

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059223.D
 Acq On : 14 Nov 2019 11:19
 Operator : JC/SP
 Sample : VN1114WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 06:26:49 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	7.65	168	366507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	574747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	518741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	234992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	225868	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.57	113	177887	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
50) Toluene-d8	10.08	98	656792	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.40	95	232414	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	64092	17.356	ug/l	99
3) Chloromethane	2.04	50	86100	17.153	ug/l	99
4) Vinyl Chloride	2.17	62	85373	17.543	ug/l	100
5) Bromomethane	2.55	94	51703	18.462	ug/l	100
6) Chloroethane	2.68	64	51278	17.812	ug/l	97
7) Trichlorofluoromethane	3.00	101	110388	18.964	ug/l	100
8) Diethyl Ether	3.39	74	44584	18.850	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68224	19.438	ug/l	99
10) Methyl Iodide	3.93	142	78064	17.969	ug/l	99
11) Tert butyl alcohol	4.76	59	90866	105.828	ug/l	100
12) 1,1-Dichloroethene	3.72	96	62389	18.248	ug/l	95
13) Acrolein	3.59	56	21309	48.136	ug/l	93
14) Allyl chloride	4.30	41	127837	18.203	ug/l	99
15) Acrylonitrile	4.96	53	225037	105.315	ug/l	99
16) Acetone	3.79	43	193109	82.425	ug/l	98
17) Carbon Disulfide	4.03	76	170902	16.103	ug/l	100
18) Methyl Acetate	4.30	43	121765	21.896	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	228193	19.386	ug/l	100
20) Methylene Chloride	4.53	84	77910	19.088	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	67419	18.371	ug/l	98
22) Diisopropyl ether	5.93	45	254365	19.175	ug/l	94
23) Vinyl Acetate	5.87	43	1053256	102.448	ug/l	99
24) 1,1-Dichloroethane	5.82	63	143355	19.349	ug/l	100
25) 2-Butanone	6.81	43	299508	96.999	ug/l	99
26) 2,2-Dichloropropane	6.80	77	120779	18.643	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	80730	18.961	ug/l	99
28) Bromochloromethane	7.18	49	41994	18.839	ug/l	100
29) Tetrahydrofuran	7.19	42	200335	102.110	ug/l	98
30) Chloroform	7.35	83	139859	19.678	ug/l	97
31) Cyclohexane	7.63	56	118883	16.949	ug/l	# 94
32) 1,1,1-Trichloroethane	7.55	97	116416	19.482	ug/l	99
36) 1,1-Dichloropropene	7.77	75	97700	18.186	ug/l	100
37) Ethyl Acetate	6.90	43	121721	20.367	ug/l	98
38) Carbon Tetrachloride	7.75	117	100456	18.787	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059223.D
 Acq On : 14 Nov 2019 11:19
 Operator : JC/SP
 Sample : VN1114WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 06:26:49 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)
39) Methylcyclohexane	9.07	83	108192	17.353	ug/l	98
40) Benzene	8.02	78	306495	18.946	ug/l	99
41) Methacrylonitrile	7.19	41	179044	68.895	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	108998	19.645	ug/l	99
43) Isopropyl Acetate	8.15	43	183266	19.235	ug/l	99
44) Trichloroethene	8.82	130	74053	18.622	ug/l	98
45) 1,2-Dichloropropane	9.10	63	83776	19.065	ug/l	100
46) Dibromomethane	9.19	93	54312	19.835	ug/l	98
47) Bromodichloromethane	9.39	83	106860	19.544	ug/l	97
48) Methyl methacrylate	9.19	41	81715	19.174	ug/l	100
49) 1,4-Dioxane	9.19	88	32168	424.724	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	603703	111.981	ug/l	99
52) Toluene	10.15	92	181261	18.694	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	117955	18.673	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	126171	18.568	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	76899	19.596	ug/l	100
56) Ethyl methacrylate	10.42	69	109846	18.027	ug/l	99
57) 1,3-Dichloropropane	10.70	76	132160	19.568	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	106199	48.628	ug/l	98
59) 2-Hexanone	10.74	43	439887	106.306	ug/l	98
60) Dibromochloromethane	10.90	129	81992	19.762	ug/l	100
61) 1,2-Dibromoethane	11.00	107	78042	19.645	ug/l	99
64) Tetrachloroethene	10.63	164	65556	18.585	ug/l	97
65) Chlorobenzene	11.43	112	193314	19.117	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	75492	19.901	ug/l	99
67) Ethyl Benzene	11.51	91	340921	19.002	ug/l	99
68) m/p-Xylenes	11.62	106	250653	37.296	ug/l	99
69) o-Xylene	11.95	106	120607	18.570	ug/l	99
70) Styrene	11.96	104	190653	18.665	ug/l	100
71) Bromoform	12.13	173	58332	19.769	ug/l #	99
73) Isopropylbenzene	12.25	105	327477	19.158	ug/l	100
74) N-amyl acetate	12.07	43	136159	18.798	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	122403	21.027	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	157453	29.431	ug/l #	100
77) Bromobenzene	12.53	156	81273	18.925	ug/l	100
78) n-propylbenzene	12.59	91	371389	18.976	ug/l	100
79) 2-Chlorotoluene	12.67	91	229179	18.876	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	274552	18.955	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39392	19.448	ug/l	99
82) 4-Chlorotoluene	12.77	91	232734	19.112	ug/l	100
83) tert-Butylbenzene	12.99	119	234426	18.742	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	269846	19.256	ug/l	98
85) sec-Butylbenzene	13.17	105	308900	18.989	ug/l	100
86) p-Isopropyltoluene	13.29	119	274126	19.085	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	138922	18.890	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	136861	18.600	ug/l	99
89) n-Butylbenzene	13.62	91	220681	17.554	ug/l	99
90) Hexachloroethane	13.88	117	55868	19.370	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	141941	19.621	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24100	20.767	ug/l	99

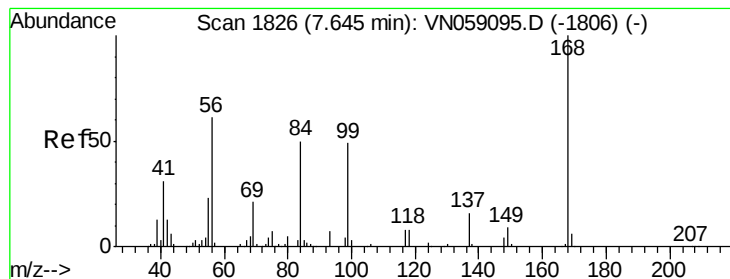
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
Data File : VN059223.D
Acq On : 14 Nov 2019 11:19
Operator : JC/SP
Sample : VN1114WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 15 06:26:49 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	68270	17.653	ug/l	99
94) Hexachlorobutadiene	15.01	225	47241	18.939	ug/l	99
95) Naphthalene	15.13	128	189120	17.630	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	73015	18.010	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

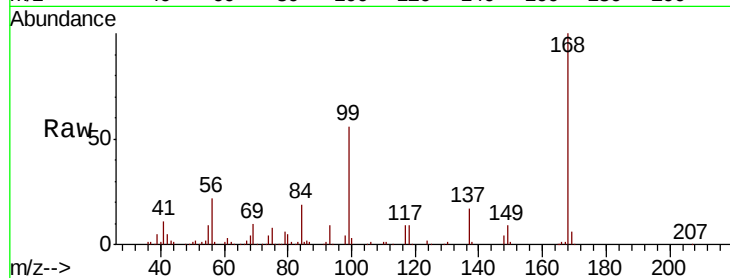
ClientSampled :

Tot Ion:168 Resp: 366507

Ion Ratio Lower Upper

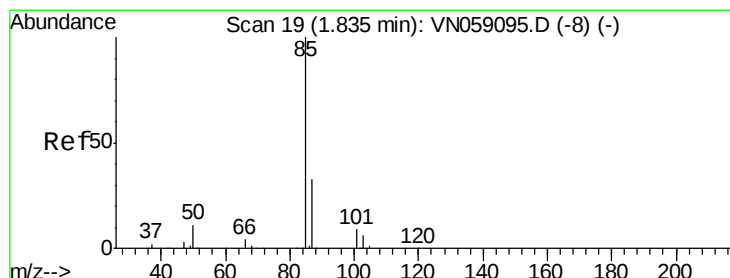
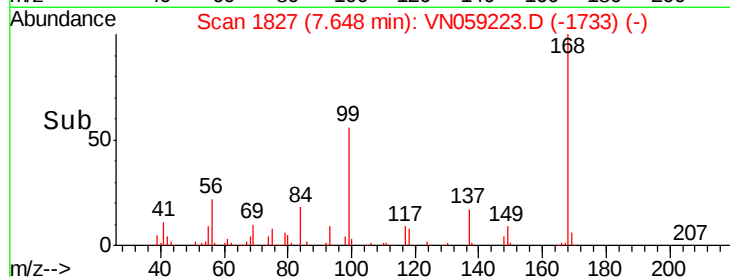
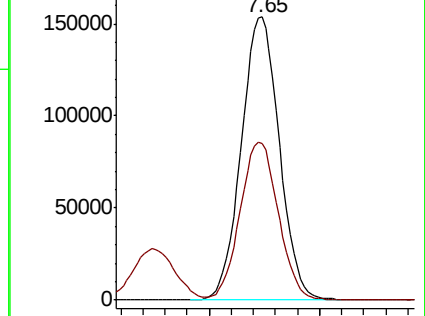
168 100

99 55.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.356 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN059223.D

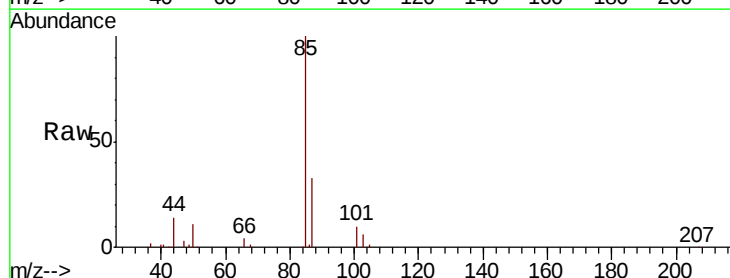
Acq: 14 Nov 2019 11:19

Tgt Ion: 85 Resp: 64092

Ion Ratio Lower Upper

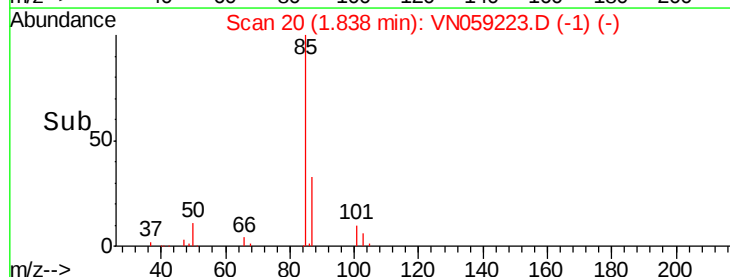
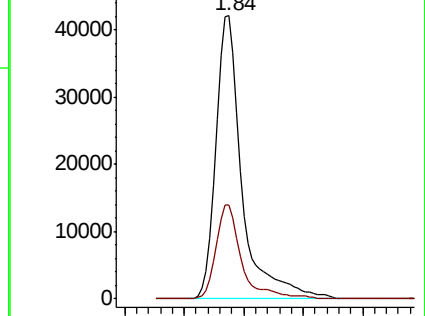
85 100

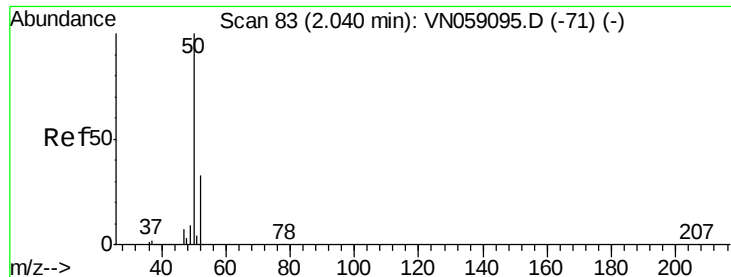
87 33.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.153 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

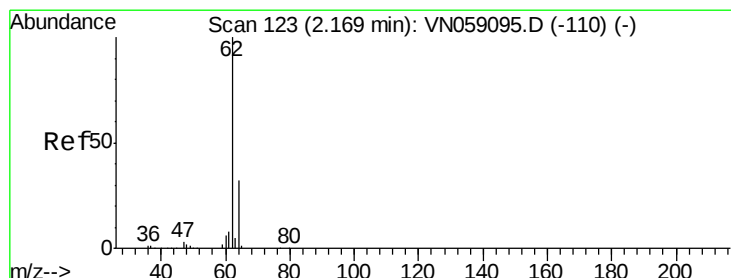
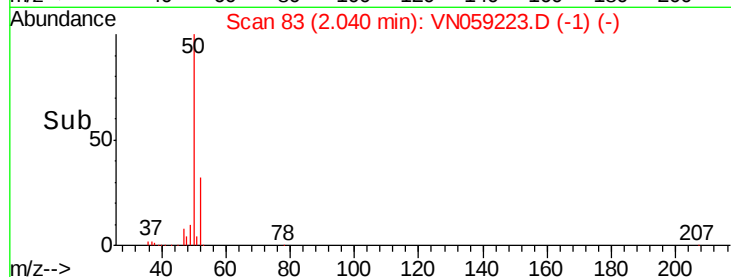
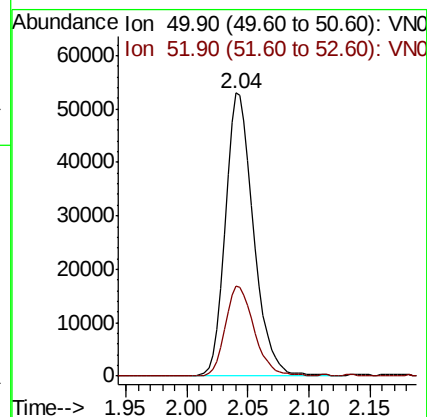
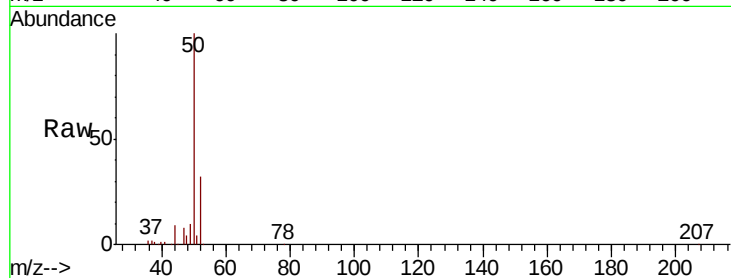
ClientSampled :

Tot Ion: 50 Resp: 86100

Ion Ratio Lower Upper

50 100

52 31.7 26.0 39.0



#4

Vinyl Chloride

Concen: 17.543 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059223.D

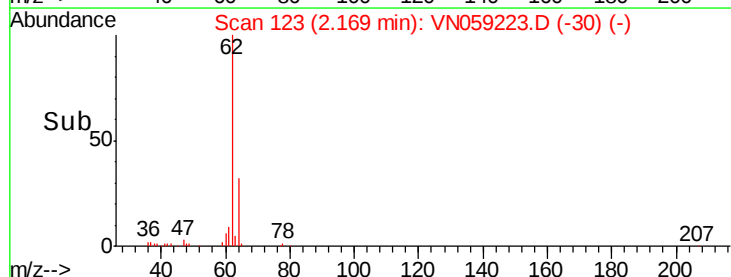
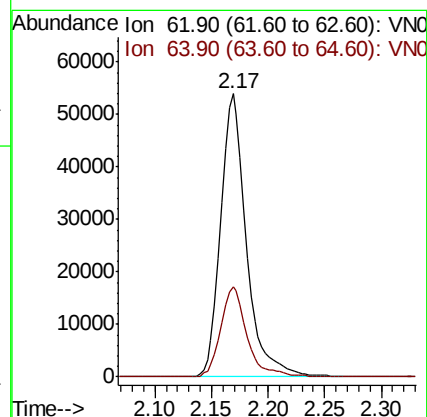
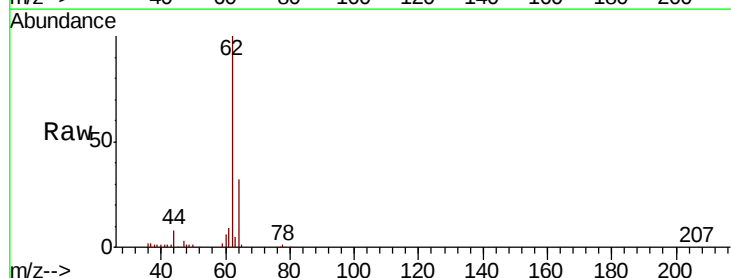
Acq: 14 Nov 2019 11:19

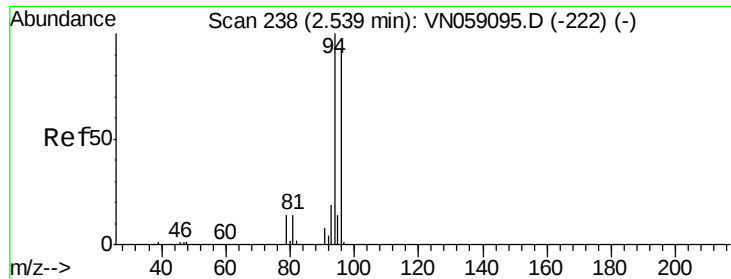
Tgt Ion: 62 Resp: 85373

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 18.462 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

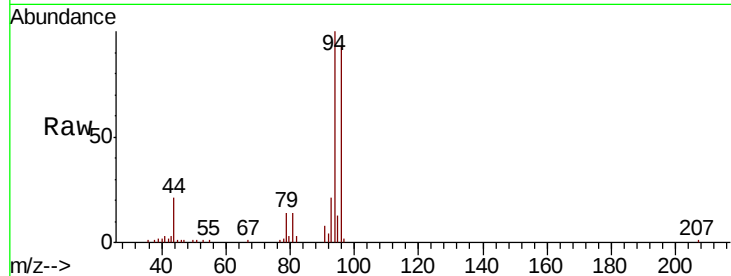
ClientSampled :

Tot Ion: 94 Resp: 51703

Ion Ratio Lower Upper

94 100

96 93.1 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

5000

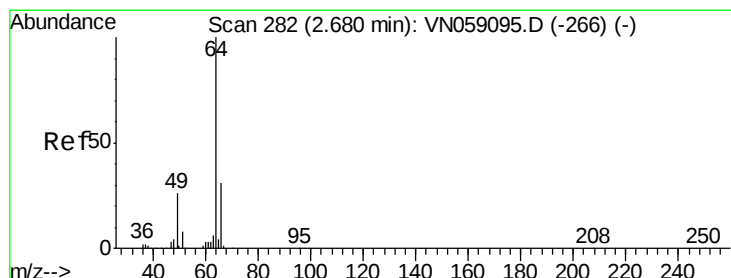
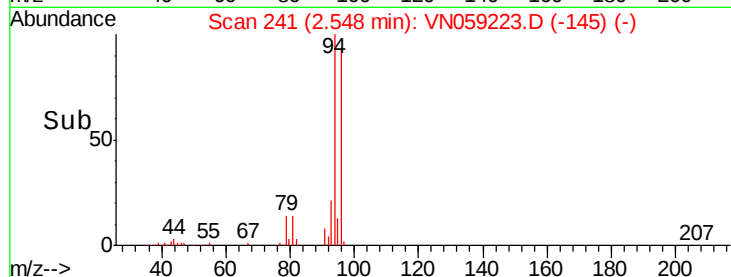
0

Time-->

2.50

2.55

2.60



#6

Chloroethane

Concen: 17.812 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059223.D

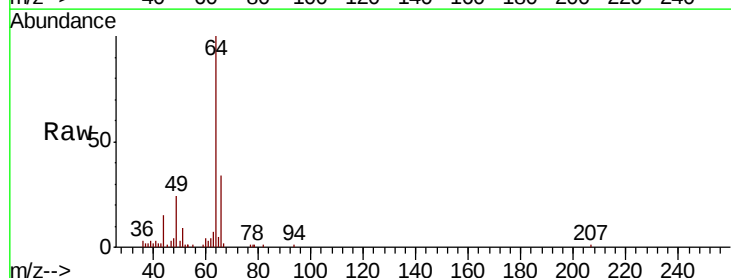
Acq: 14 Nov 2019 11:19

Tgt Ion: 64 Resp: 51278

Ion Ratio Lower Upper

64 100

66 33.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

15000

10000

5000

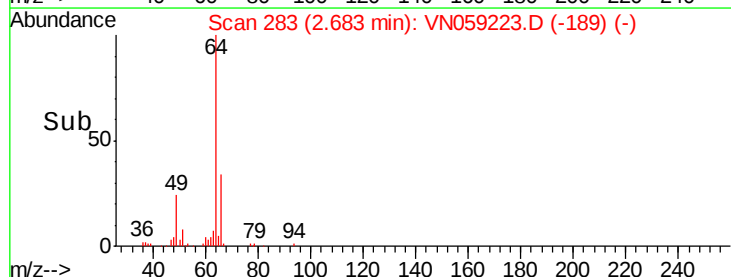
0

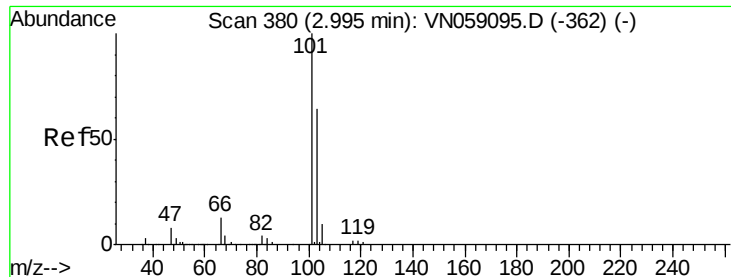
Time-->

2.60

2.68

2.80



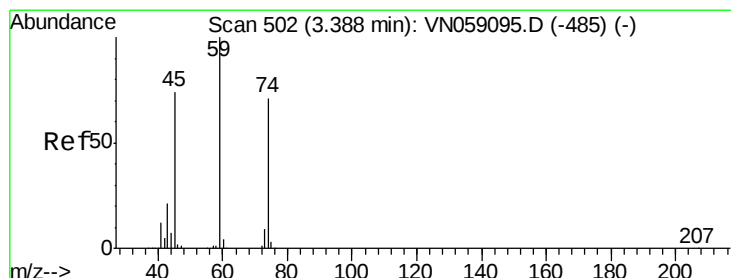
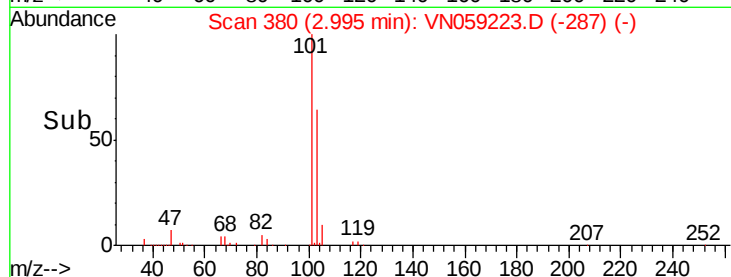
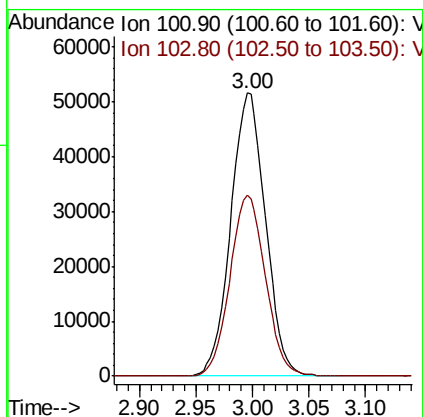
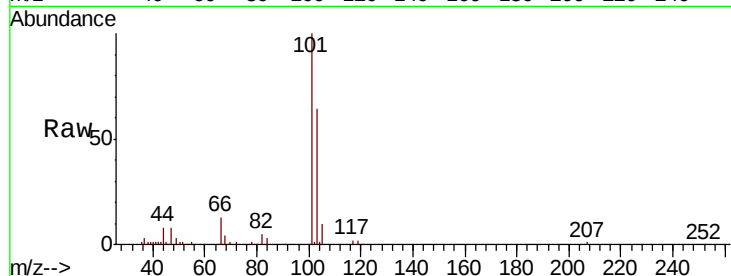


#7

Trichlorofluoromethane
 Concen: 18.964 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Instrument :
 MSVOA_N
 ClientSampled :

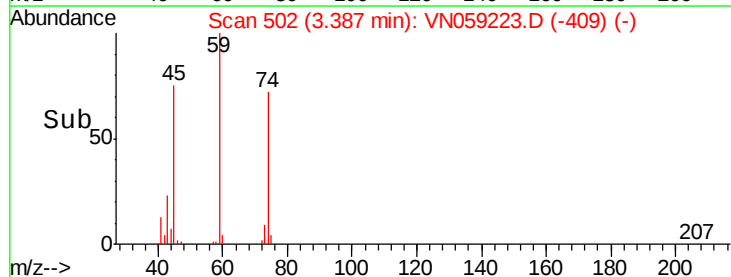
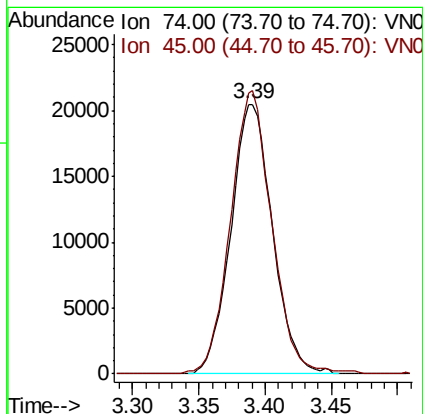
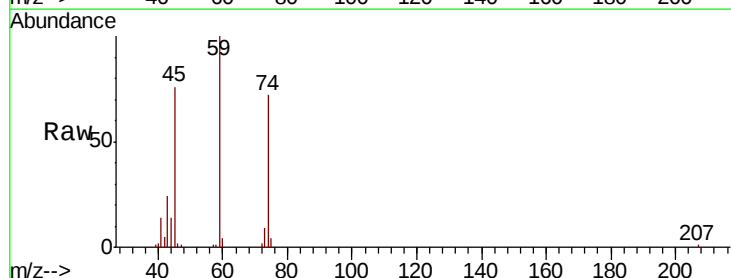
Tot Ion:101 Resp: 110388
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.2 76.8

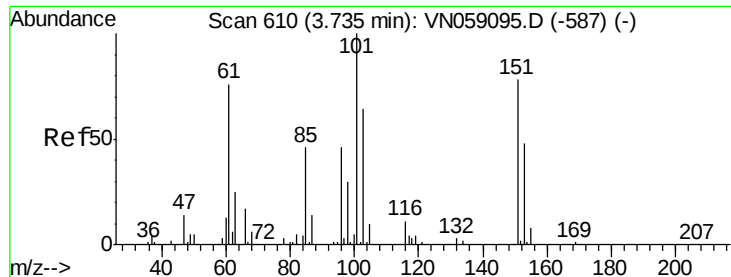


#8

Diethyl Ether
 Concen: 18.850 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Tgt Ion: 74 Resp: 44584
 Ion Ratio Lower Upper
 74 100
 45 104.0 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.438 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

ClientSampled :

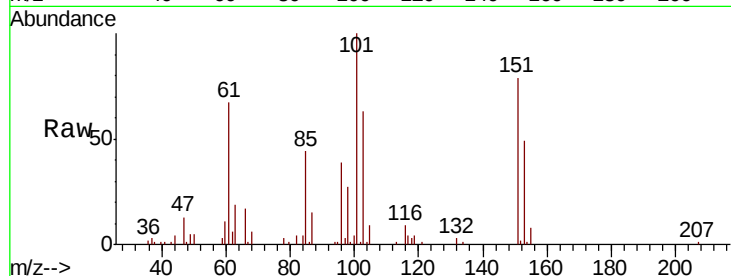
Tot Ion:101 Resp: 68224

Ion Ratio Lower Upper

101 100

85 44.8 35.5 53.3

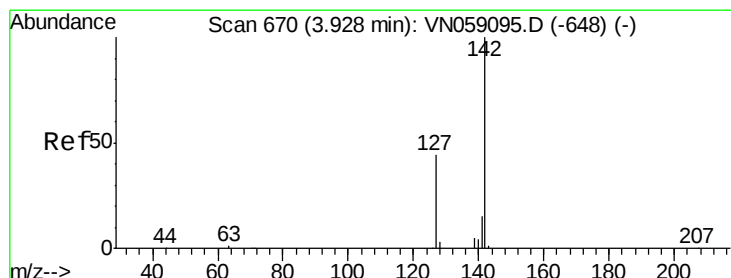
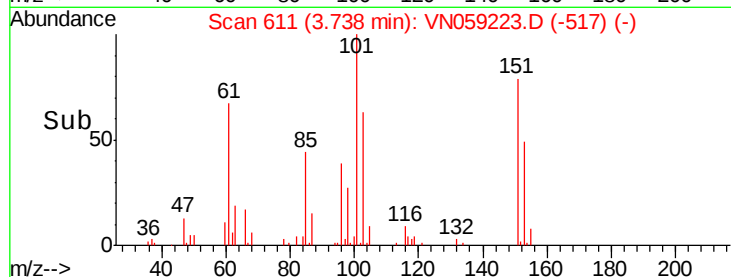
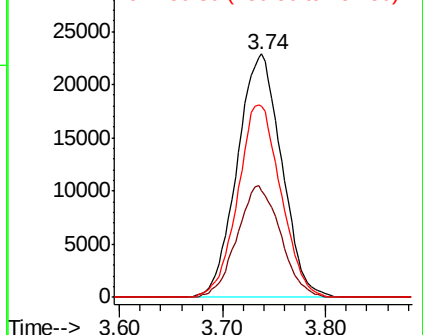
151 76.9 62.2 93.2



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: 17.969 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

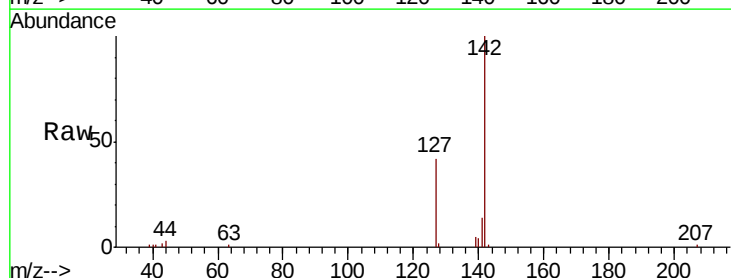
Tgt Ion:142 Resp: 78064

Ion Ratio Lower Upper

142 100

127 41.6 34.2 51.2

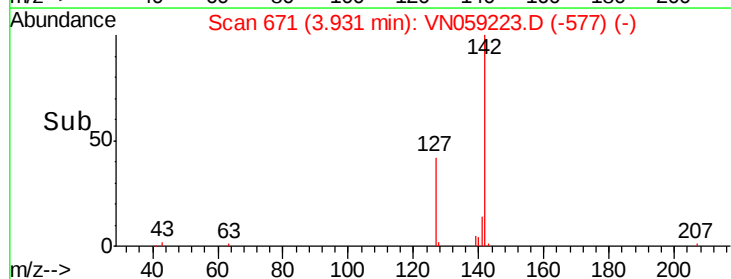
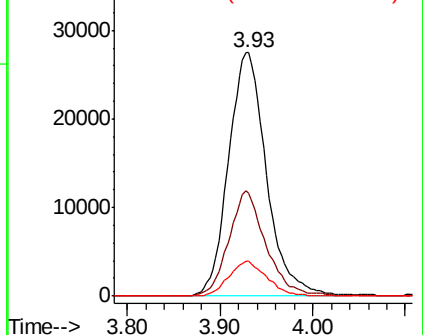
141 14.2 11.4 17.0

