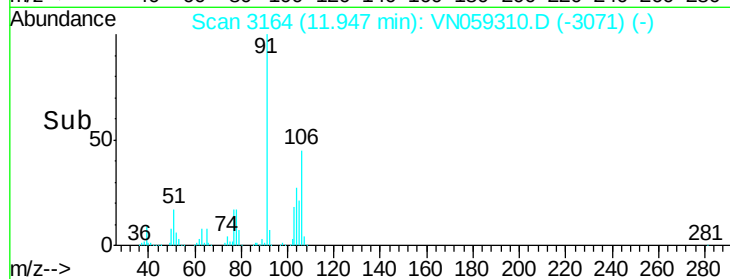
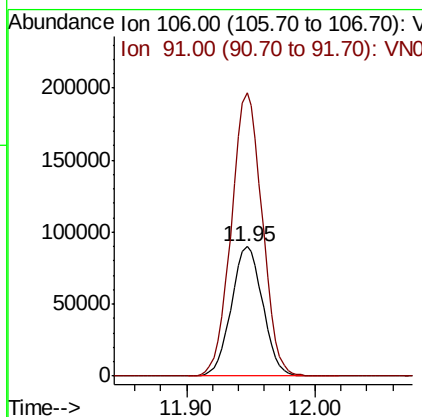
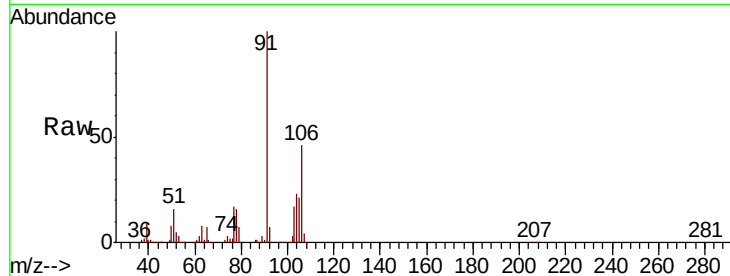




#69
o-Xylene
Concen: 24.212 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

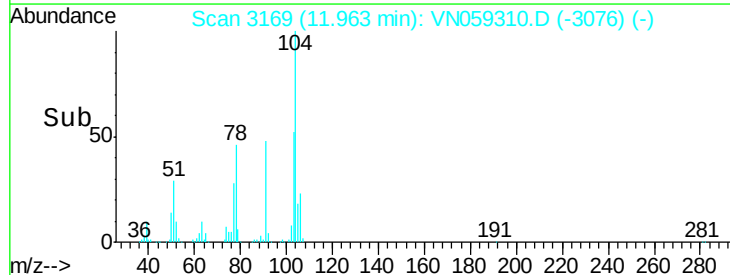
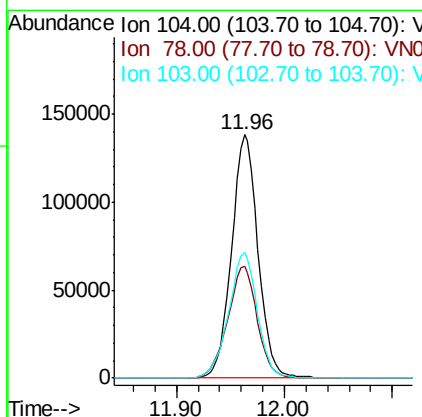
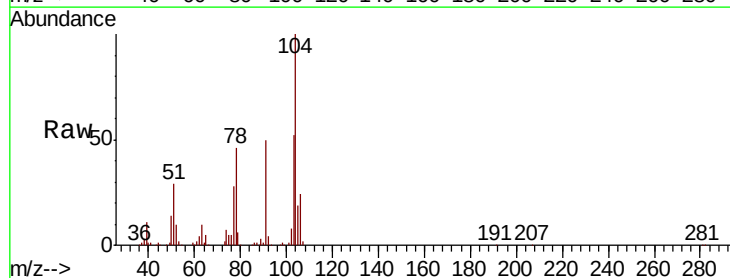
Instrument :
MSVOA_N
ClientSampleId :

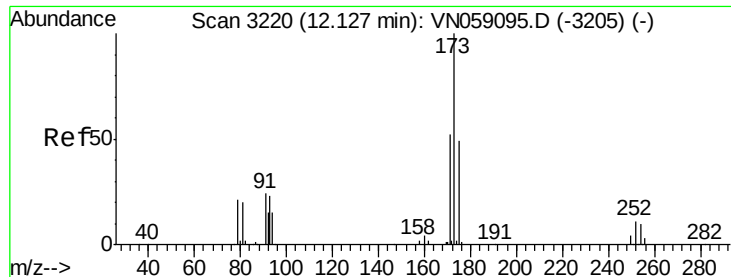
Tot Ion:106 Resp: 152369
Ion Ratio Lower Upper
106 100
91 214.8 110.1 330.3



#70
Styrene
Concen: 23.911 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion:104 Resp: 236655
Ion Ratio Lower Upper
104 100
78 51.1 41.2 61.8
103 56.2 43.8 65.6





#71

Bromoform

Concen: 22.295 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

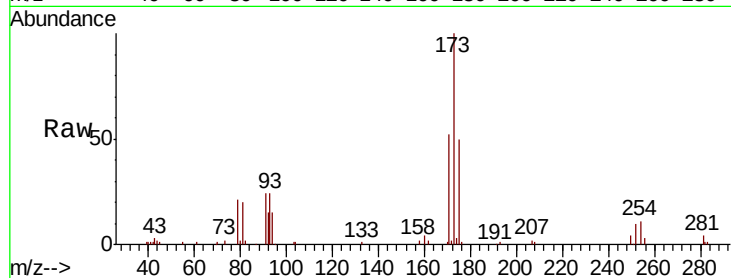
Tot Ion:173 Resp: 63742

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

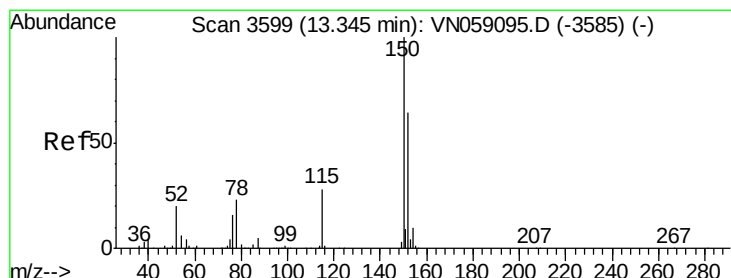
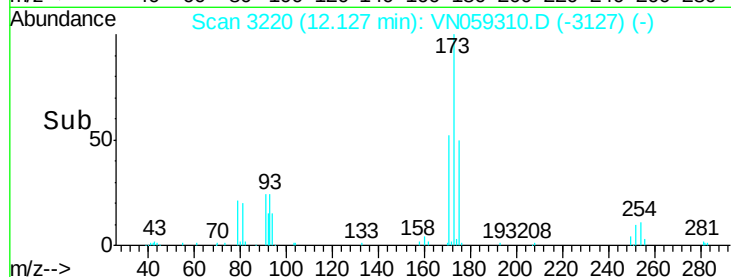
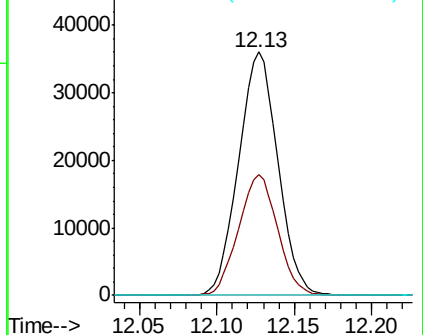
254 0.0 0.1 0.1#



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# 3599

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

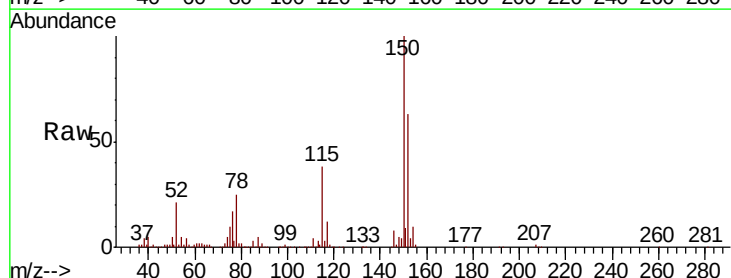
Tgt Ion:152 Resp: 230069

Ion Ratio Lower Upper

152 100

115 59.0 29.4 88.2

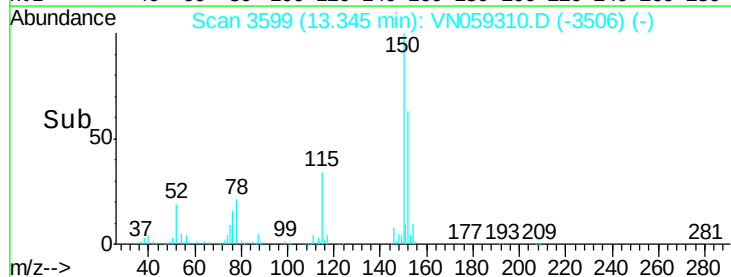
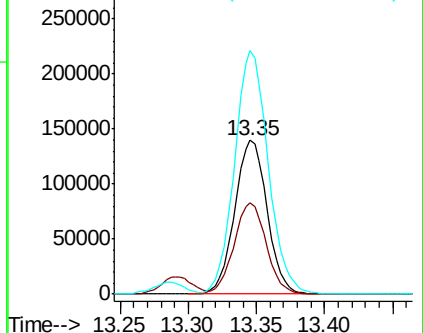
150 164.9 0.0 345.8

