

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059431.D
 Acq On : 27 Nov 2019 19:10
 Operator : JC/SP
 Sample : VN1127WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 03:01:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	349702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	551071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222400	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	194632	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	7.57	113	159900	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	10.08	98	632426	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	215779	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	80967	19.672	ug/l	99
3) Chloromethane	2.04	50	98301	19.552	ug/l	100
4) Vinyl Chloride	2.17	62	95154	19.695	ug/l	99
5) Bromomethane	2.55	94	55803	19.184	ug/l	98
6) Chloroethane	2.69	64	54162	19.995	ug/l	94
7) Trichlorofluoromethane	3.00	101	112804	19.602	ug/l	97
8) Diethyl Ether	3.39	74	46442	19.830	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	67191	18.958	ug/l	98
10) Methyl Iodide	3.93	142	88942	19.280	ug/l	99
11) Tert butyl alcohol	4.76	59	73987	104.260	ug/l	99
12) 1,1-Dichloroethene	3.72	96	68265	19.668	ug/l	98
13) Acrolein	3.58	56	54312	78.403	ug/l	96
14) Allyl chloride	4.30	41	123776	19.228	ug/l	98
15) Acrylonitrile	4.96	53	203230	102.775	ug/l	98
16) Acetone	3.79	43	224488	115.032	ug/l	99
17) Carbon Disulfide	4.03	76	217854	18.290	ug/l	99
18) Methyl Acetate	4.30	43	104250	19.617	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	222069	19.855	ug/l	97
20) Methylene Chloride	4.53	84	77412	19.522	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	72911	19.280	ug/l	95
22) Diisopropyl ether	5.92	45	241333	20.174	ug/l	96
23) Vinyl Acetate	5.87	43	984327	101.992	ug/l	99
24) 1,1-Dichloroethane	5.82	63	136777	19.872	ug/l	99
25) 2-Butanone	6.81	43	285568	106.369	ug/l	99
26) 2,2-Dichloropropane	6.80	77	115324	19.688	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	80526	19.470	ug/l	98
28) Bromochloromethane	7.18	49	53517	18.992	ug/l	99
29) Tetrahydrofuran	7.19	42	185084	103.658	ug/l	100
30) Chloroform	7.35	83	130622	18.859	ug/l	100
31) Cyclohexane	7.63	56	129277	18.736	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	112340	19.834	ug/l	99
36) 1,1-Dichloropropene	7.78	75	103369	19.506	ug/l	99
37) Ethyl Acetate	6.91	43	110609	19.728	ug/l	99
38) Carbon Tetrachloride	7.75	117	98933	19.782	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	122267	19.285	ug/l	98
40) Benzene	8.02	78	307380	19.535	ug/l	99
41) Methacrylonitrile	7.19	41	159243	60.995	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	99676	19.978	ug/l	98
43) Isopropyl Acetate	8.15	43	168984	19.839	ug/l	100
44) Trichloroethene	8.82	130	77865	19.408	ug/l	99
45) 1,2-Dichloropropane	9.11	63	81602	19.827	ug/l	99
46) Dibromomethane	9.20	93	49091	19.329	ug/l	99
47) Bromodichloromethane	9.39	83	100180	19.502	ug/l	100
48) Methyl methacrylate	9.19	41	75320	19.932	ug/l	99
49) 1,4-Dioxane	9.19	88	23711	429.618	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	525917	106.449	ug/l	100
52) Toluene	10.15	92	184319	19.608	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	114934	19.471	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	124545	19.546	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	72118	19.601	ug/l	99
56) Ethyl methacrylate	10.42	69	106226	21.214	ug/l	98
57) 1,3-Dichloropropane	10.70	76	125383	19.717	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	199946	126.830	ug/l	100
59) 2-Hexanone	10.75	43	393036	107.284	ug/l	99
60) Dibromochloromethane	10.90	129	74673	19.443	ug/l	98
61) 1,2-Dibromoethane	11.00	107	73197	19.414	ug/l	99
64) Tetrachloroethene	10.63	164	71062	19.732	ug/l	99
65) Chlorobenzene	11.43	112	191626	19.440	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71017	19.867	ug/l	100
67) Ethyl Benzene	11.51	91	343454	19.837	ug/l	99
68) m/p-Xylenes	11.62	106	256688	39.709	ug/l	99
69) o-Xylene	11.95	106	123883	19.983	ug/l	99
70) Styrene	11.97	104	191986	20.898	ug/l	99
71) Bromoform	12.13	173	54351	19.968	ug/l #	100
73) Isopropylbenzene	12.25	105	328194	19.920	ug/l	100
74) N-amyl acetate	12.07	43	124760	21.921	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	107497	20.007	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	142799	28.382	ug/l #	100
77) Bromobenzene	12.53	156	78590	19.483	ug/l	98
78) n-propylbenzene	12.59	91	375500	19.778	ug/l	100
79) 2-Chlorotoluene	12.68	91	224807	19.805	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	276863	19.991	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38025	19.419	ug/l	98
82) 4-Chlorotoluene	12.78	91	225109	19.275	ug/l	100
83) tert-Butylbenzene	13.00	119	237077	19.936	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	271477	20.010	ug/l	99
85) sec-Butylbenzene	13.17	105	313244	19.835	ug/l	100
86) p-Isopropyltoluene	13.29	119	278107	19.480	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	137498	19.234	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	135776	18.919	ug/l	99
89) n-Butylbenzene	13.62	91	231039	18.513	ug/l	99
90) Hexachloroethane	13.88	117	52814	19.355	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	133147	19.008	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22034	23.813	ug/l	97

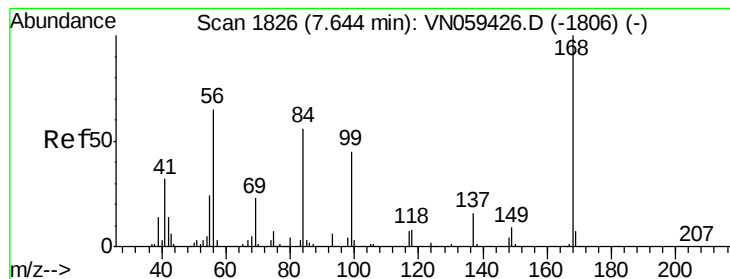
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Quant Title : SW846 8260
QLast Update : Wed Nov 27 16:56:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	77038	17.693	ug/l	100
94) Hexachlorobutadiene	15.01	225	49534	18.563	ug/l	98
95) Naphthalene	15.13	128	207351	22.797	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	79225	21.983	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: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

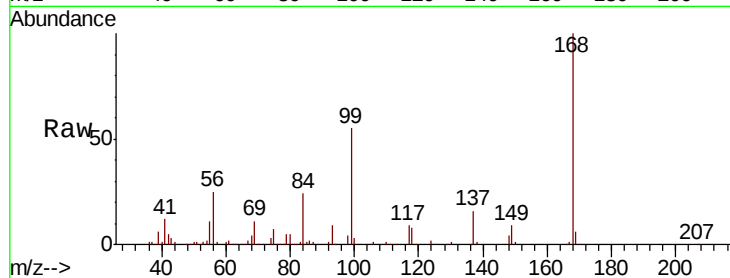
ClientSampled :

Tot Ion:168 Resp: 349702

Ion Ratio Lower Upper

168 100

99 54.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

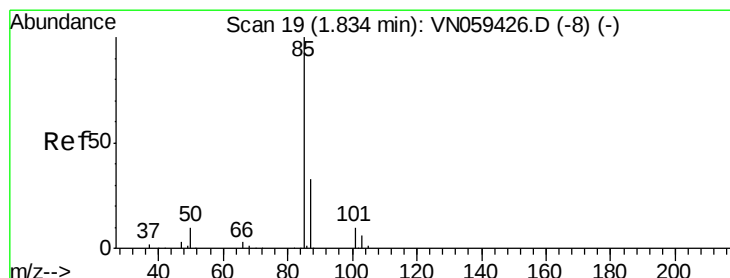
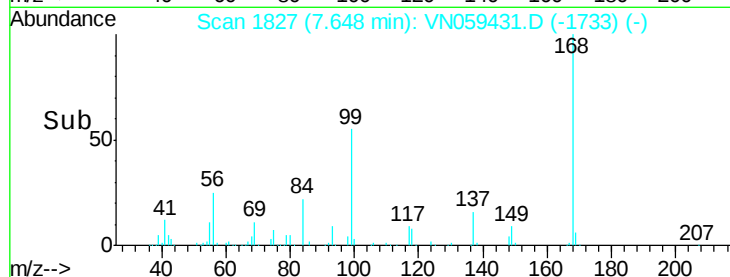
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.672 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN059431.D

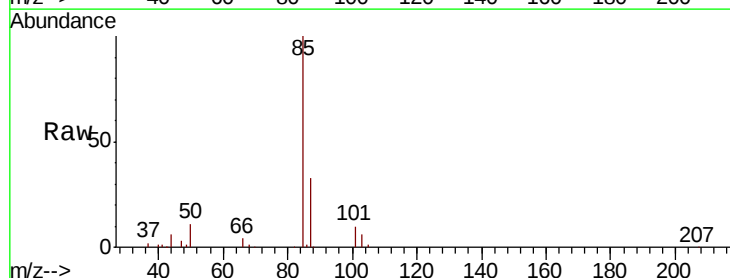
Acq: 27 Nov 2019 19:10

Tgt Ion: 85 Resp: 80967

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

60000

50000

40000

30000

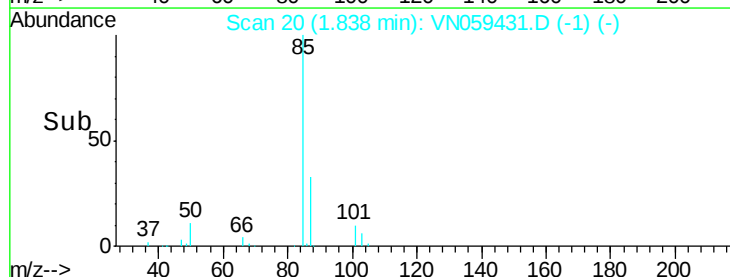
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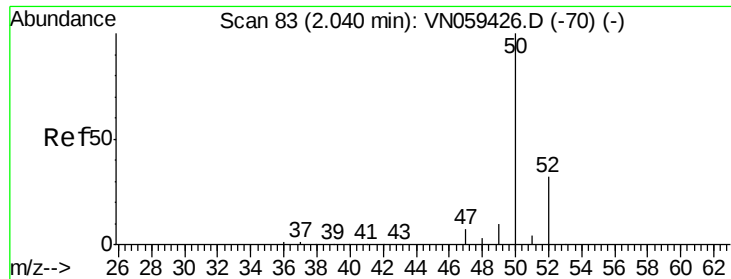
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.552 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

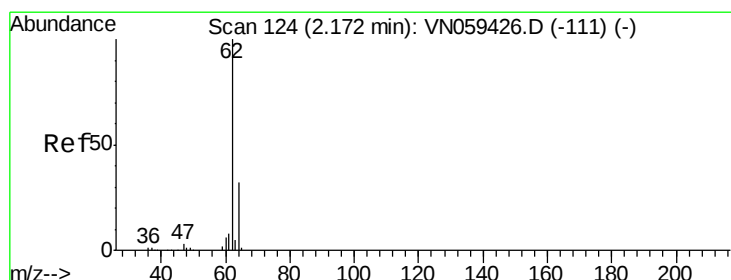
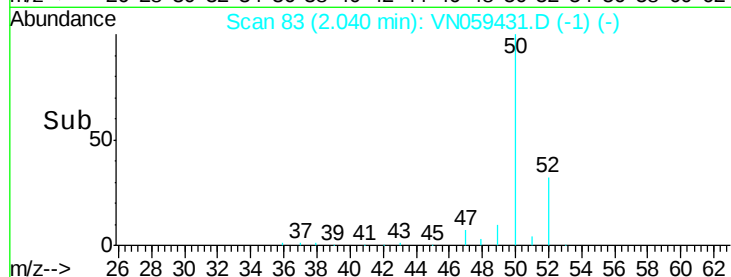
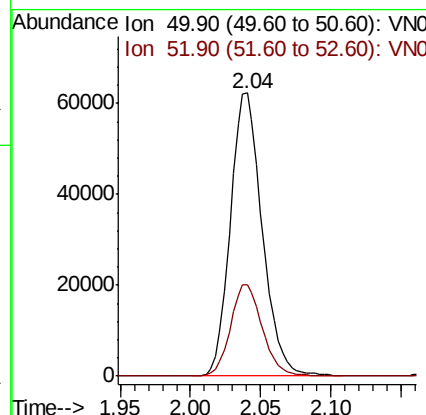
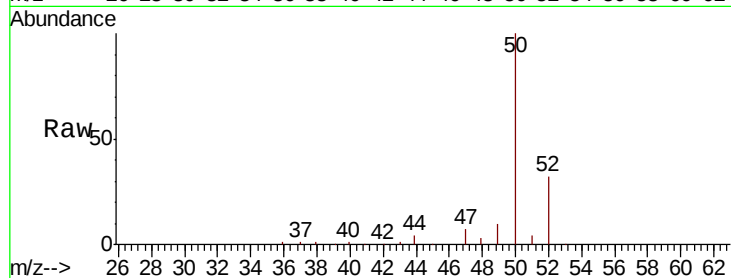
ClientSampled :