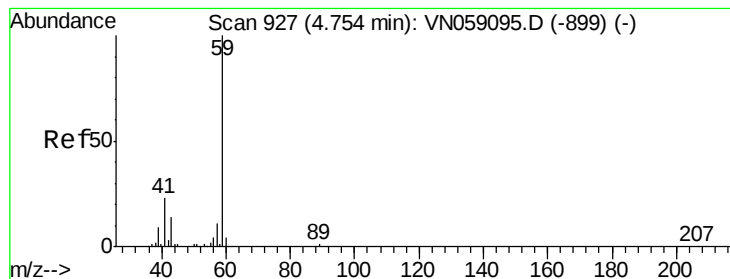


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



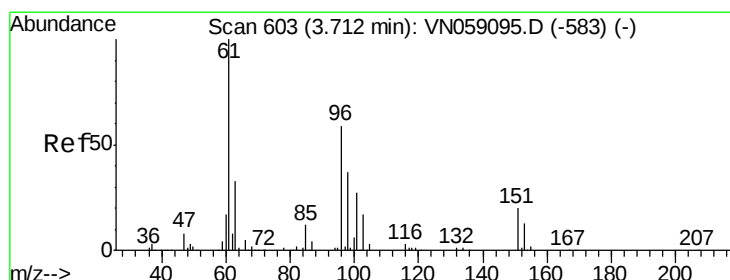
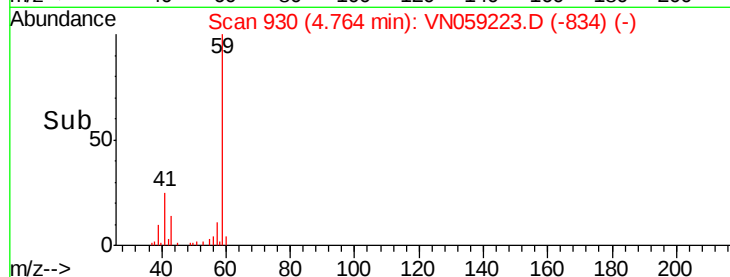
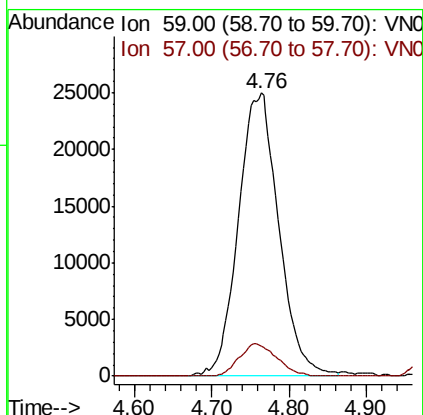
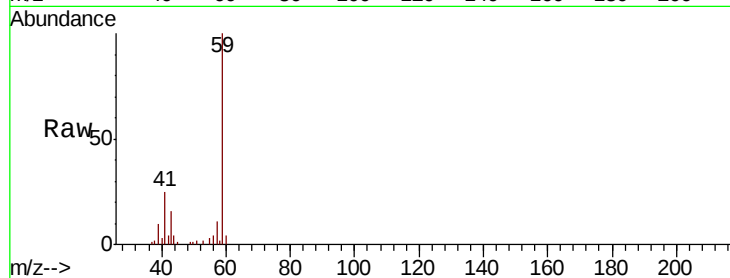


#11

Tert butyl alcohol
 Concen: 105.828 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Instrument :
 MSVOA_N
 ClientSampled :

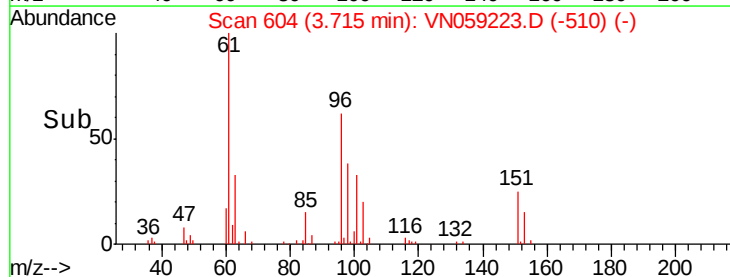
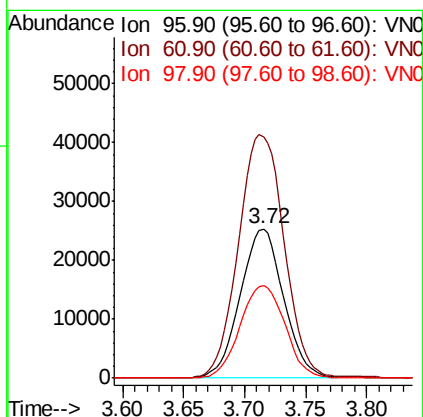
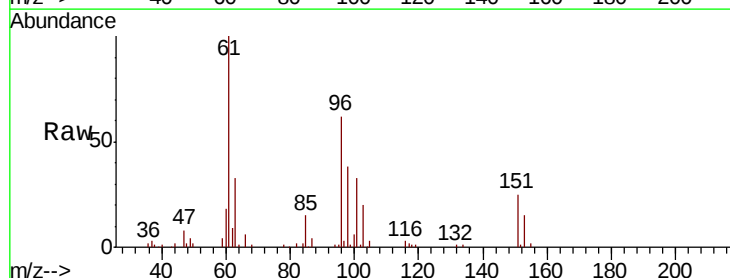
Tot Ion: 59 Resp: 90866
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.3 12.5

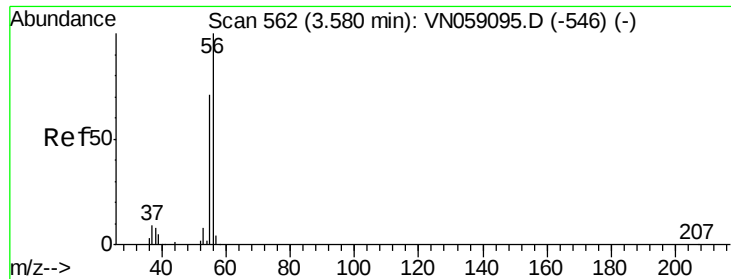


#12

1,1-Dichloroethene
 Concen: 18.248 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Tgt Ion: 96 Resp: 62389
 Ion Ratio Lower Upper
 96 100
 61 161.6 136.5 204.7
 98 61.8 50.2 75.4





#13

Acrolein

Concen: 48.136 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

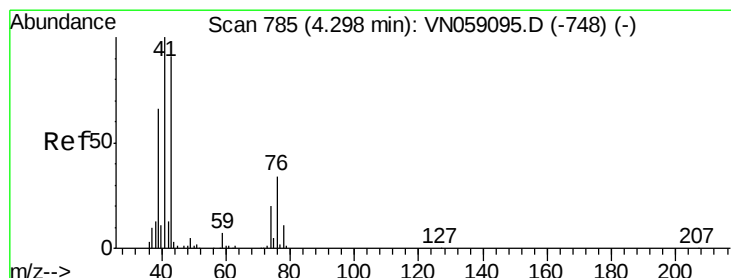
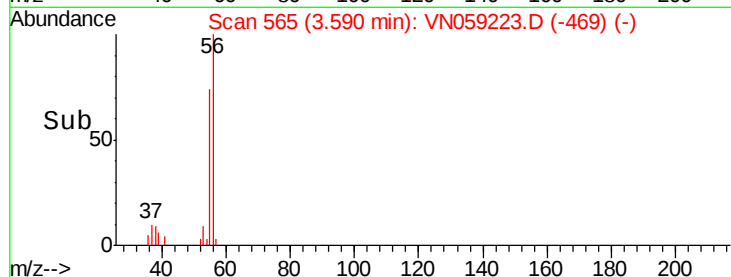
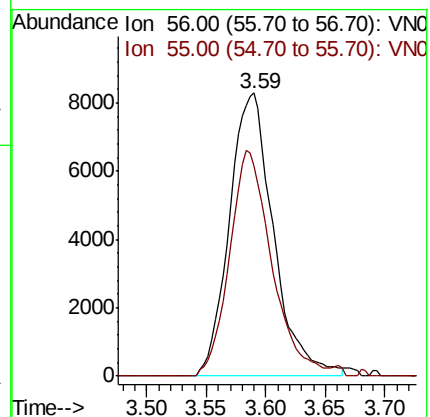
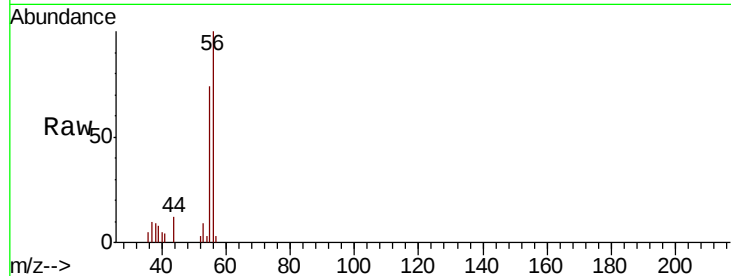
ClientSampleId :

Tot Ion: 56 Resp: 21309

Ion Ratio Lower Upper

56 100

55 76.1 56.4 84.6



#14

Allyl chloride

Concen: 18.203 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

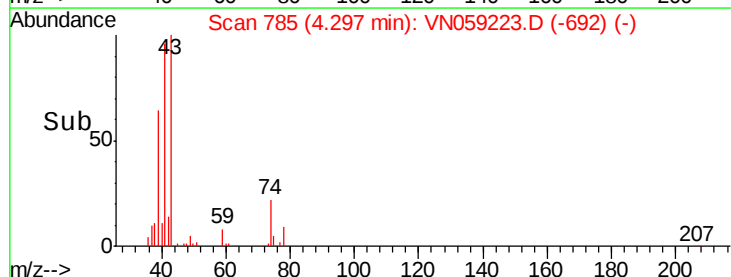
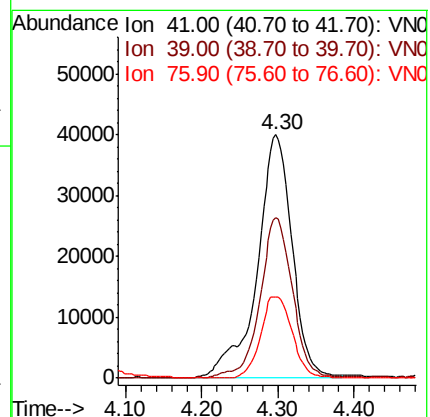
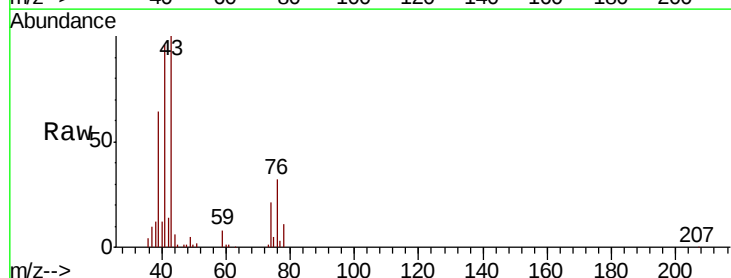
Tgt Ion: 41 Resp: 127837

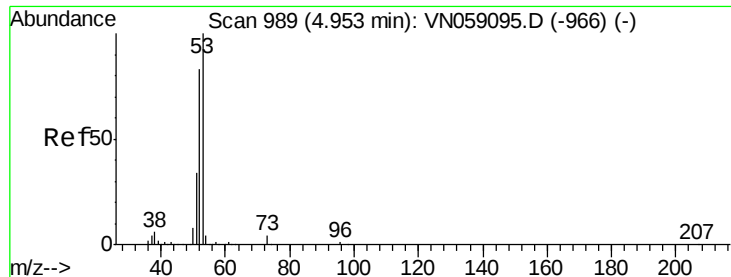
Ion Ratio Lower Upper

41 100

39 61.0 49.1 73.7

76 30.2 24.9 37.3





#15

Acrylonitrile

Concen: 105.315 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

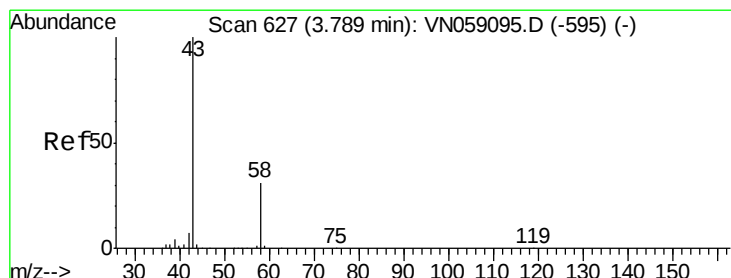
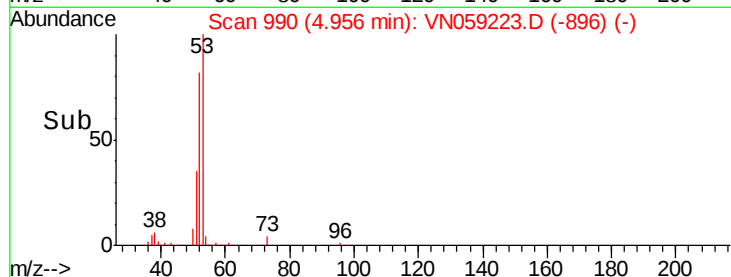
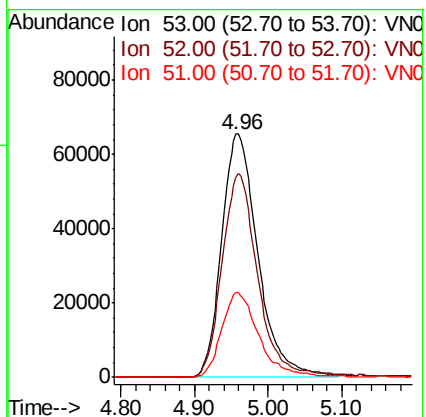
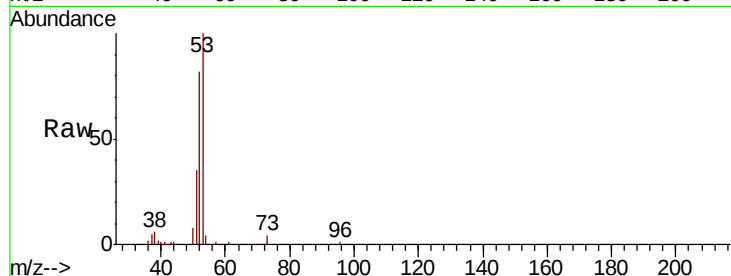
Tot Ion: 53 Resp: 225037

Ion Ratio Lower Upper

53 100

52 82.1 65.0 97.6

51 36.0 28.0 42.0



#16

Acetone

Concen: 82.425 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059223.D

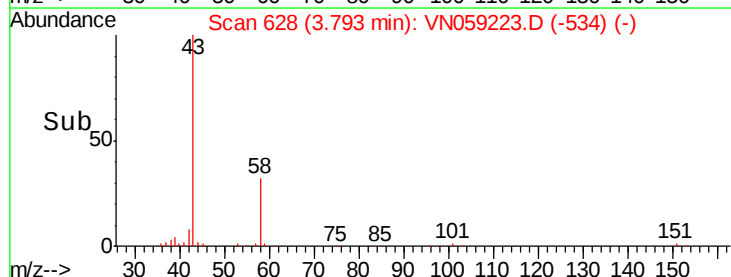
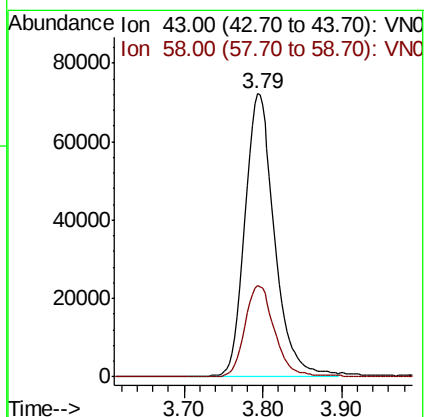
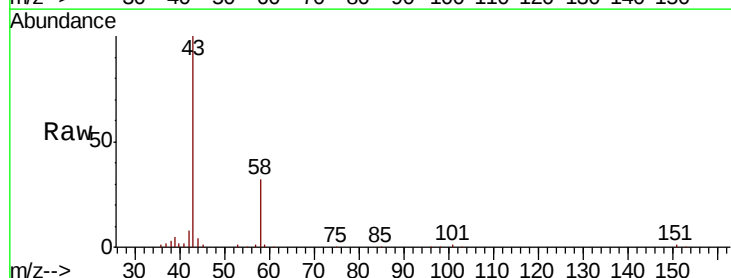
Acq: 14 Nov 2019 11:19

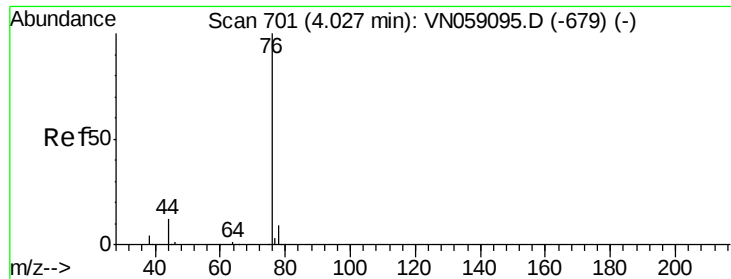
Tgt Ion: 43 Resp: 193109

Ion Ratio Lower Upper

43 100

58 32.1 24.9 37.3

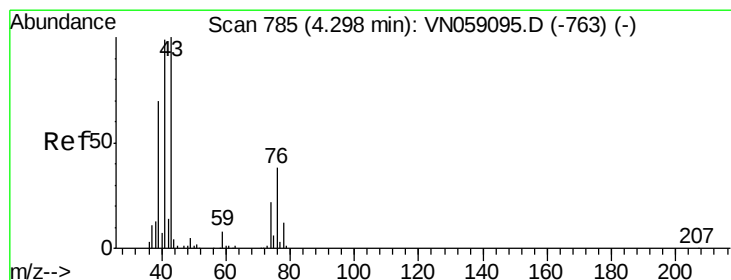
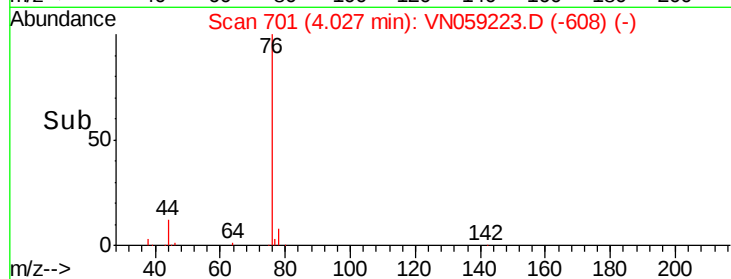
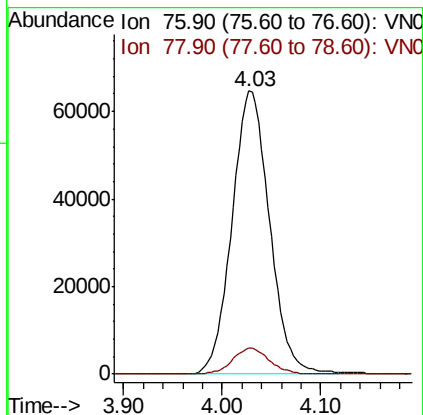
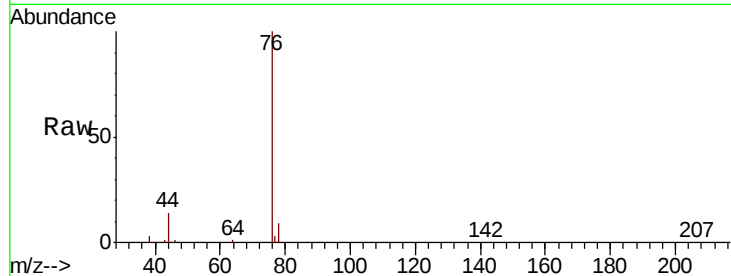




#17
Carbon Disulfide
Concen: 16.103 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

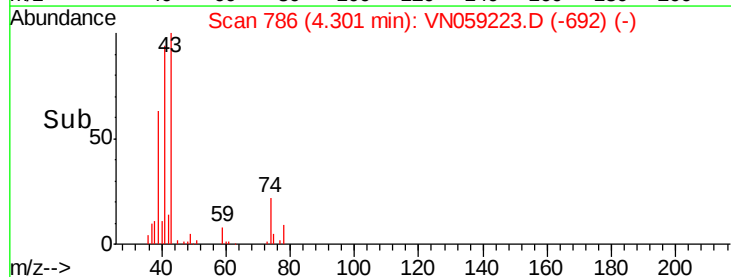
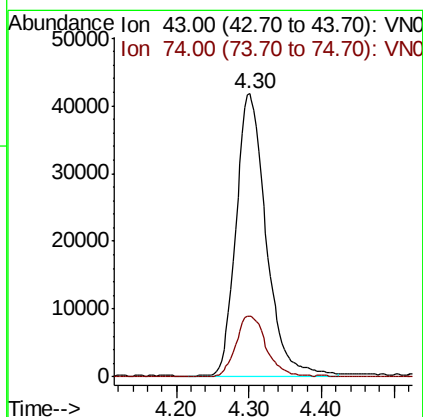
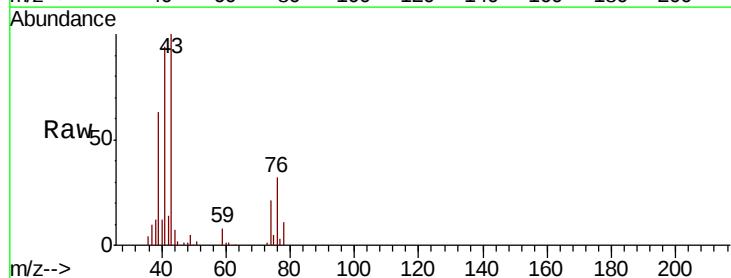
Instrument :
MSVOA_N
ClientSampled :

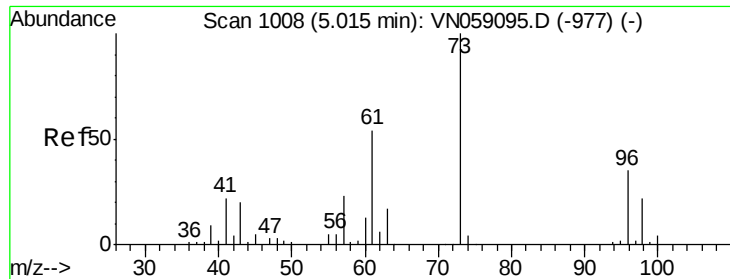
Tot Ion: 76 Resp: 170902
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 21.896 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion: 43 Resp: 121765
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.8

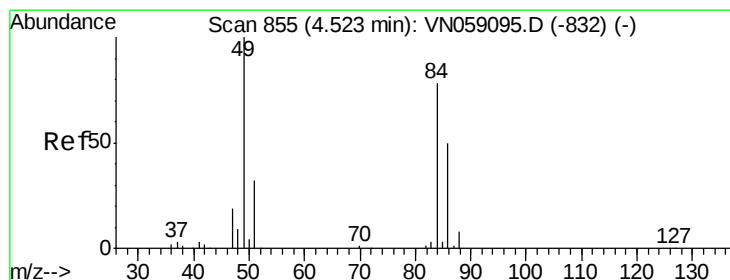
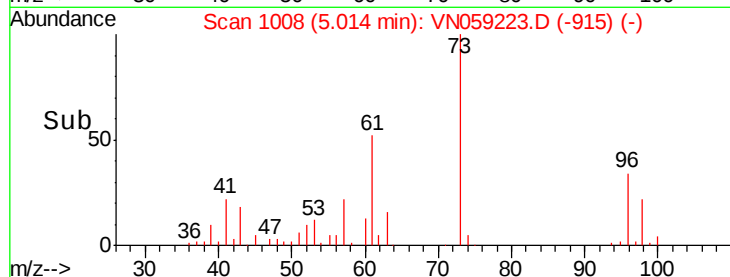
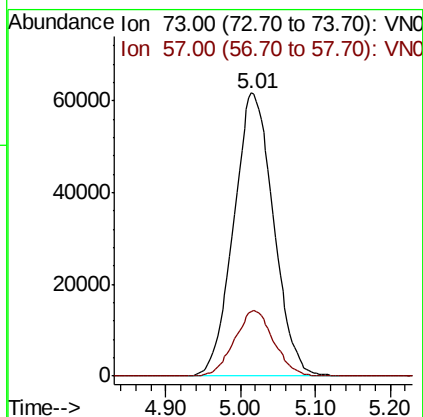
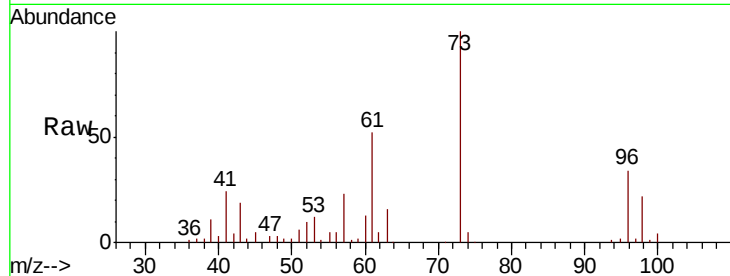




#19
Methvl tert-butvl Ether
Concen: 19.386 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

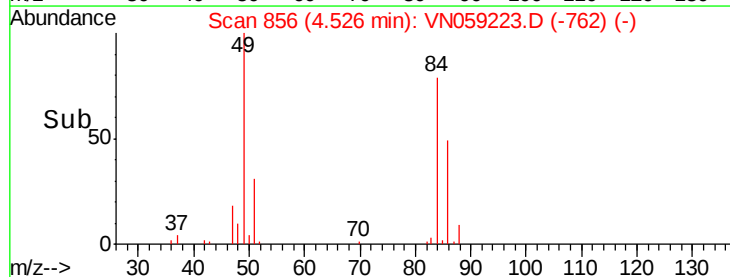
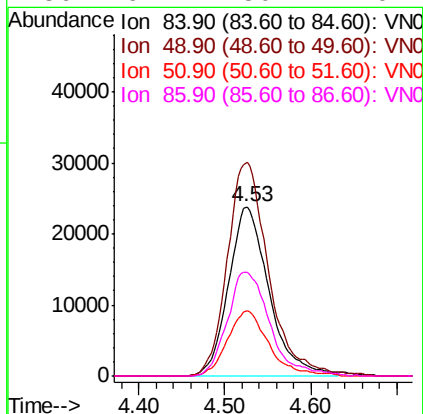
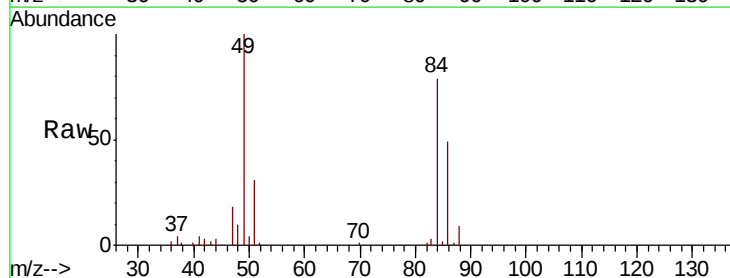
Instrument :
MSVOA_N
ClientSampled :

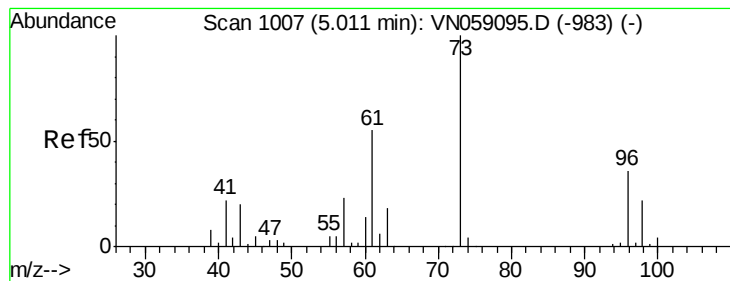
Tot Ion: 73 Resp: 228193
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 19.088 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion: 84 Resp: 77910
Ion Ratio Lower Upper
84 100
49 126.1 102.0 153.0
51 38.6 32.2 48.2
86 61.4 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 18.371 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :
MSVOA_N
ClientSampled :

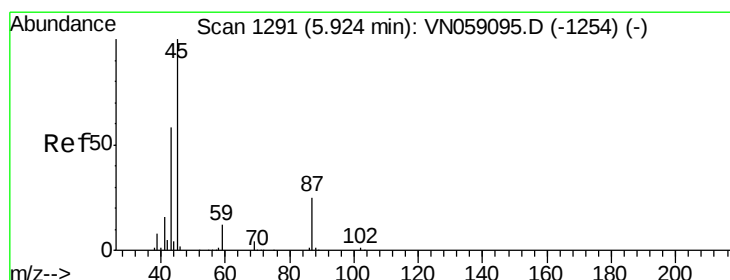
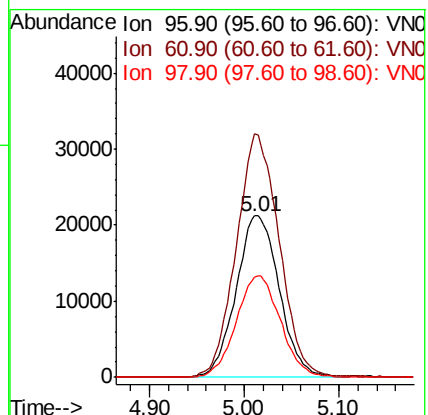
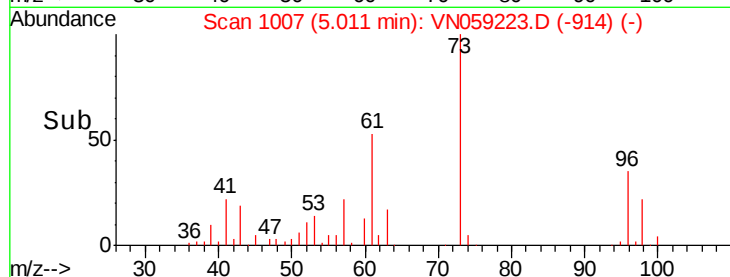
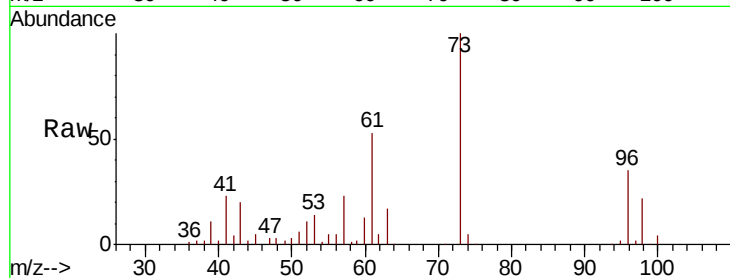
Tot Ion: 96 Resp: 67419

Ion Ratio Lower Upper

96 100

61 150.7 122.6 183.8

98 61.9 50.3 75.5



#22

Diisopropyl ether

Concen: 19.175 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Tgt Ion: 45 Resp: 254365

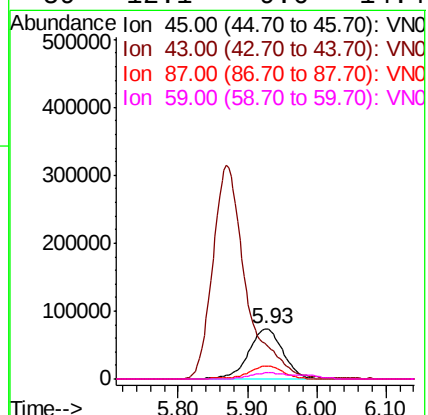
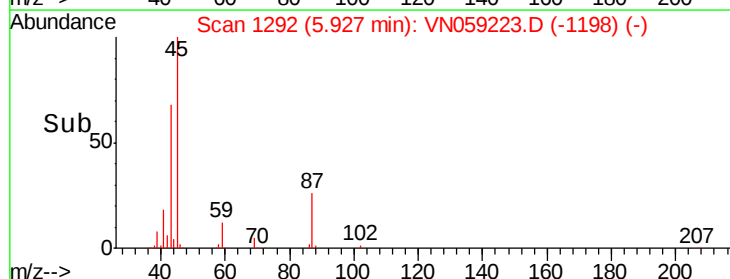
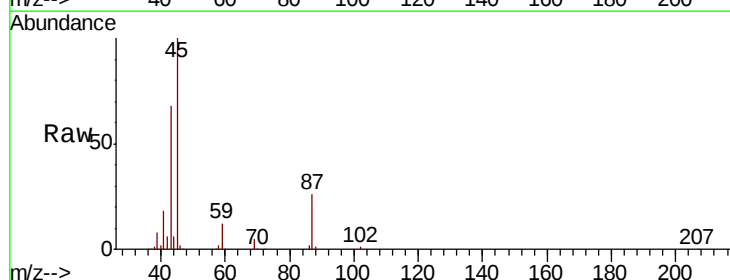
Ion Ratio Lower Upper