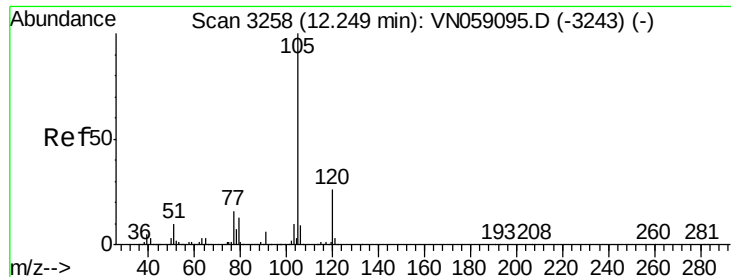


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.426 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

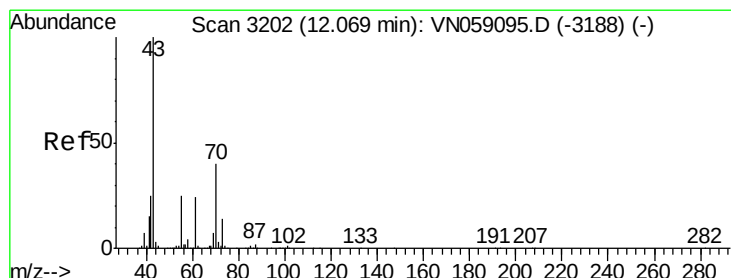
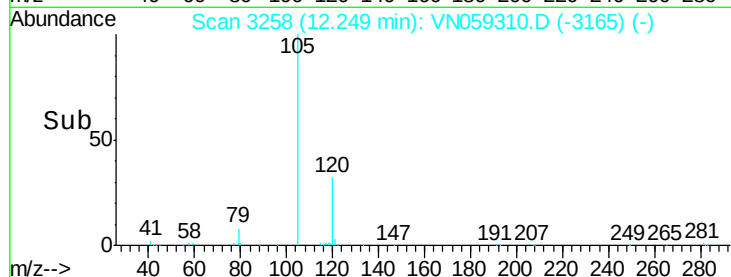
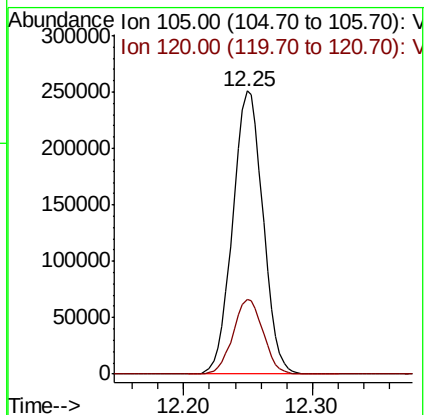
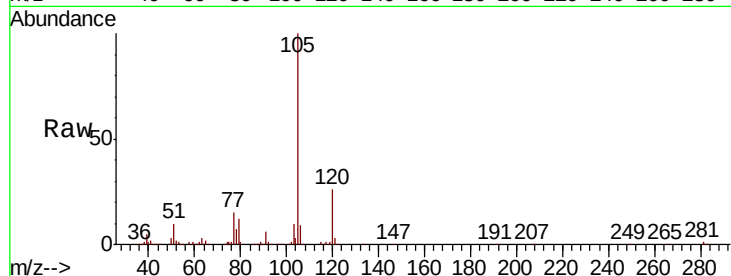
ClientSampled :

Tot Ion:105 Resp: 408783

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



#74

N-ethyl acetate

Concen: 21.474 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Tgt Ion: 43 Resp: 152282

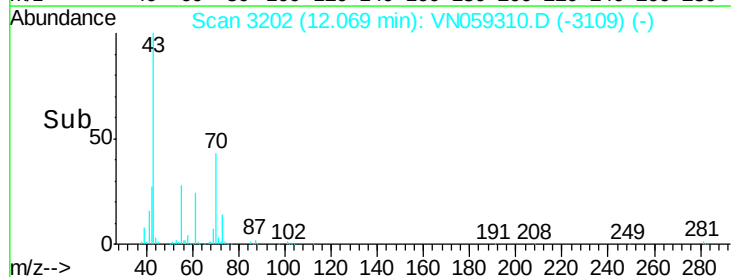
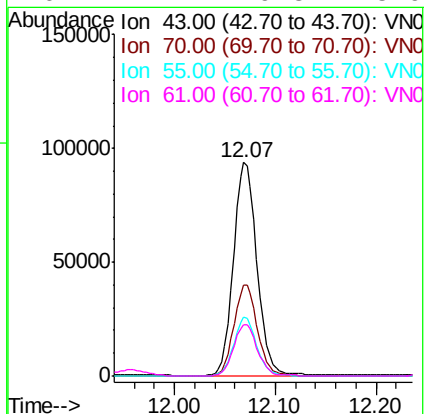
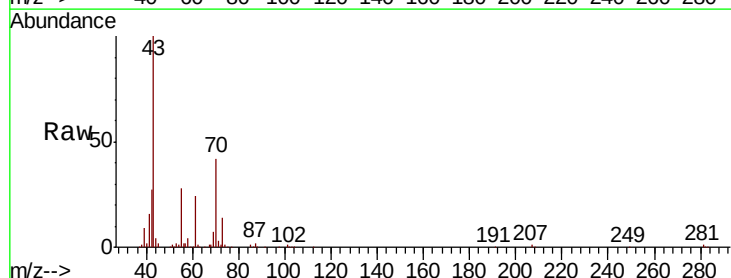
Ion Ratio Lower Upper

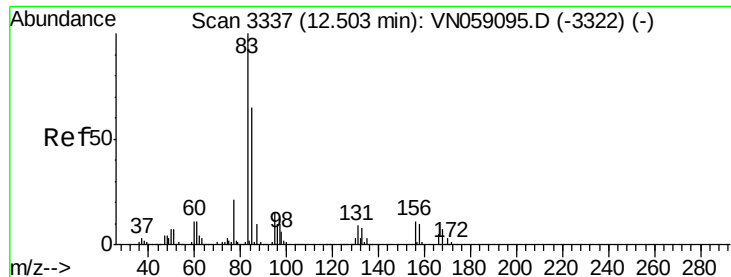
43 100

70 42.8 32.2 48.4

55 26.8 20.4 30.6

61 24.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.482 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

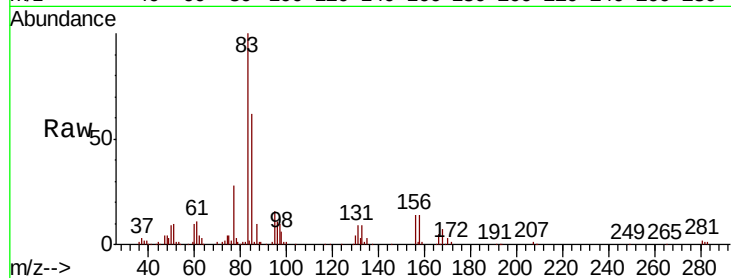
Tot Ion: 83 Resp: 128126

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

85 63.9 32.4 97.2

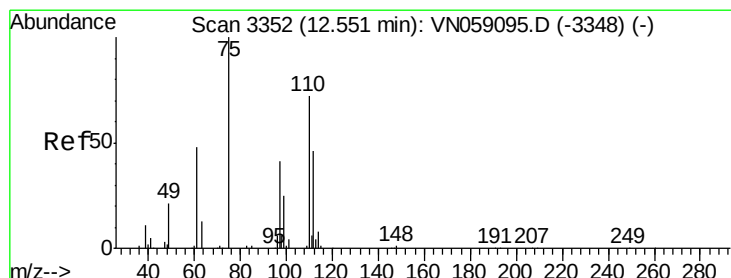
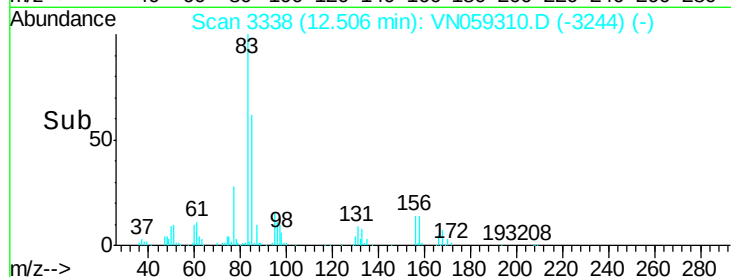
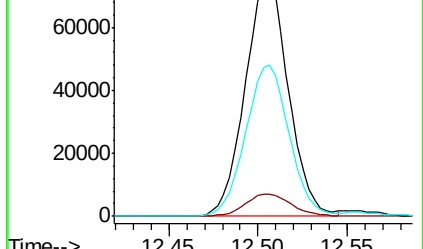


Abundance Ion 82.90 (82.60 to 83.60): VN059310.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN059310.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN059310.D (-3338) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 32.105 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059310.D