Tot Ion: 50 Resp: 98301

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6



#4

Vinyl Chloride

Concen: 19.695 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059431.D

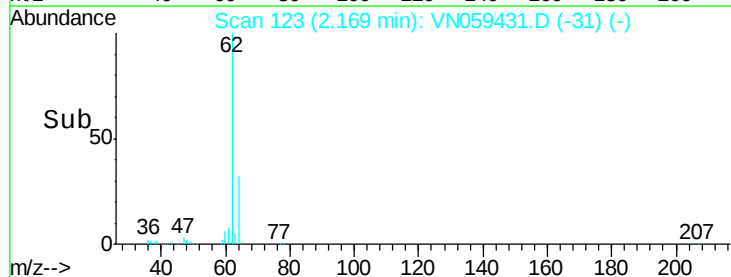
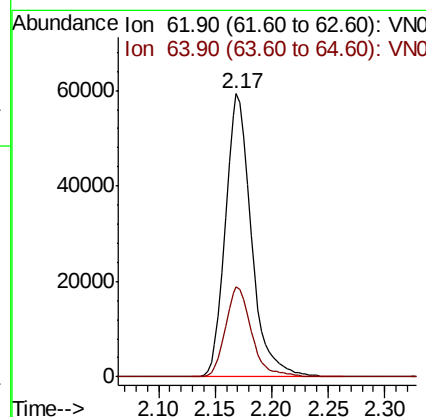
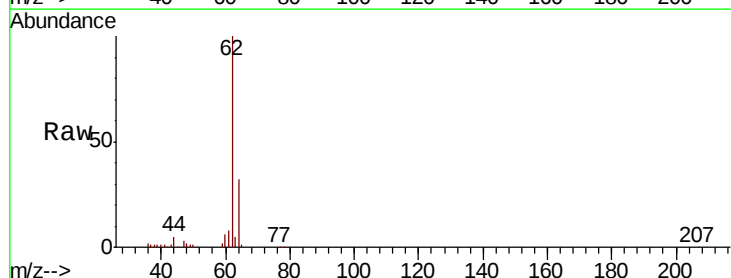
Acq: 27 Nov 2019 19:10

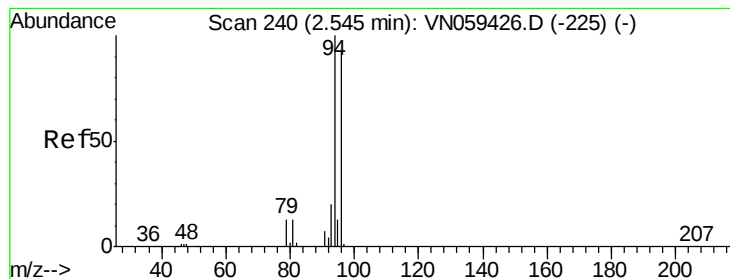
Tgt Ion: 62 Resp: 95154

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8





#5

Bromomethane

Concen: 19.184 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

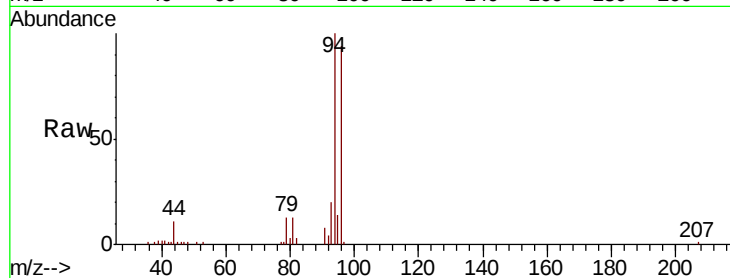
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 55803

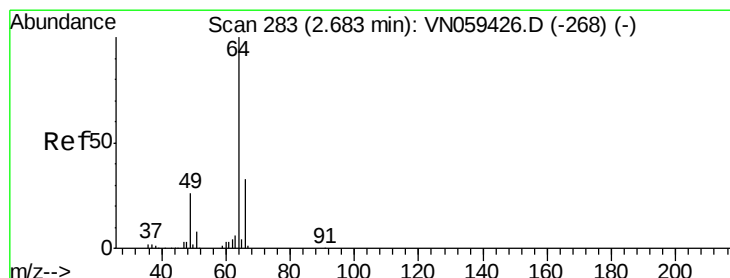
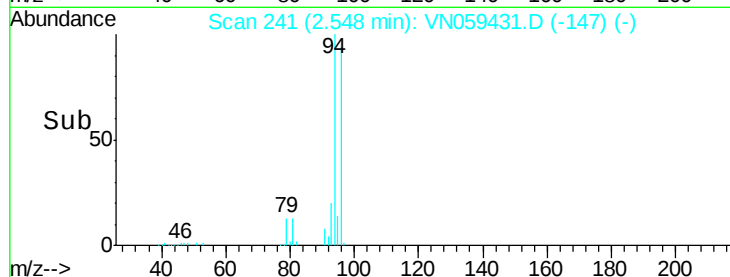
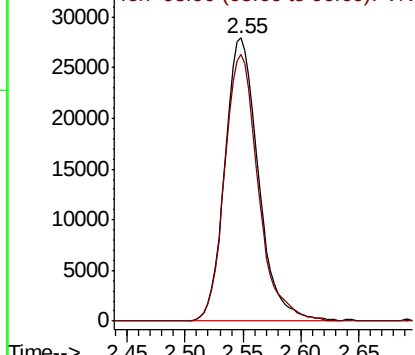
Ion Ratio Lower Upper

94 100

96 94.3 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.995 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059431.D

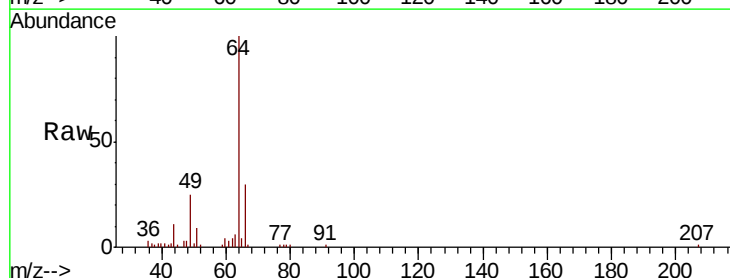
Acq: 27 Nov 2019 19:10

Tgt Ion: 64 Resp: 54162

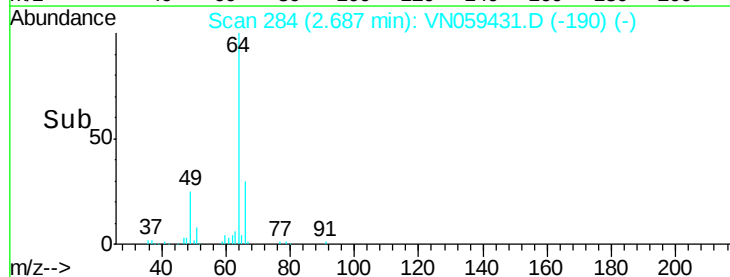
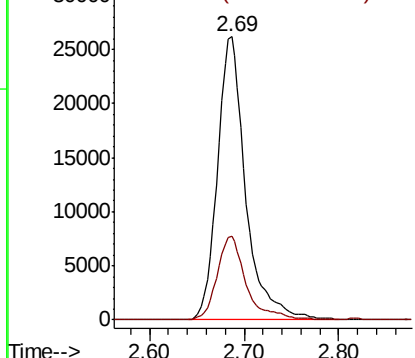
Ion Ratio Lower Upper

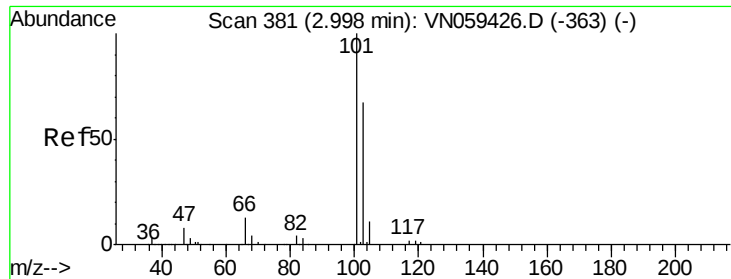
64 100

66 29.7 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



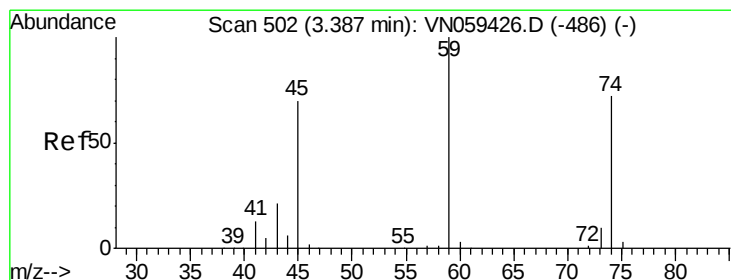
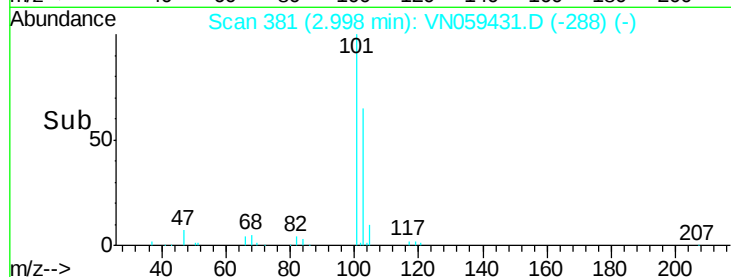
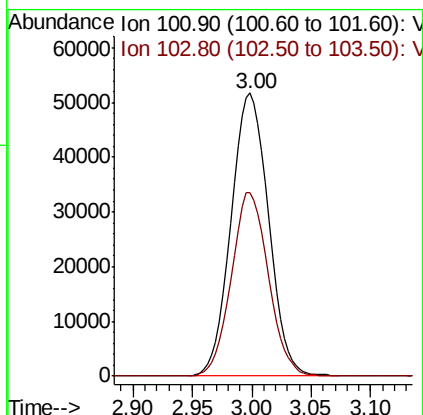
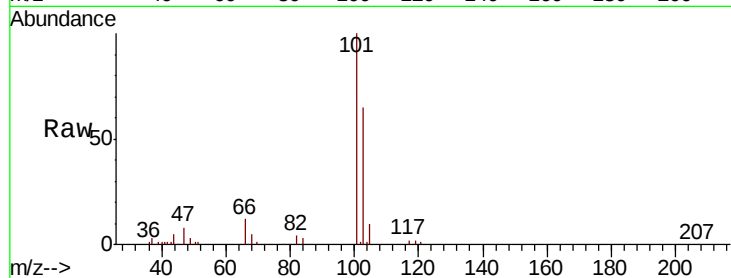


#7

Trichlorofluoromethane
 Concen: 19.602 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

Instrument :
 MSVOA_N
 ClientSampleId :

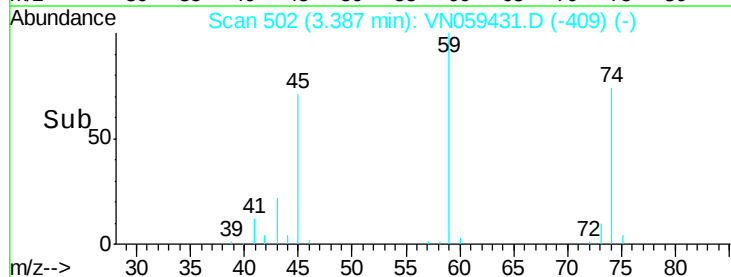
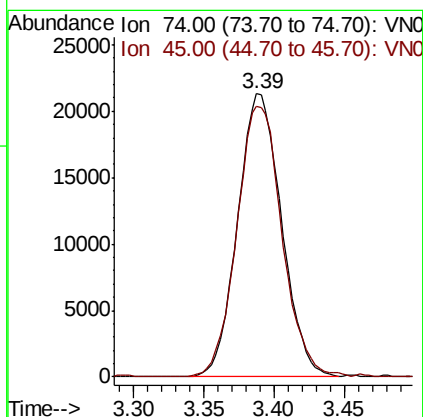
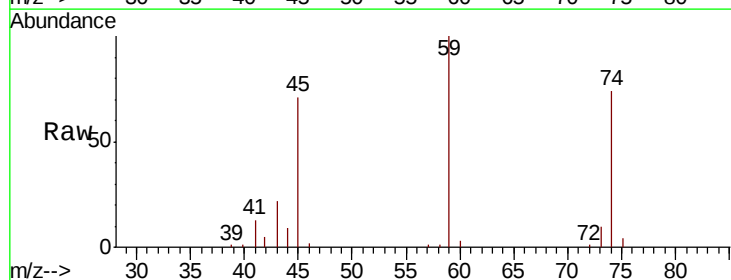
Tot Ion:101 Resp: 112804
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.6 80.4