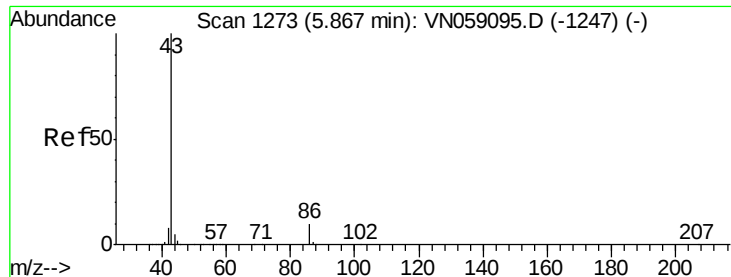
45 100

43 66.1 46.7 70.1

87 25.7 20.5 30.7

59 12.1 9.6 14.4





#23

Vinyl Acetate

Concen: 102.448 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

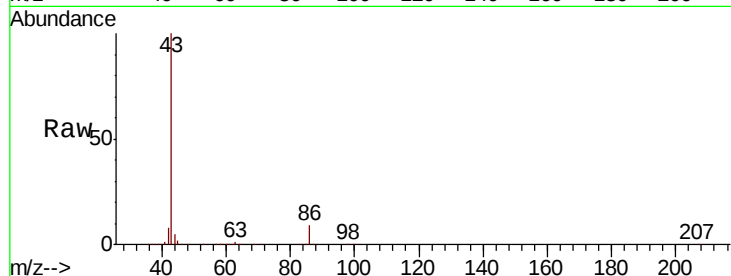
ClientSampled :

Tot Ion: 43 Resp: 1053256

Ion Ratio Lower Upper

43 100

86 9.2 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059223.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059223.D (-1180) (-)

5.87

300000

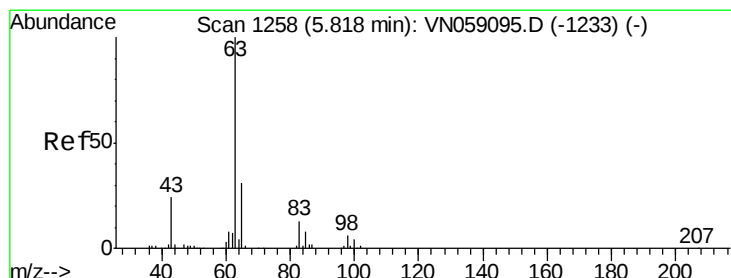
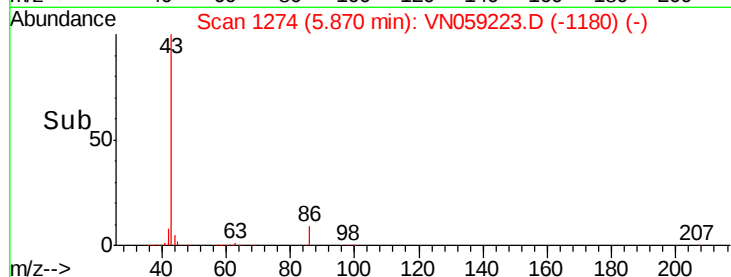
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.349 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

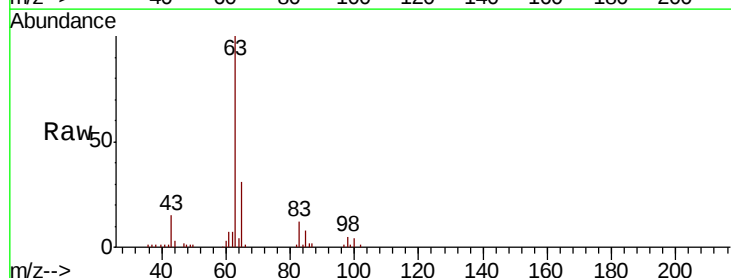
Tgt Ion: 63 Resp: 143355

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059223.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059223.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059223.D (-1165) (-)

5.82

60000

50000

40000

30000

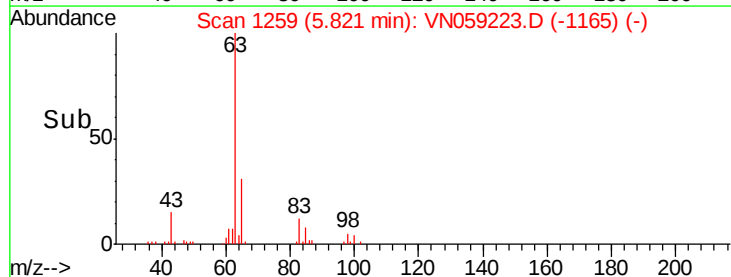
20000

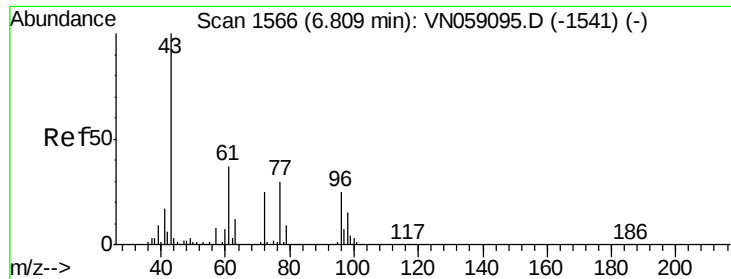
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 96.999 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

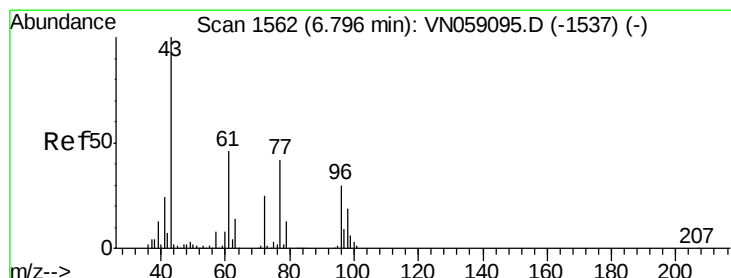
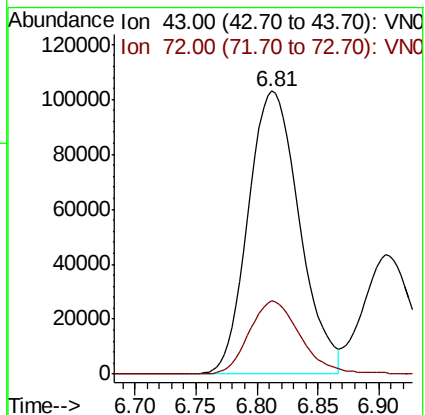
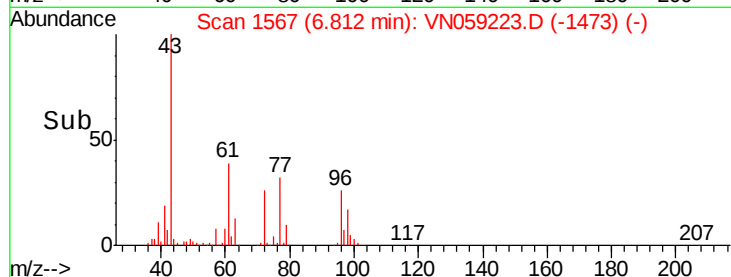
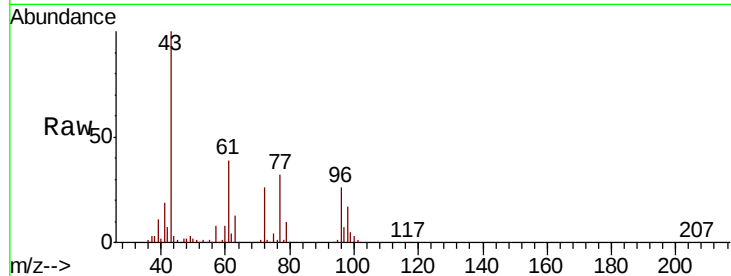
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 299508

Ion Ratio Lower Upper

43 100

72 25.9 20.3 30.5



#26

2,2-Dichloropropane

Concen: 18.643 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059223.D

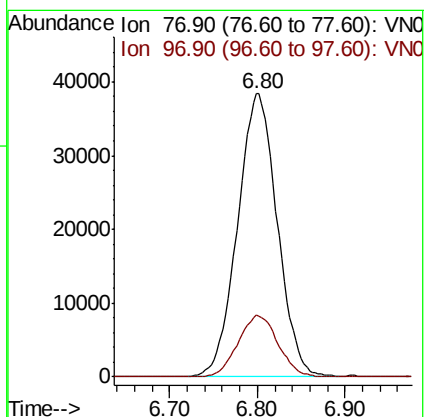
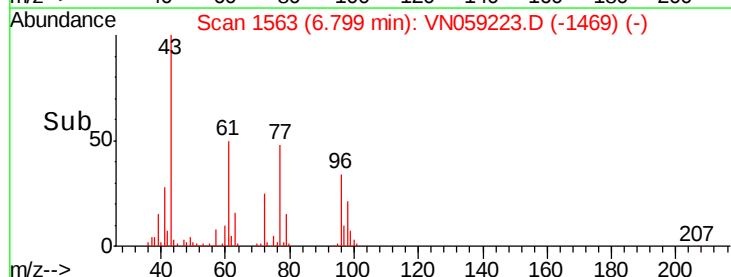
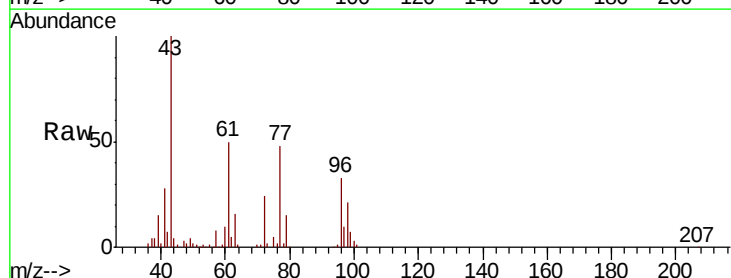
Acq: 14 Nov 2019 11:19

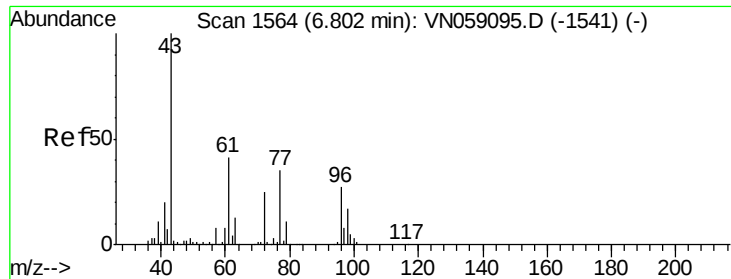
Tgt Ion: 77 Resp: 120779

Ion Ratio Lower Upper

77 100

97 21.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 18.961 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

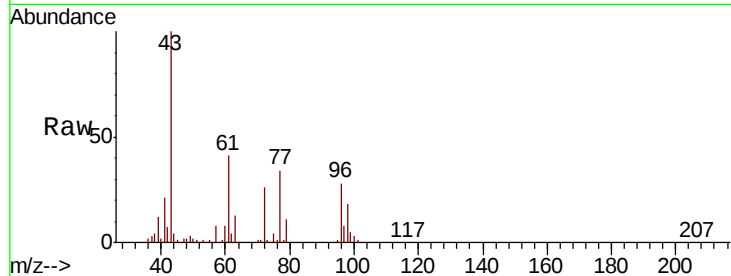
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 96 Resp: 80730

Ion	Ratio	Lower	Upper
96	100		
61	154.1	0.0	311.6
98	63.7	0.0	129.8

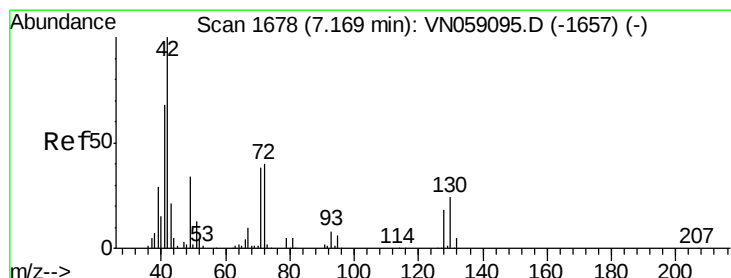
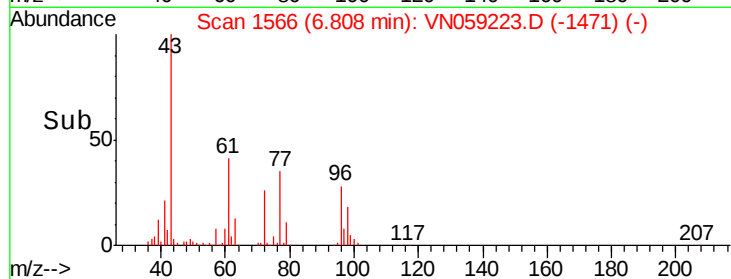
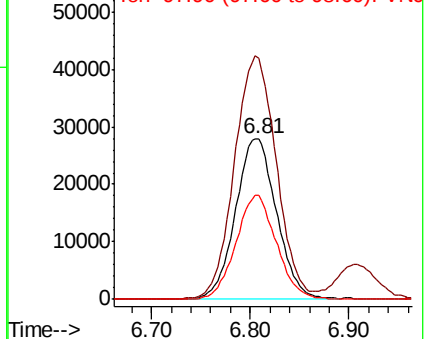


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.839 ug/l

RT: 7.18 min Scan# 1680

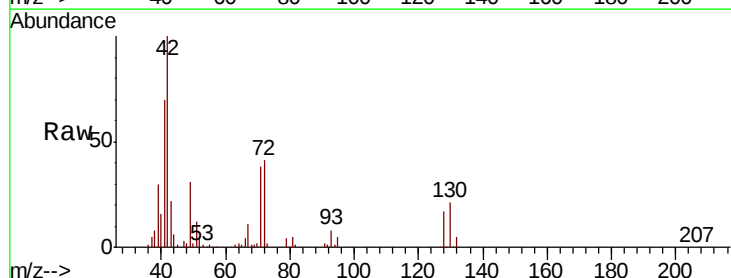
Delta R.T. 0.01 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Tgt Ion: 49 Resp: 41994

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	69.5	55.6	83.4

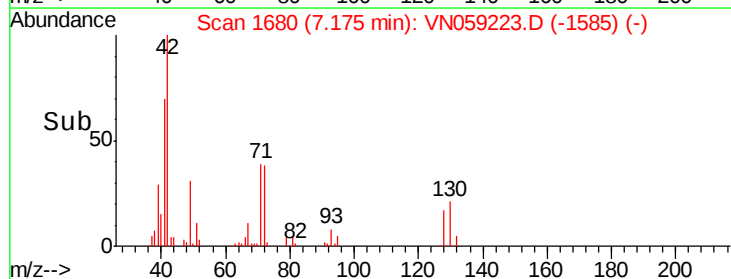
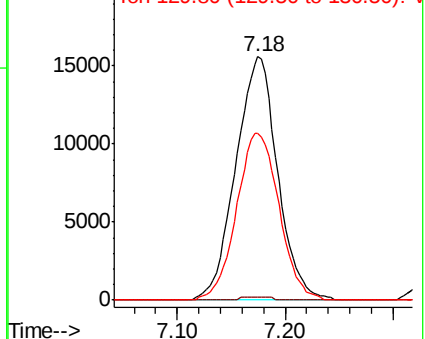


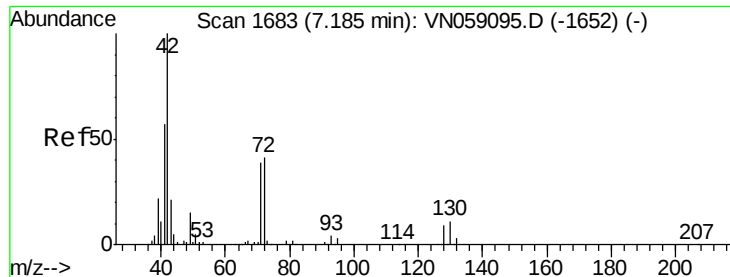
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

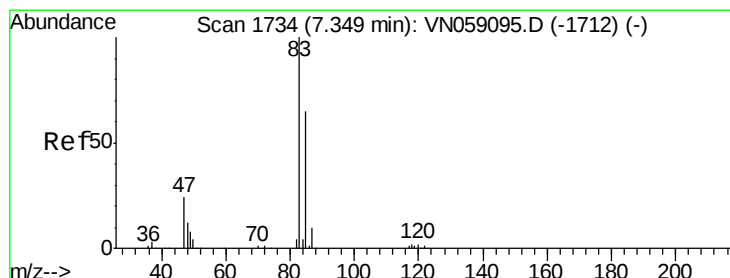
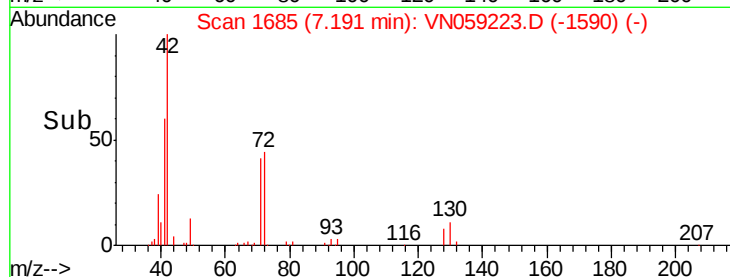
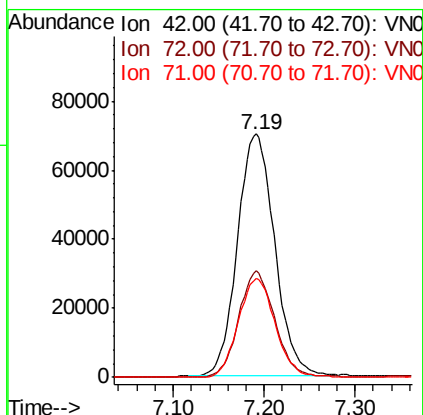
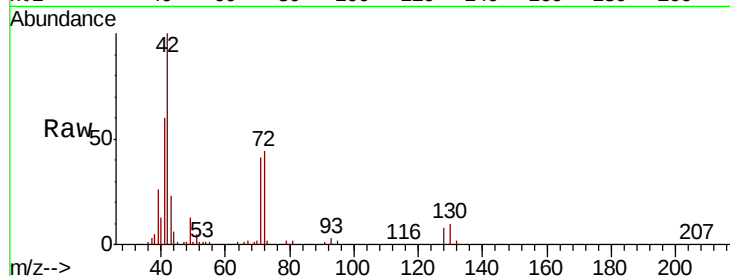




#29
Tetrahydrofuran
Concen: 102.110 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

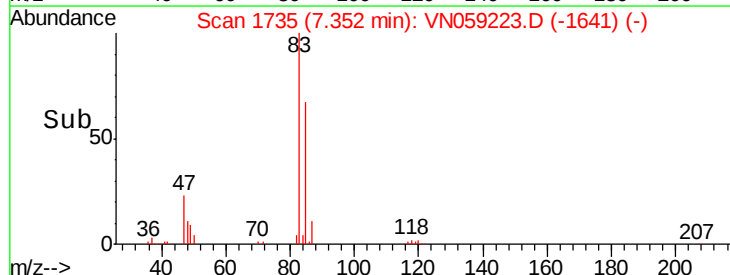
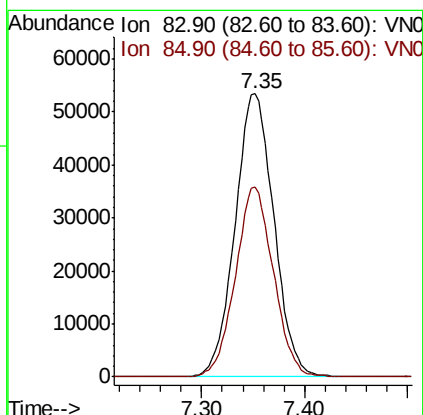
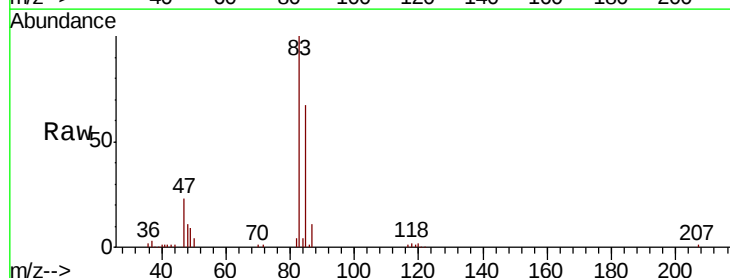
Instrument :
MSVOA_N
ClientSampled :

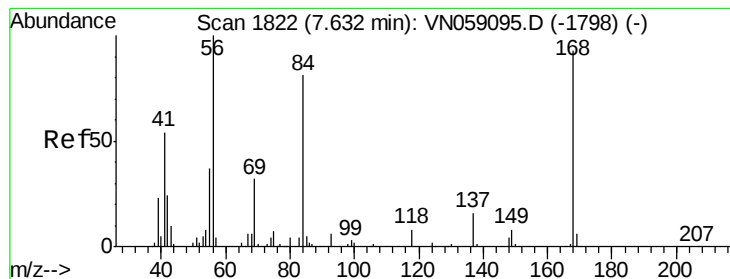
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.1	49.7
71	40.3	30.9	46.3



#30
Chloroform
Concen: 19.678 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.8	77.8





#31

Cyclohexane

Concen: 16.949 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

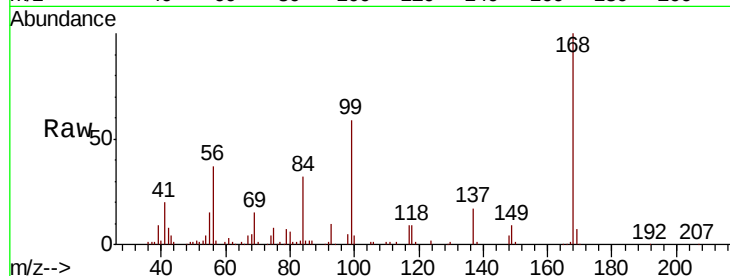
Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 118883

Ion	Ratio	Lower	Upper
56	100		
69	39.1	25.8	38.8#
84	84.9	65.0	97.4

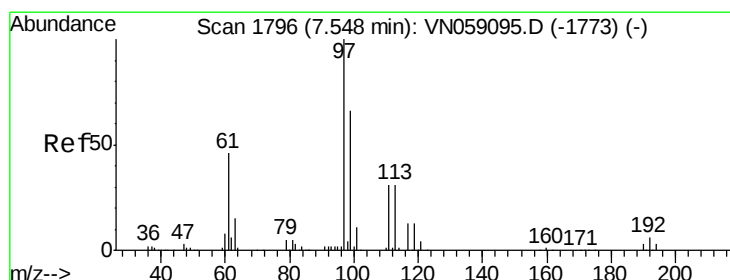
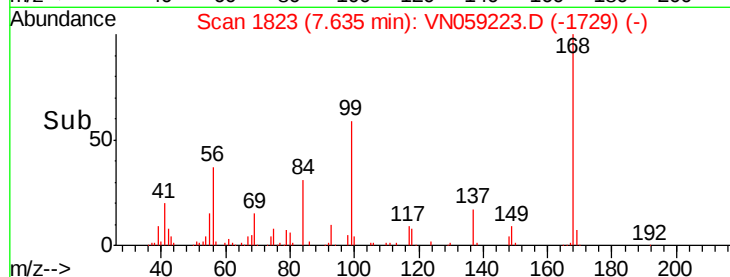
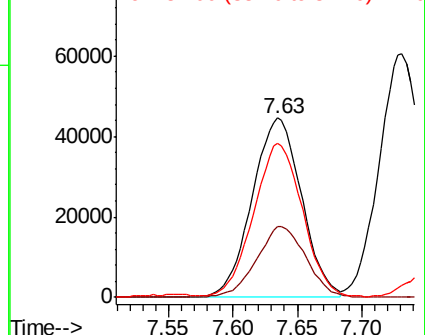


Abundance

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: 19.482 ug/l

RT: 7.55 min Scan# 1796

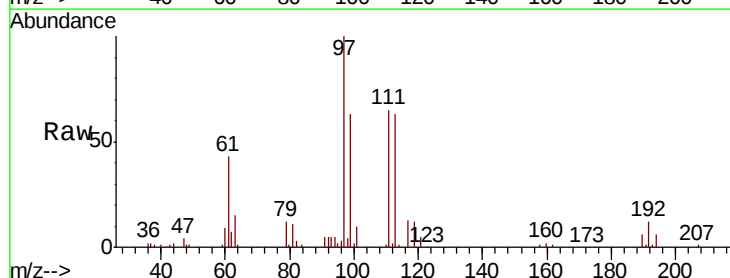
Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Tgt Ion: 97 Resp: 116416

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	45.4	35.8	53.8

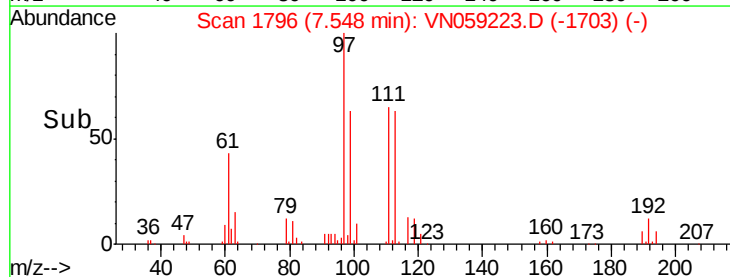
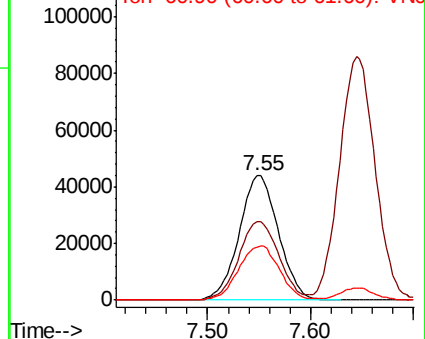


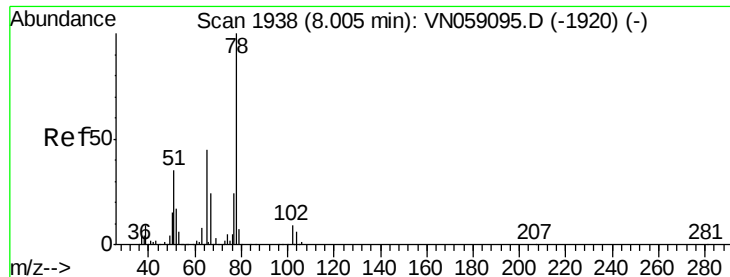
Abundance

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: 50.134 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

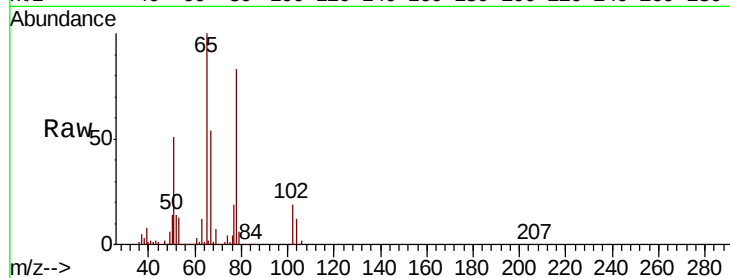
ClientSampled :

Tot Ion: 65 Resp: 225868

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059095.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059095.D (-1920) (-)

8.01

100000

80000

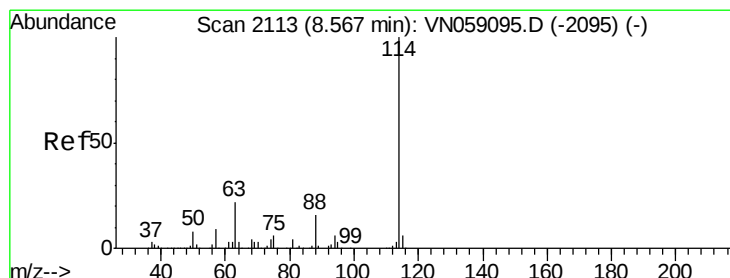
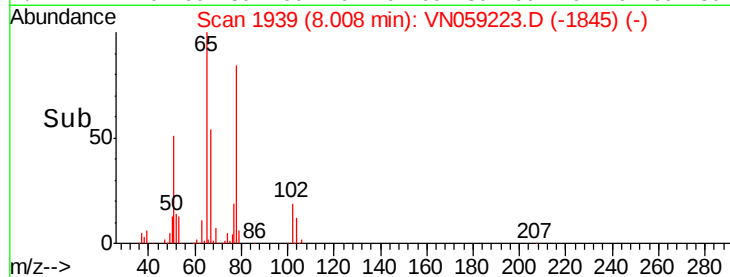
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

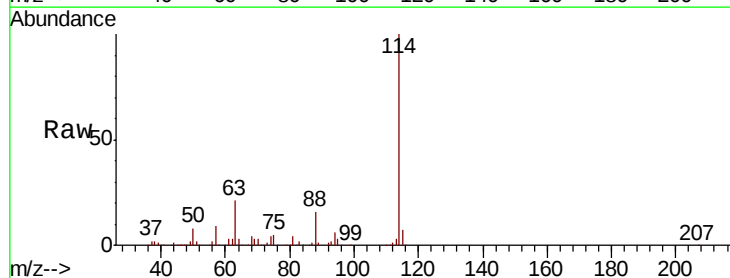
Tgt Ion: 114 Resp: 574747

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.4

88 15.6 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059095.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059095.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059095.D (-2095) (-)

8.57

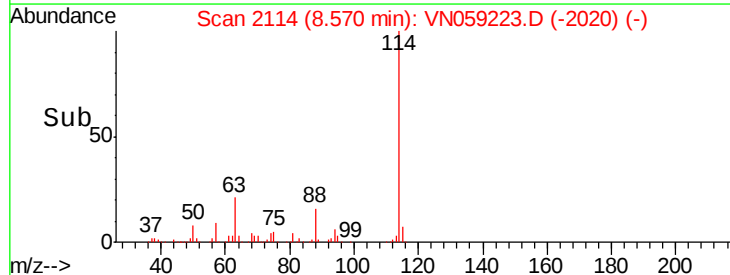
300000

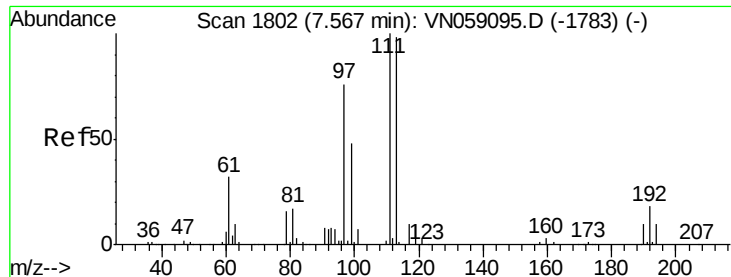
200000

100000

0

Time-->

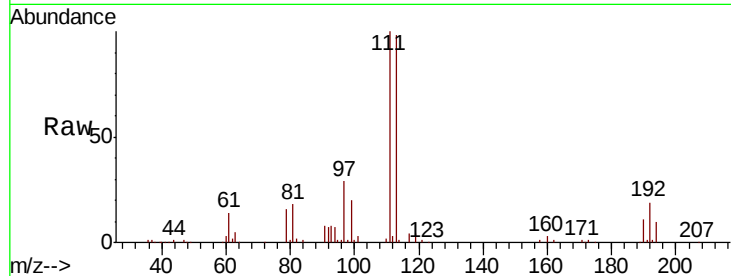




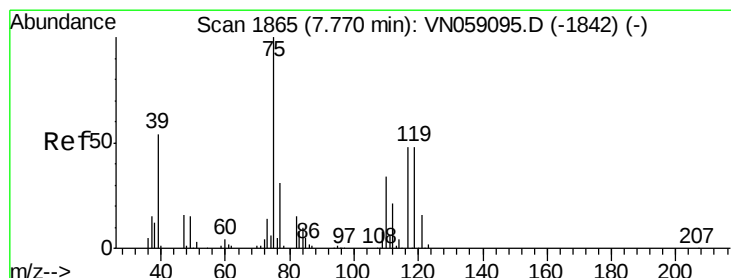
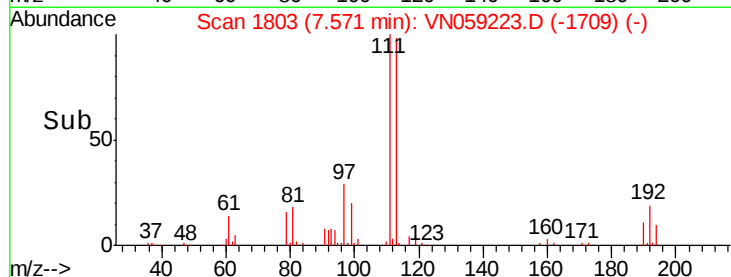
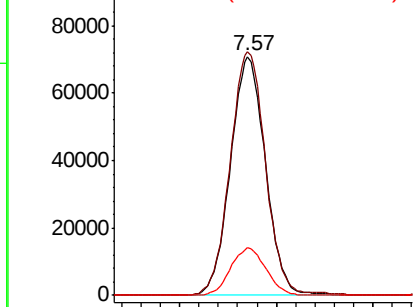
#35
 Dibromofluoromethane
 Concen: 51.835 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 177887
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.8 124.2
 192 20.0 16.1 24.1