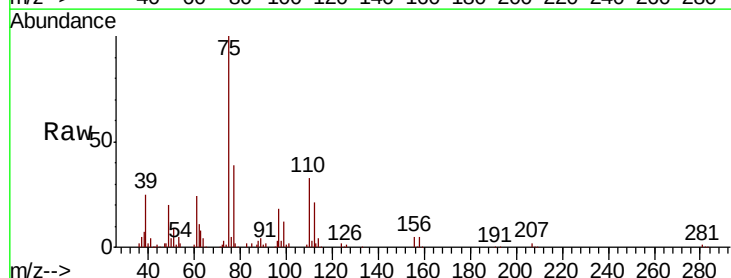
Acq: 19 Nov 2019 17:02

Tgt Ion: 75 Resp: 168161

Ion Ratio Lower Upper

75 100

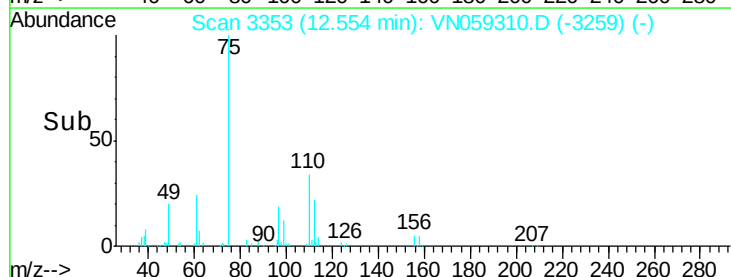
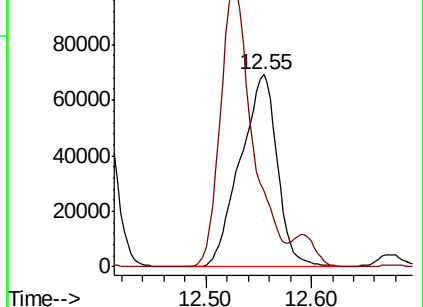
77 0.0 0.0 0.0

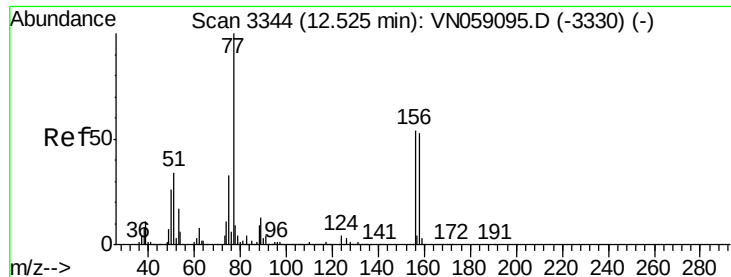


Abundance Ion 74.90 (74.60 to 75.60): VN059310.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059310.D (-3353) (-)

Time-->





#77

Bromobenzene

Concen: 23.358 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

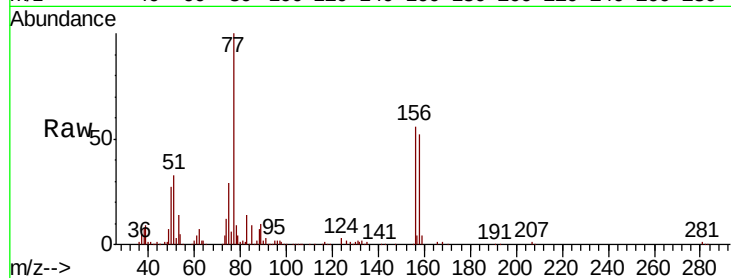
Tot Ion:156 Resp: 98210

Ion Ratio Lower Upper

156 100

77 218.4 112.8 338.3

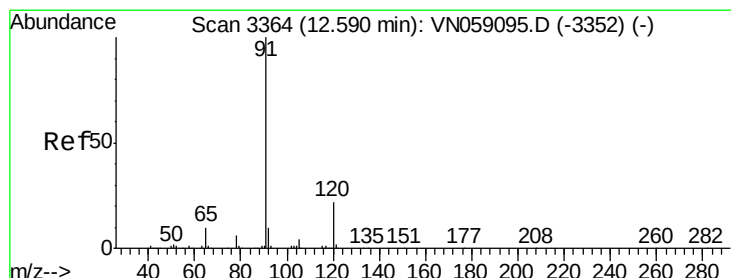
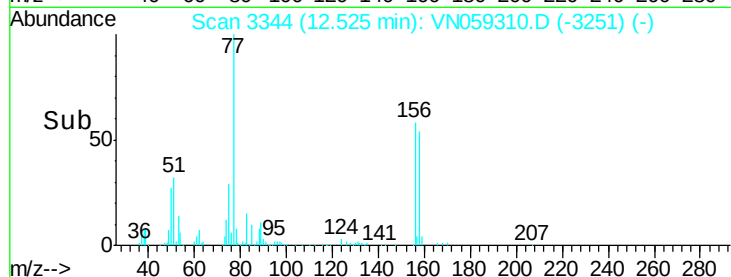
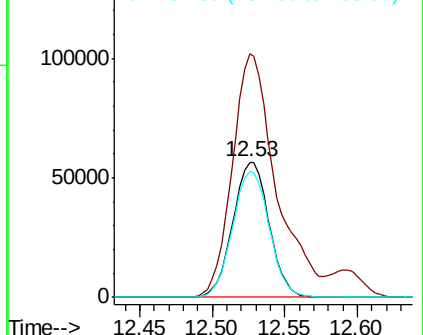
158 94.6 48.4 145.3



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: 24.313 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059310.D

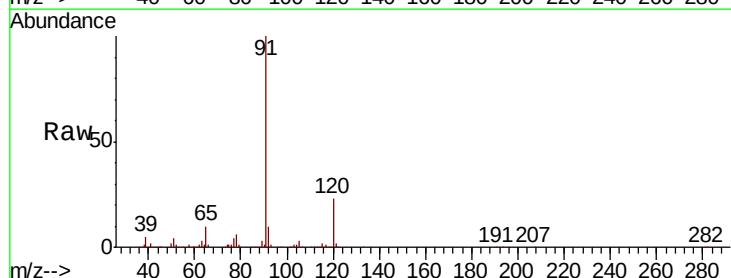
Acq: 19 Nov 2019 17:02

Tgt Ion: 91 Resp: 465882

Ion Ratio Lower Upper

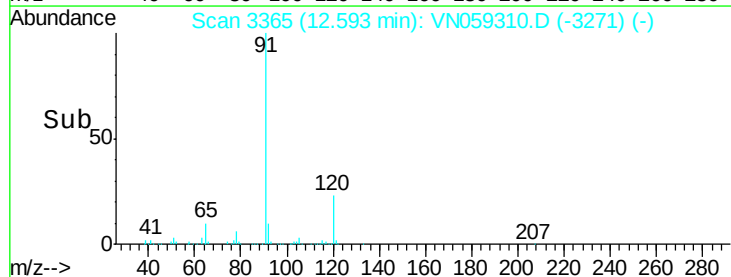
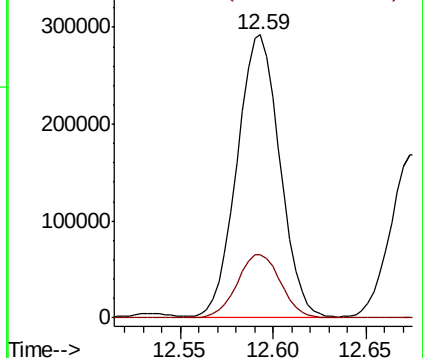
91 100

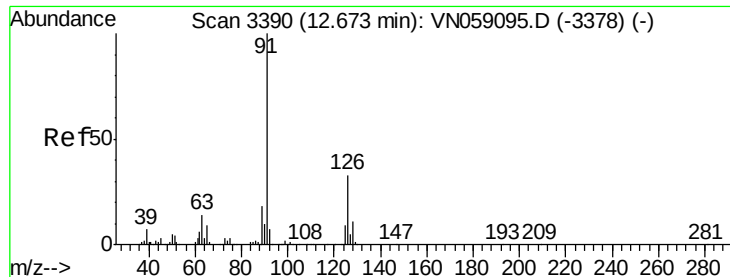
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.558 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

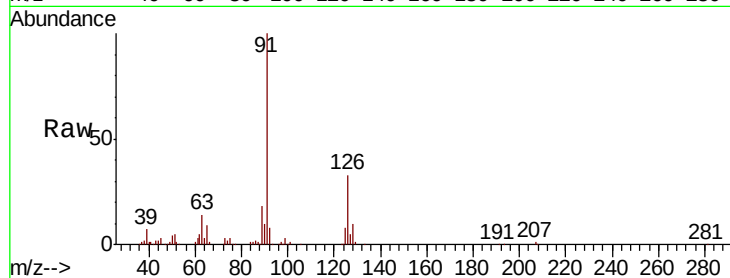
ClientSampled :