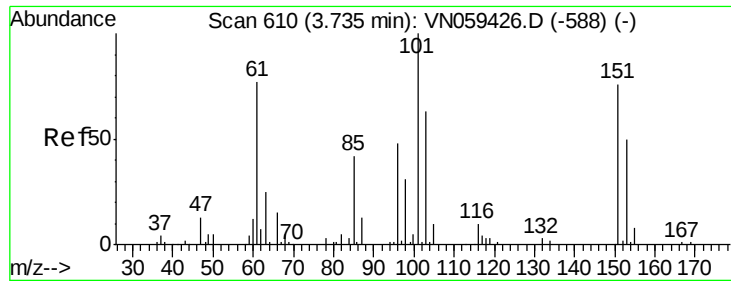


#8

Diethyl Ether
 Concen: 19.830 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

Tgt Ion: 74 Resp: 46442
 Ion Ratio Lower Upper
 74 100
 45 98.7 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.958 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

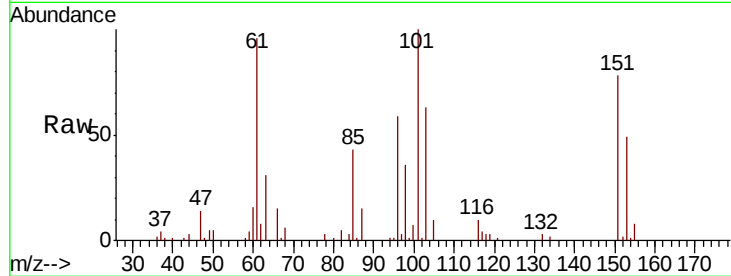
Tot Ion:101 Resp: 67191

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.2

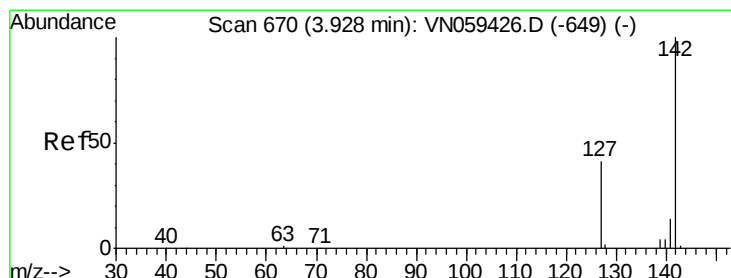
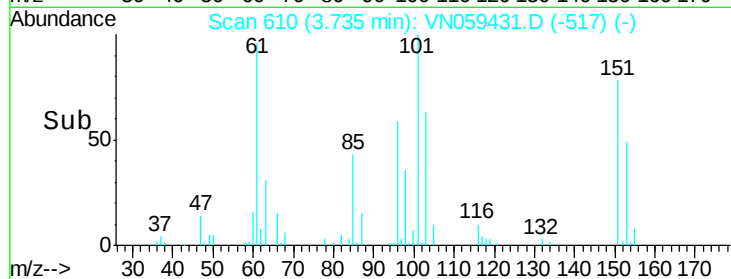
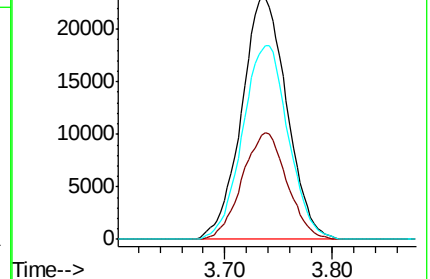
151 80.8 62.6 93.8



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: 19.280 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

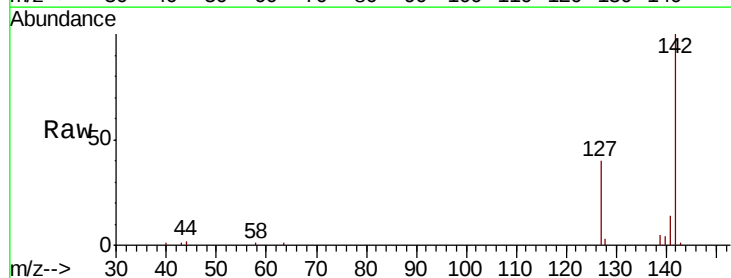
Tgt Ion:142 Resp: 88942

Ion Ratio Lower Upper

142 100

127 40.0 32.6 48.8

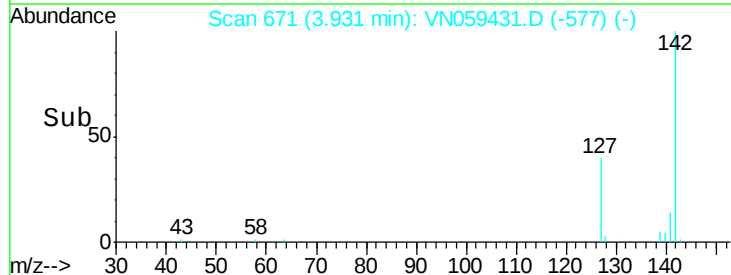
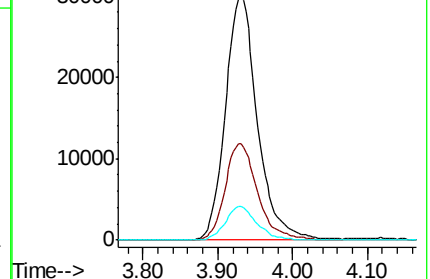
141 13.5 11.1 16.7

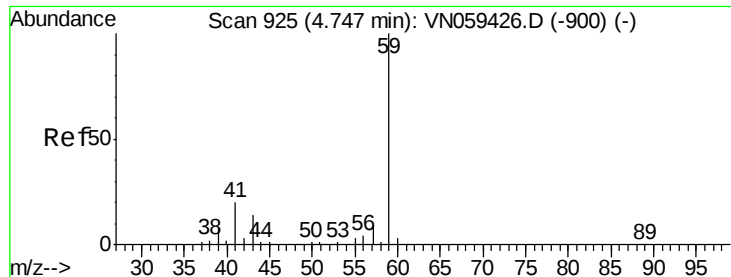


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

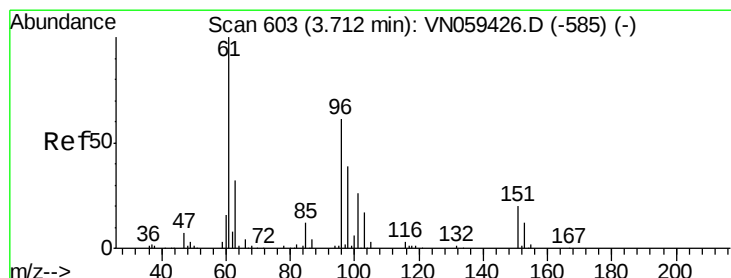
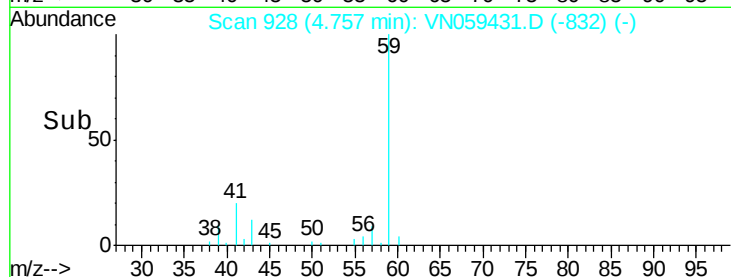
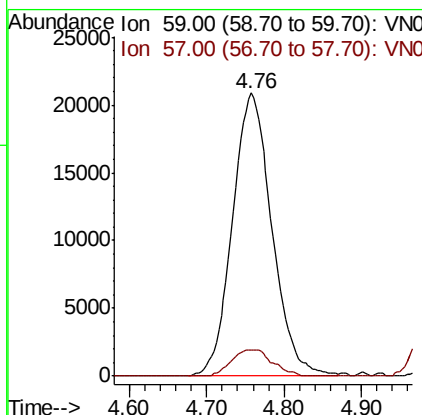
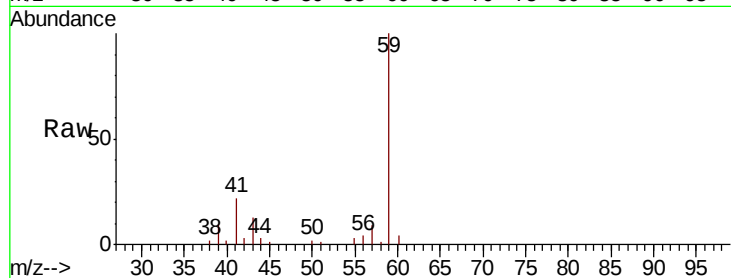




#11
Tert butyl alcohol
Concen: 104.260 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

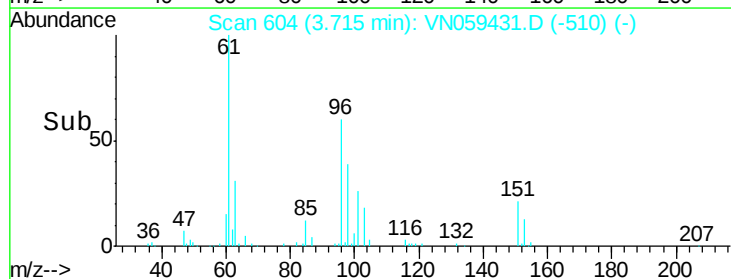
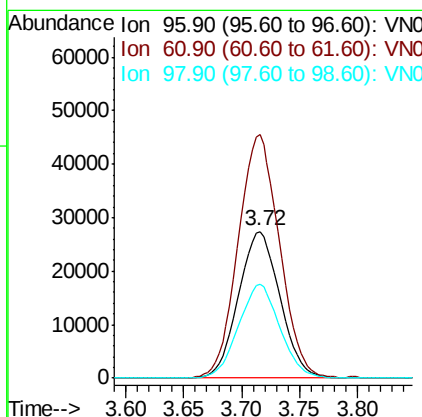
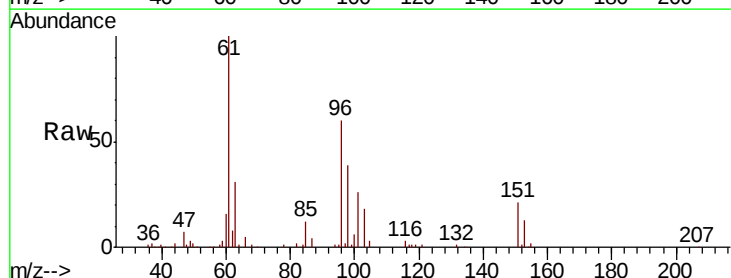
Instrument :
MSVOA_N
ClientSampled :

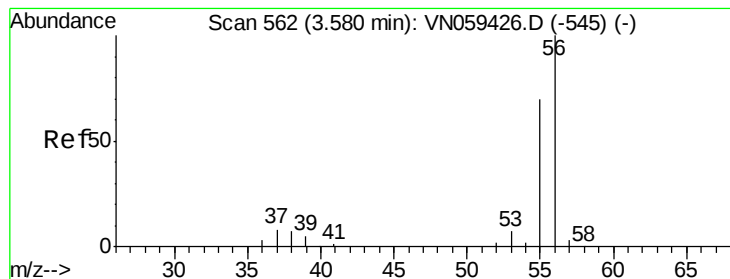
Tot Ion: 59 Resp: 73987
Ion Ratio Lower Upper
59 100
57 5.3 3.8 5.8



#12
1,1-Dichloroethene
Concen: 19.668 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion: 96 Resp: 68265
Ion Ratio Lower Upper
96 100
61 166.1 130.5 195.7
98 64.2 51.3 76.9





#13

Acrolein

Concen: 78.403 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

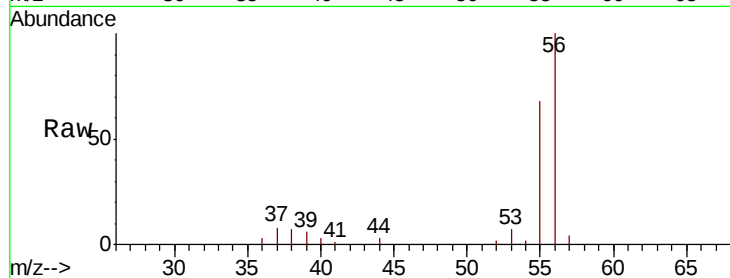
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 54312

Ion Ratio Lower Upper

56 100

55 68.8 57.8 86.6



Abundance Ion 56.00 (55.70 to 56.70): VN059431.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN059431.D (-469) (-)

3.58

25000

20000

15000

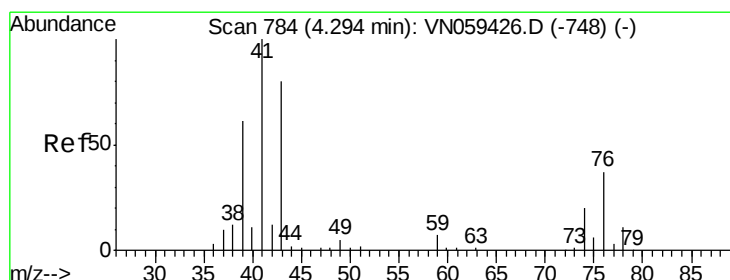
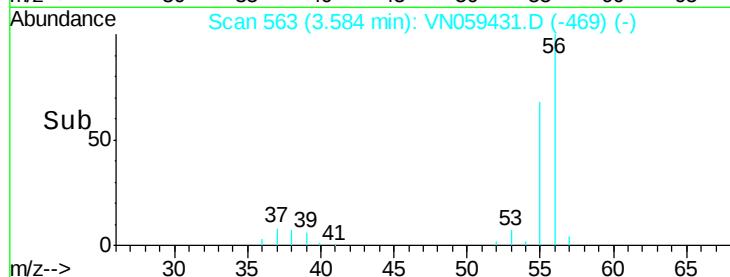
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 19.228 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