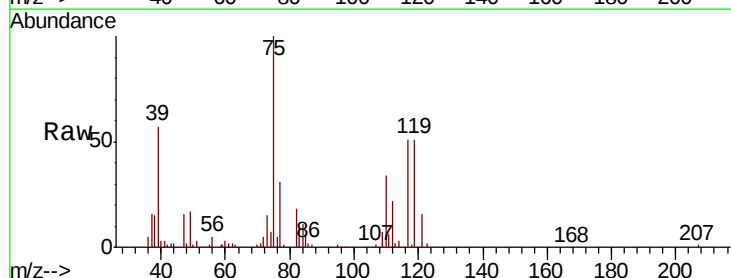


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

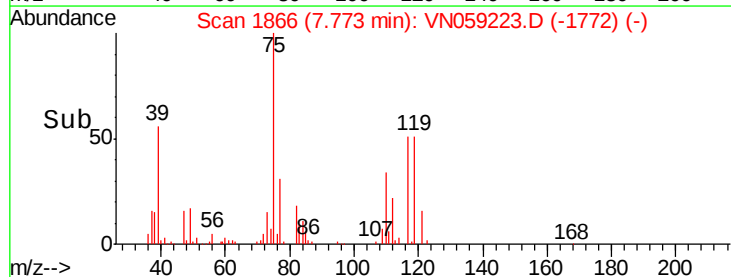
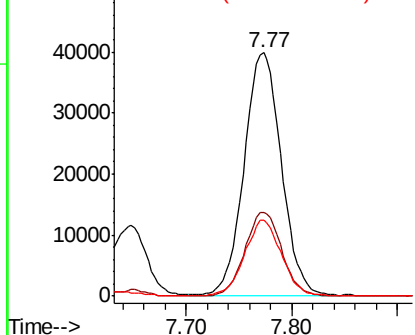


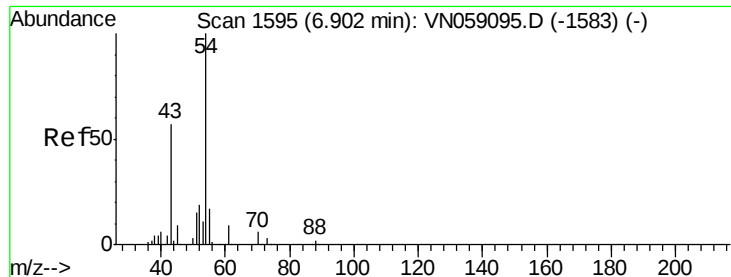
#36
 1,1-Dichloropropene
 Concen: 18.186 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Tgt Ion: 75 Resp: 97700
 Ion Ratio Lower Upper
 75 100
 110 34.0 17.1 51.2
 77 31.1 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

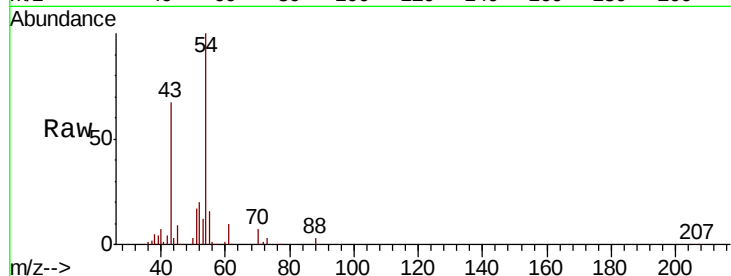




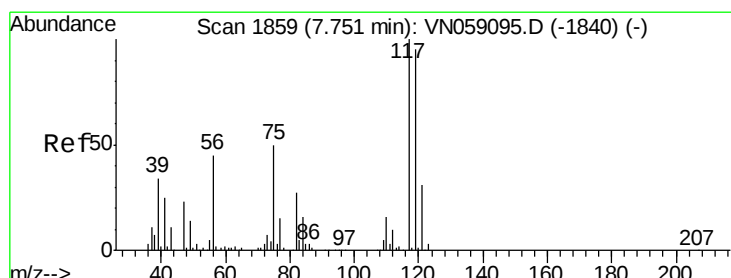
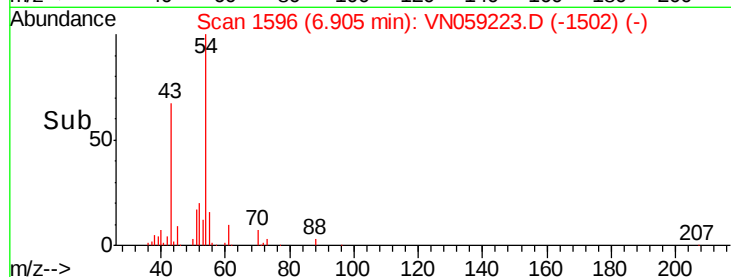
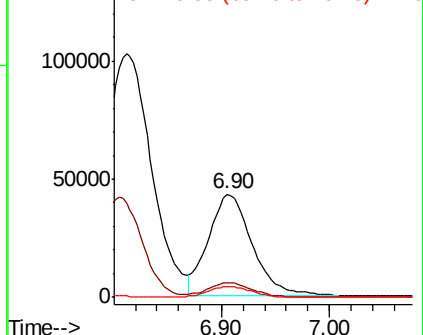
#37
Ethyl Acetate
Concen: 20.367 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 121721
Ion Ratio Lower Upper
43 100
61 13.5 11.2 16.8
70 10.7 7.8 11.8

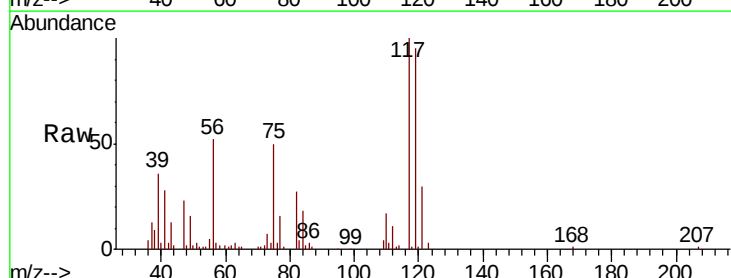


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

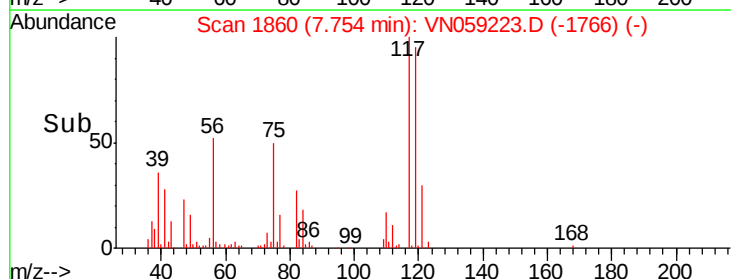
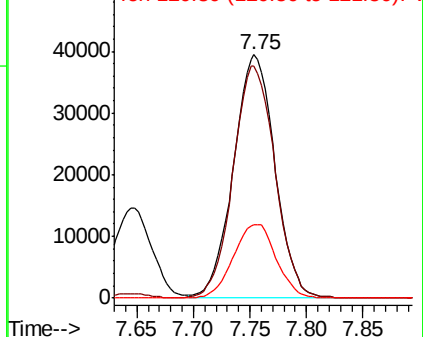


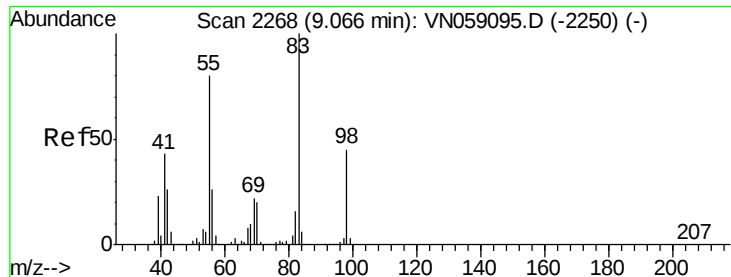
#38
Carbon Tetrachloride
Concen: 18.787 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion: 117 Resp: 100456
Ion Ratio Lower Upper
117 100
119 95.1 75.6 113.4
121 30.0 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

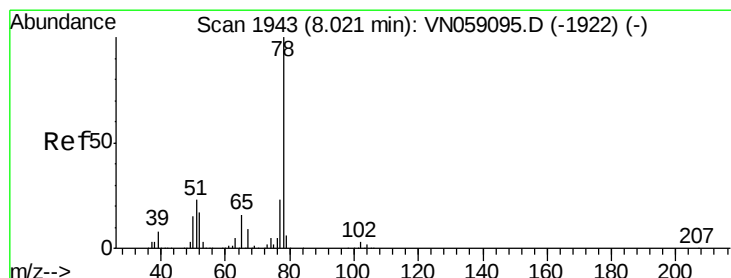
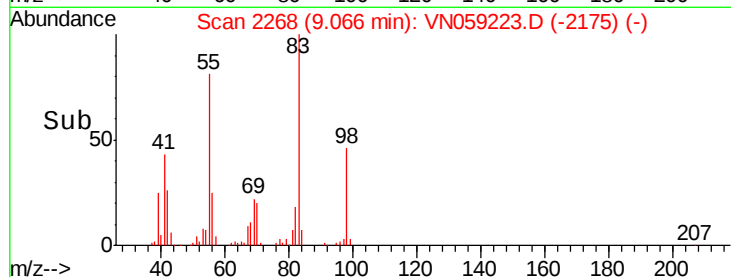
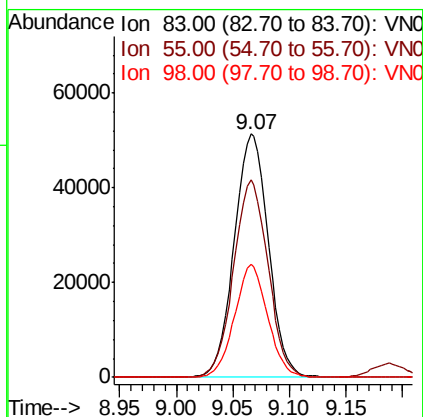
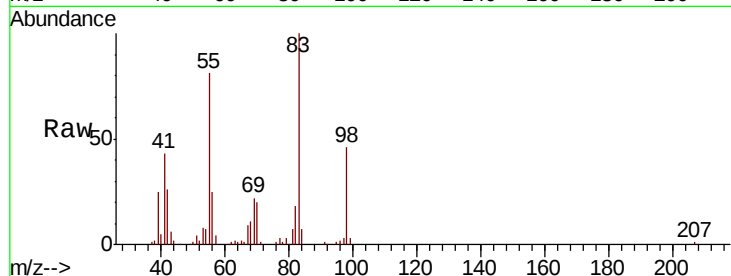




#39
Methvlcvclohexane
Concen: 17.353 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

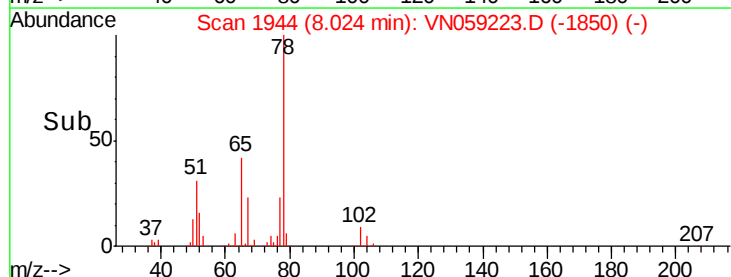
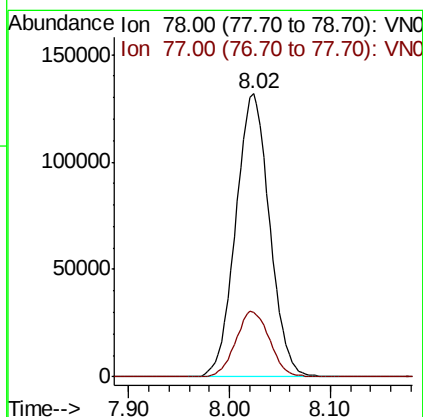
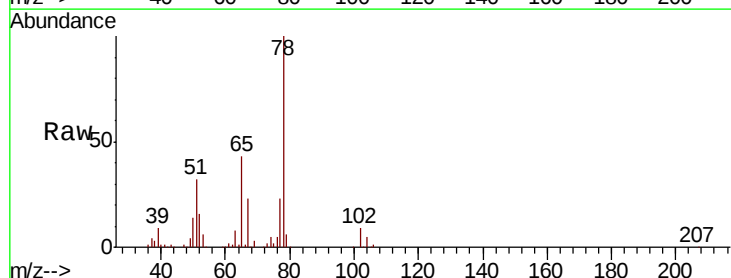
Instrument :
MSVOA_N
ClientSampleId :

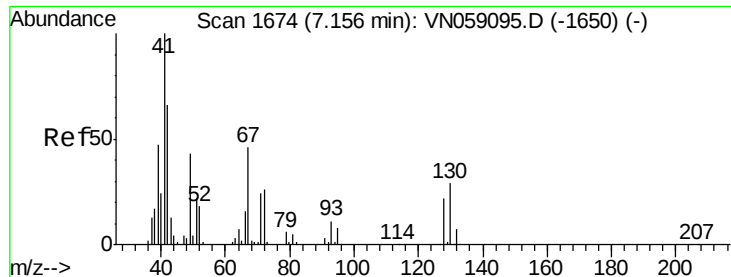
Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	63.9	95.9
98	46.3	35.6	53.4



#40
Benzene
Concen: 18.946 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2

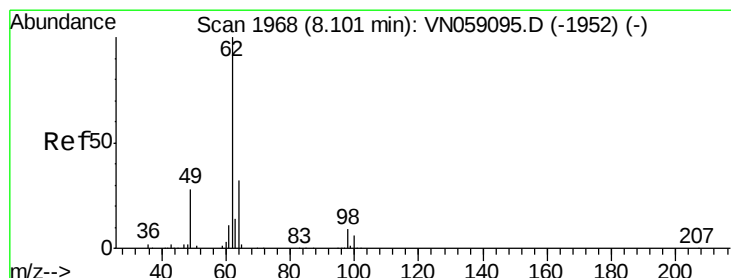
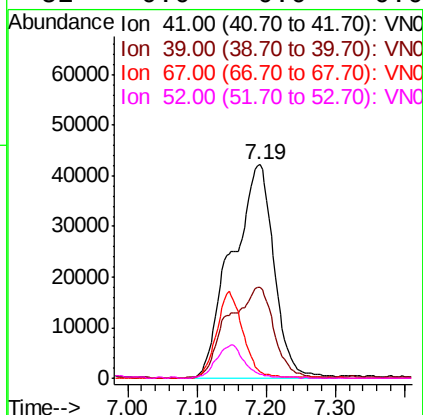
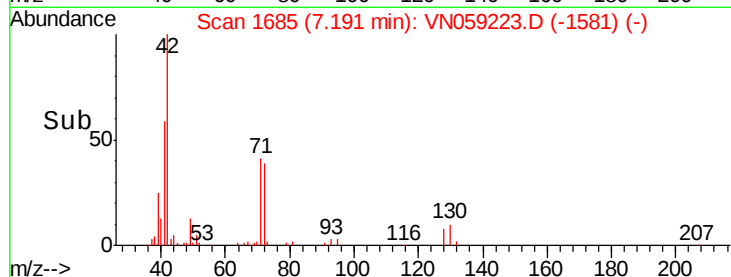
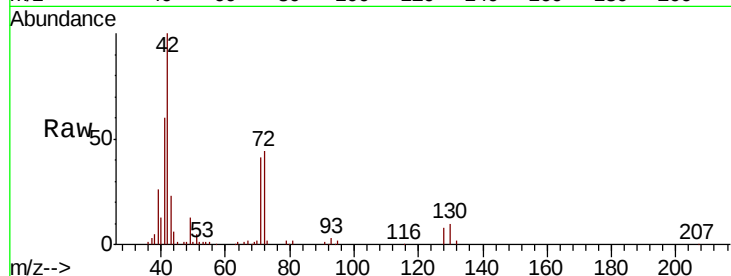




#41
Methacrylonitrile
Concen: 68.895 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

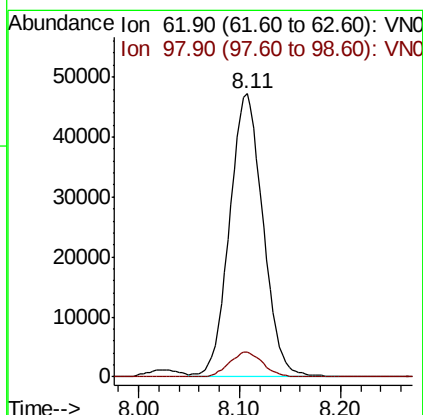
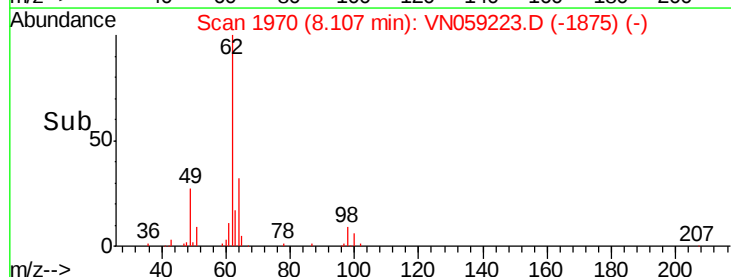
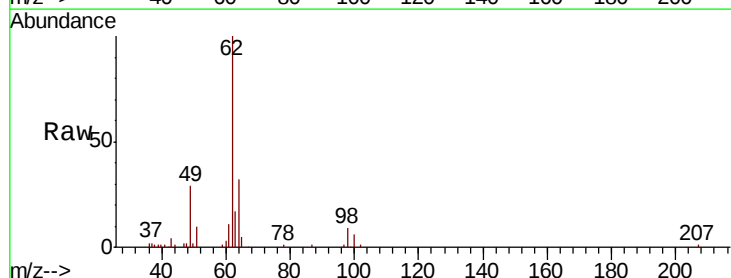
Instrument :
MSVOA_N
ClientSampleId :

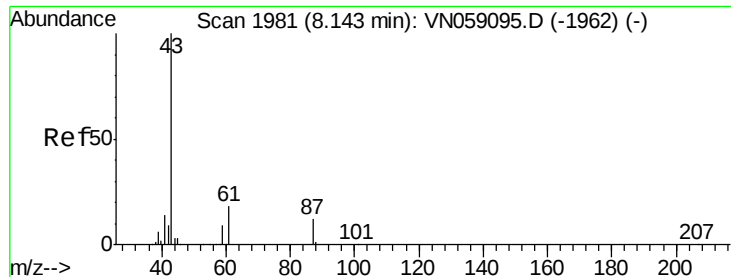
Tot Ion: 41 Resp: 179044
Ion Ratio Lower Upper
41 100
39 46.3 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 19.645 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.01 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion: 62 Resp: 108998
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.8





#43

Isopropyl Acetate

Concen: 19.235 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

ClientSampled :

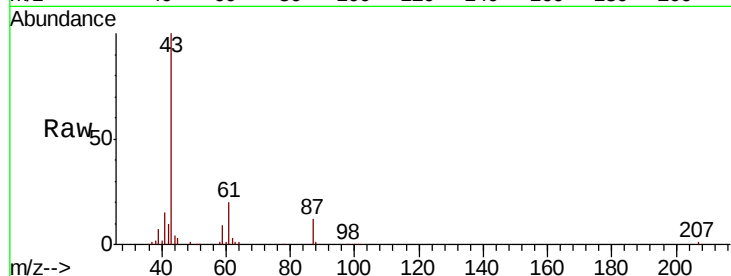
Tot Ion: 43 Resp: 183266

Ion Ratio Lower Upper

43 100

61 26.8 21.0 31.6

87 12.3 9.8 14.6

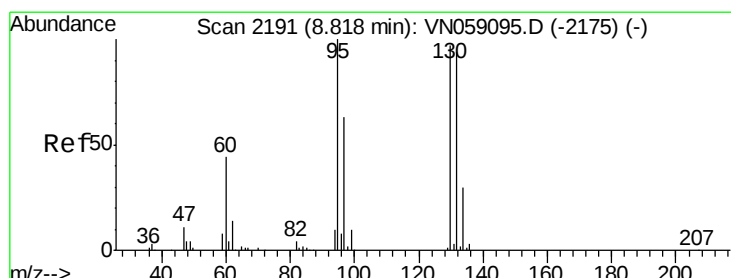
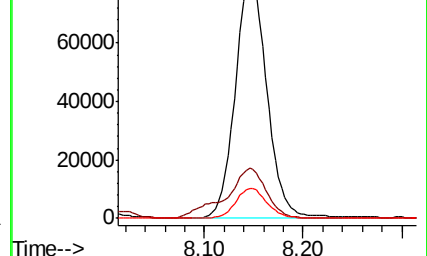
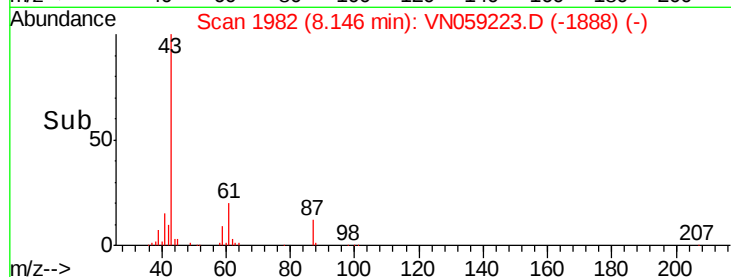


Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059095.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059095.D (-1962) (-)

8.15



#44

Trichloroethene

Concen: 18.622 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059223.D

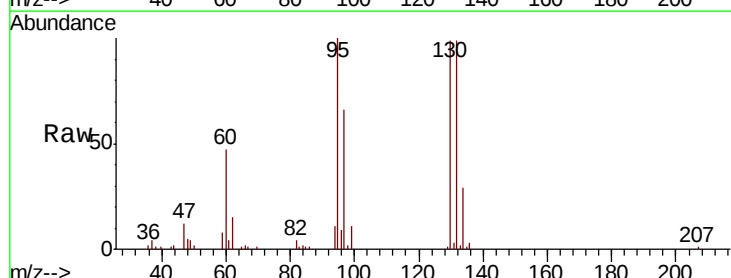
Acq: 14 Nov 2019 11:19

Tgt Ion:130 Resp: 74053

Ion Ratio Lower Upper

130 100

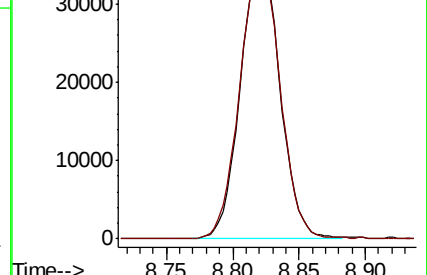
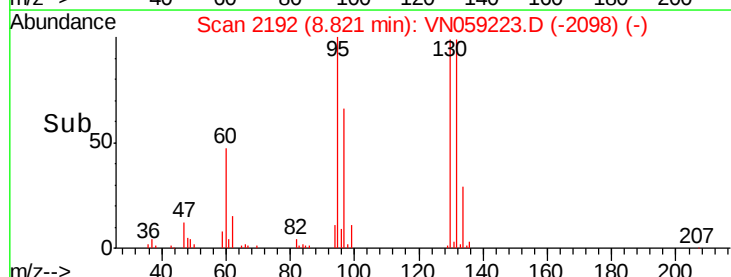
95 101.1 0.0 206.4

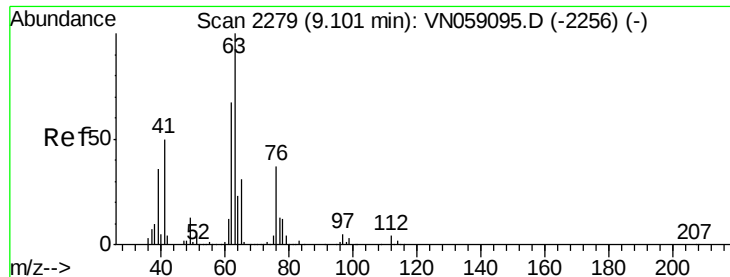


Abundance Ion 129.80 (129.50 to 130.50): VN059095.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059095.D (-2175) (-)

8.82





#45

1,2-Dichloropropane

Concen: 19.065 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

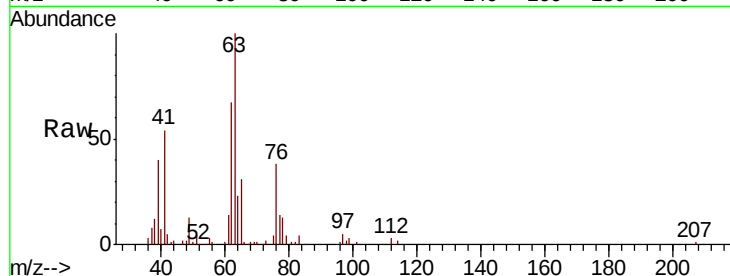
ClientSampled :

Tot Ion: 63 Resp: 83776

Ion Ratio Lower Upper

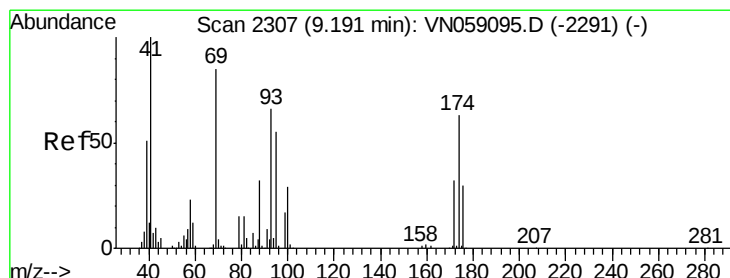
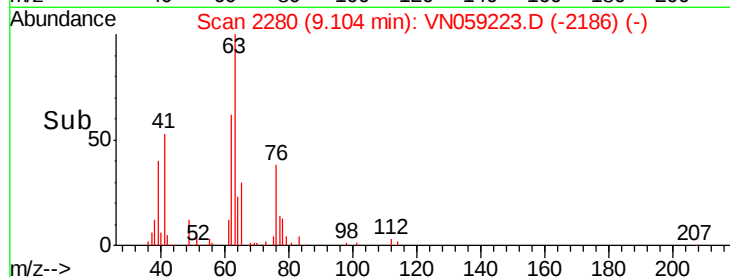
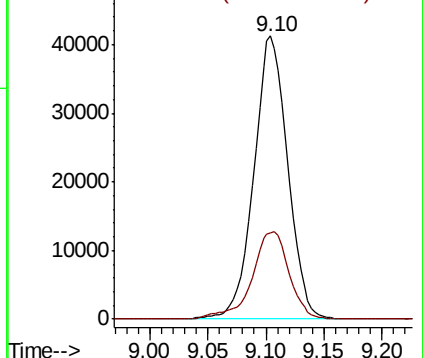
63 100

65 30.5 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.835 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

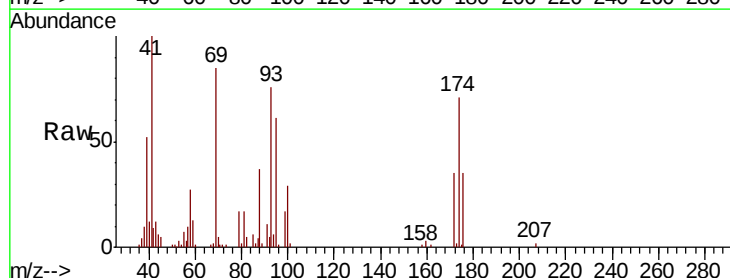
Tgt Ion: 93 Resp: 54312

Ion Ratio Lower Upper

93 100

95 80.7 66.6 100.0

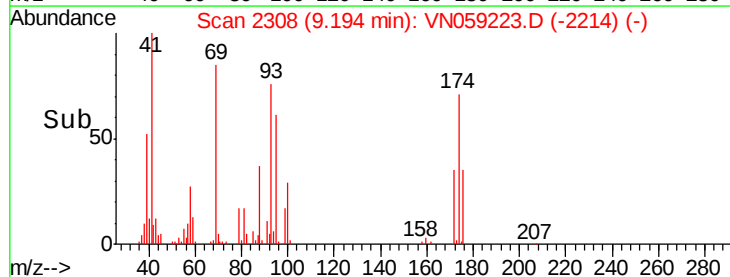
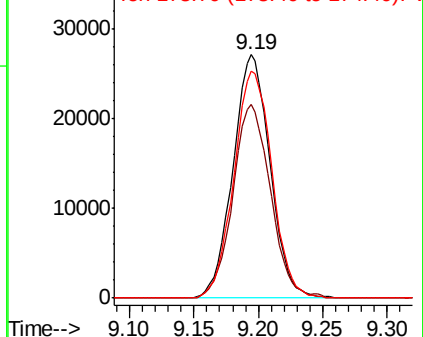
174 95.6 78.2 117.2

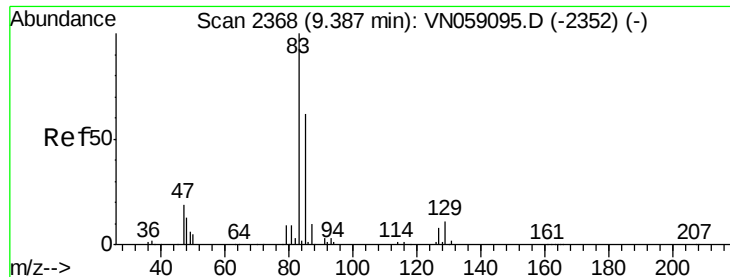


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.544 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :

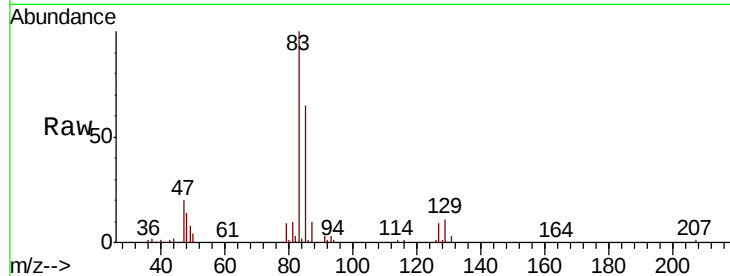
Tot Ion: 83 Resp: 106860

Ion Ratio Lower Upper

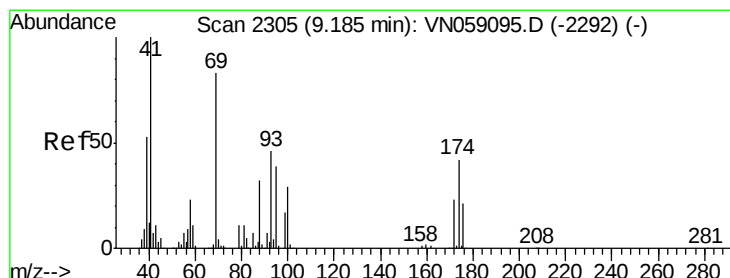
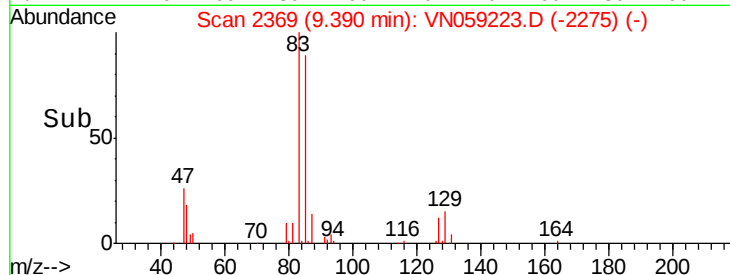
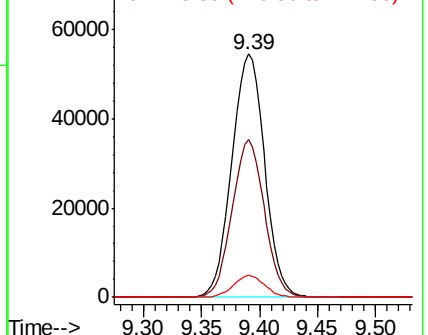
83 100