Tot Ion: 91 Resp: 280033

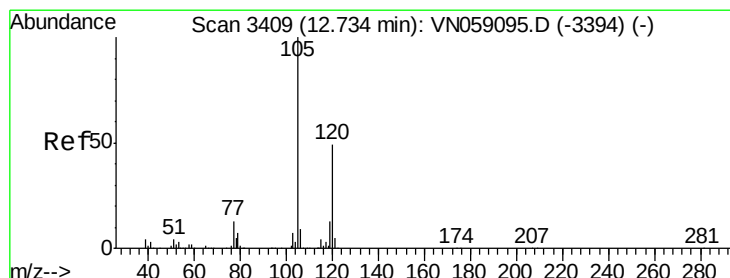
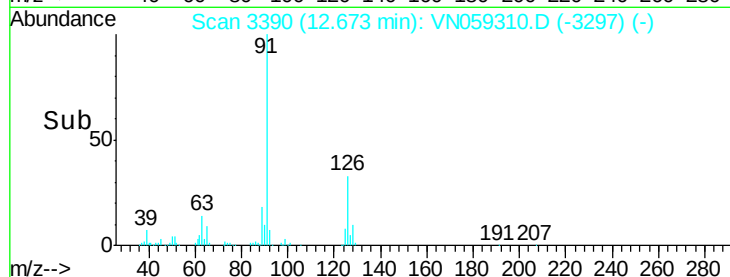
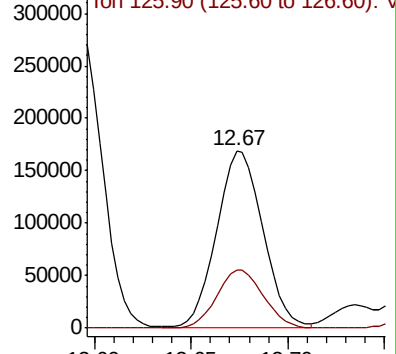
Ion Ratio Lower Upper

91 100

126 33.5 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059310.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 24.236 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059310.D

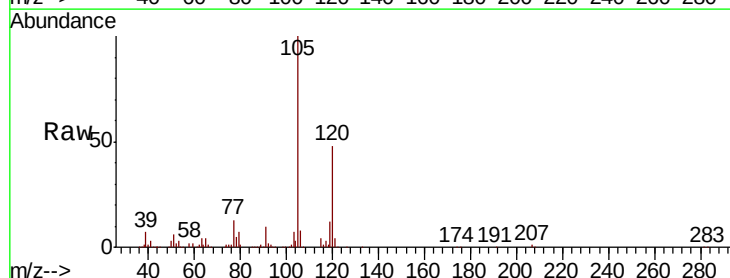
Acq: 19 Nov 2019 17:02

Tgt Ion: 105 Resp: 343677

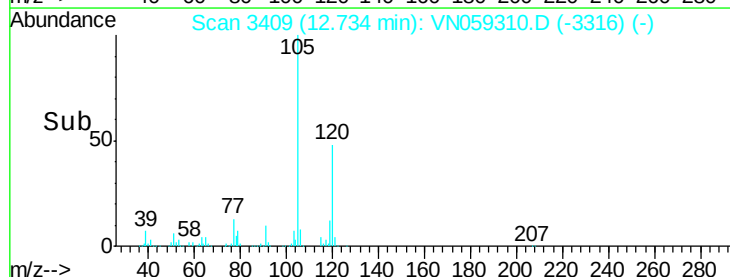
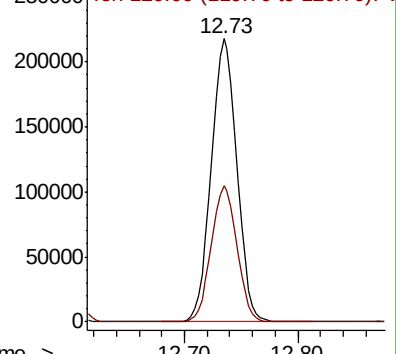
Ion Ratio Lower Upper

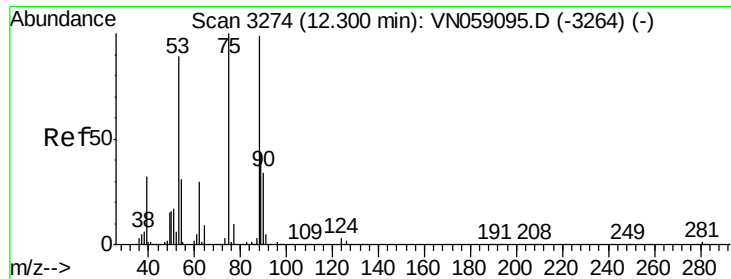
105 100

120 48.3 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059310.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.840 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

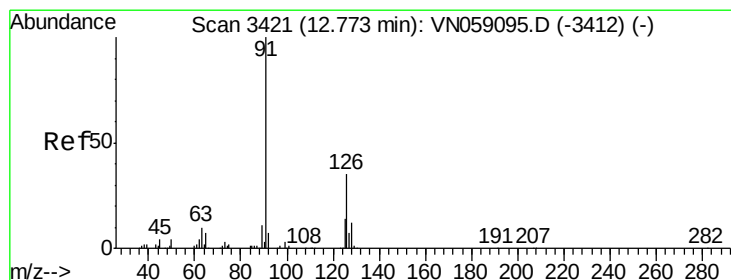
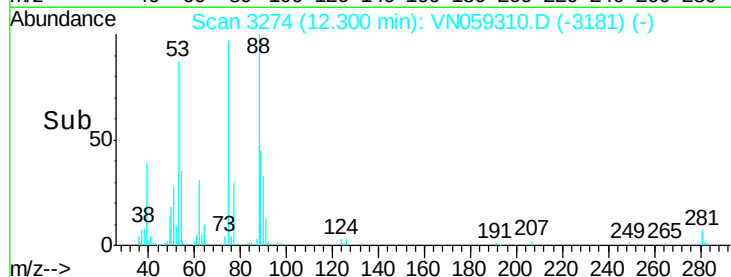
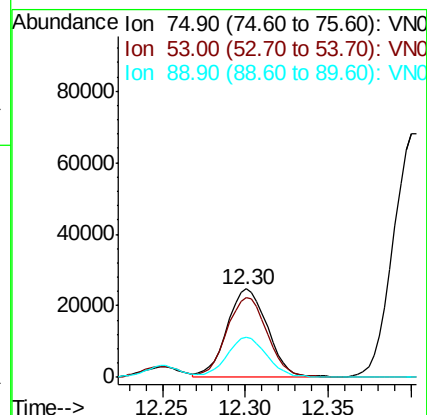
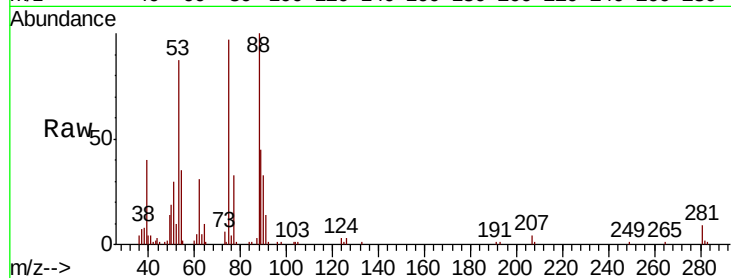
Tot Ion: 75 Resp: 41327

Ion Ratio Lower Upper

75 100

53 92.9 72.2 108.2

89 45.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 23.717 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059310.D

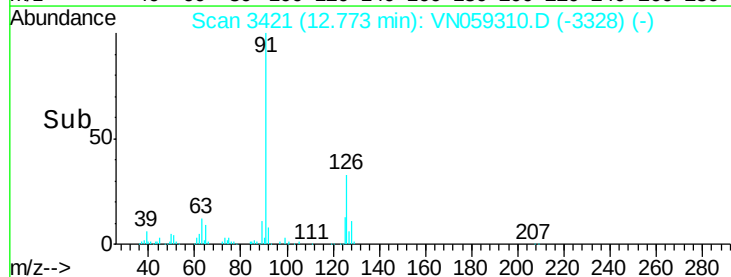
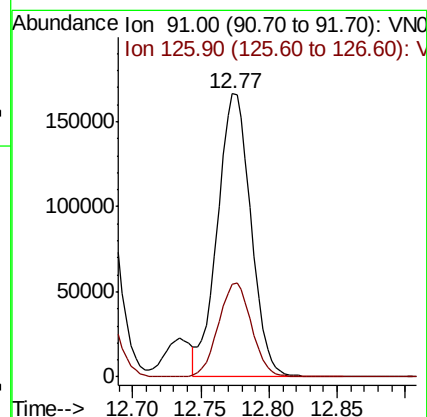
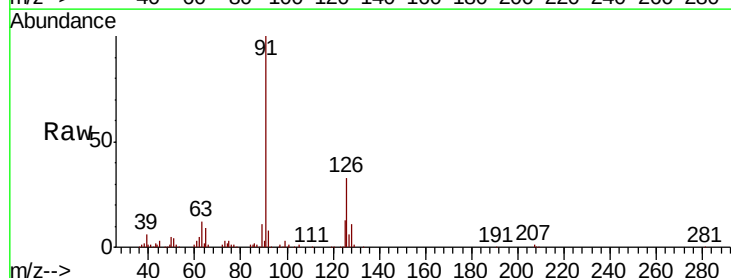
Acq: 19 Nov 2019 17:02