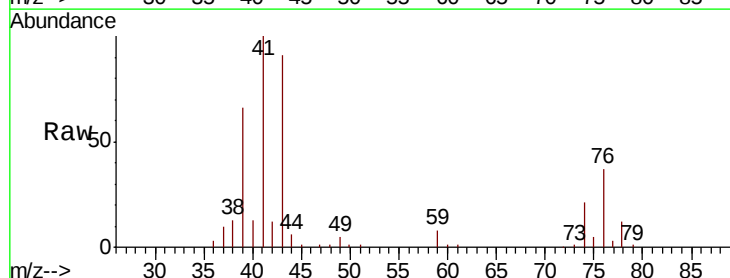
Tgt Ion: 41 Resp: 123776

Ion Ratio Lower Upper

41 100

39 60.1 46.5 69.7

76 33.7 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VN059431.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN059431.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN059431.D (-691) (-)

4.30

50000

40000

30000

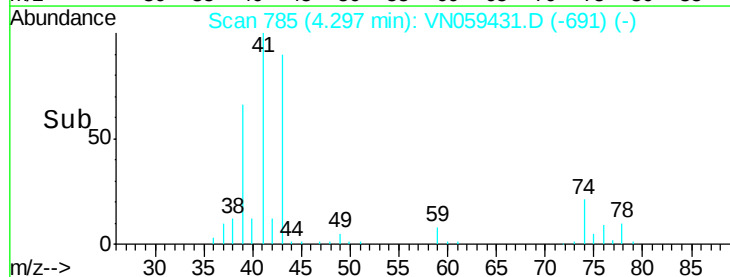
20000

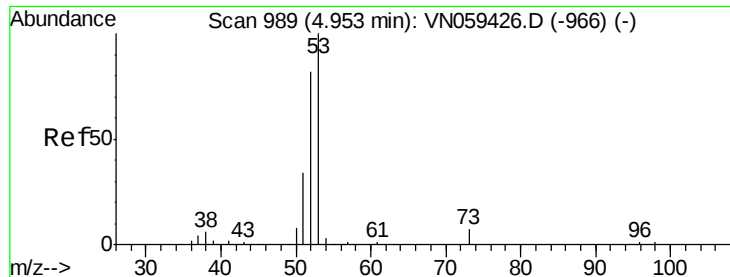
10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 102.775 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :
MSVOA_N
ClientSampleId :

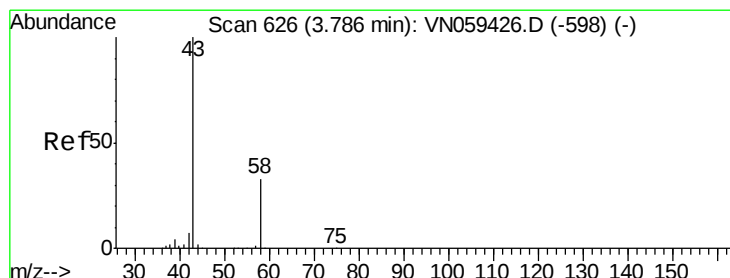
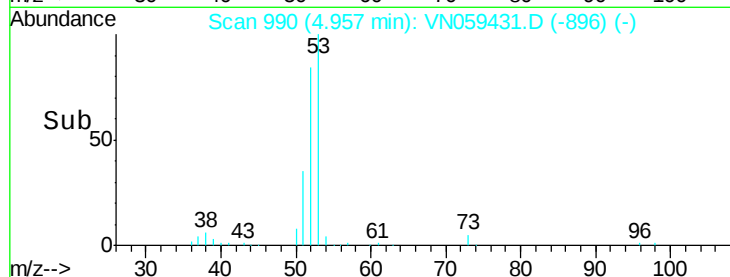
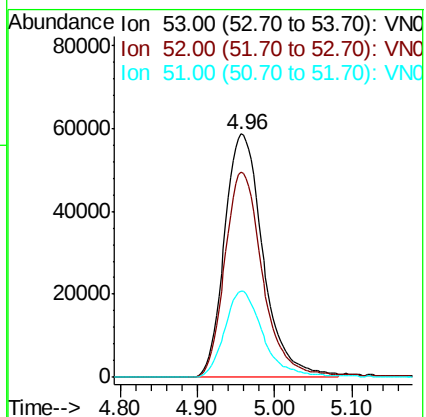
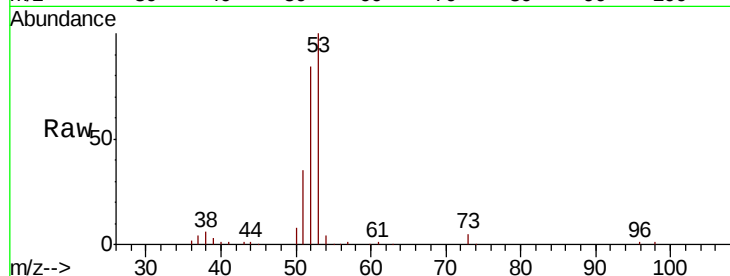
Tot Ion: 53 Resp: 203230

Ion Ratio Lower Upper

53 100

52 83.2 65.1 97.7

51 35.4 27.8 41.8



#16

Acetone

Concen: 115.032 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059431.D

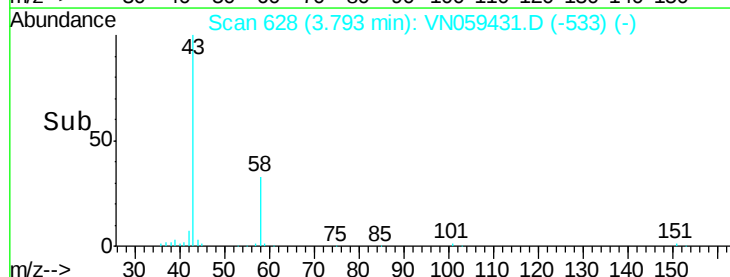
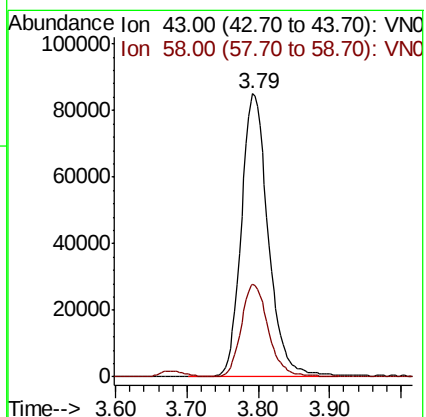
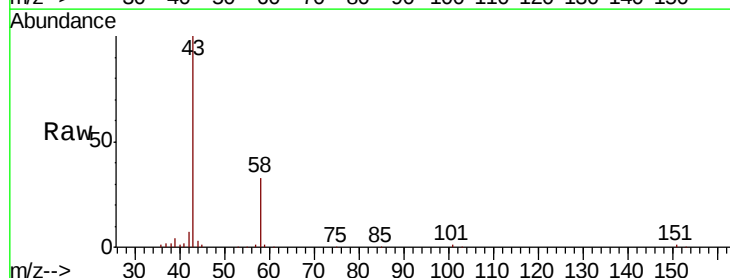
Acq: 27 Nov 2019 19:10

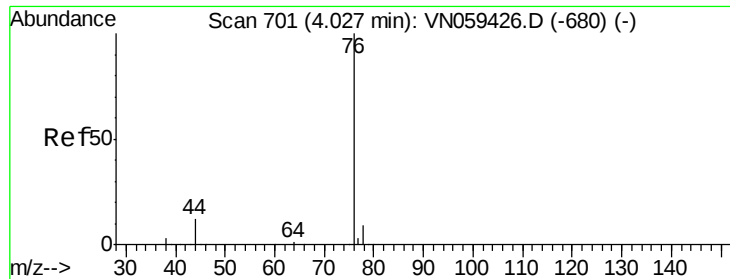
Tgt Ion: 43 Resp: 224488

Ion Ratio Lower Upper

43 100

58 32.5 26.6 39.8

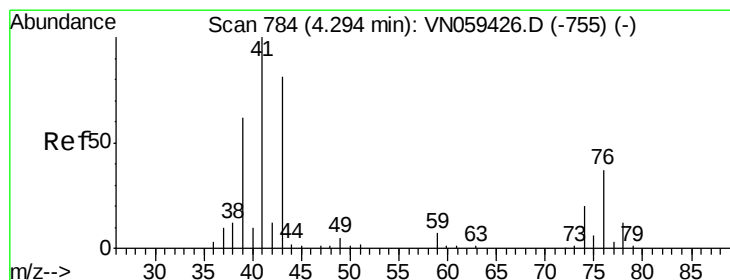
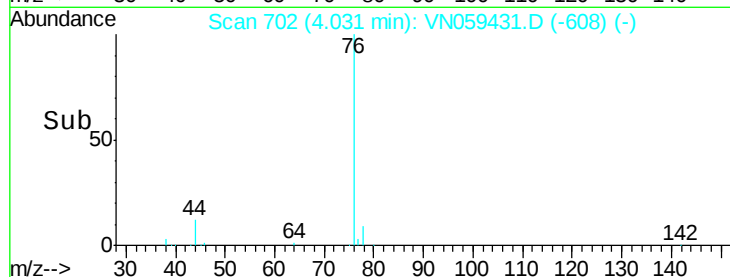
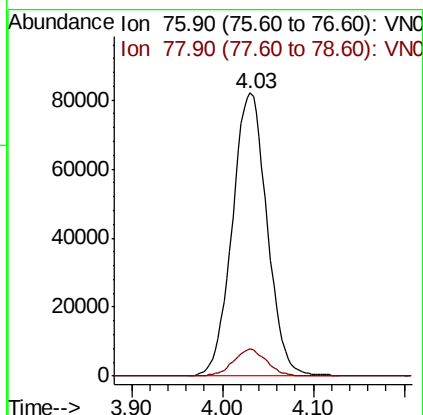
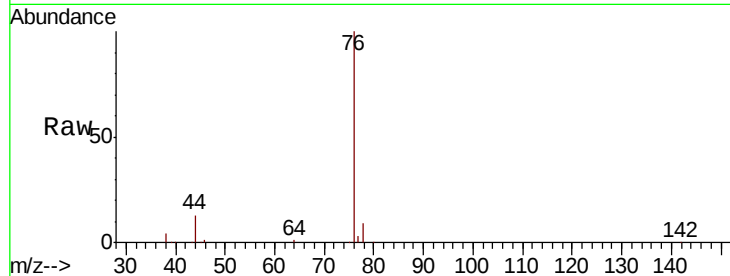




#17
Carbon Disulfide
Concen: 18.290 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

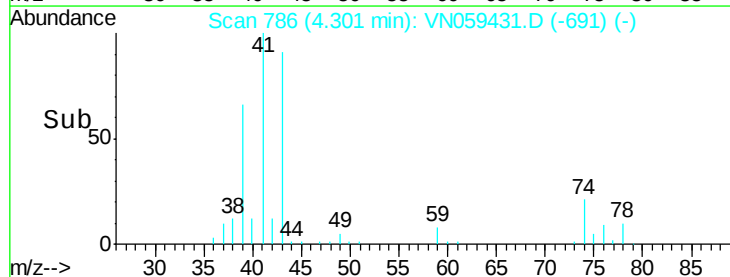
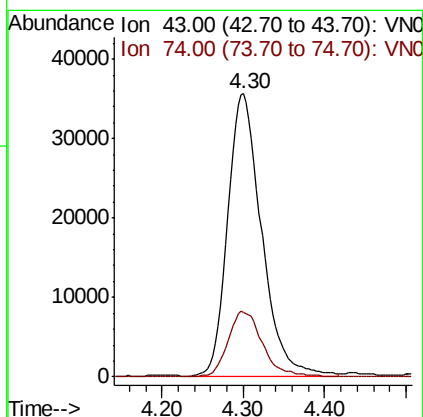
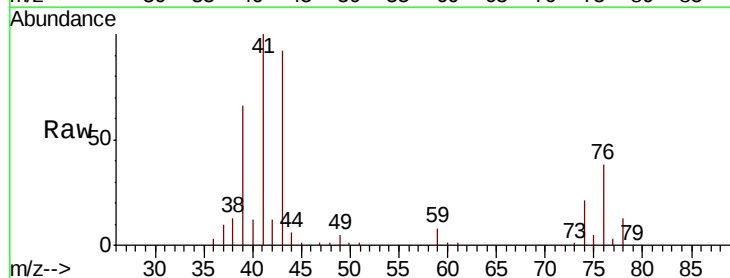
Instrument :
MSVOA_N
ClientSampleId :

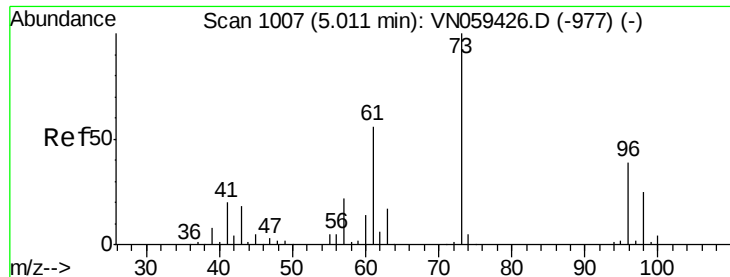
Tot Ion: 76 Resp: 217854
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 19.617 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion: 43 Resp: 104250
Ion Ratio Lower Upper
43 100
74 23.4 18.6 28.0