85 64.7 49.7 74.5

127 8.9 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: 19.174 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

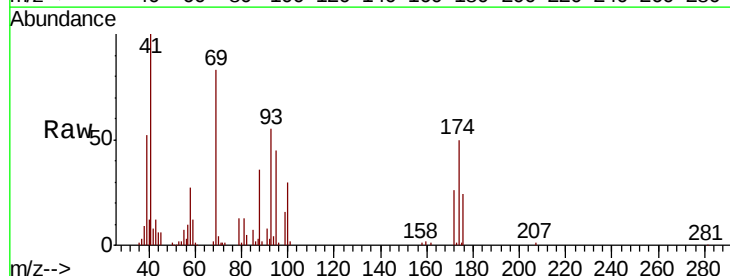
Tgt Ion: 41 Resp: 81715

Ion Ratio Lower Upper

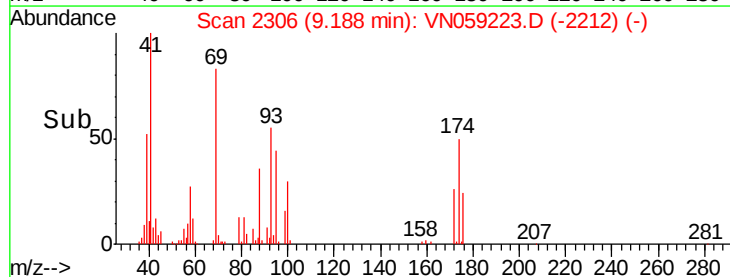
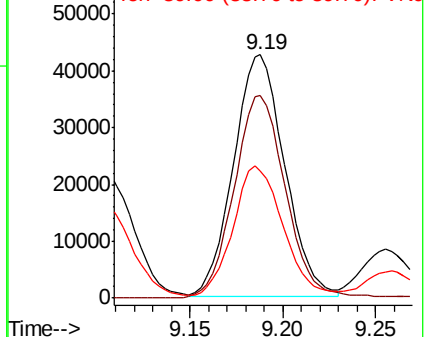
41 100

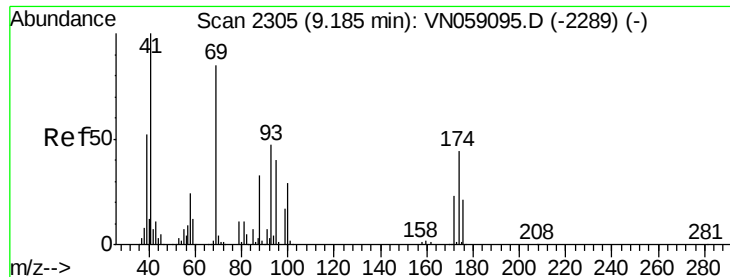
69 84.5 67.3 100.9

39 54.4 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

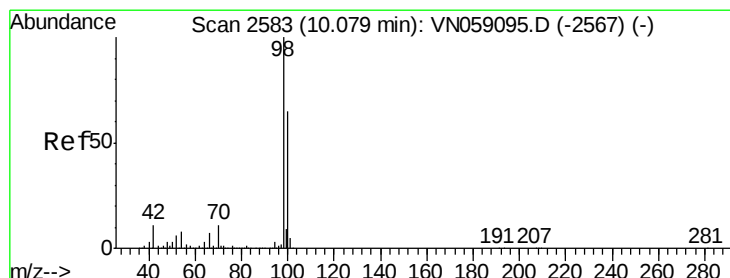
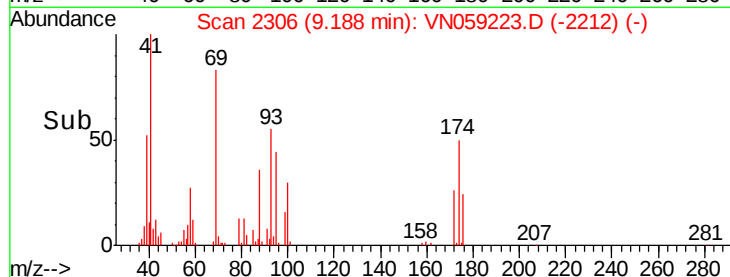
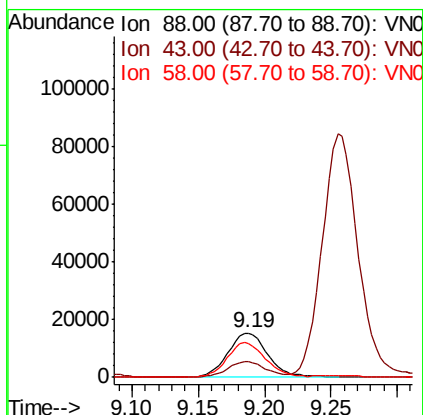
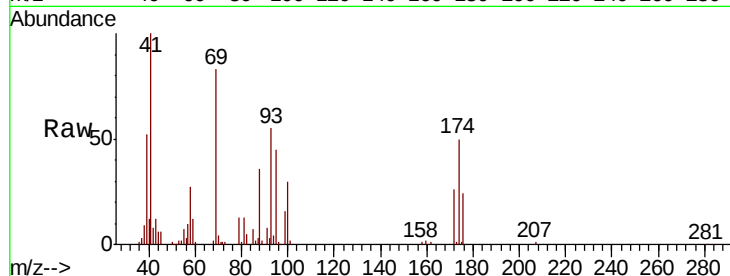




#49
 1,4-Dioxane
 Concen: 424.724 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

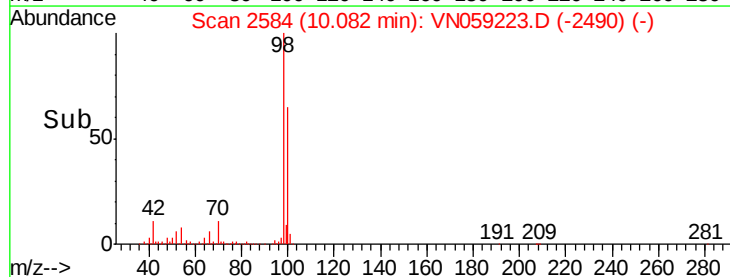
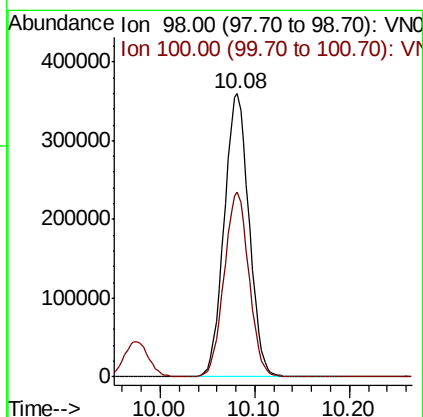
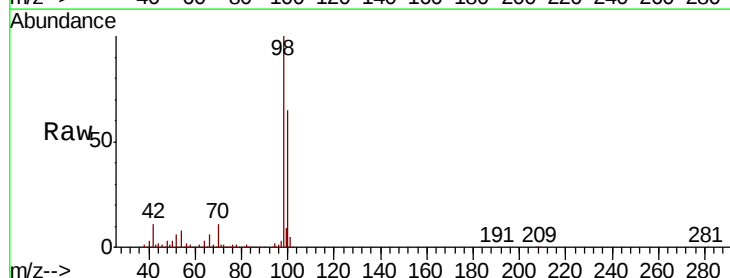
Instrument :
 MSVOA_N
 ClientSampled :

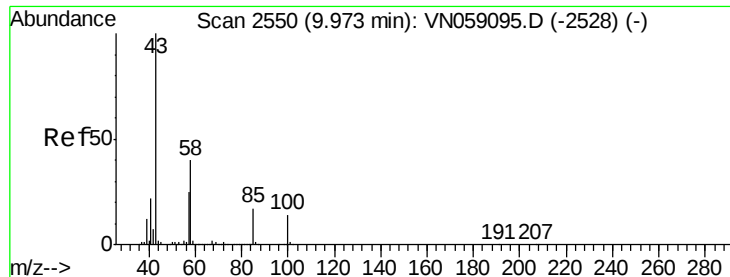
Tot Ion: 88 Resp: 32168
 Ion Ratio Lower Upper
 88 100
 43 34.7 26.3 39.5
 58 75.6 60.6 90.8



#50
 Toluene-d8
 Concen: 48.588 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Tgt Ion: 98 Resp: 656792
 Ion Ratio Lower Upper
 98 100
 100 64.8 52.2 78.2

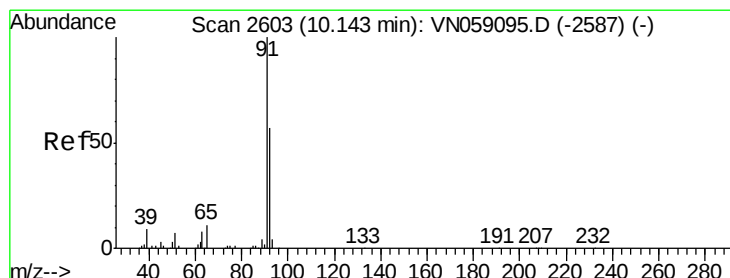
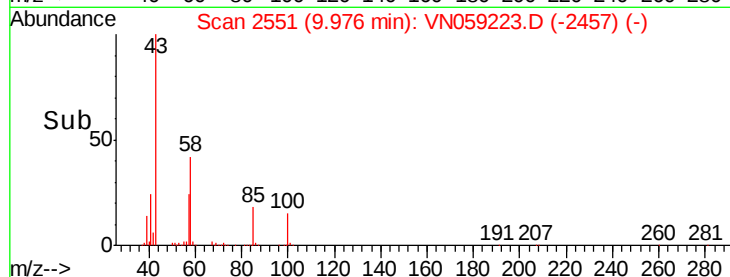
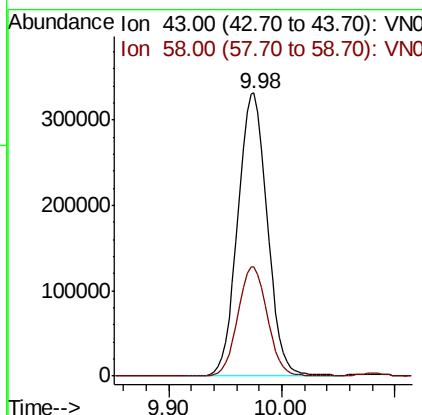
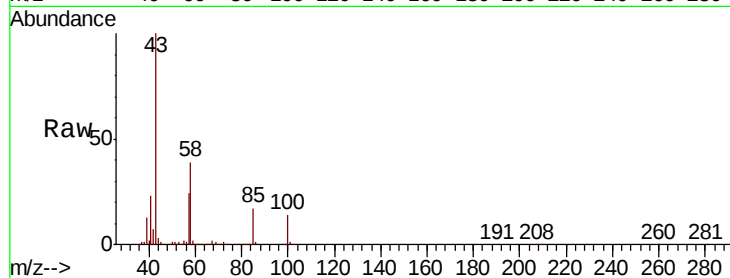




#51
 4-Methyl-2-Pentanone
 Concen: 111.981 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

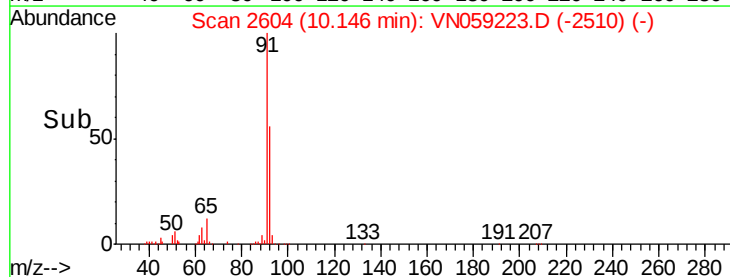
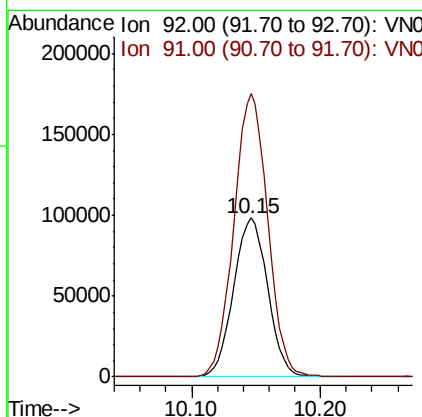
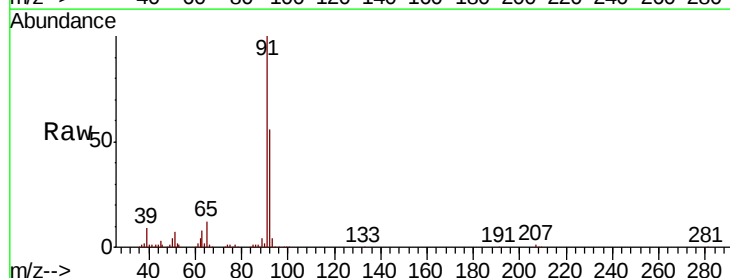
Instrument :
 MSVOA_N
 ClientSampleId :

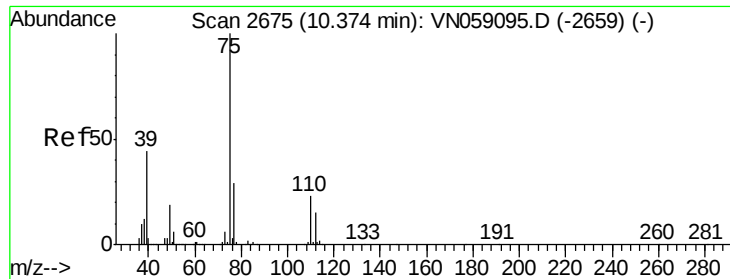
Tot Ion: 43 Resp: 603703
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.5 47.3



#52
 Toluene
 Concen: 18.694 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Tgt Ion: 92 Resp: 181261
 Ion Ratio Lower Upper
 92 100
 91 176.2 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 18.673 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

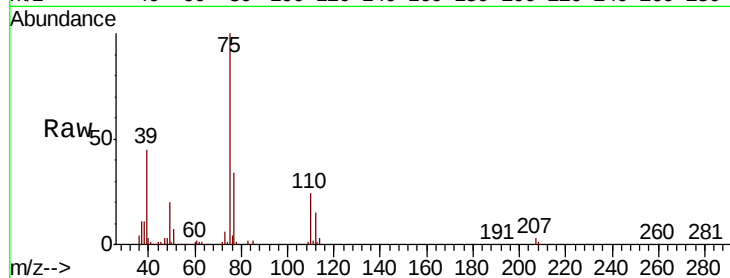
ClientSampleId :

Tot Ion: 75 Resp: 117955

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

60000

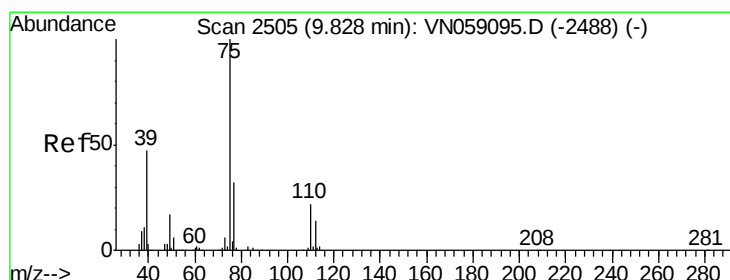
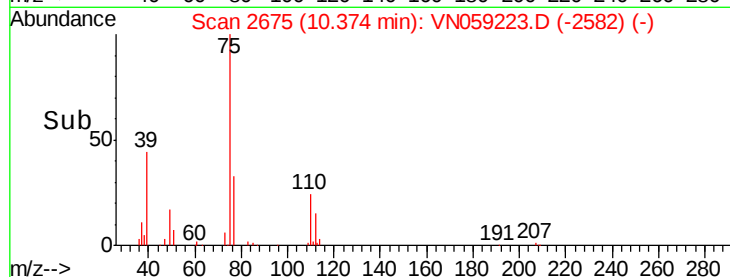
40000

20000

0

10.30 10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.568 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

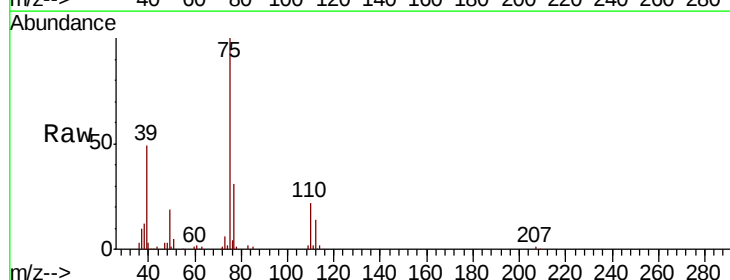
Tgt Ion: 75 Resp: 126171

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3

39 48.4 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

9.83

80000

60000

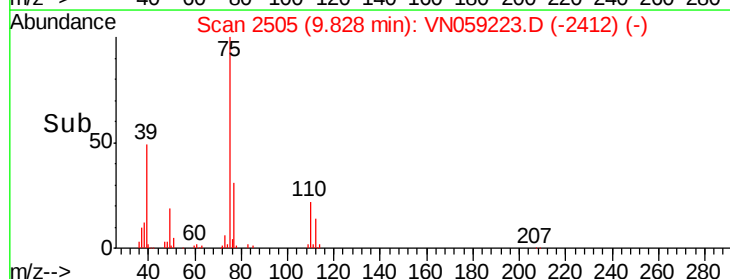
40000

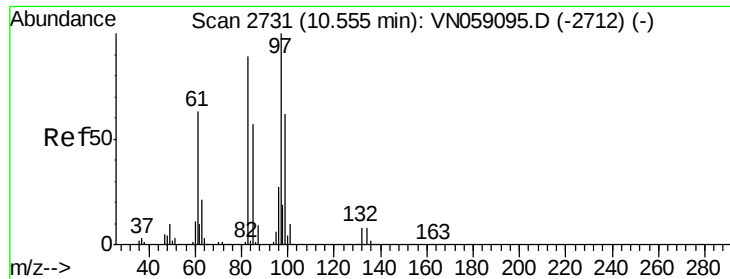
20000

0

9.75 9.80 9.85 9.90

Time-->

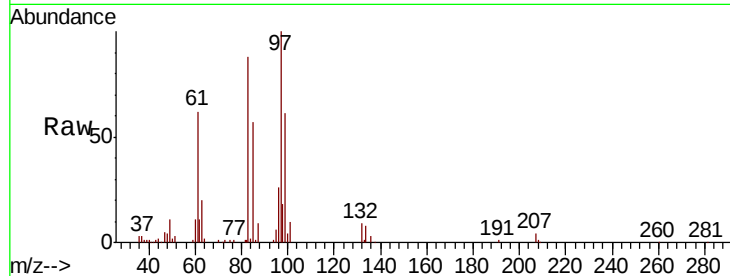




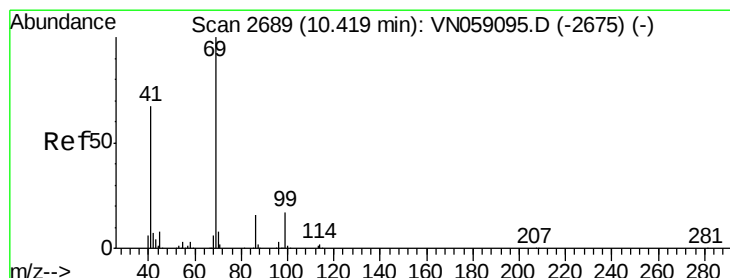
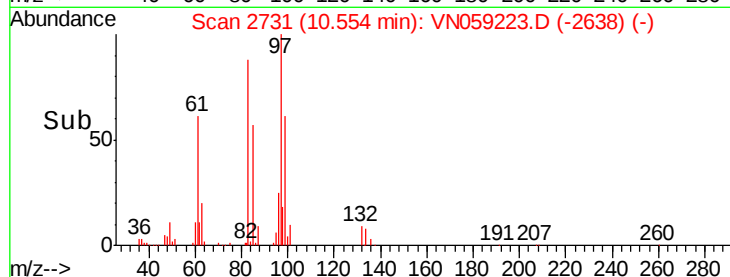
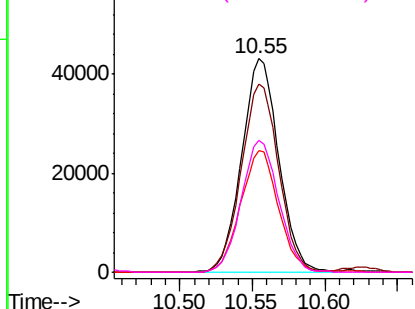
#55
 1,1,2-Trichloroethane
 Concen: 19.596 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 76899
 Ion Ratio Lower Upper
 97 100
 83 88.0 71.0 106.4
 85 57.1 45.8 68.8
 99 61.5 49.4 74.0

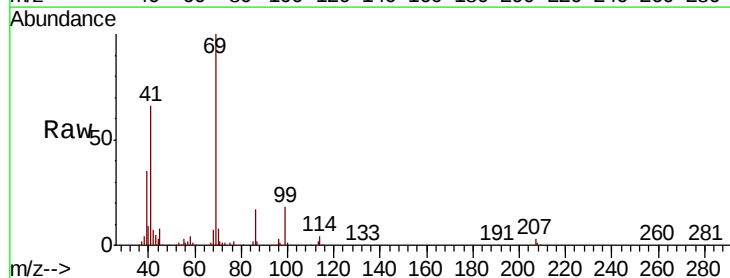


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

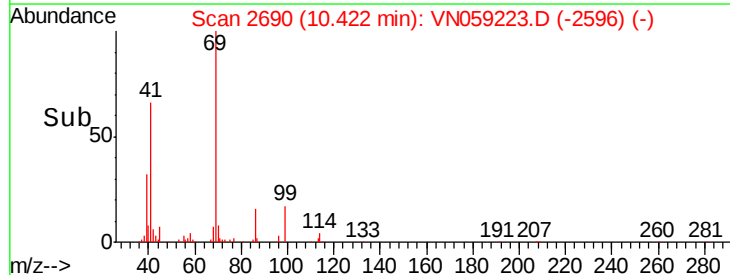
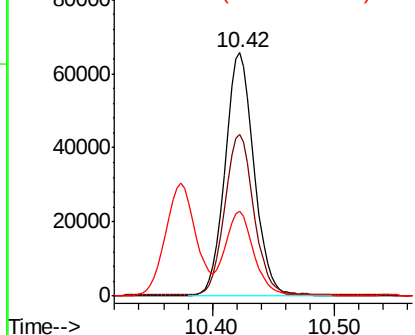


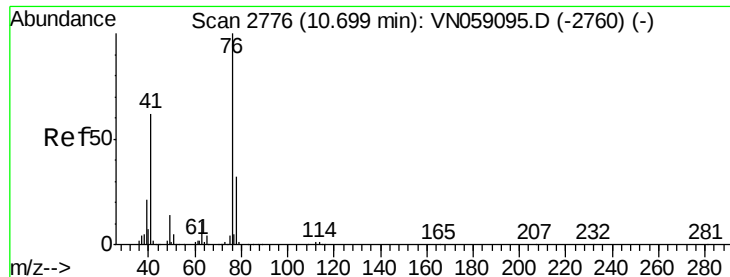
#56
 Ethyl methacrylate
 Concen: 18.027 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Tgt Ion: 69 Resp: 109846
 Ion Ratio Lower Upper
 69 100
 41 65.9 53.6 80.4
 39 33.4 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: 19.568 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

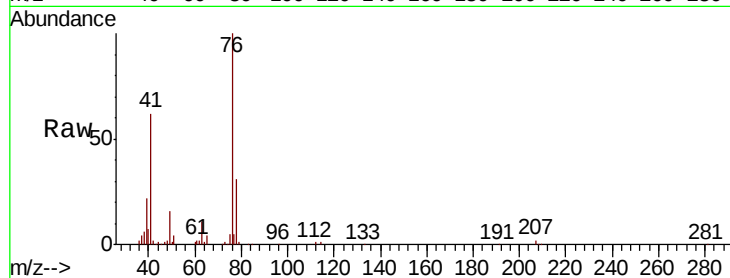
ClientSampled :

Tot Ion: 76 Resp: 132160

Ion Ratio Lower Upper

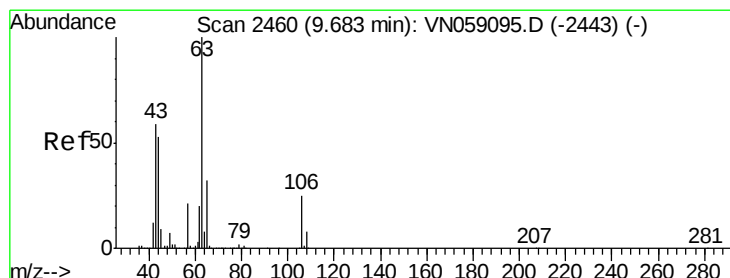
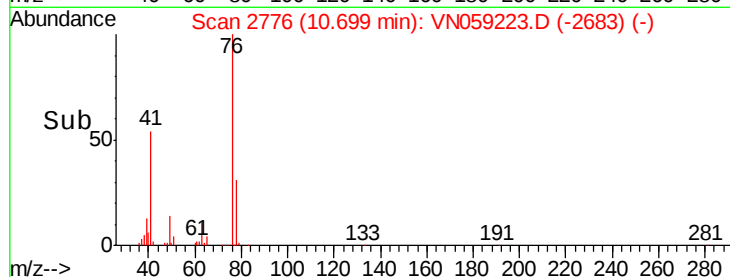
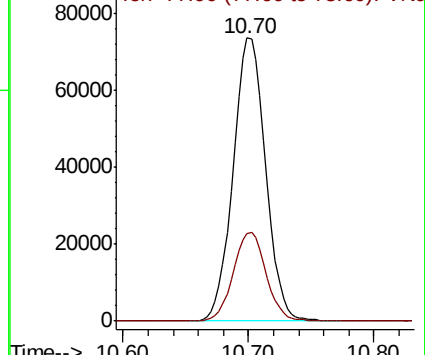
76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 48.628 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059223.D

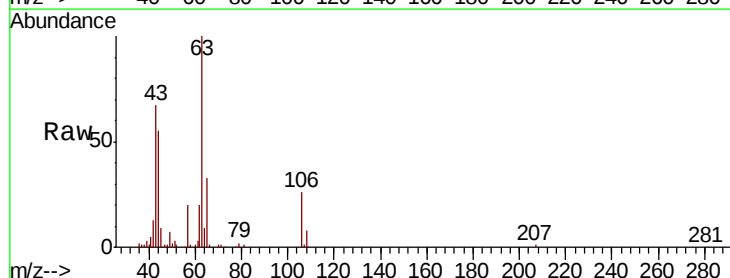
Acq: 14 Nov 2019 11:19

Tgt Ion: 63 Resp: 106199

Ion Ratio Lower Upper

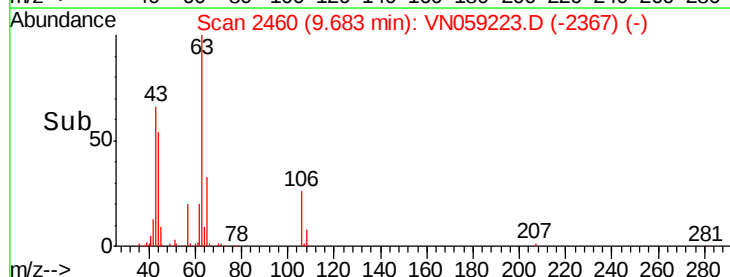
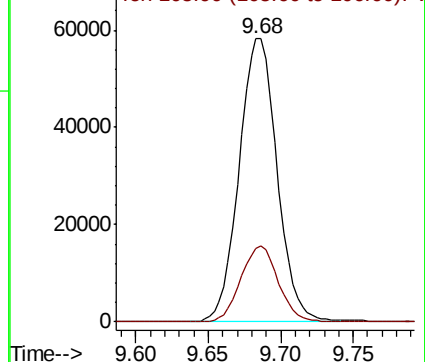
63 100

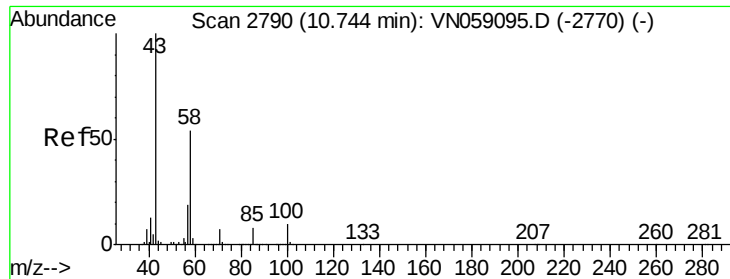
106 26.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

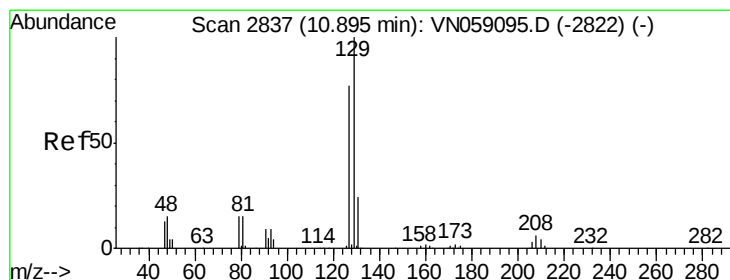
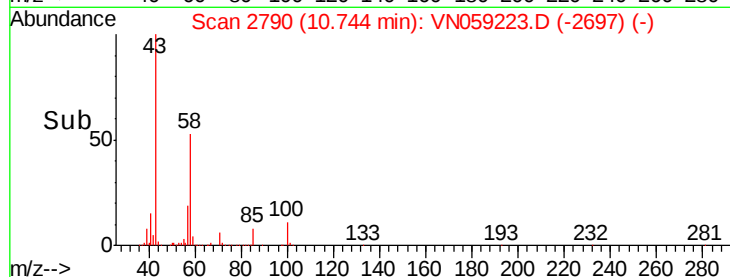
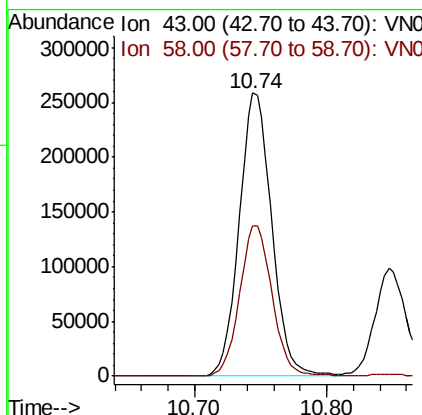
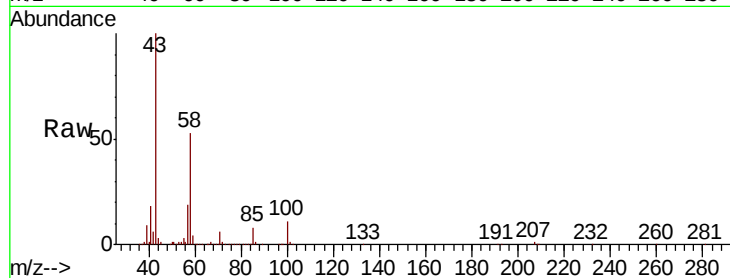