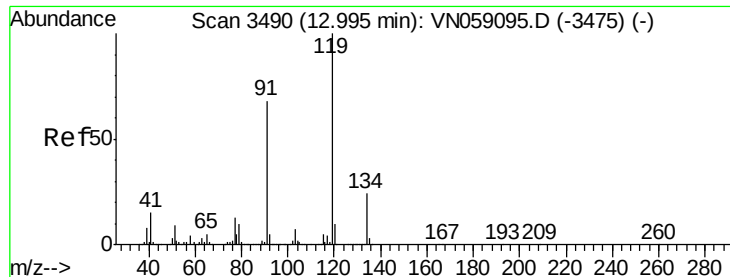
Tgt Ion: 91 Resp: 282772

Ion Ratio Lower Upper

91 100

126 32.6 16.1 48.2

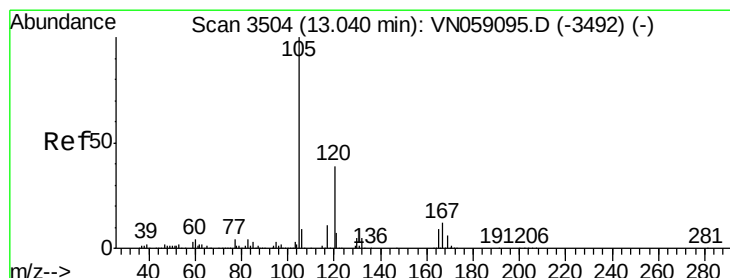
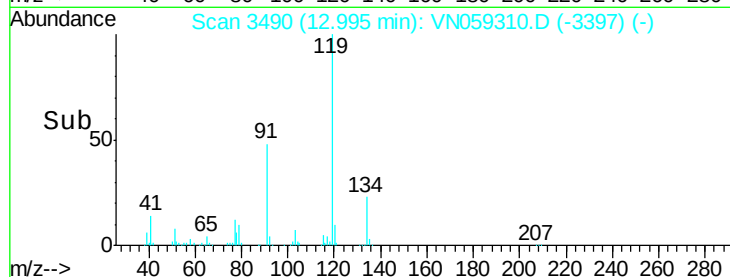
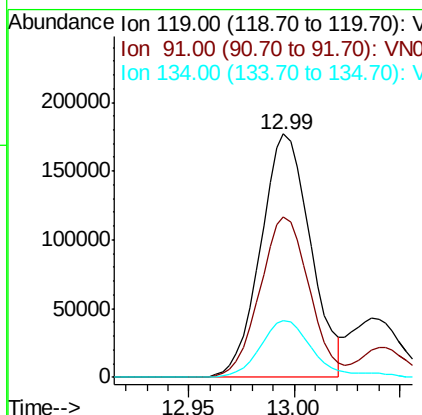
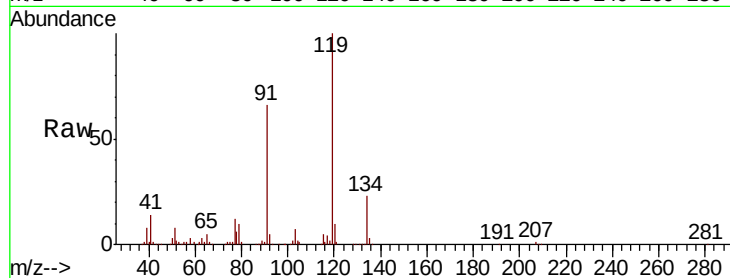




#83
 tert-Butylbenzene
 Concen: 23.747 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

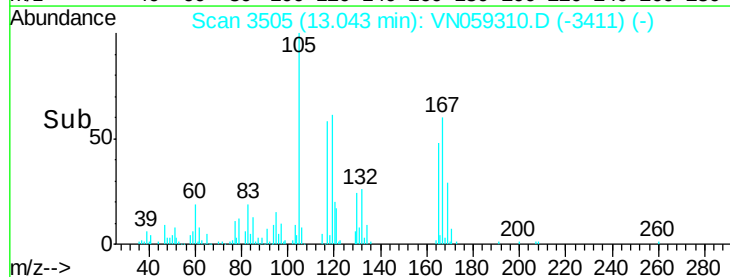
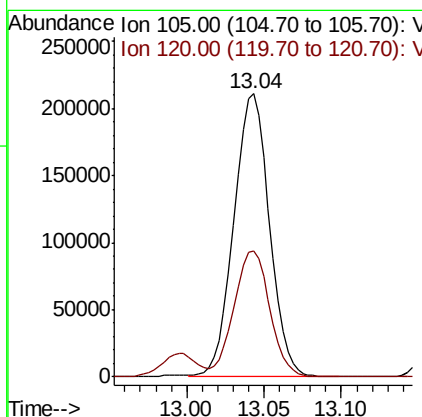
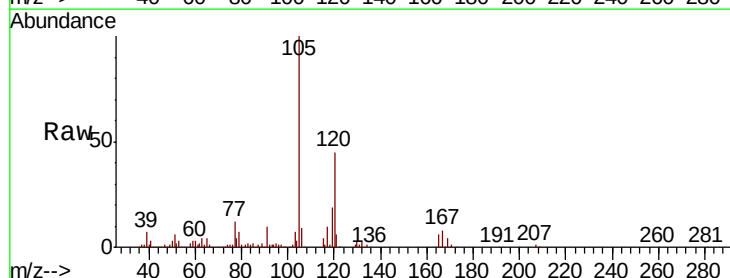
Instrument :
 MSVOA_N
 ClientSampleId :

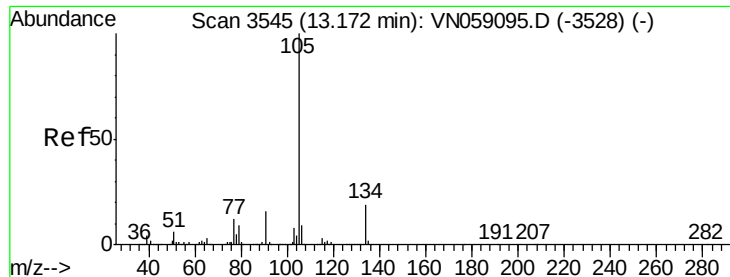
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	33.2	99.6
134	25.0	12.7	38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 24.413 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 24.624 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

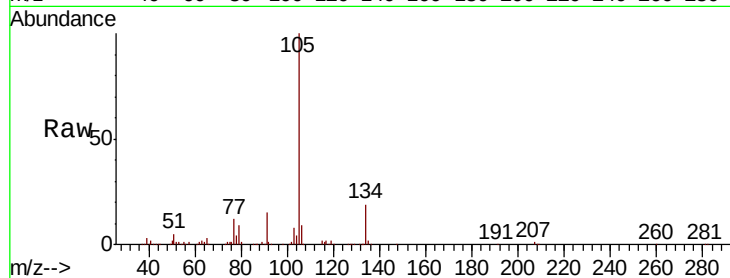
ClientSampled :

Tot Ion:105 Resp: 392176

Ion Ratio Lower Upper

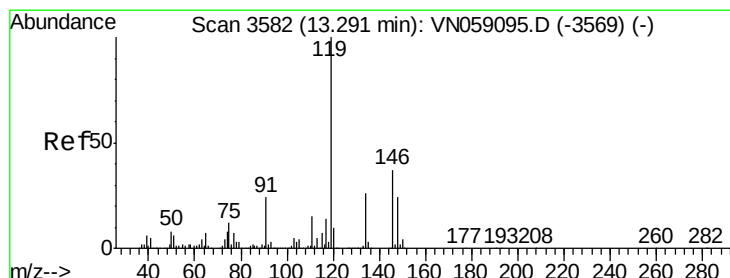
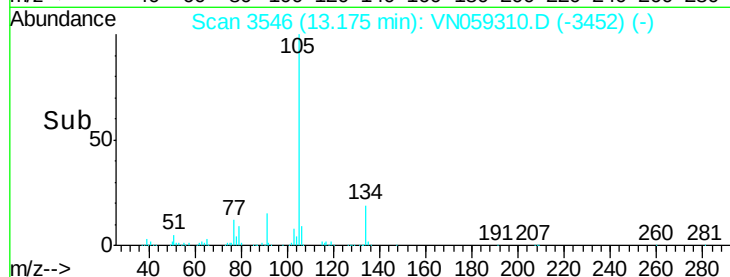
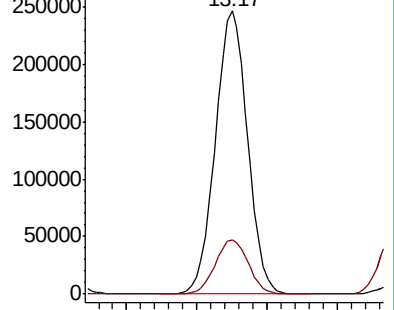
105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.817 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