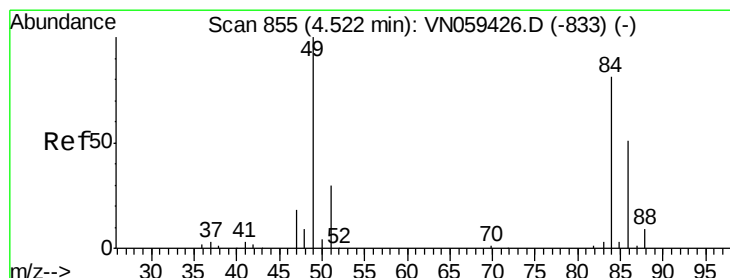
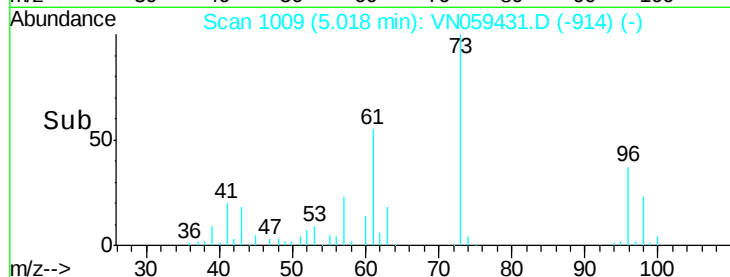
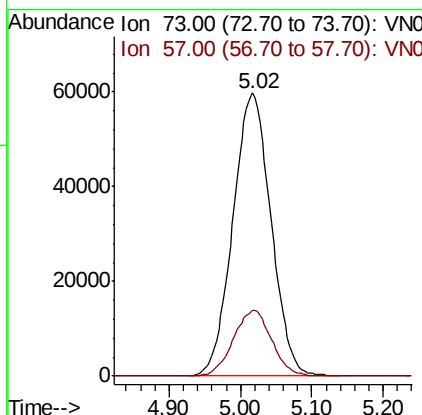
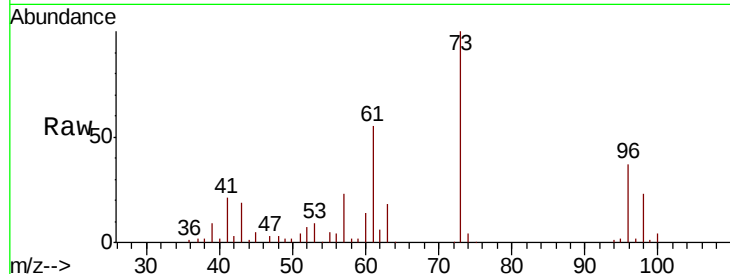




#19
Methvl tert-butvl Ether
Concen: 19.855 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

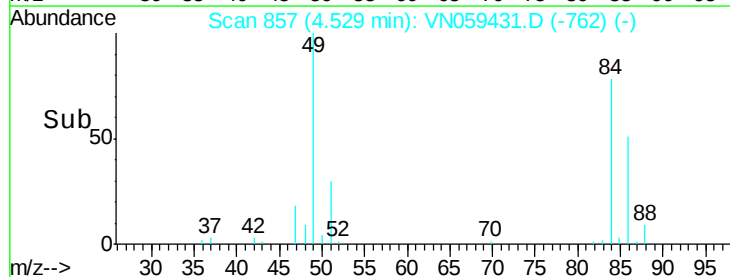
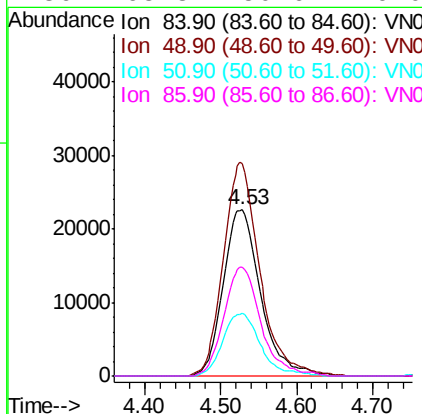
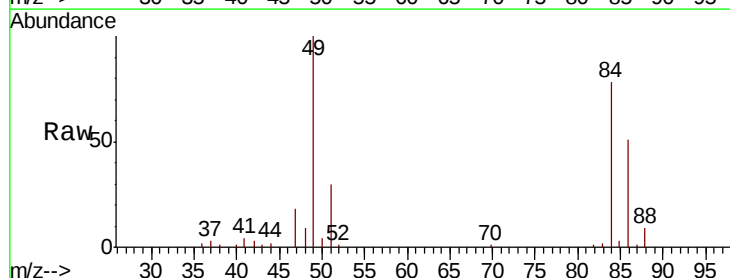
Instrument :
MSVOA_N
ClientSampleId :

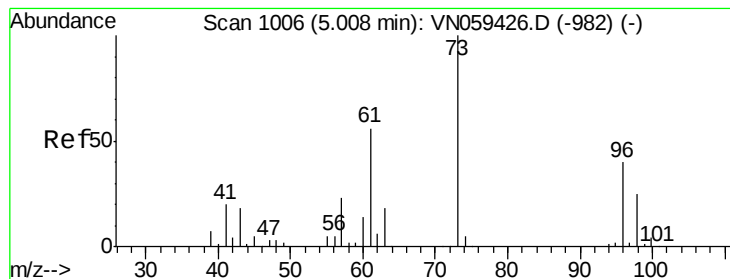
Tot Ion: 73 Resp: 222069
Ion Ratio Lower Upper
73 100
57 23.3 17.7 26.5



#20
Methylene Chloride
Concen: 19.522 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion: 84 Resp: 77412
Ion Ratio Lower Upper
84 100
49 128.0 98.6 148.0
51 37.9 29.4 44.0
86 65.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.280 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.01 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :
MSVOA_N
ClientSampled :

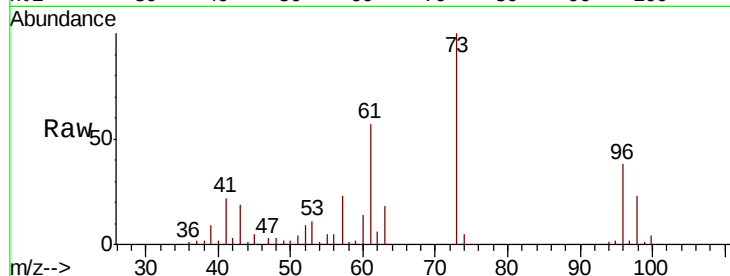
Tot Ion: 96 Resp: 72911

Ion Ratio Lower Upper

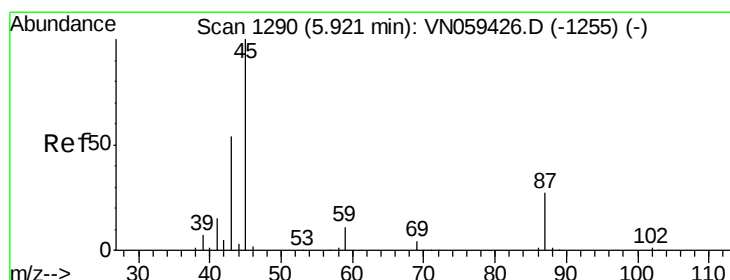
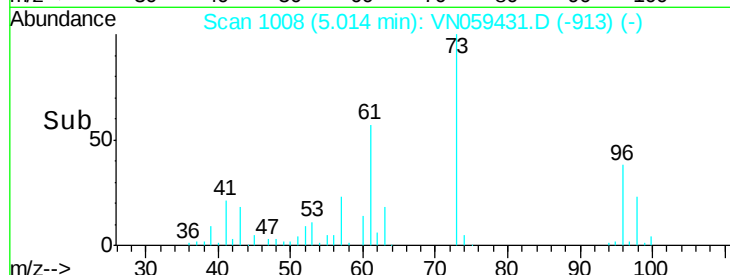
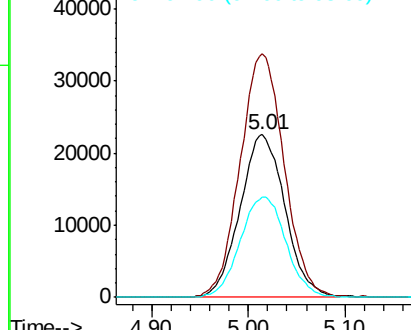
96 100

61 149.7 114.0 171.0

98 61.7 50.5 75.7



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



#22

Diisopropyl ether

Concen: 20.174 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Tgt Ion: 45 Resp: 241333

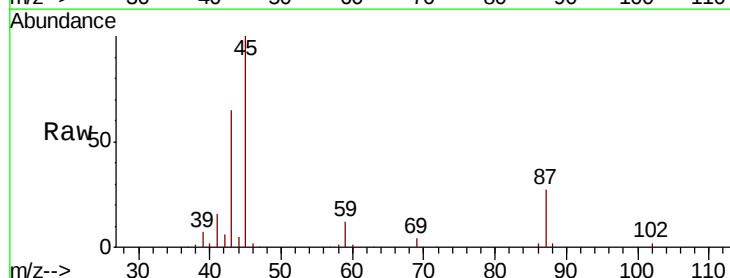
Ion Ratio Lower Upper

45 100

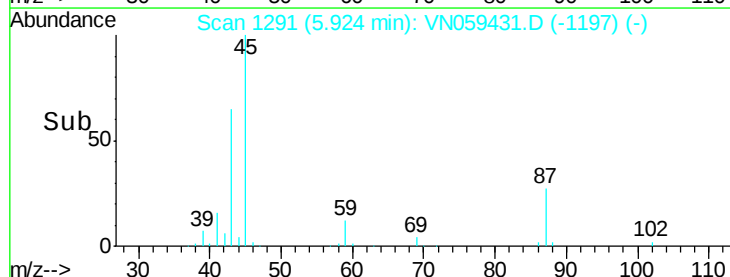
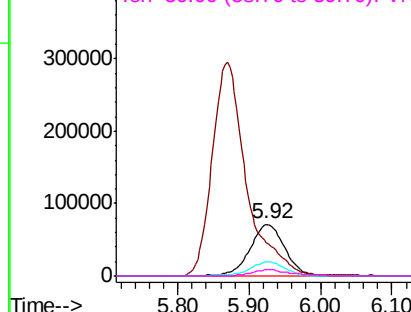
43 63.1 46.3 69.5

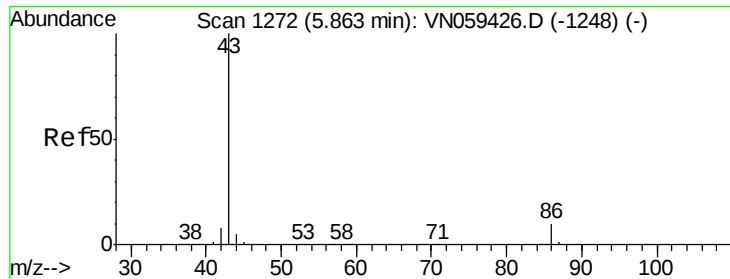
87 27.2 21.8 32.6

59 11.3 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

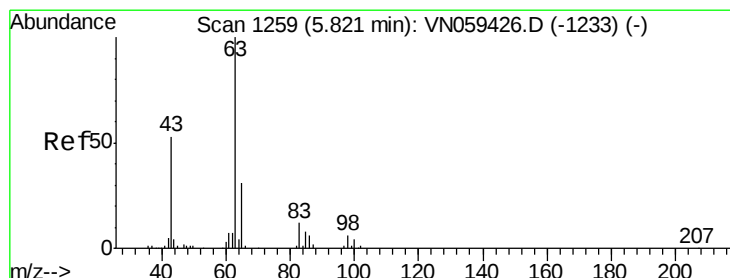
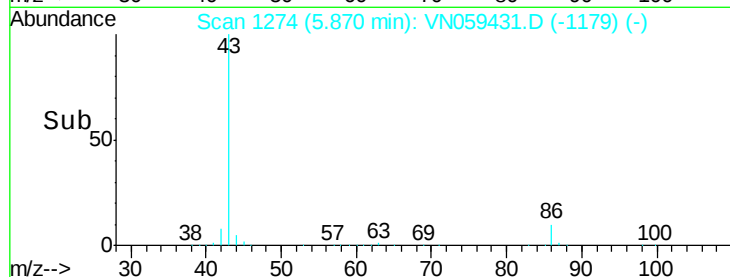
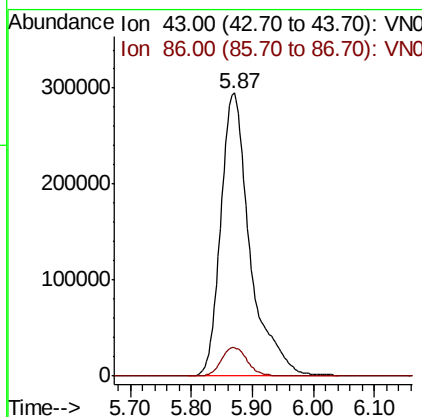
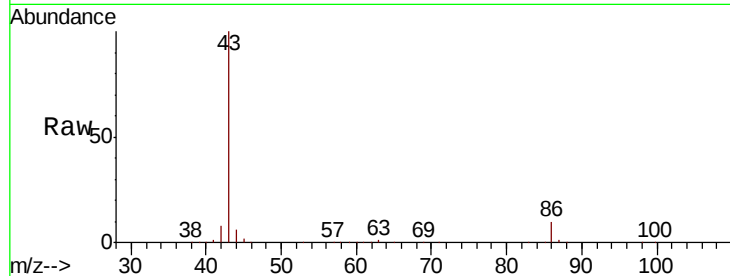