#59
2-Hexanone
Concen: 106.306 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

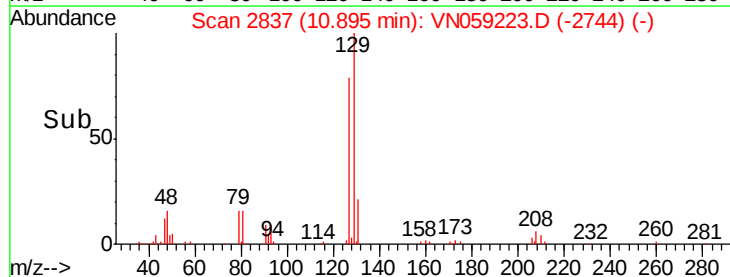
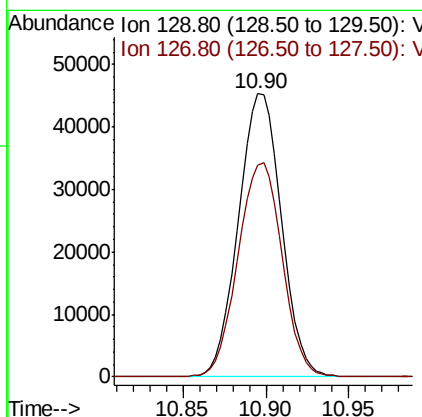
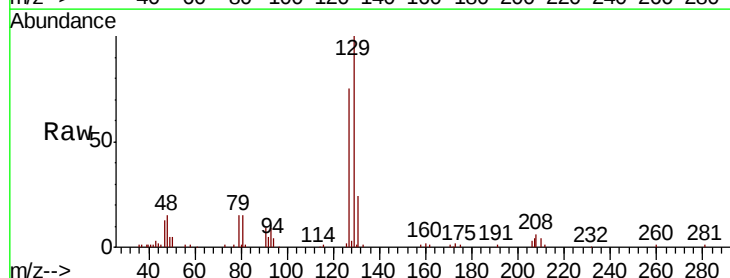
Instrument :
MSVOA_N
ClientSampleId :

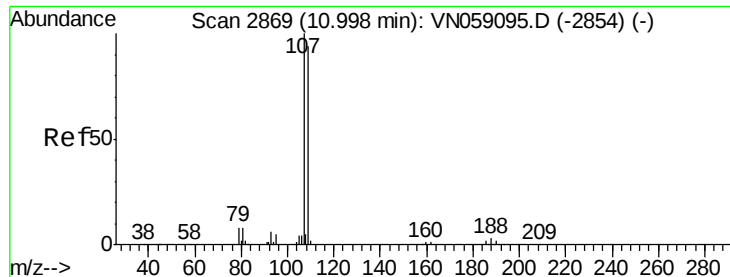
Tot Ion: 43 Resp: 439887
Ion Ratio Lower Upper
43 100
58 53.1 27.3 81.8



#60
Dibromochloromethane
Concen: 19.762 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion: 129 Resp: 81992
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

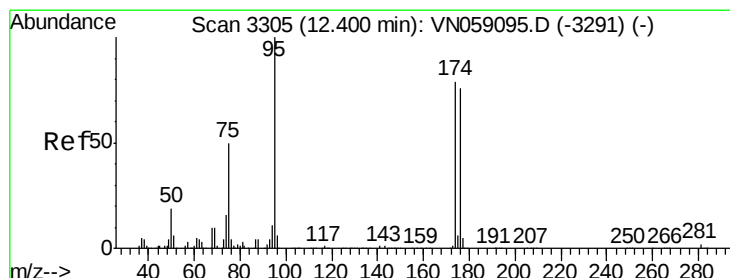
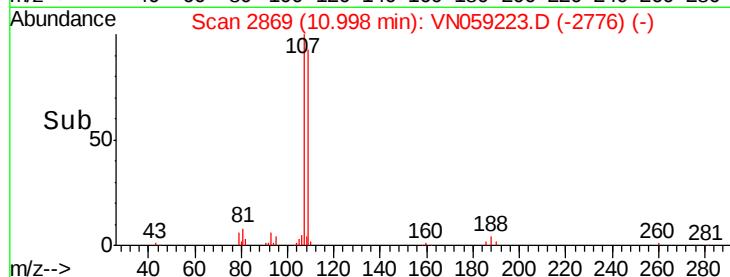
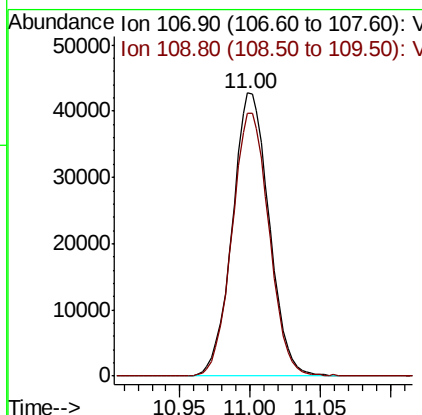
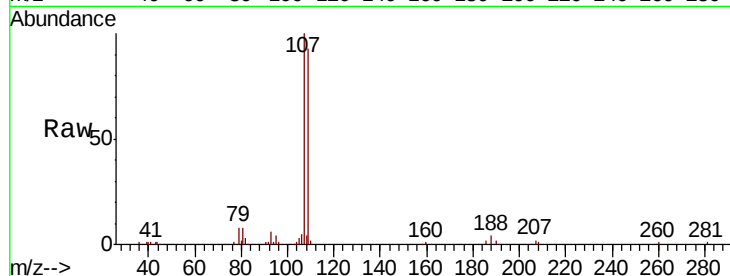




#61
 1,2-Dibromoethane
 Concen: 19.645 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

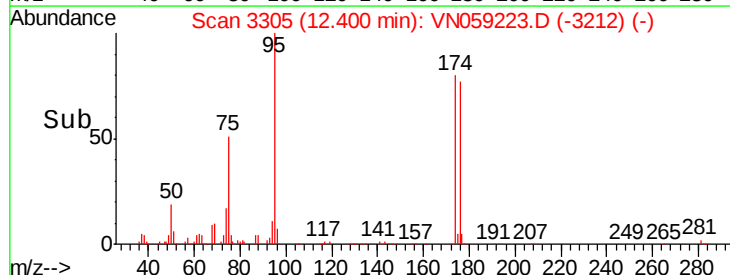
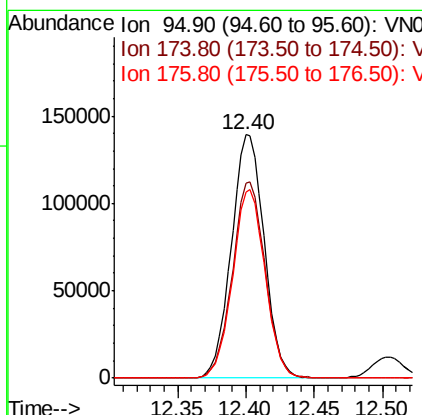
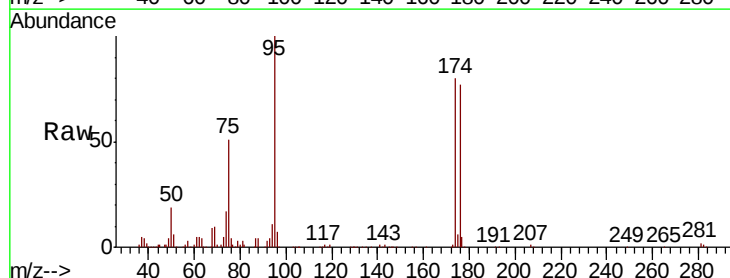
Instrument :
 MSVOA_N
 ClientSampleId :

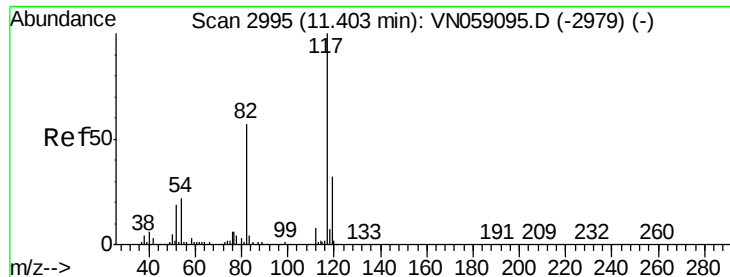
Tot Ion: 107 Resp: 78042
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 47.685 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Tgt Ion: 95 Resp: 232414
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 158.2
 176 76.9 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: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

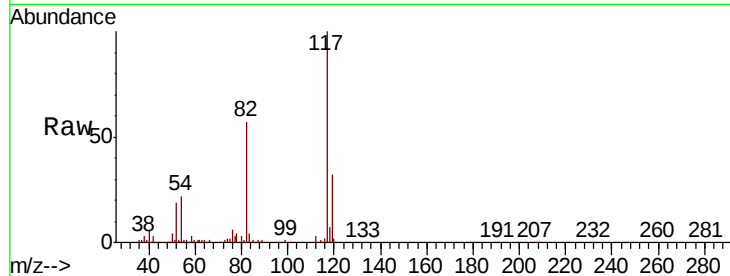
Tot Ion:117 Resp: 518741

Ion Ratio Lower Upper

117 100

82 57.0 45.8 68.8

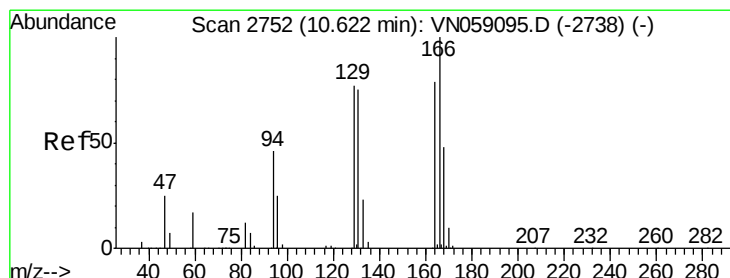
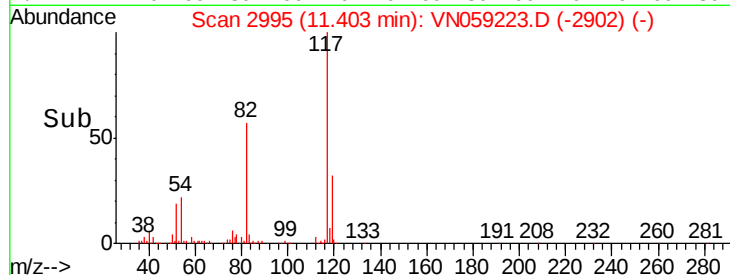
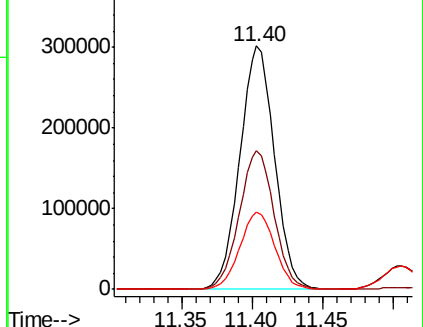
119 31.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.585 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Tgt Ion:164 Resp: 65556

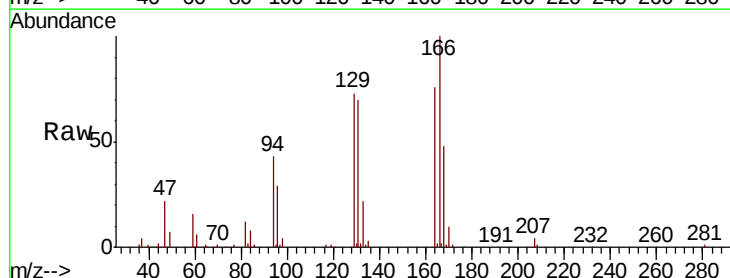
Ion Ratio Lower Upper

164 100

166 131.3 101.5 152.3

129 95.6 78.3 117.5

131 91.5 75.9 113.9

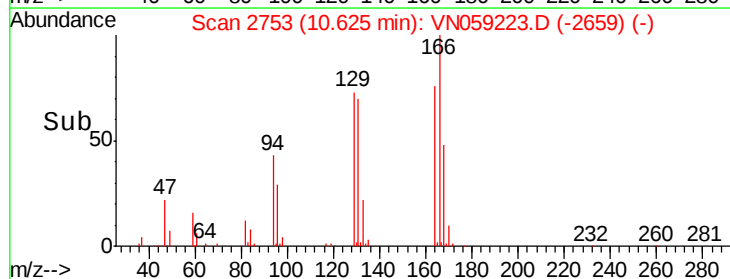
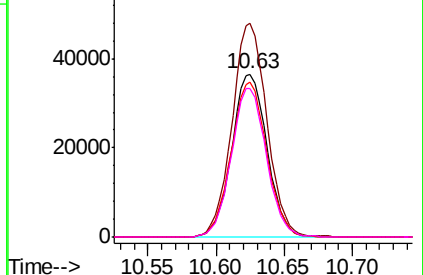


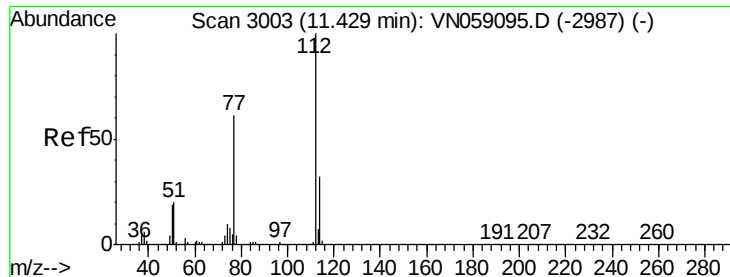
Abundance Ion 163.80 (163.50 to 164.50): V

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

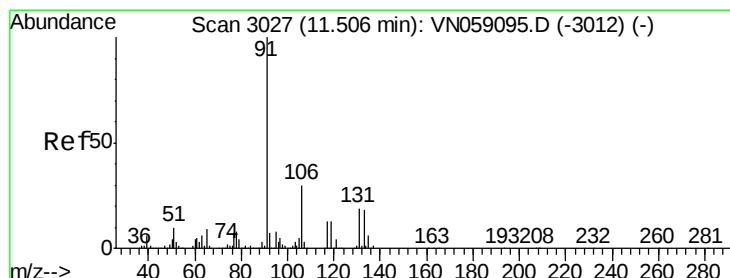
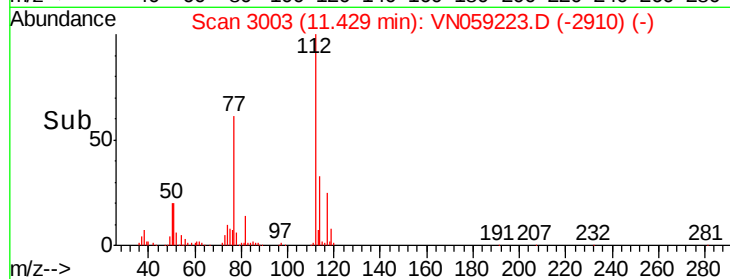
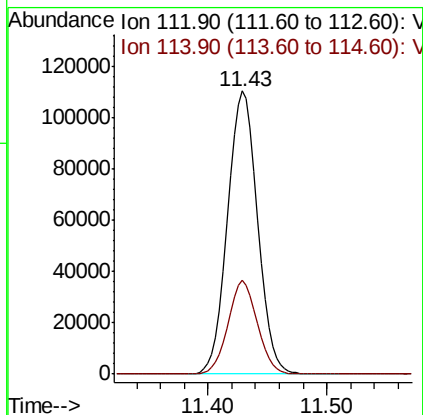
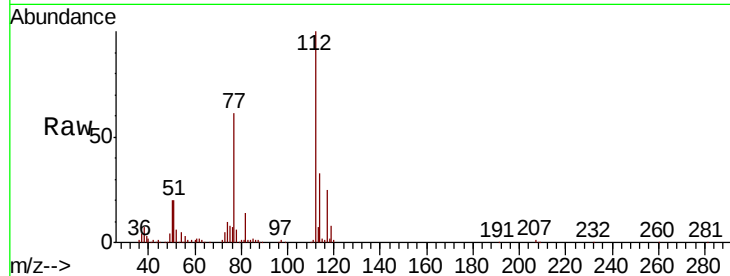




#65
Chlorobenzene
Concen: 19.117 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

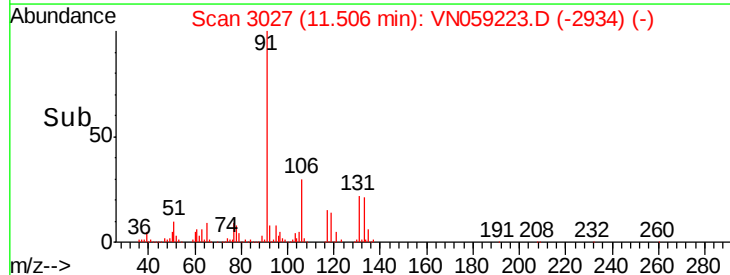
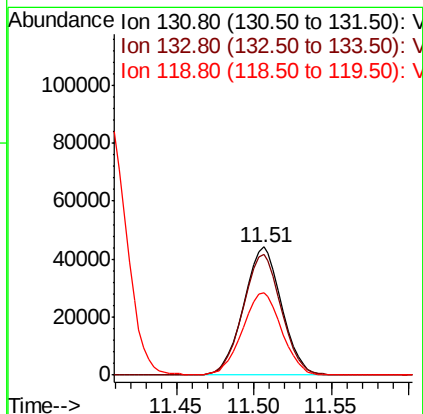
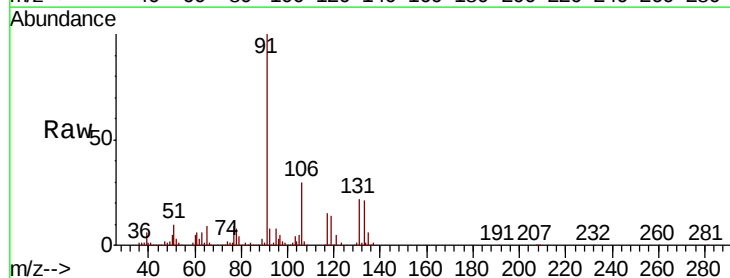
Instrument :
MSVOA_N
ClientSampled :

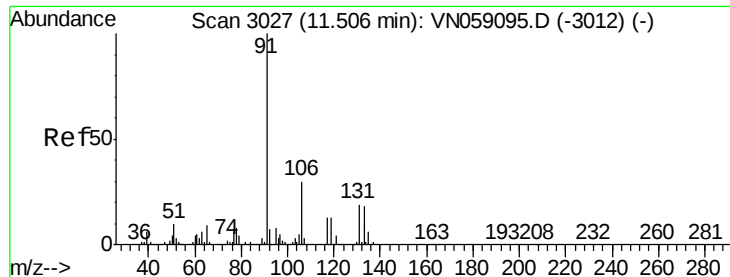
Tot Ion:112 Resp: 193314
Ion Ratio Lower Upper
112 100
114 33.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.901 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion:131 Resp: 75492
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.3
119 66.5 33.2 99.6





#67

Ethyl Benzene

Concen: 19.002 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

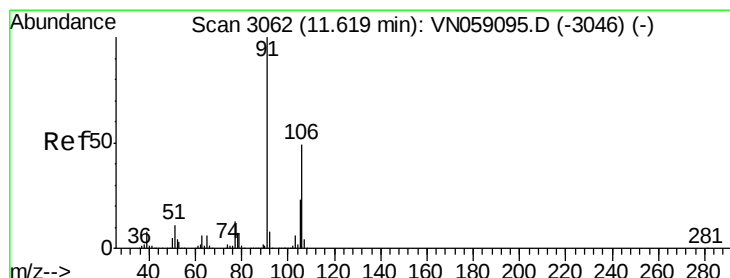
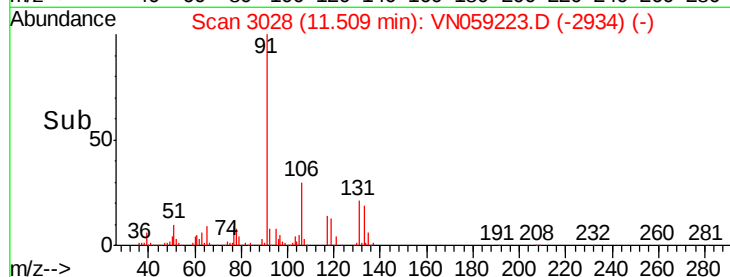
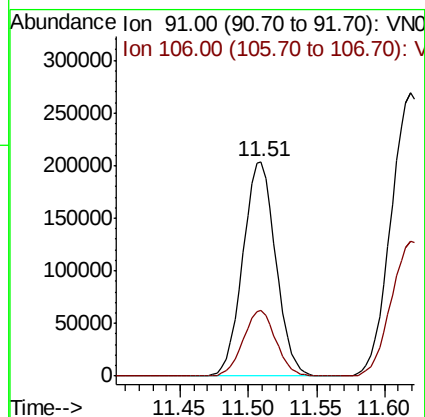
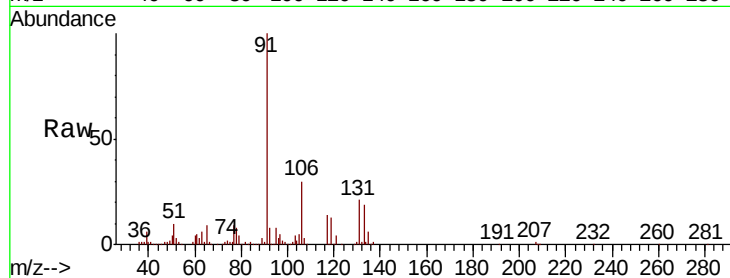
ClientSampled :

Tot Ion: 91 Resp: 340921

Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1



#68

m/p-Xylenes

Concen: 37.296 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059223.D

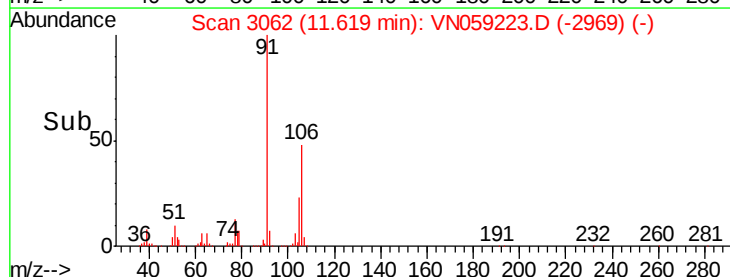
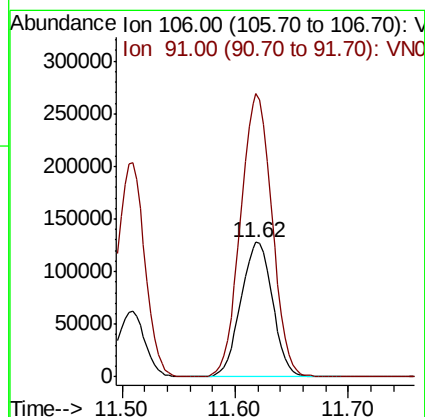
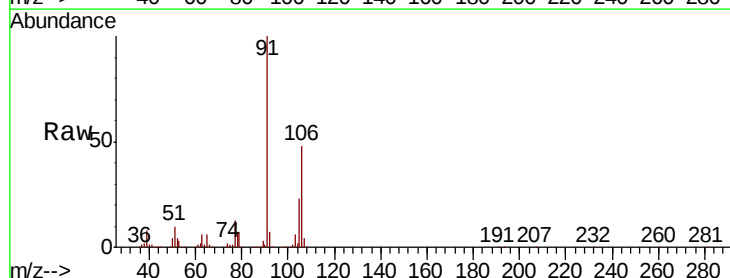
Acq: 14 Nov 2019 11:19

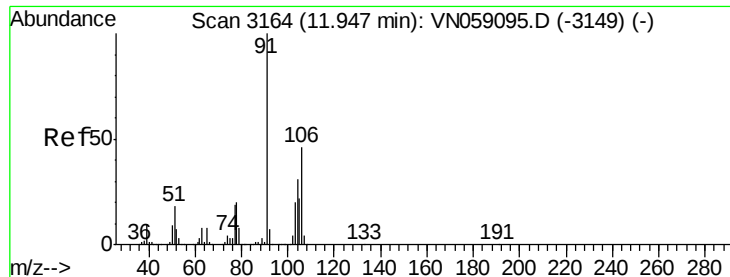
Tgt Ion: 106 Resp: 250653

Ion Ratio Lower Upper

106 100

91 207.9 164.7 247.1

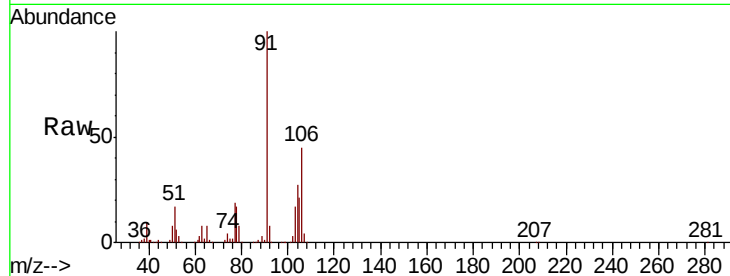




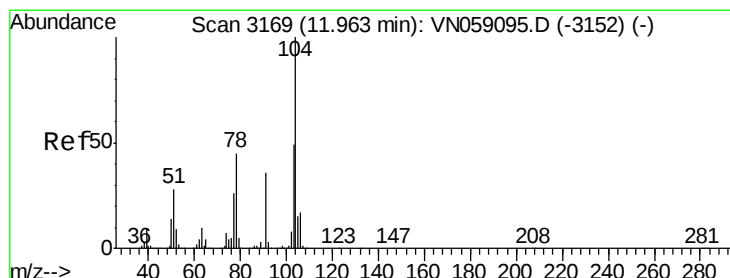
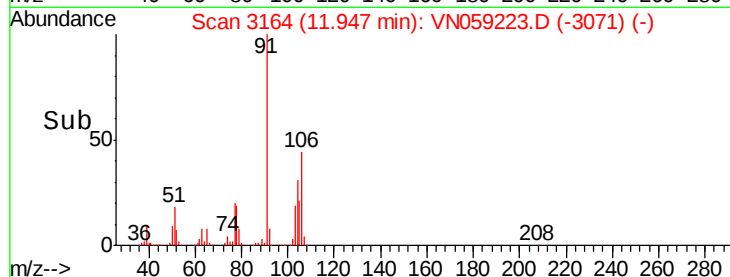
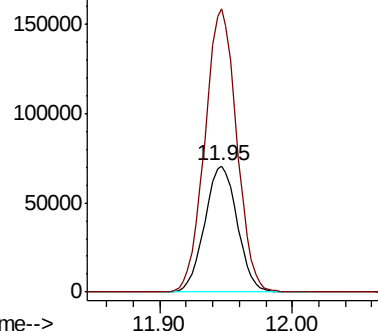
#69
o-Xylene
Concen: 18.570 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 120607
Ion Ratio Lower Upper
106 100
91 219.2 110.1 330.3

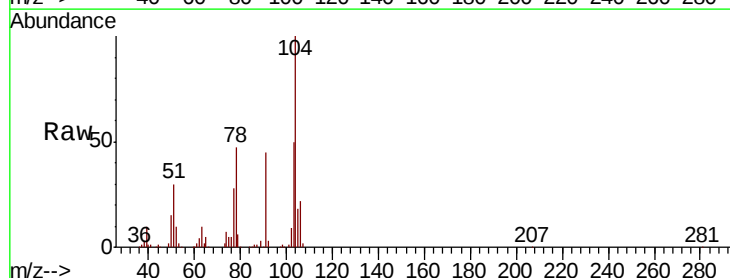


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

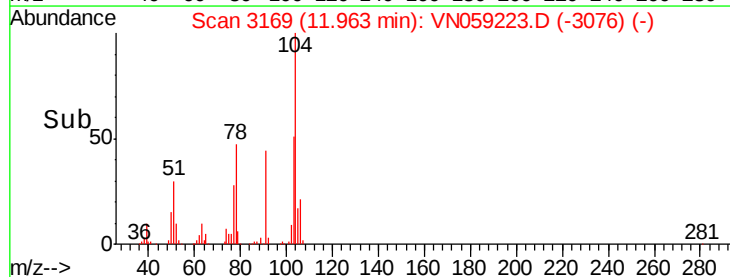
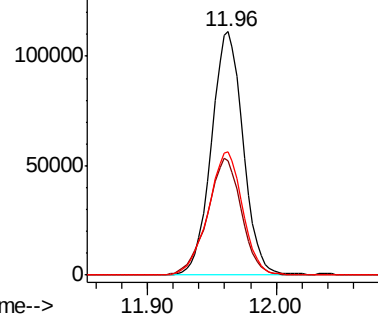


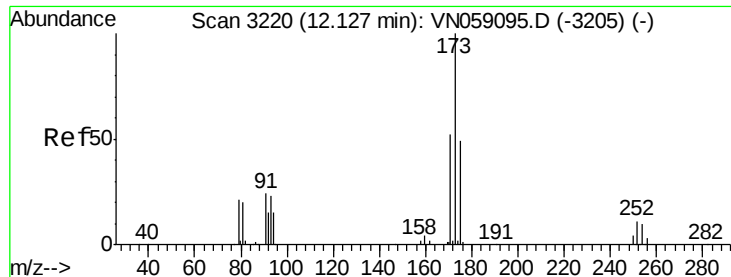
#70
Styrene
Concen: 18.665 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion:104 Resp: 190653
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 54.8 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

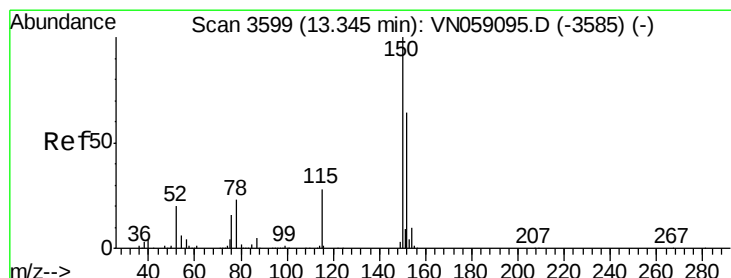
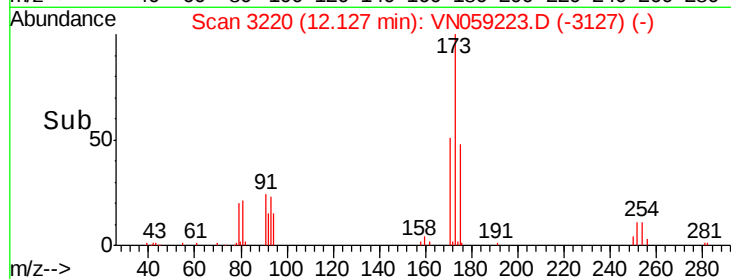
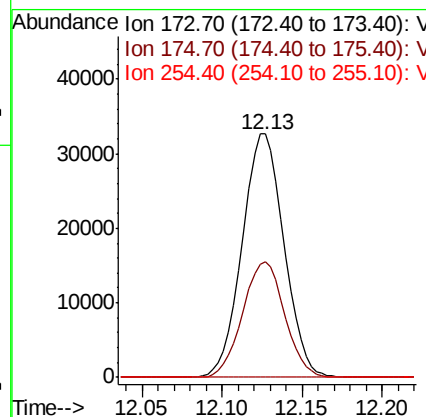
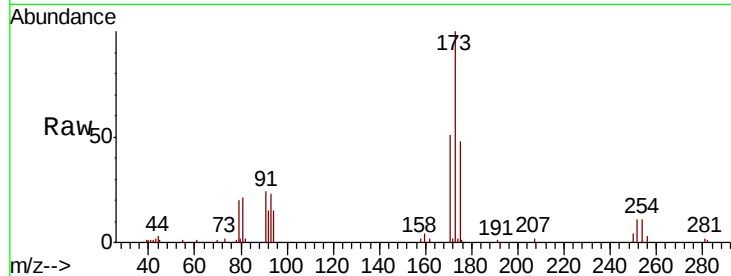




#71
Bromoform
Concen: 19.769 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