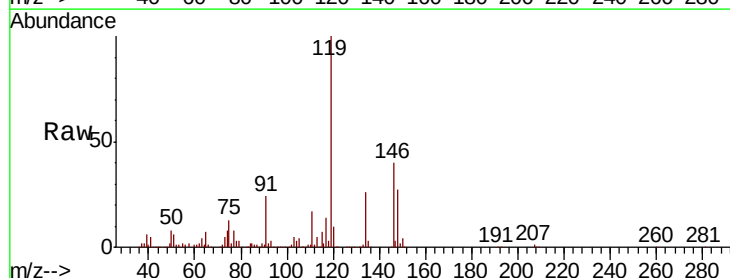
Tgt Ion:119 Resp: 348996

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

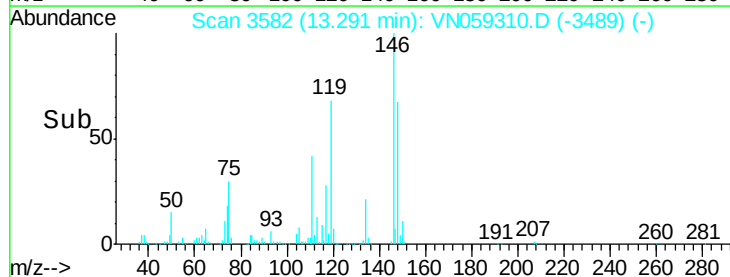
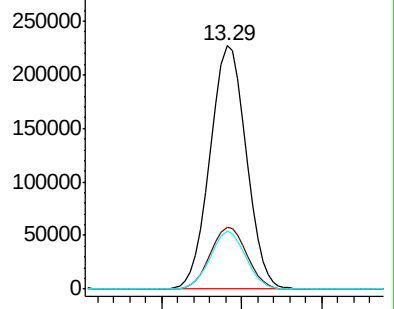
91 23.1 11.7 35.1

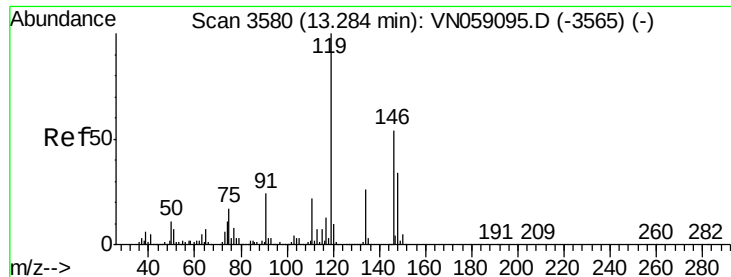


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

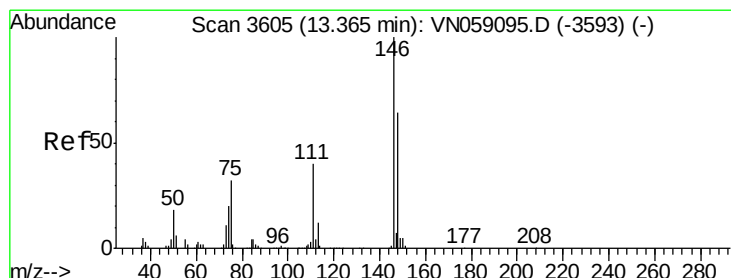
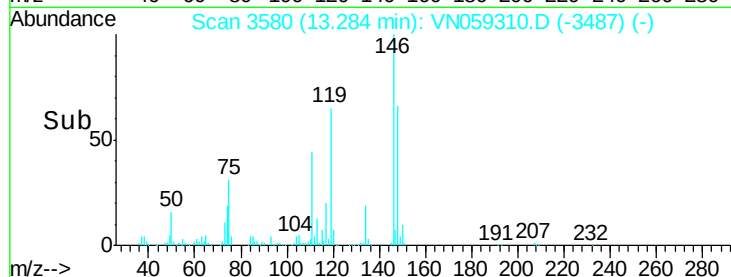
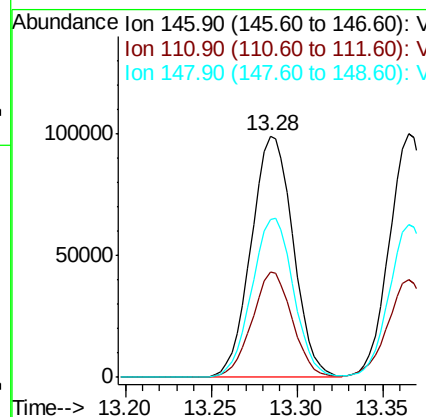
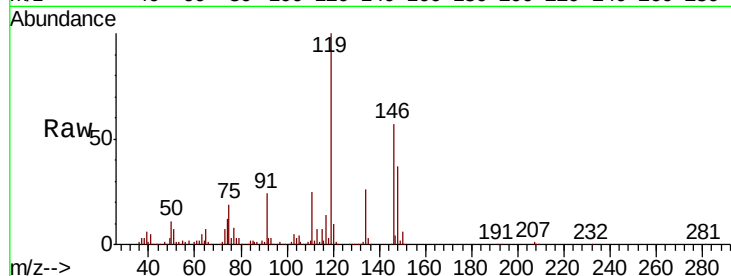




#87
 1,3-Dichlorobenzene
 Concen: 23.304 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

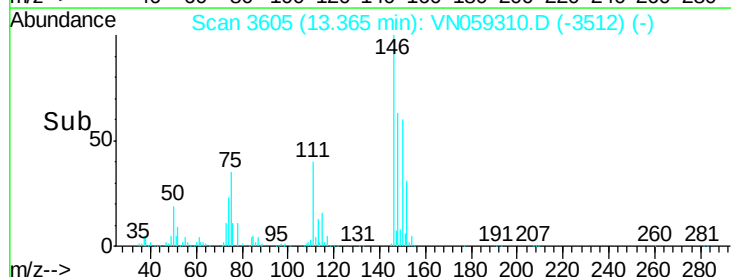
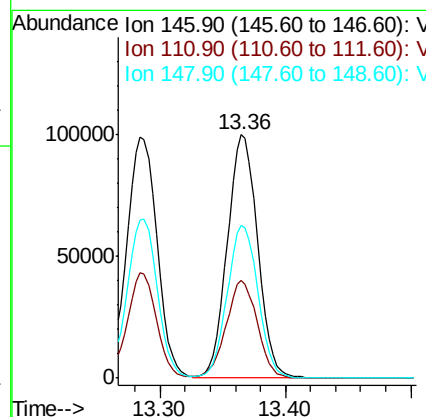
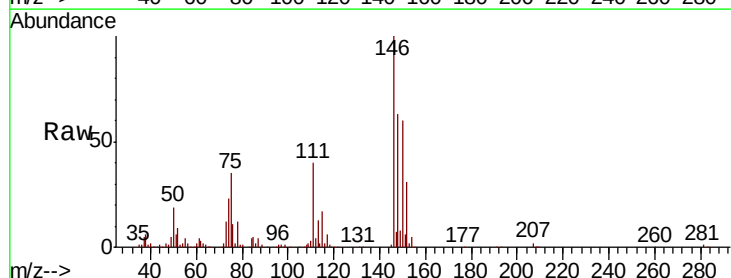
Instrument :
 MSVOA_N
 ClientSampleId :

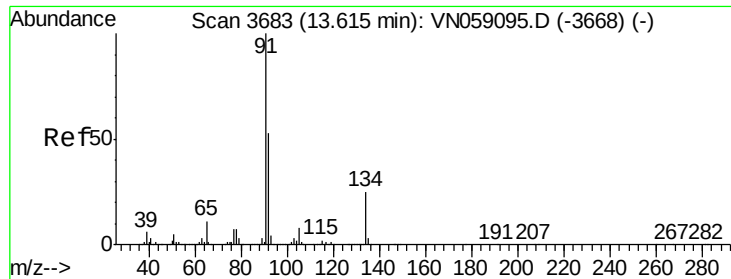
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.3
148	65.6	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 23.228 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.9
148	64.0	31.9	95.7

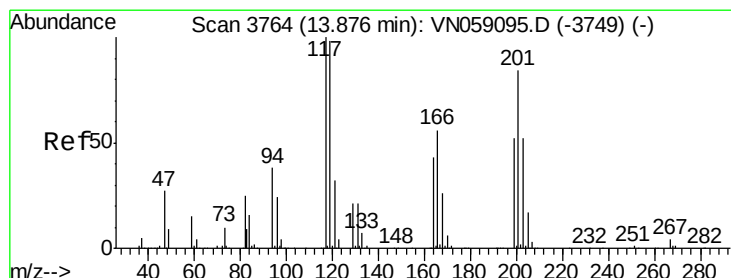
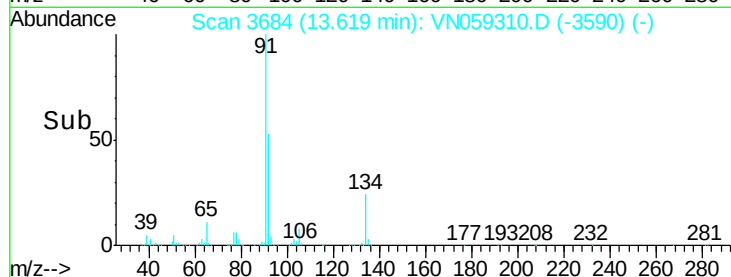
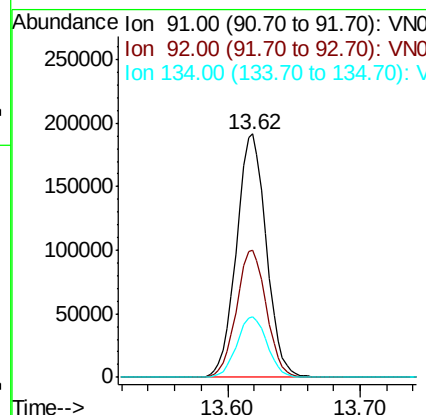
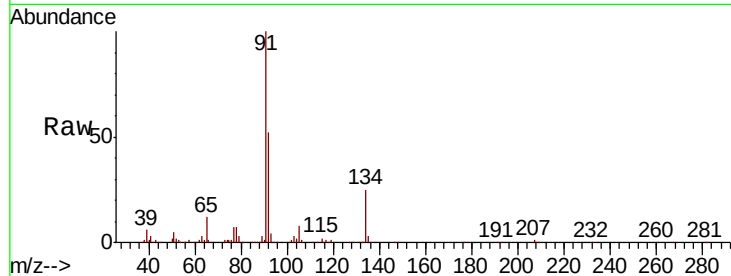