#23
 Vinyl Acetate
 Concen: 101.992 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

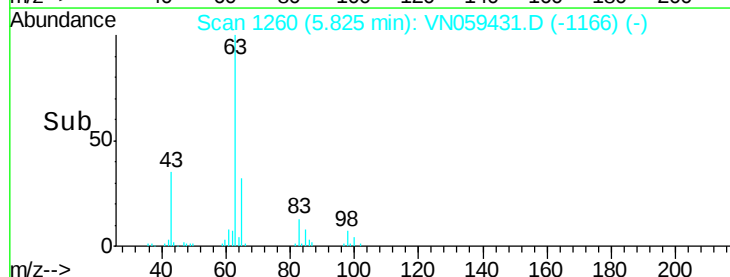
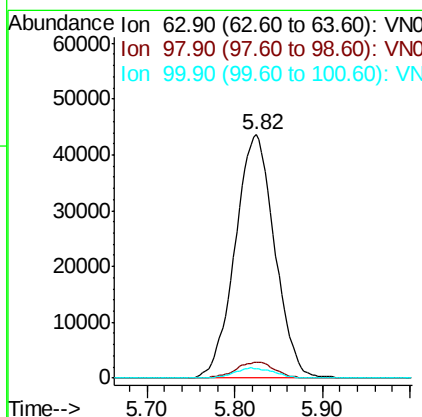
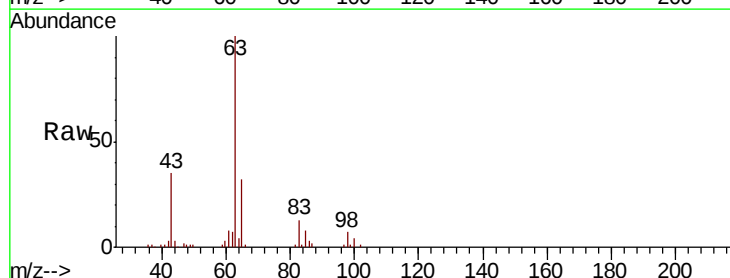
Instrument :
 MSVOA_N
 ClientSampleId :

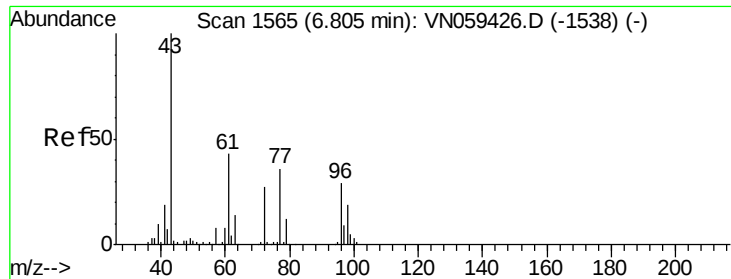
Tot Ion: 43 Resp: 984327
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 19.872 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

Tgt Ion: 63 Resp: 136777
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.2 9.6
 100 3.7 2.1 6.3

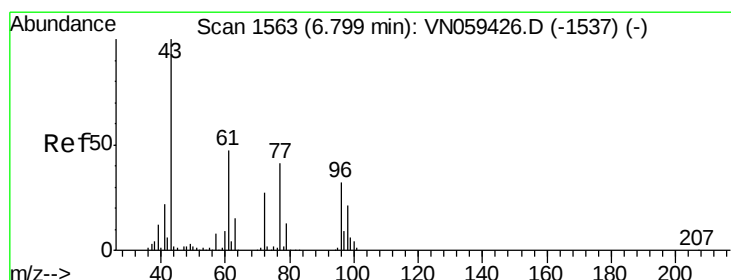
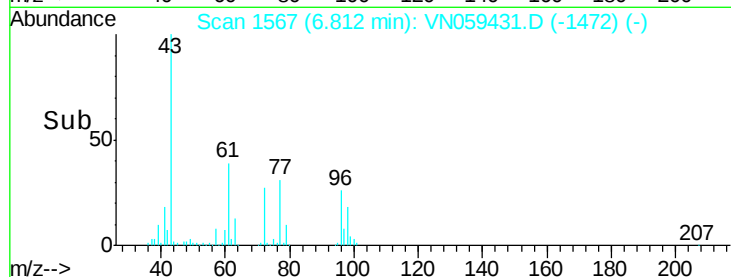
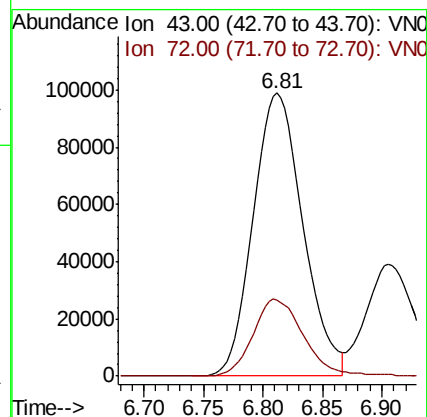
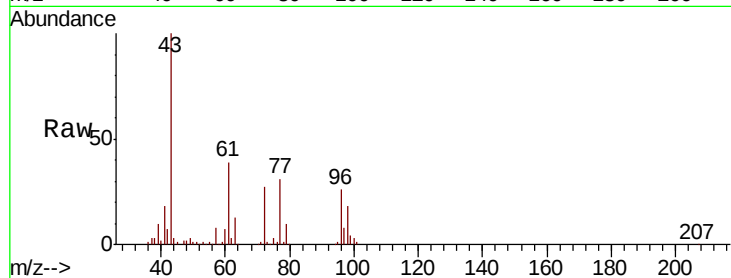




#25
2-Butanone
Concen: 106.369 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

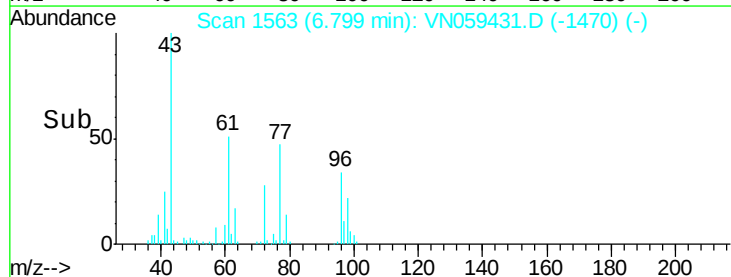
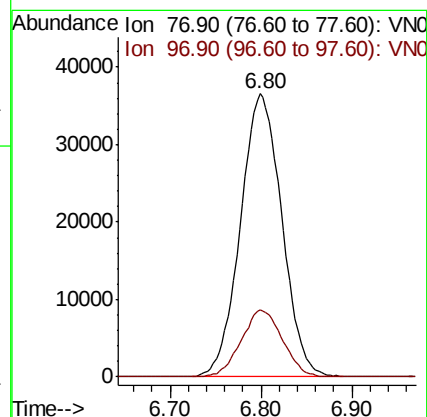
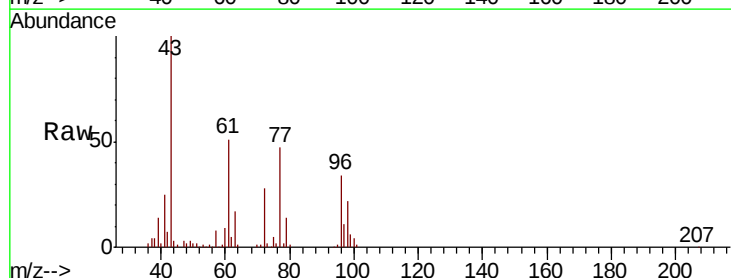
Instrument :
MSVOA_N
ClientSampled :

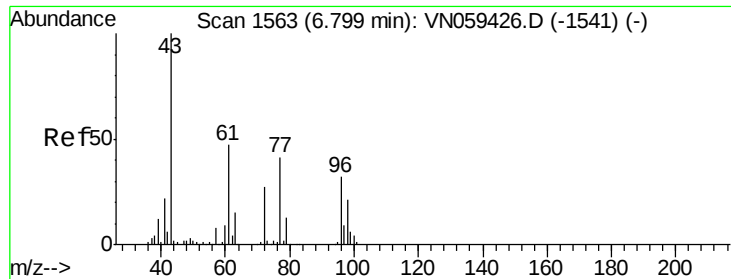
Tot Ion: 43 Resp: 285568
Ion Ratio Lower Upper
43 100
72 27.1 21.4 32.2



#26
2,2-Dichloropropane
Concen: 19.688 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion: 77 Resp: 115324
Ion Ratio Lower Upper
77 100
97 23.5 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 19.470 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :
MSVOA_N
ClientSampled :

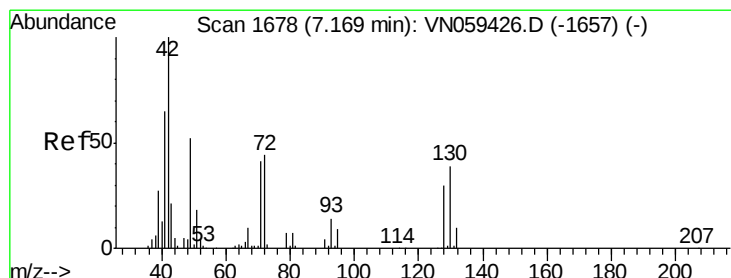
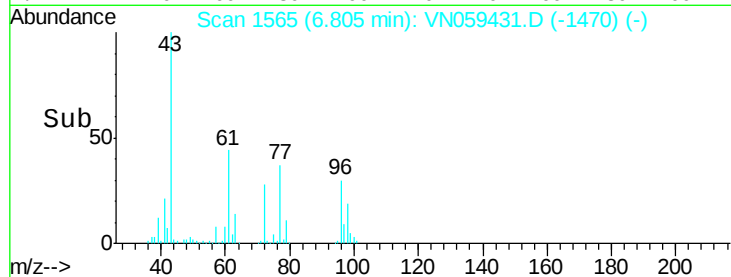
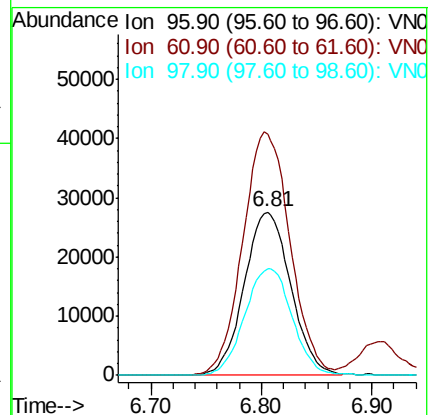
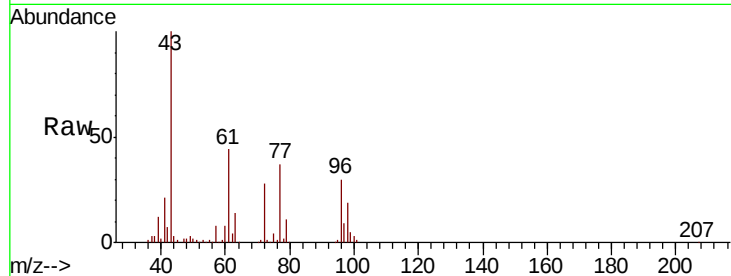
Tot Ion: 96 Resp: 80526

Ion Ratio Lower Upper

96 100

61 152.2 0.0 297.6

98 66.8 0.0 130.8



#28

Bromochloromethane

Concen: 18.992 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

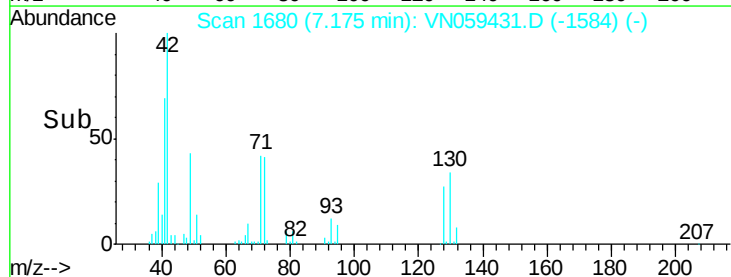
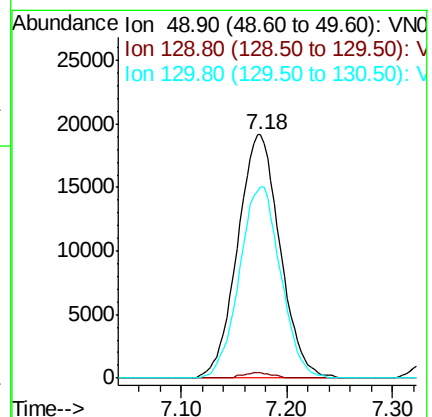
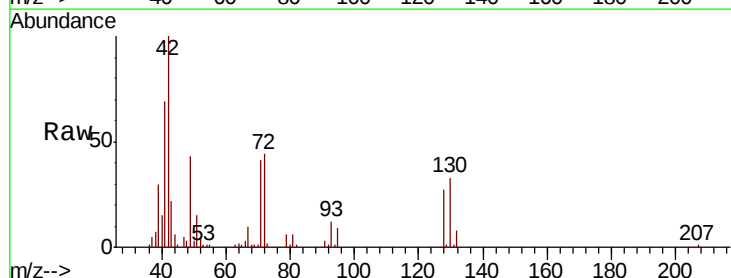
Tgt Ion: 49 Resp: 53517