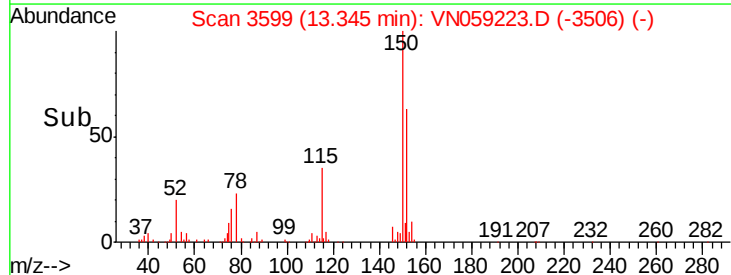
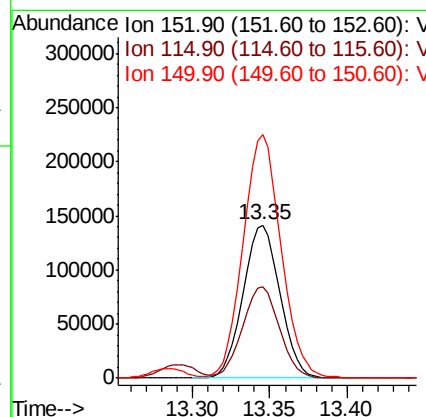
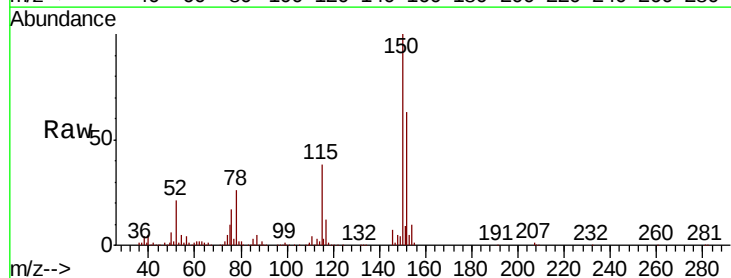
Instrument :
MSVOA_N
ClientSampled :

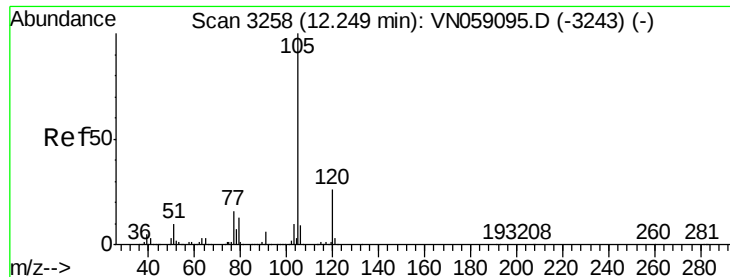
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.2	72.6
254	0.0	0.1	0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.4	88.2
150	163.4	0.0	345.8





#73

Isopropylbenzene

Concen: 19.158 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

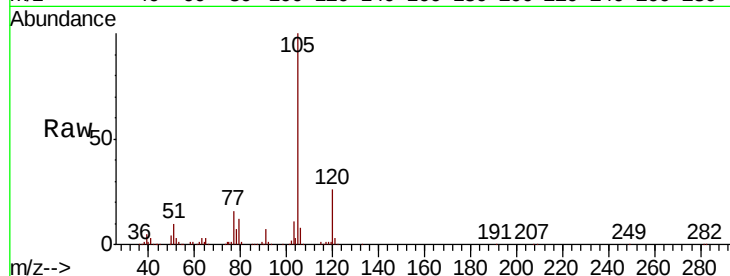
ClientSampleId :

Tot Ion: 105 Resp: 327477

Ion Ratio Lower Upper

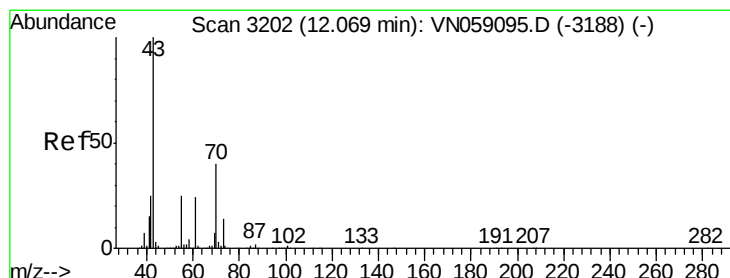
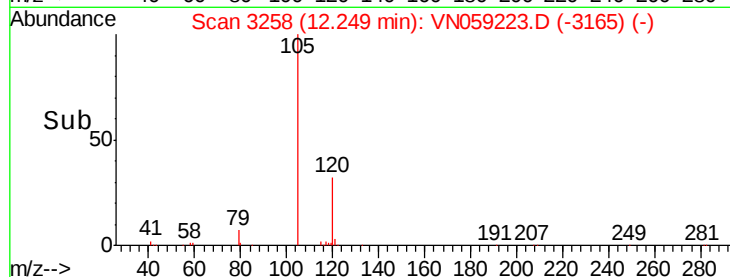
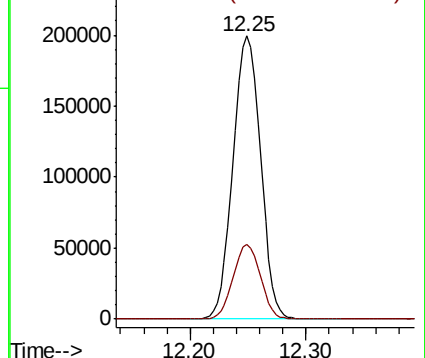
105 100

120 26.1 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.798 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Tgt Ion: 43 Resp: 136159

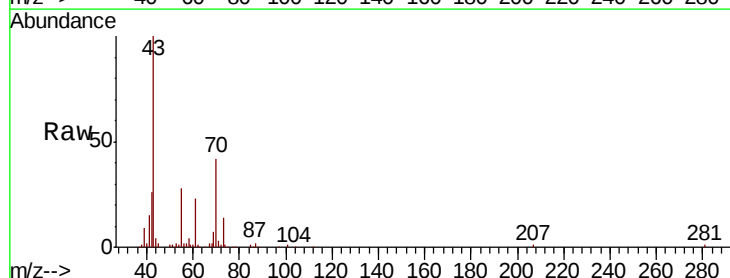
Ion Ratio Lower Upper

43 100

70 41.6 32.2 48.4

55 27.9 20.4 30.6

61 23.4 19.3 28.9

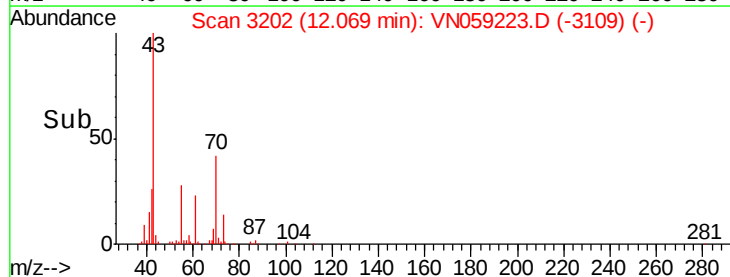
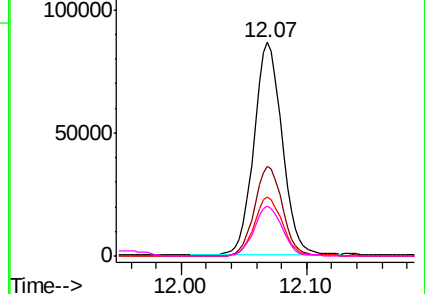


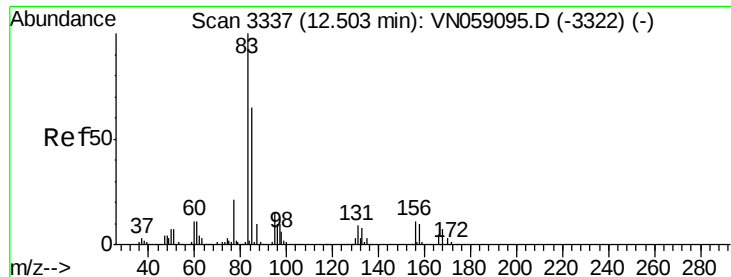
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.027 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

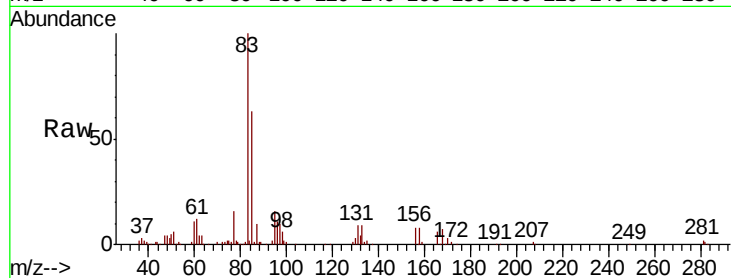
Tot Ion: 83 Resp: 122403

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

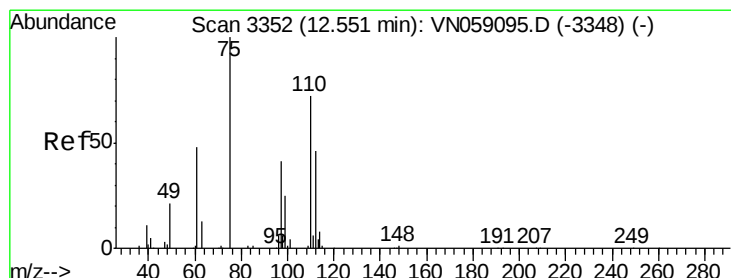
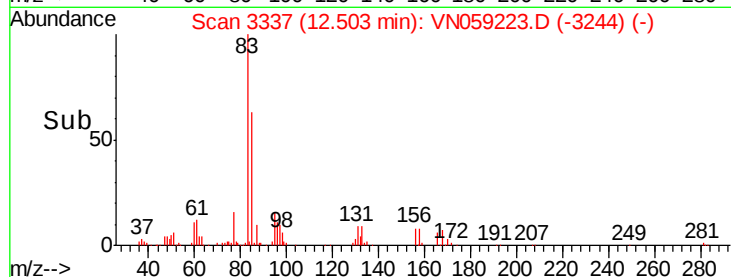
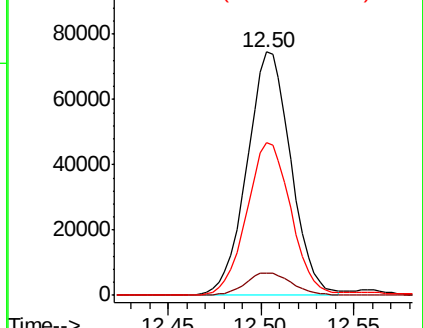
85 63.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059223.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059223.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059223.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 29.431 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059223.D

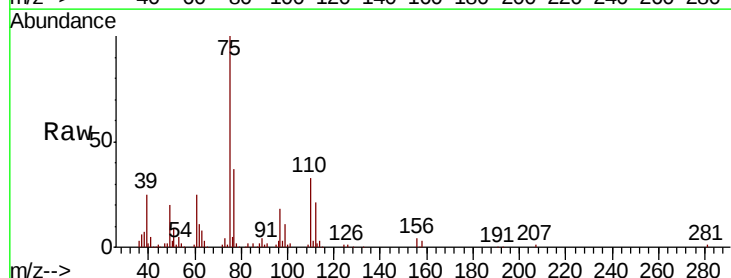
Acq: 14 Nov 2019 11:19

Tgt Ion: 75 Resp: 157453

Ion Ratio Lower Upper

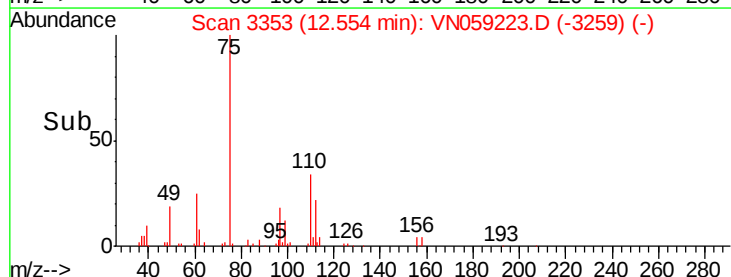
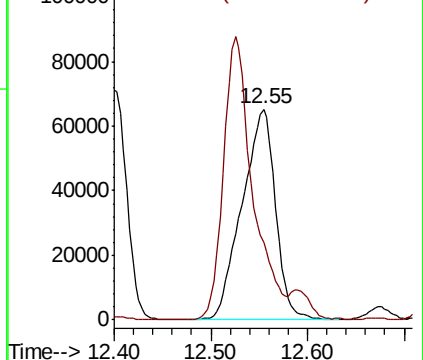
75 100

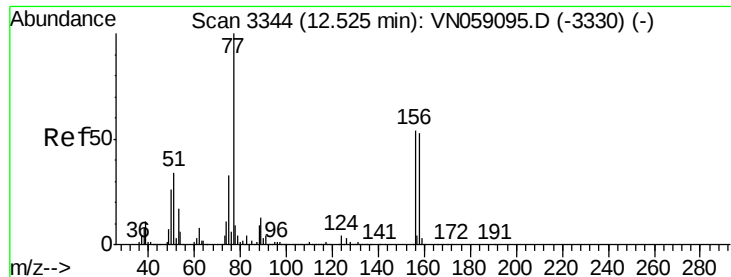
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059223.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059223.D (-3259) (-)





#77

Bromobenzene

Concen: 18.925 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

ClientSampled :

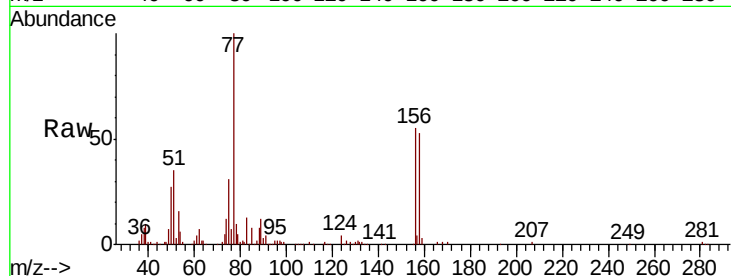
Tot Ion:156 Resp: 81273

Ion Ratio Lower Upper

156 100

77 225.3 112.8 338.3

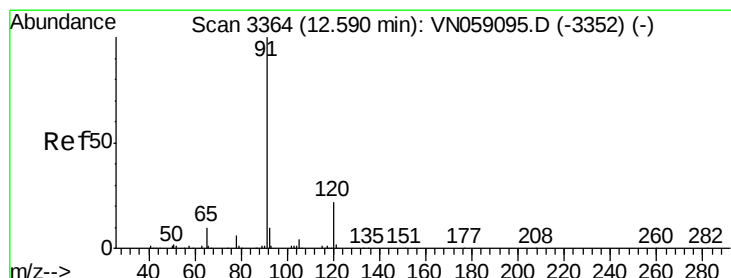
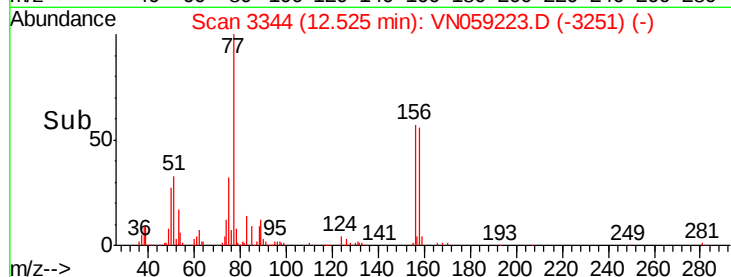
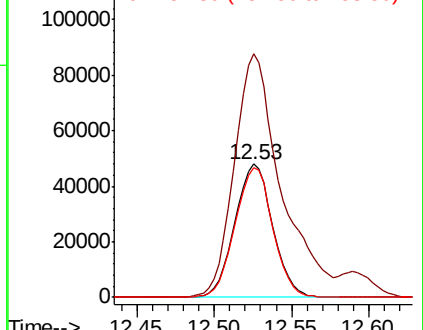
158 97.3 48.4 145.3



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: 18.976 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059223.D

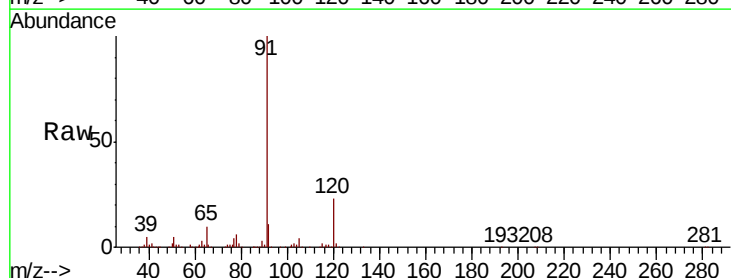
Acq: 14 Nov 2019 11:19

Tgt Ion: 91 Resp: 371389

Ion Ratio Lower Upper

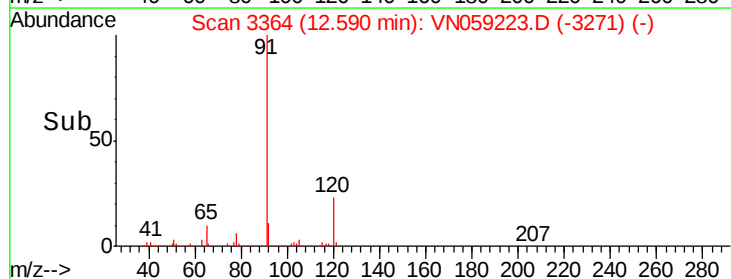
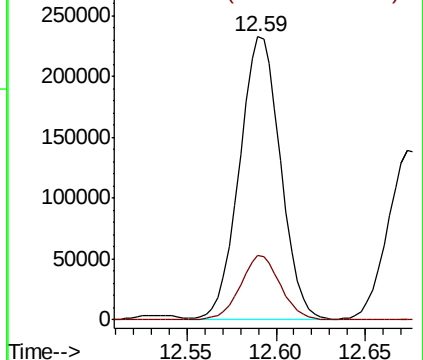
91 100

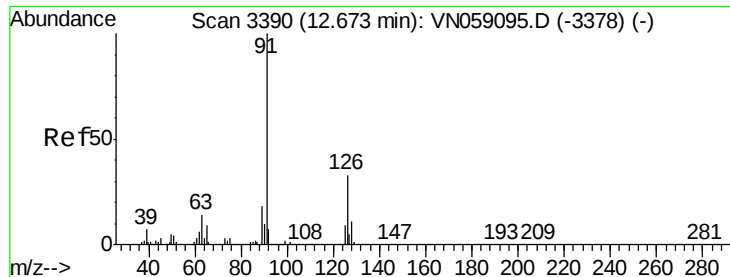
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.876 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

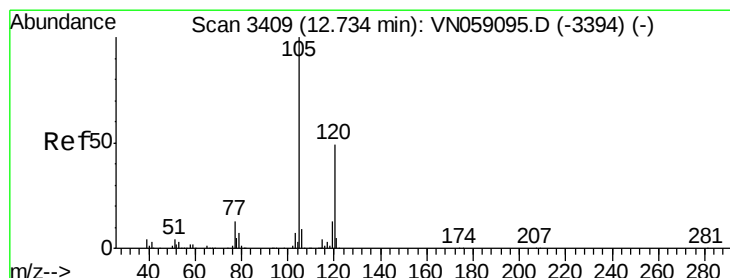
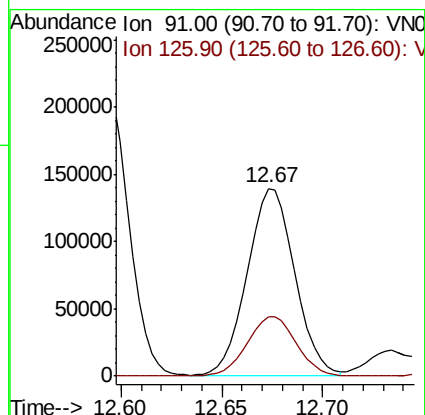
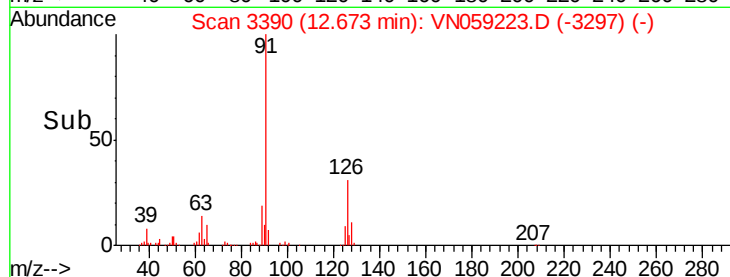
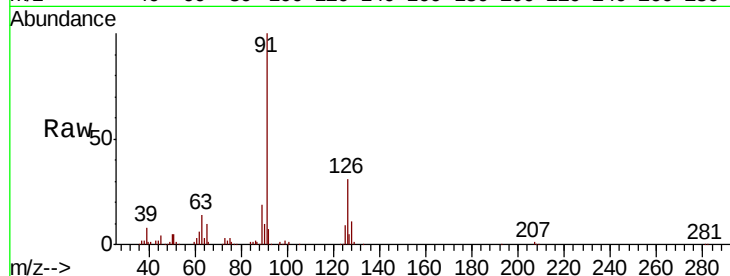
ClientSampled :

Tot Ion: 91 Resp: 229179

Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 18.955 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059223.D

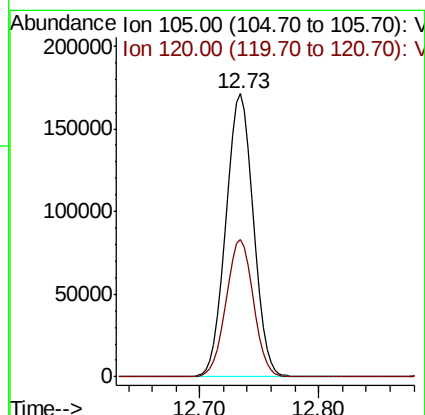
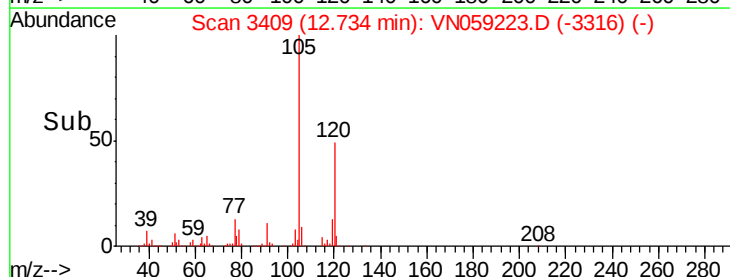
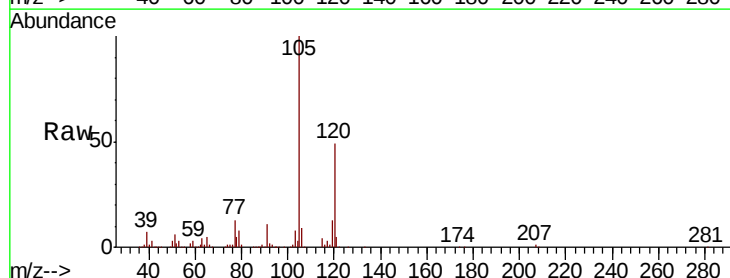
Acq: 14 Nov 2019 11:19

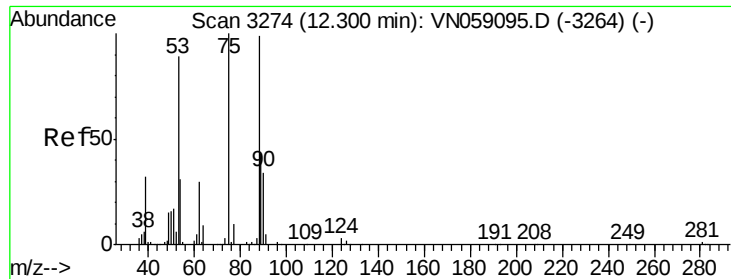
Tgt Ion: 105 Resp: 274552

Ion Ratio Lower Upper

105 100

120 48.4 24.0 72.0

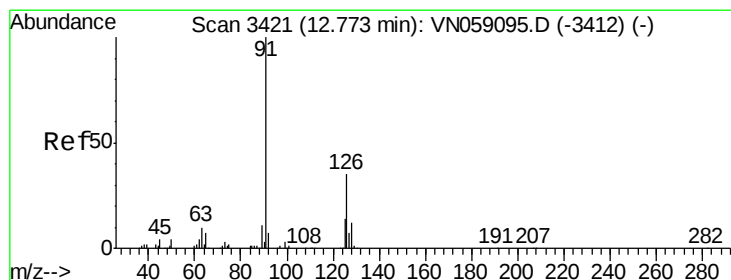
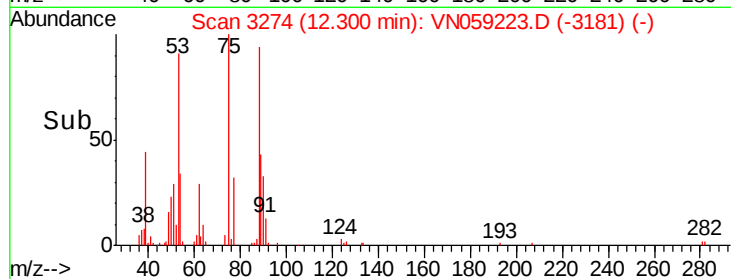
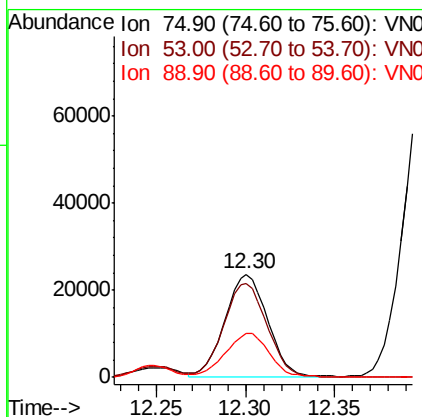
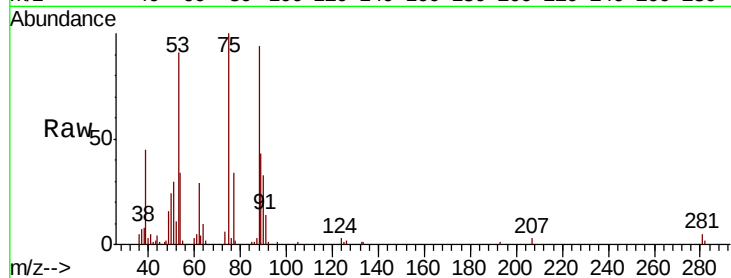




#81
trans-1,4-Dichloro-2-butene
Concen: 19.448 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

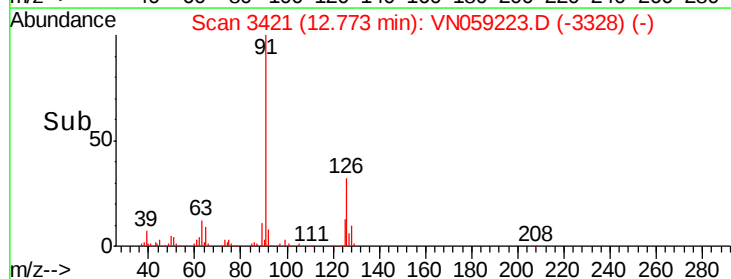
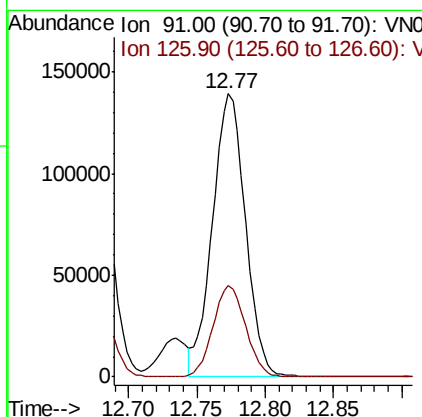
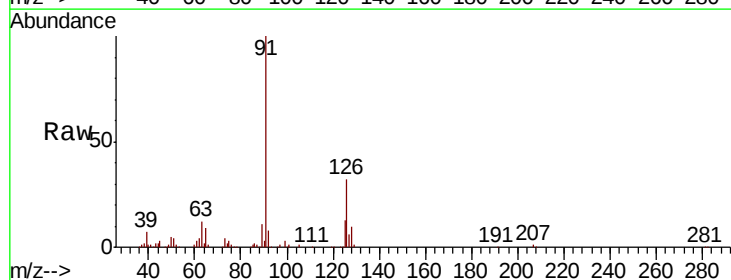
Instrument :
MSVOA_N
ClientSampleId :

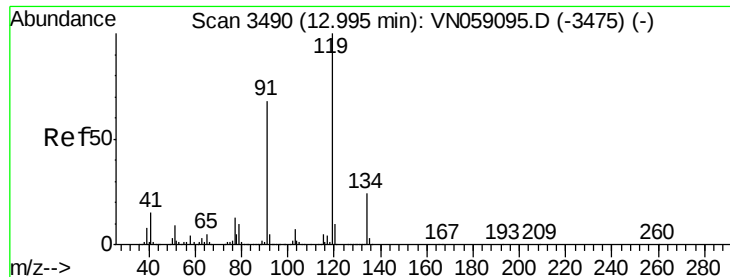
Tot Ion: 75 Resp: 39392
Ion Ratio Lower Upper
75 100
53 91.3 72.2 108.2
89 44.2 35.8 53.8



#82
4-Chlorotoluene
Concen: 19.112 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion: 91 Resp: 232734
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.2

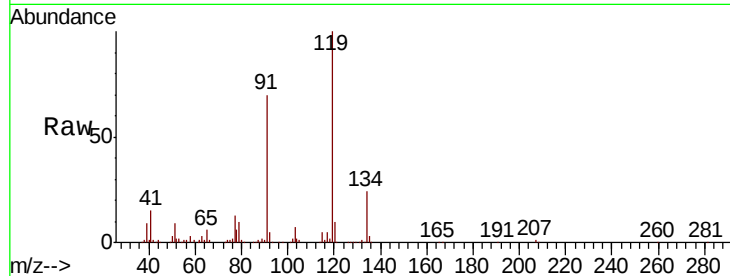




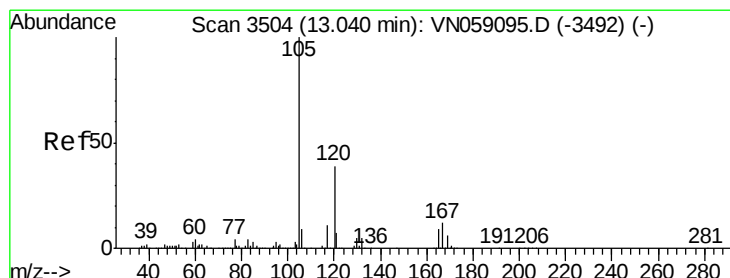
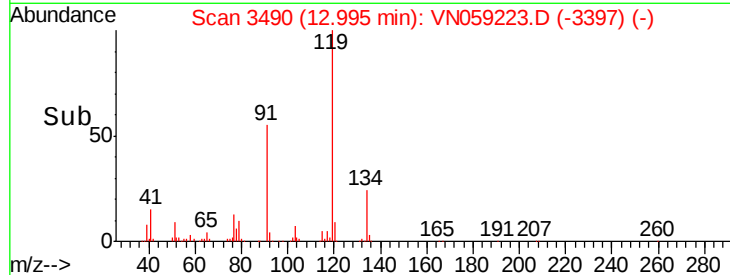
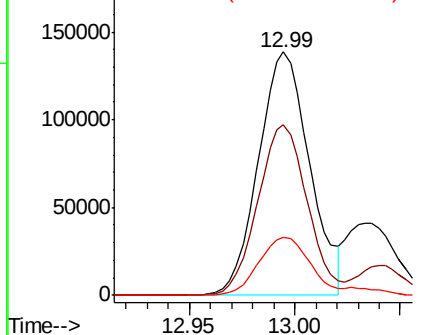
#83
 tert-Butylbenzene
 Concen: 18.742 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.2	99.6
134	23.9	12.7	38.1