#89
n-Butylbenzene
Concen: 24.339 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

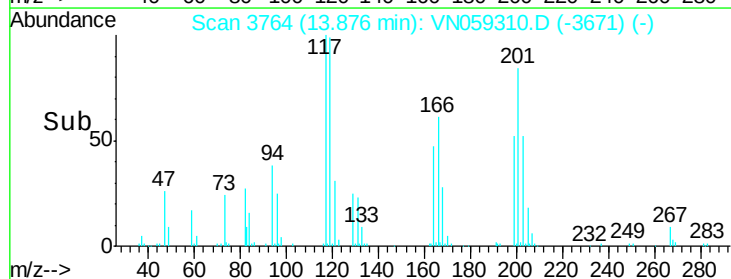
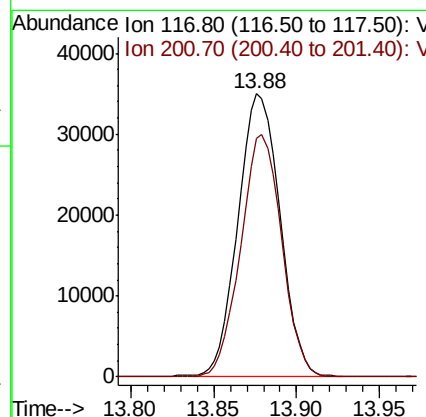
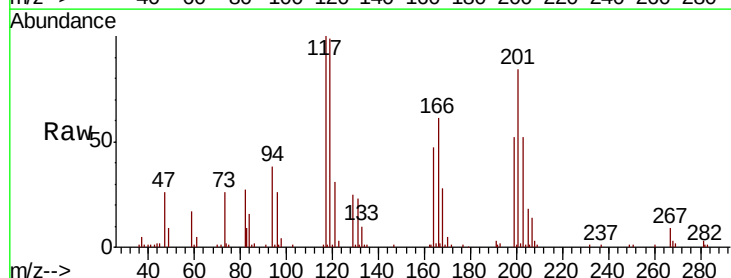
Instrument :
MSVOA_N
ClientSampled :

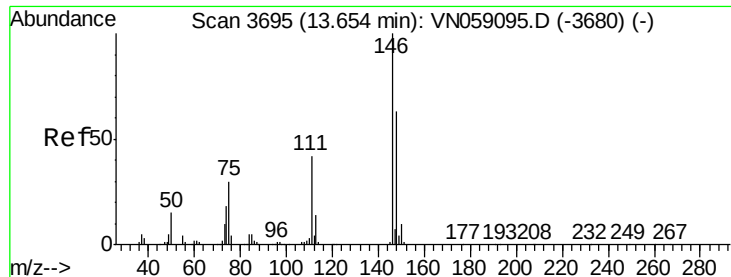
Tot Ion: 91 Resp: 299572
Ion Ratio Lower Upper
91 100
92 52.5 26.1 78.3
134 25.6 12.6 37.8



#90
Hexachloroethane
Concen: 21.878 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059310.D
Acq: 19 Nov 2019 17:02

Tgt Ion: 117 Resp: 61779
Ion Ratio Lower Upper
117 100
201 83.3 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 23.642 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059310.D

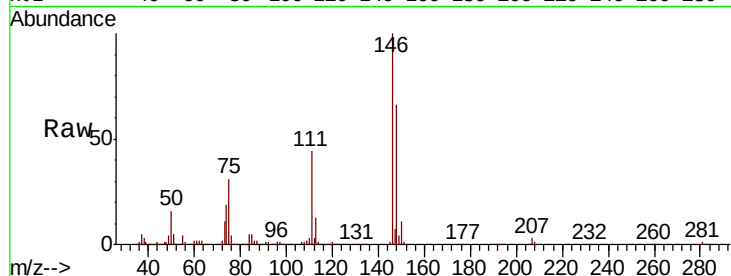
Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

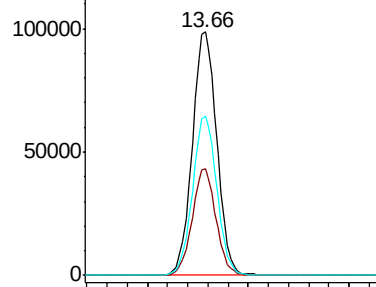
Tot Ion:	146	Resp:	167450
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	64.8	31.6	94.7



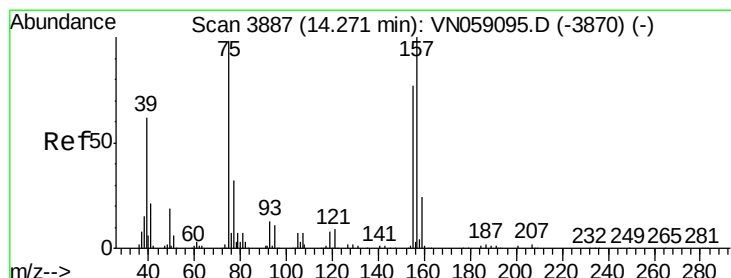
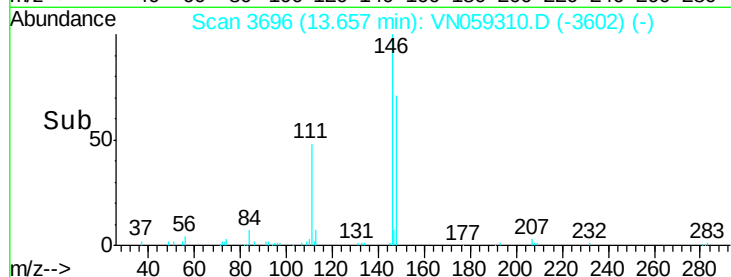
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.161 ug/l

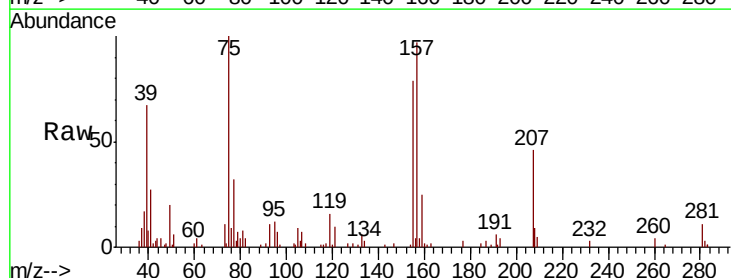
RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

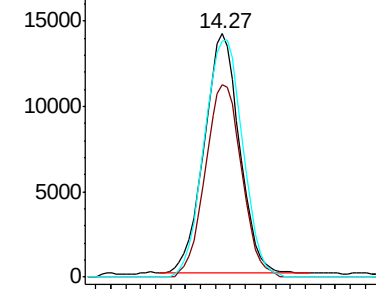
Tgt Ion:	75	Resp:	22906
Ion	Ratio	Lower	Upper
75	100		
155	83.3	40.2	120.6
157	108.7	51.8	155.5



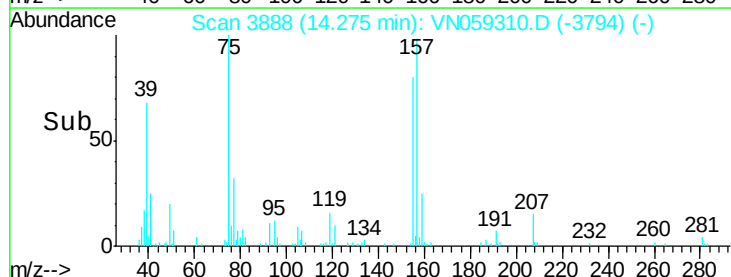
Abundance Ion 74.90 (74.60 to 75.60): V

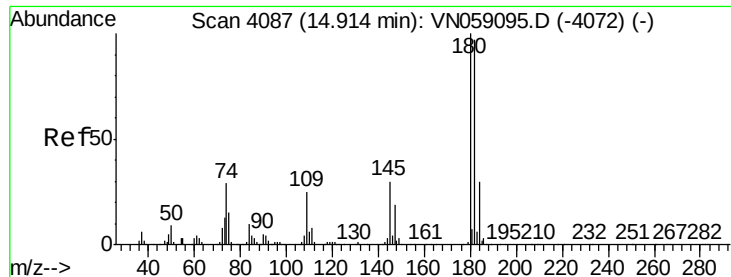
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->