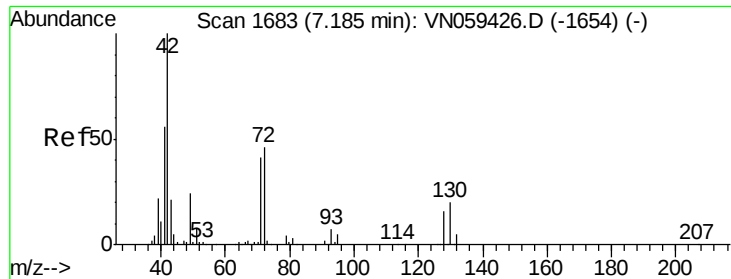
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.6

130 76.3 60.5 90.7

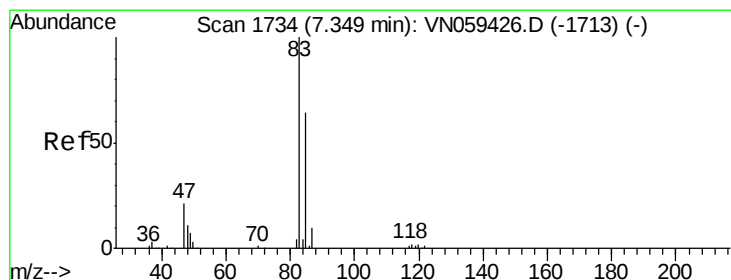
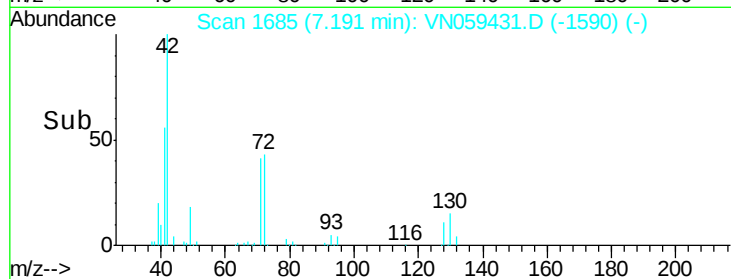
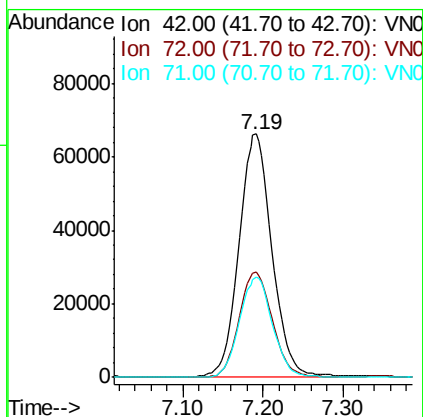
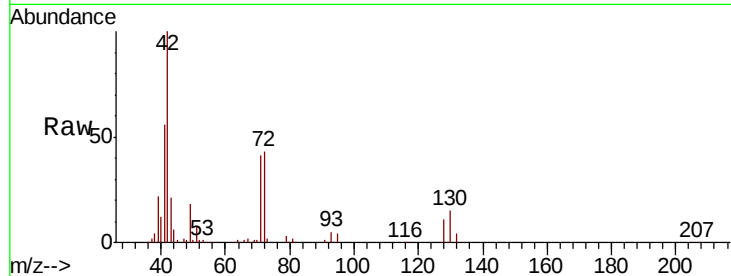




#29
Tetrahydrofuran
Concen: 103.658 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

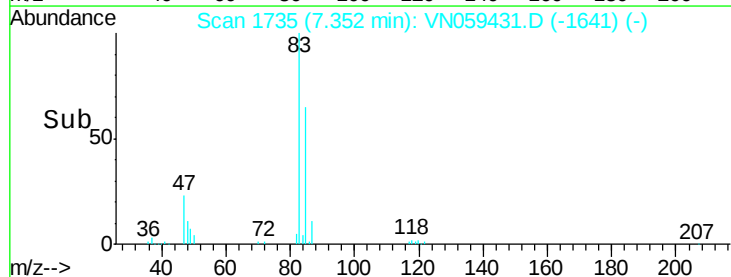
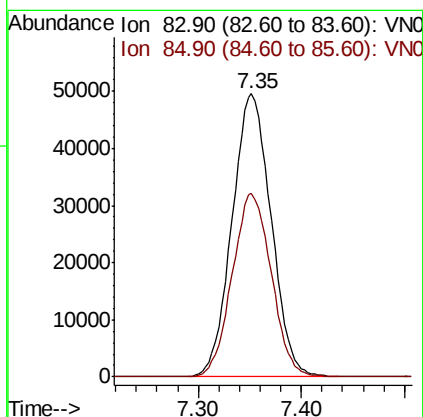
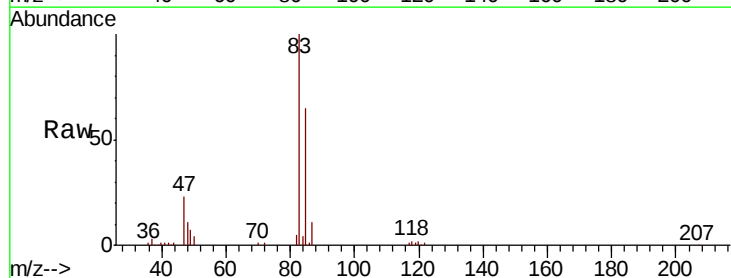
Instrument :
MSVOA_N
ClientSampled :

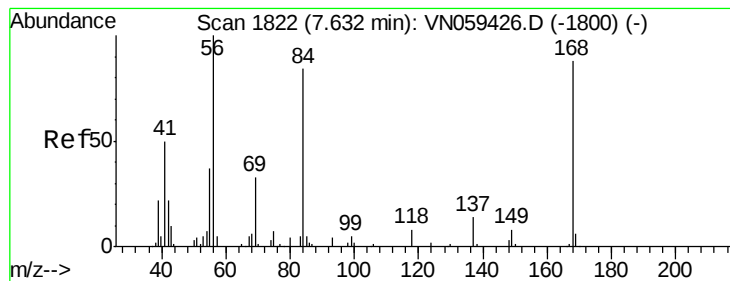
Tot Ion: 42 Resp: 185084
Ion Ratio Lower Upper
42 100
72 43.6 34.6 51.8
71 41.2 33.0 49.6



#30
Chloroform
Concen: 18.859 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion: 83 Resp: 130622
Ion Ratio Lower Upper
83 100
85 64.7 51.6 77.4





#31

Cyclohexane

Concen: 18.736 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :
MSVOA_N
ClientSampleId :

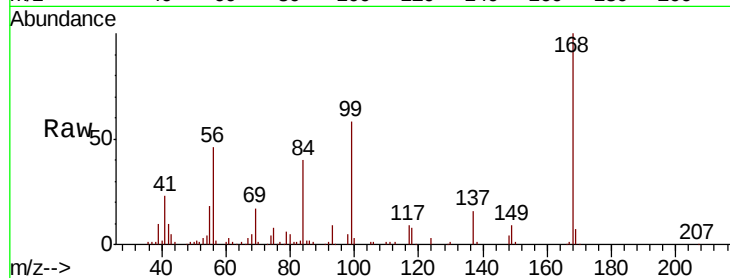
Tot Ion: 56 Resp: 129277

Ion Ratio Lower Upper

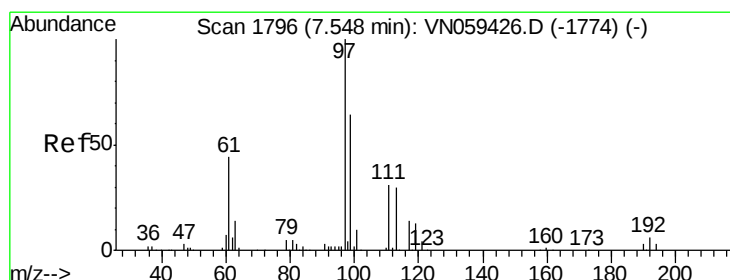
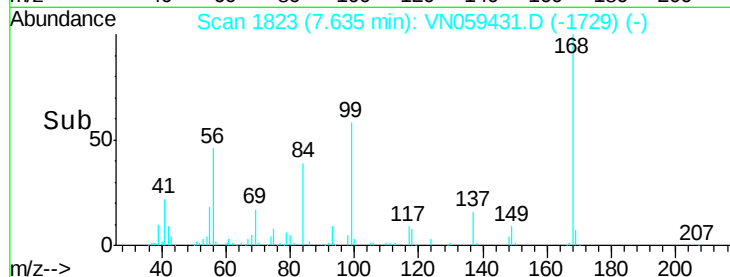
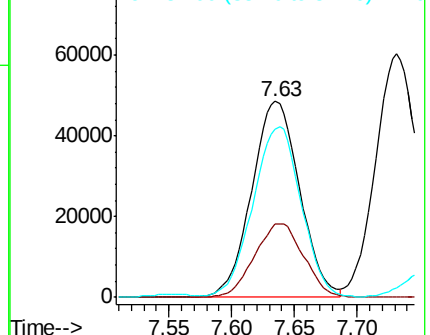
56 100

69 37.2 26.4 39.6

84 85.1 67.0 100.6



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



#32

1,1,1-Trichloroethane

Concen: 19.834 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

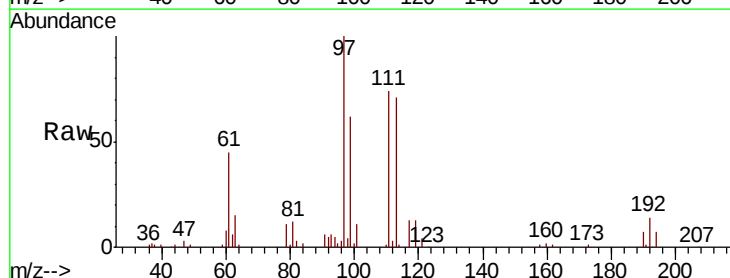
Tgt Ion: 97 Resp: 112340

Ion Ratio Lower Upper

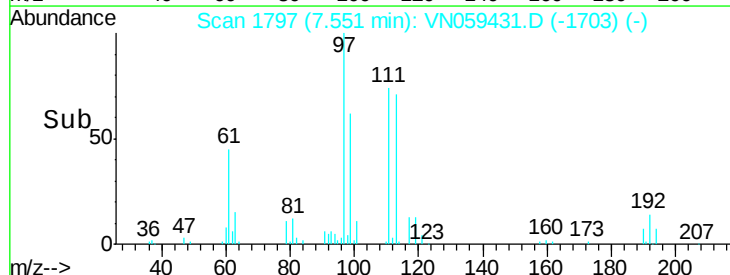
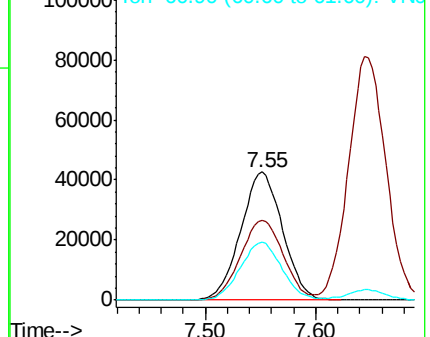
97 100