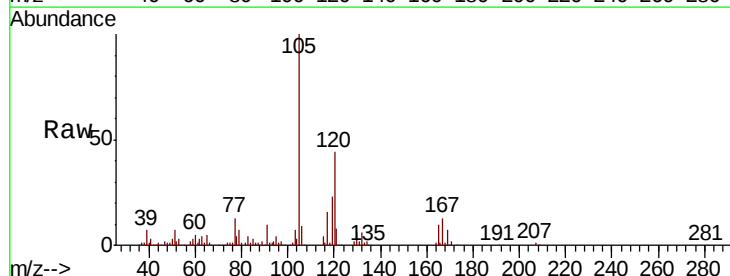


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

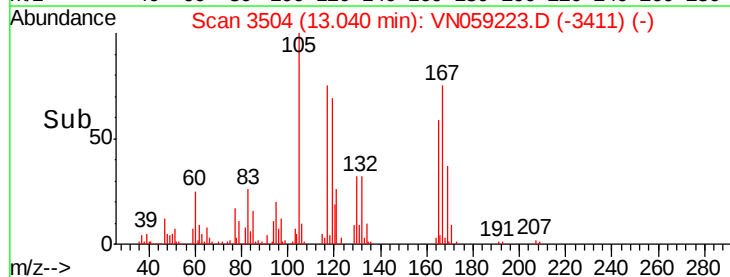
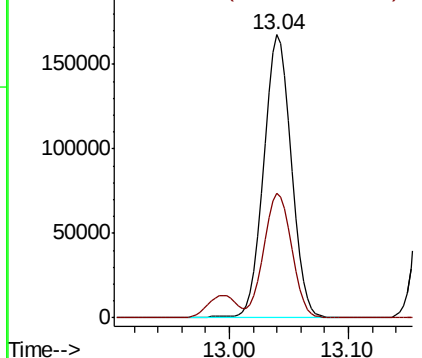


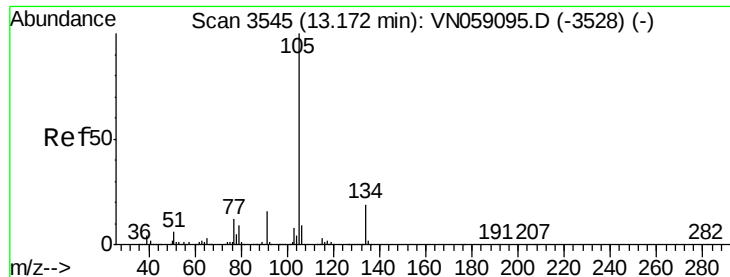
#84
 1,2,4-Trimethylbenzene
 Concen: 19.256 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.8	68.4



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

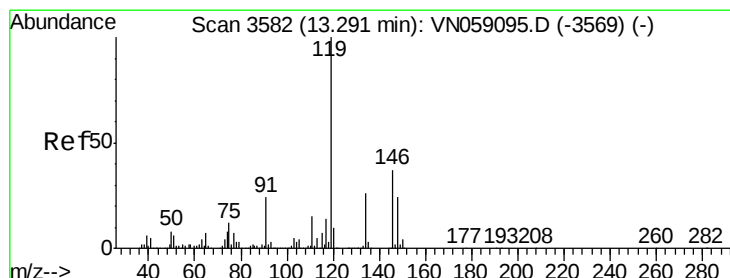
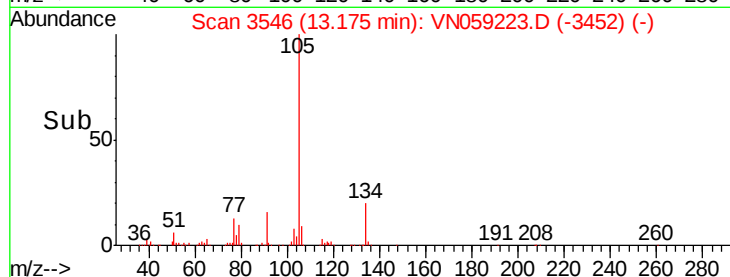
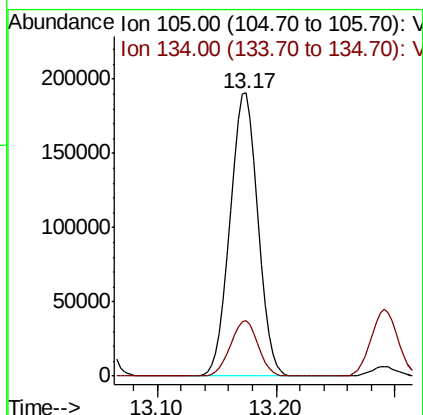
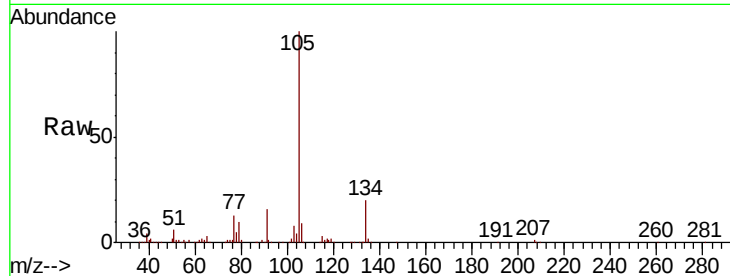




#85
 sec-Butylbenzene
 Concen: 18.989 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

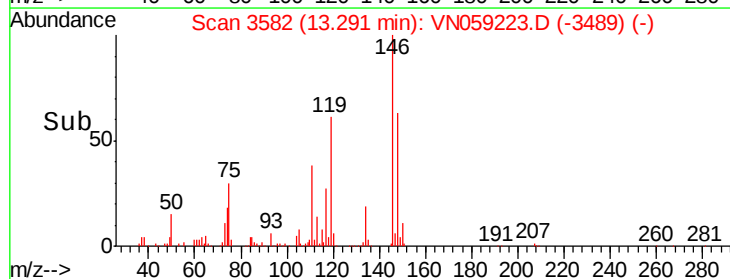
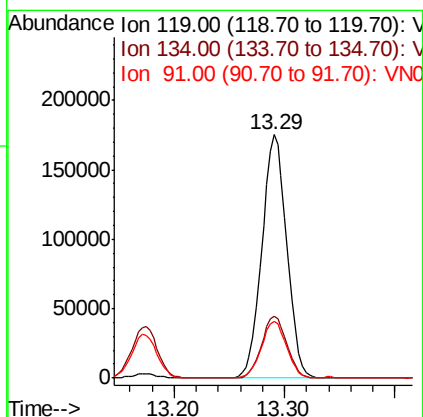
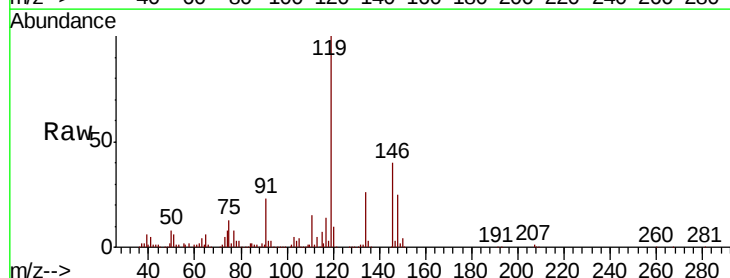
Instrument :
 MSVOA_N
 ClientSampleId :

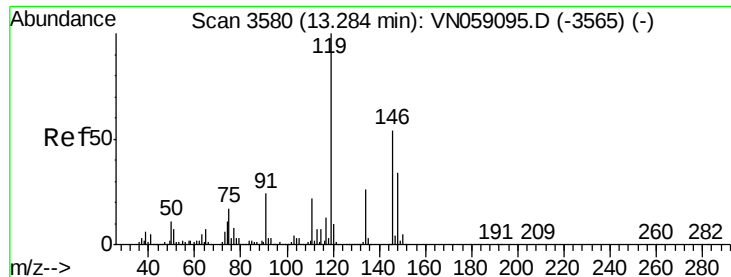
Tot Ion:105 Resp: 308900
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 19.085 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Tgt Ion:119 Resp: 274126
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 23.7 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 18.890 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

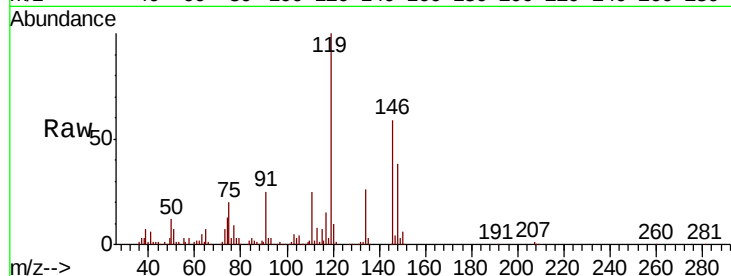
Tot Ion:146 Resp: 138922

Ion Ratio Lower Upper

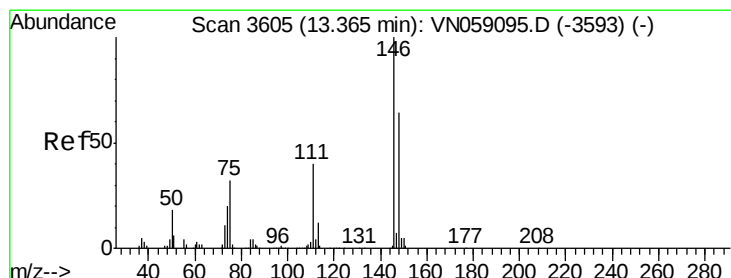
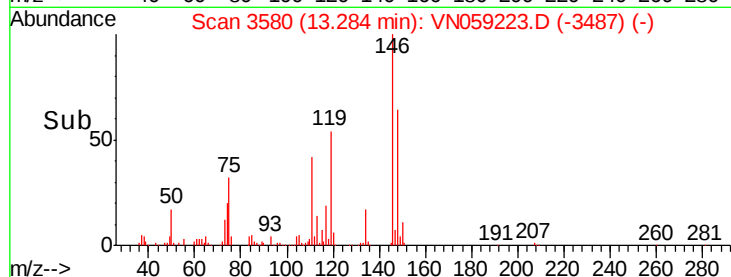
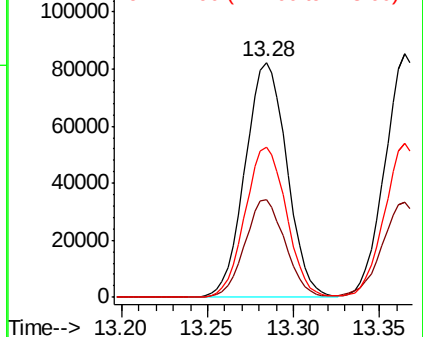
146 100

111 40.2 20.4 61.3

148 63.3 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 18.600 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

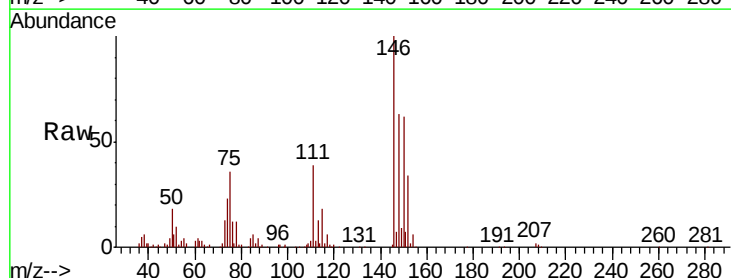
Tgt Ion:146 Resp: 136861

Ion Ratio Lower Upper

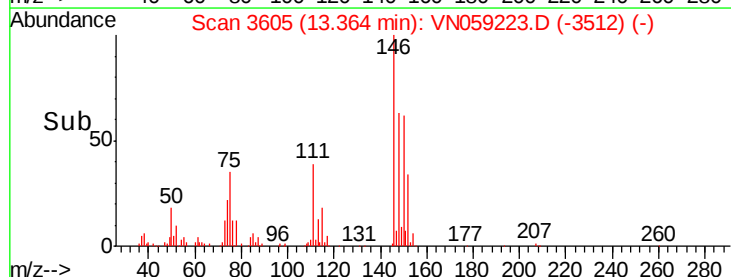
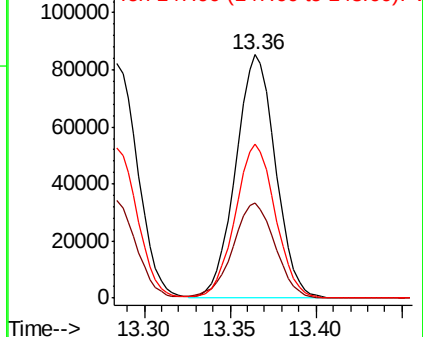
146 100

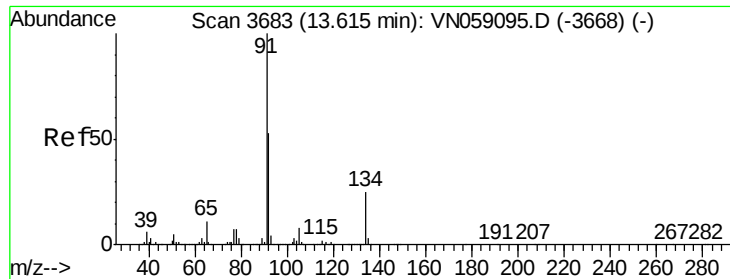
111 41.9 20.3 60.9

148 64.5 31.9 95.7



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





#89

n-Butylbenzene

Concen: 17.554 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

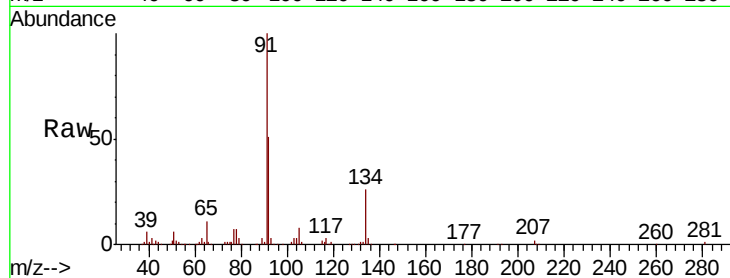
Tot Ion: 91 Resp: 220681

Ion Ratio Lower Upper

91 100

92 51.1 26.1 78.3

134 24.6 12.6 37.8

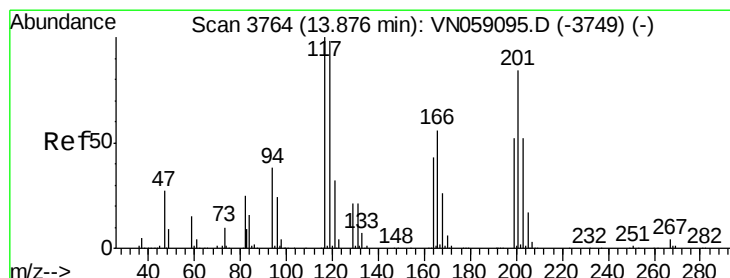
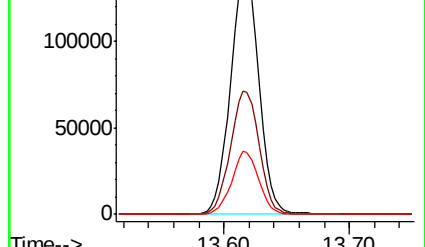
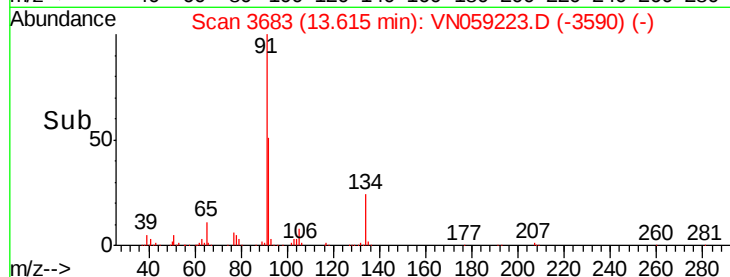


Abundance Ion 91.00 (90.70 to 91.70): VN059223.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059223.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059223.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 19.370 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059223.D

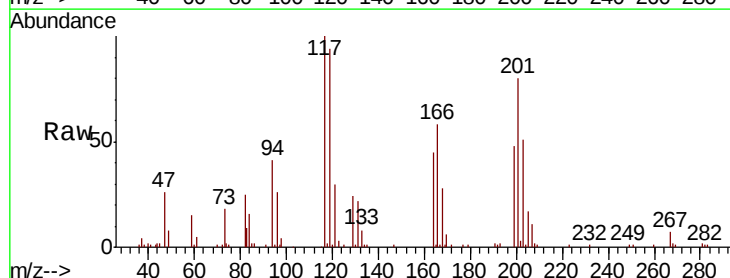
Acq: 14 Nov 2019 11:19

Tgt Ion: 117 Resp: 55868

Ion Ratio Lower Upper

117 100

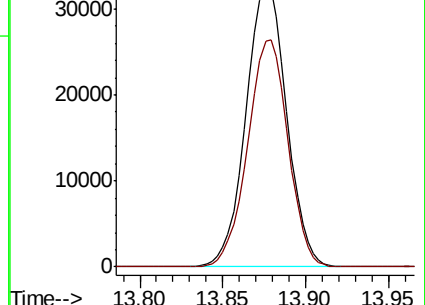
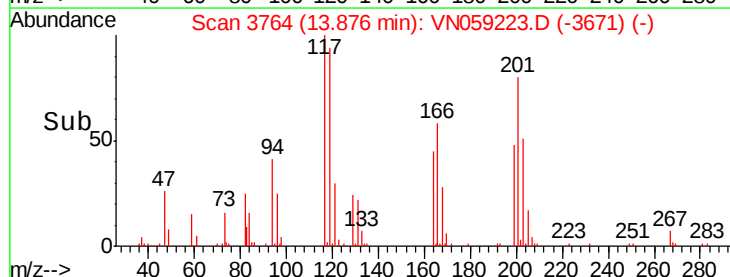
201 79.7 41.8 125.3

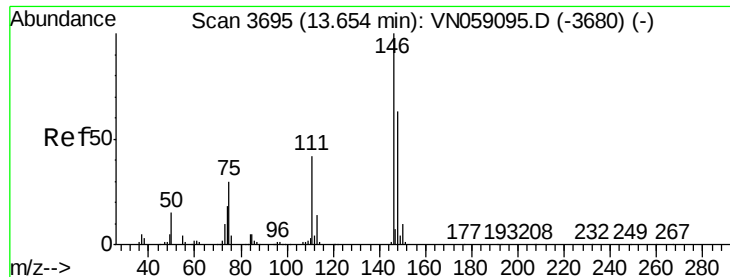


Abundance Ion 116.80 (116.50 to 117.50): VN059223.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059223.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.621 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

Instrument :

MSVOA_N

ClientSampleId :

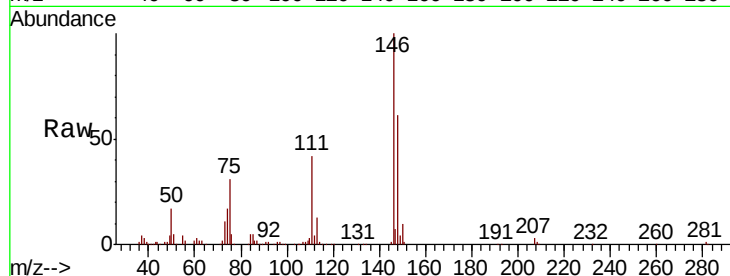
Tot Ion:146 Resp: 141941

Ion Ratio Lower Upper

146 100

111 41.8 21.2 63.6

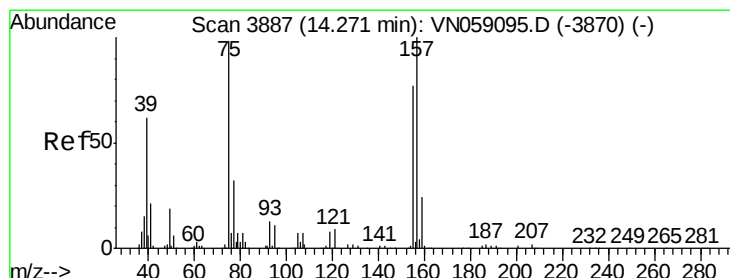
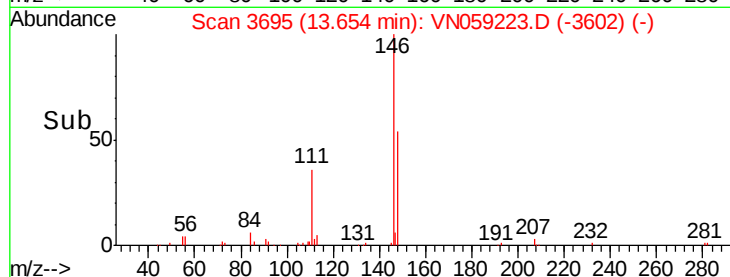
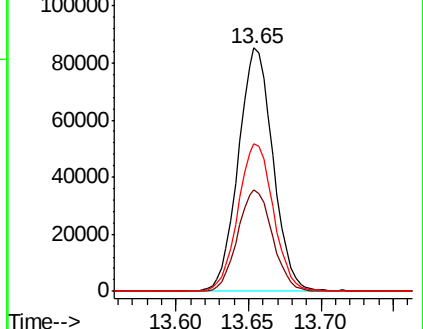
148 61.9 31.6 94.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.767 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059223.D

Acq: 14 Nov 2019 11:19

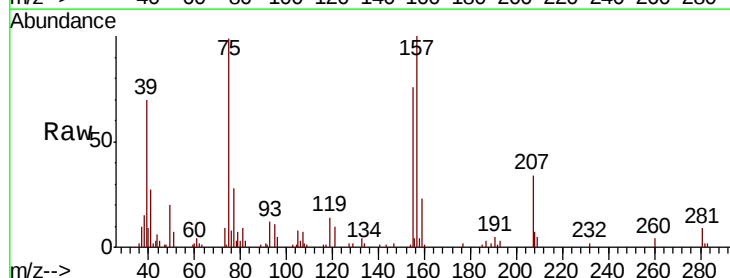
Tgt Ion: 75 Resp: 24100

Ion Ratio Lower Upper

75 100

155 79.3 40.2 120.6

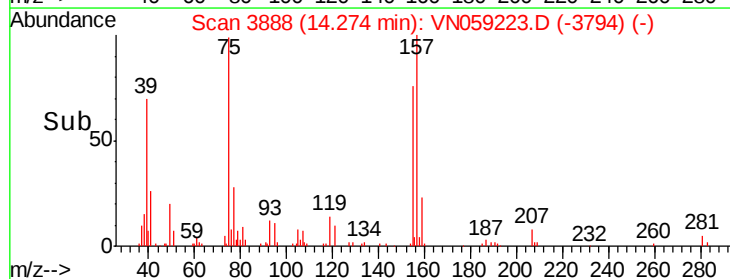
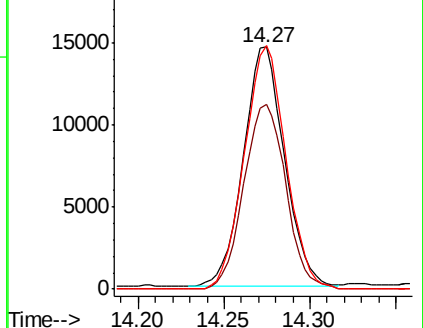
157 103.1 51.8 155.5

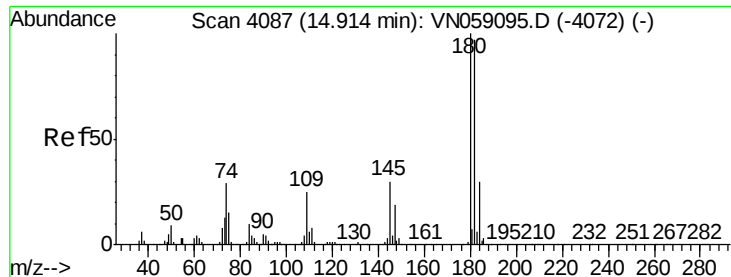


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

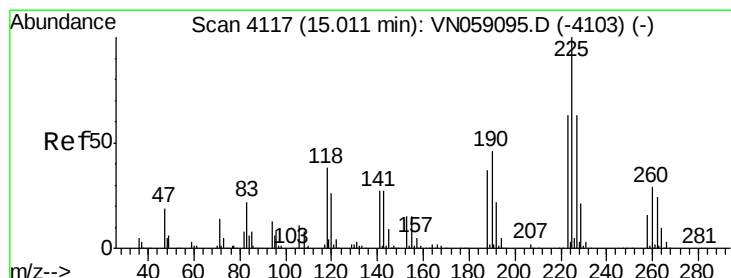
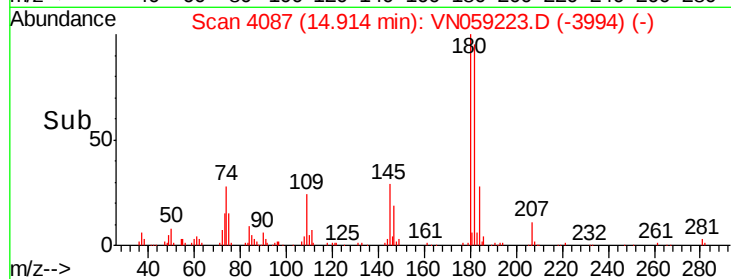
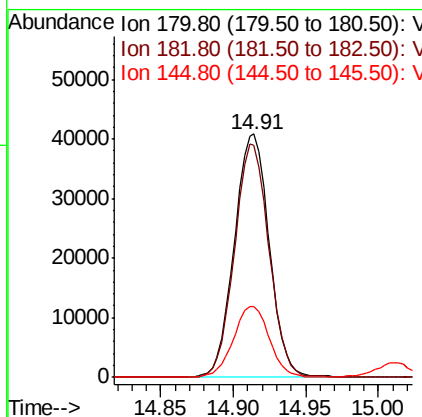
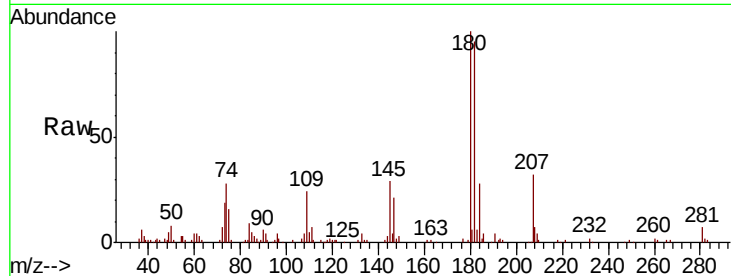




#93
 1,2,4-Trichlorobenzene
 Concen: 17.653 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

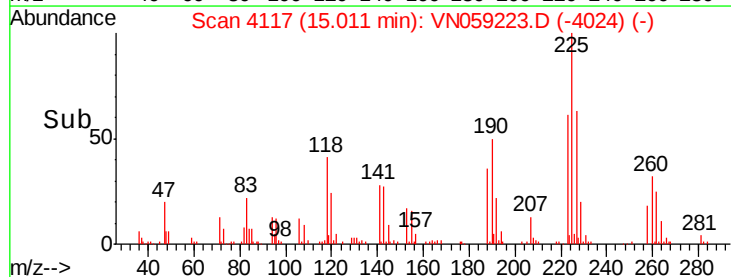
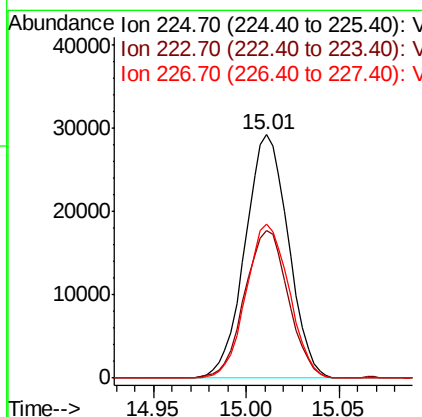
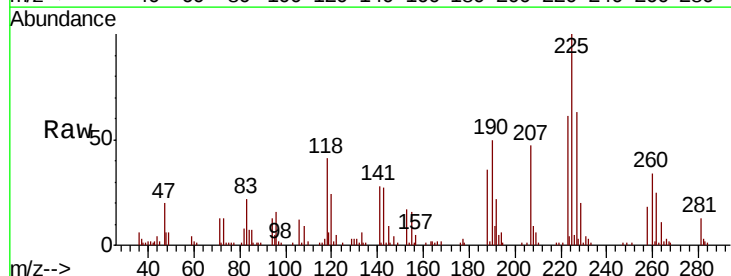
Instrument :
 MSVOA_N
 ClientSampled :

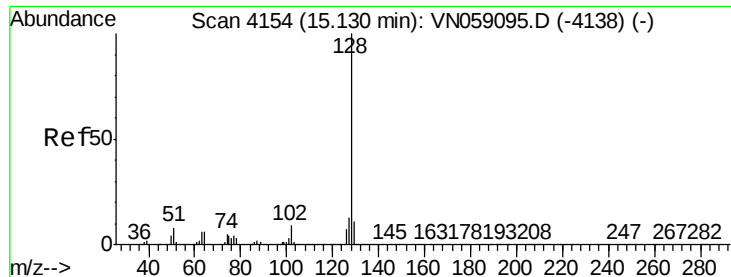
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.3
145	29.7	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 18.939 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059223.D
 Acq: 14 Nov 2019 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.3	93.9
227	62.8	31.5	94.5

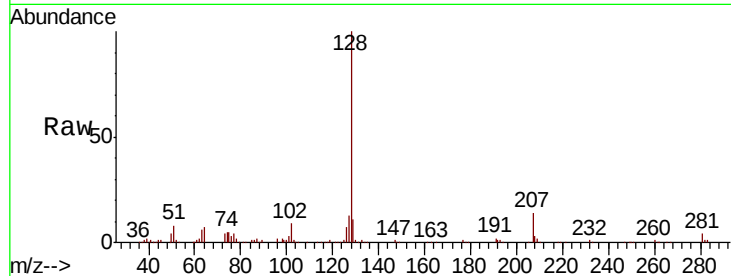




#95
Naphthalene
Concen: 17.630 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

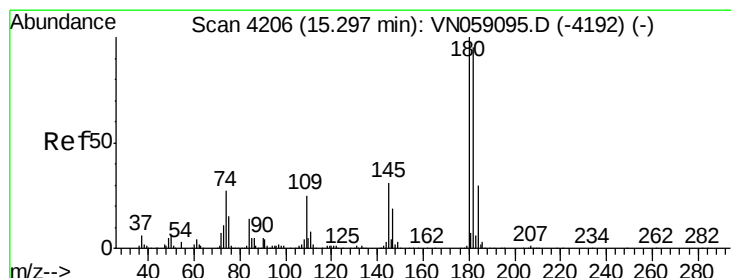
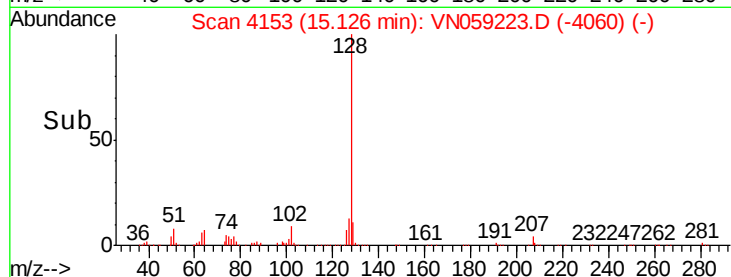
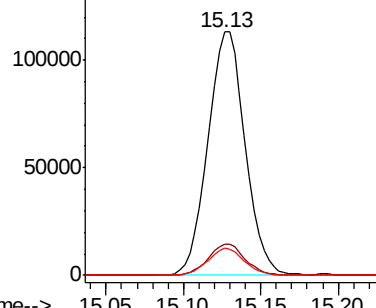


Abundance

Ion 128.00 (127.70 to 128.70): V

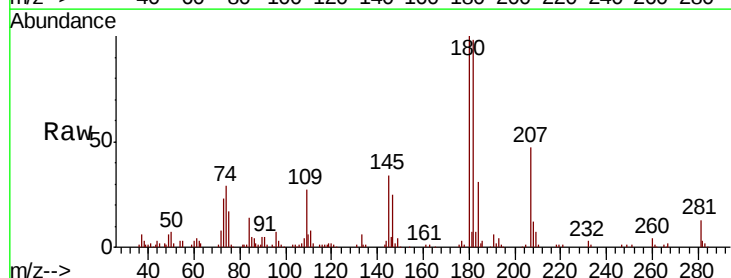
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.010 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059223.D
Acq: 14 Nov 2019 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	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