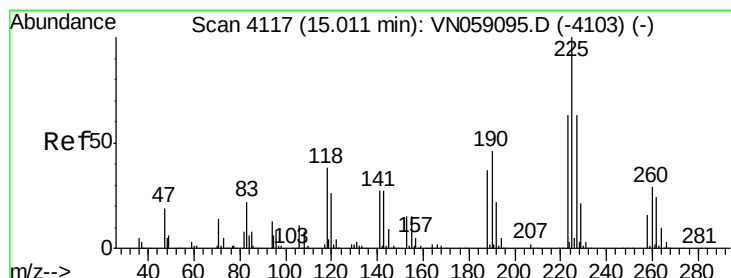
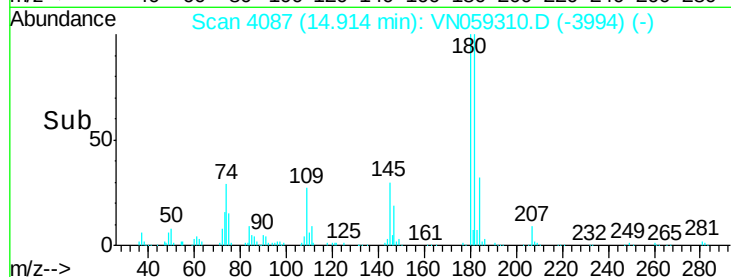
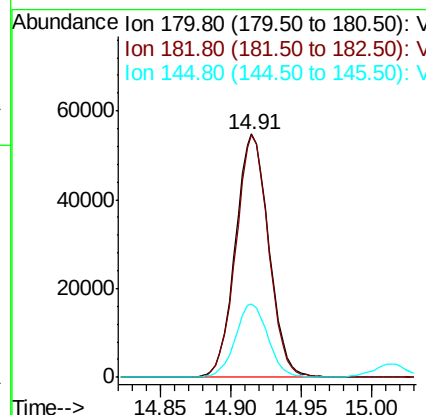
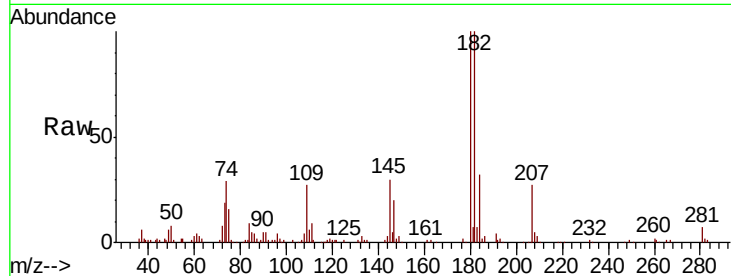




#93
 1,2,4-Trichlorobenzene
 Concen: 22.926 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

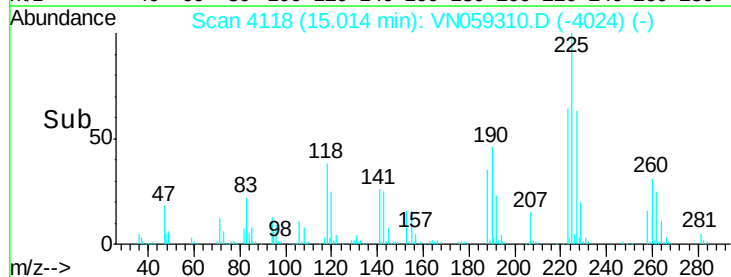
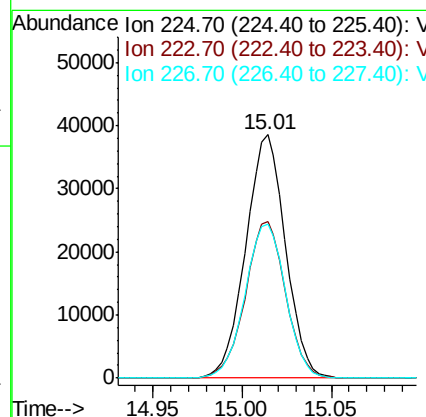
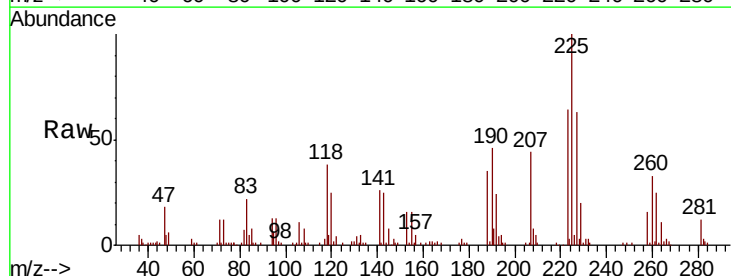
Instrument :
 MSVOA_N
 ClientSampled :

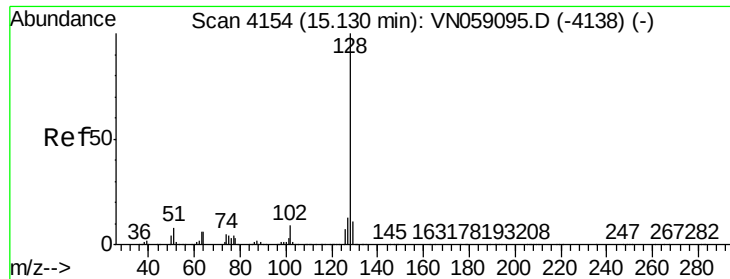
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.1	144.3
145	29.8	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 24.507 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059310.D
 Acq: 19 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.3	93.9
227	64.6	31.5	94.5





#95

Naphthalene

Concen: 22.013 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

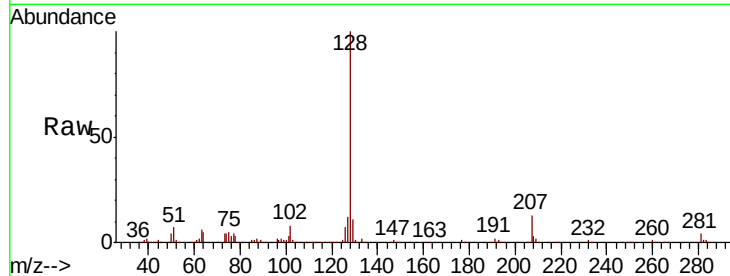
Tot Ion:128 Resp: 240808

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

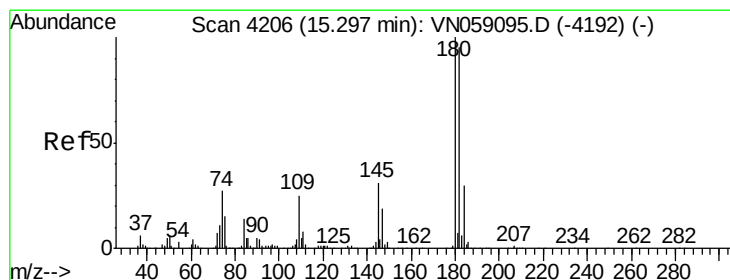
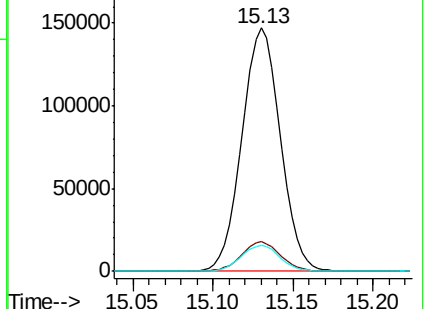
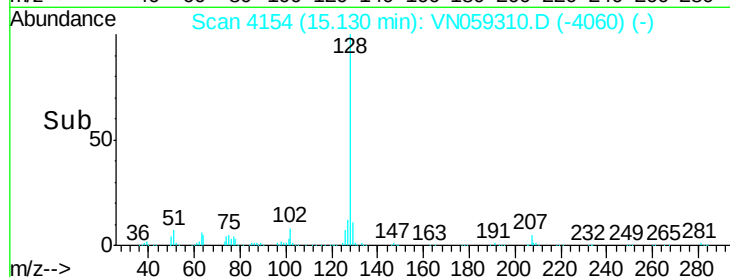
129 10.8 8.6 12.8



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: 22.747 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059310.D

Acq: 19 Nov 2019 17:02

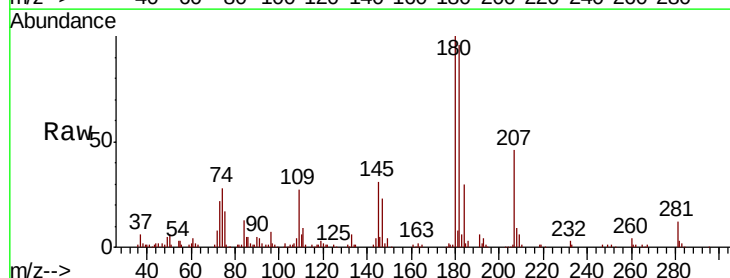
Tgt Ion:180 Resp: 90288

Ion Ratio Lower Upper

180 100

182 94.9 47.3 141.8

145 32.7 15.8 47.3



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