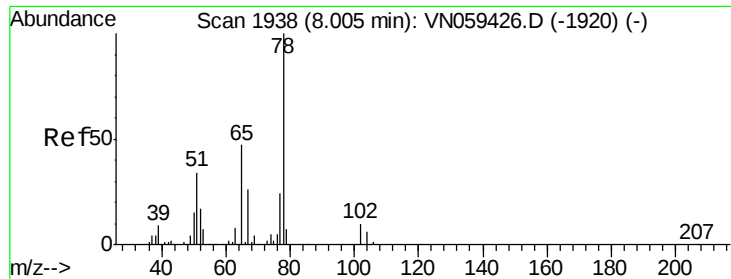
99 63.5 50.9 76.3

61 44.9 34.3 51.5



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

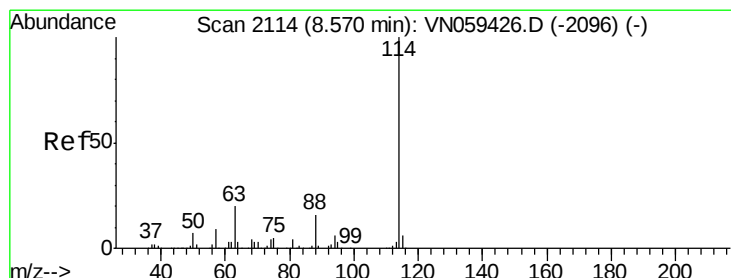
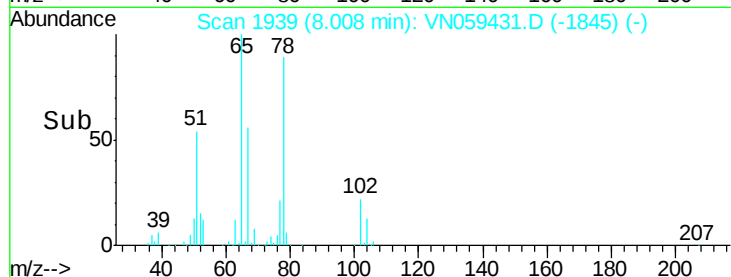
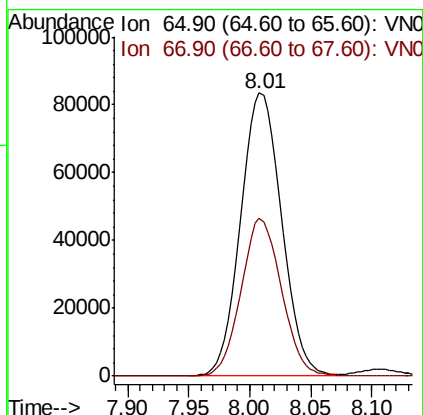
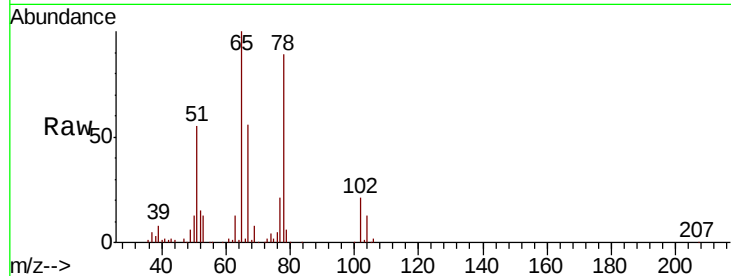




#33
 1,2-Dichloroethane-d4
 Concen: 47.513 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

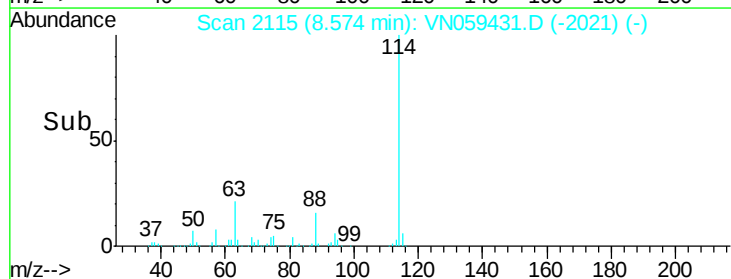
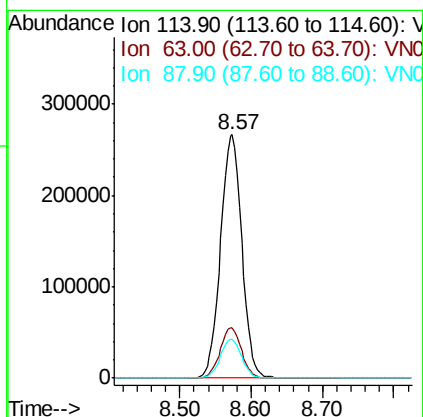
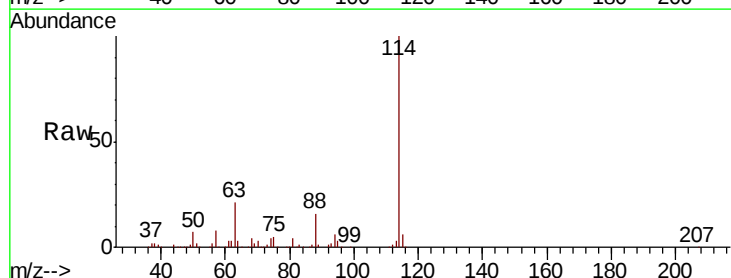
Instrument :
 MSVOA_N
 ClientSampleId :

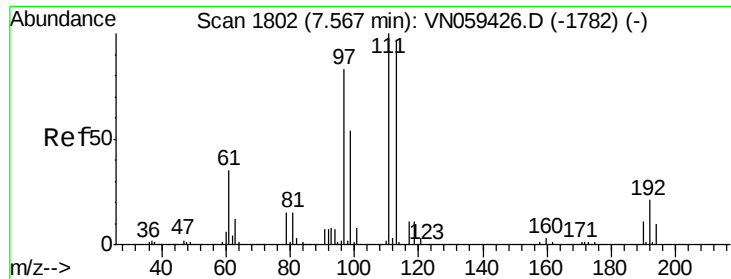
Tot Ion: 65 Resp: 194632
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

Tgt Ion: 114 Resp: 551071
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.4
 88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.636 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

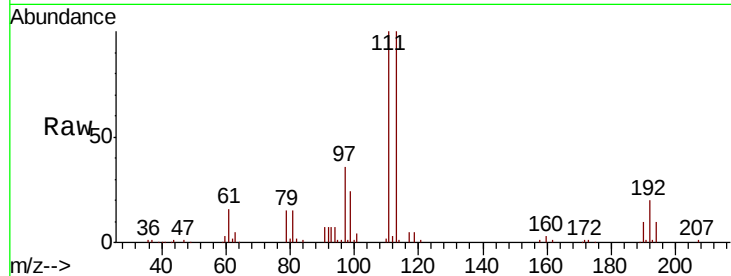
Tot Ion:113 Resp: 159900

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

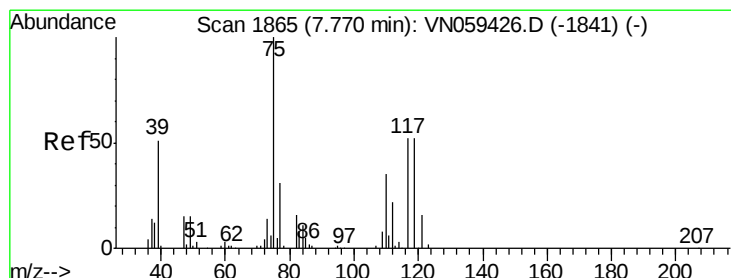
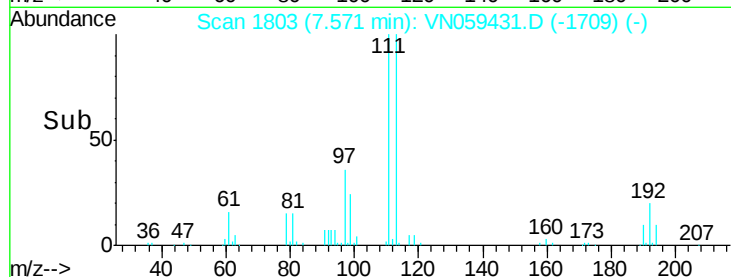
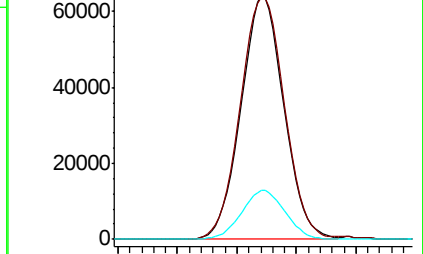
192 20.4 16.6 24.8



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: 19.506 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.01 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

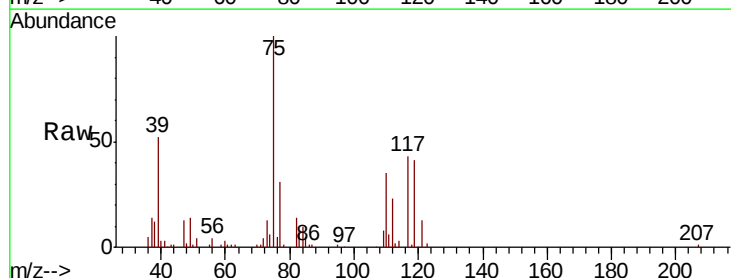
Tgt Ion: 75 Resp: 103369

Ion Ratio Lower Upper

75 100

110 34.2 17.3 52.0

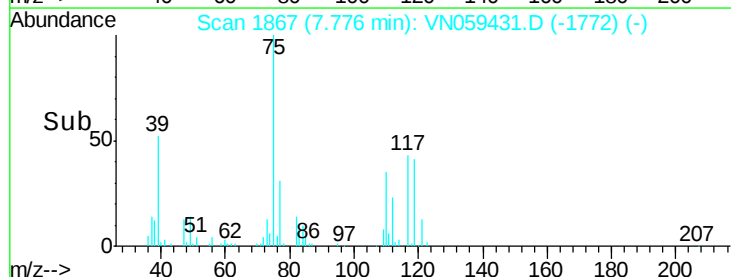
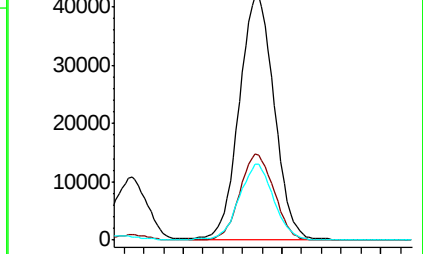
77 30.7 24.9 37.3

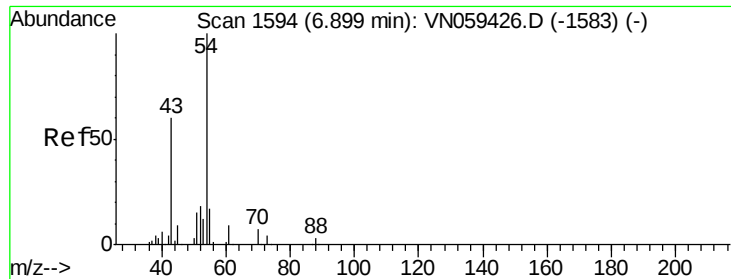


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

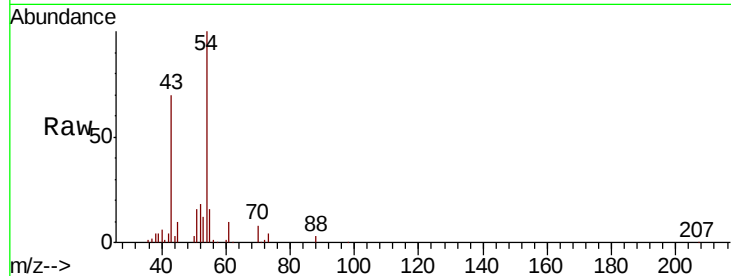




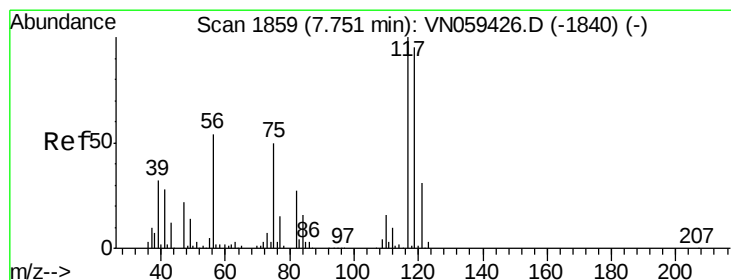
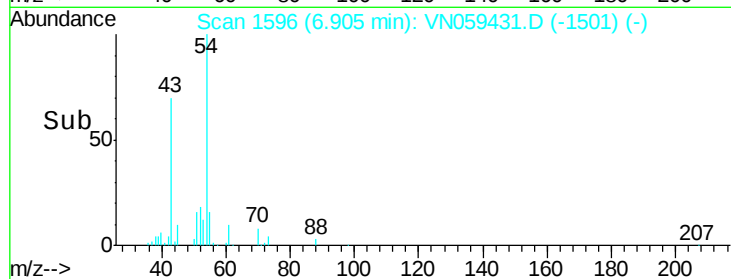
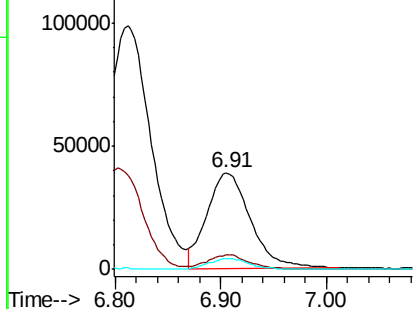
#37
Ethyl Acetate
Concen: 19.728 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 110609
Ion Ratio Lower Upper
43 100
61 14.6 12.2 18.2
70 10.9 8.8 13.2

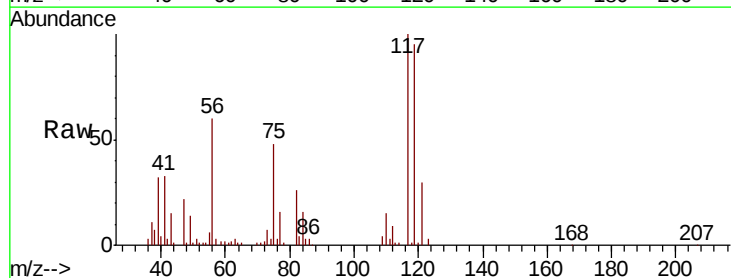


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

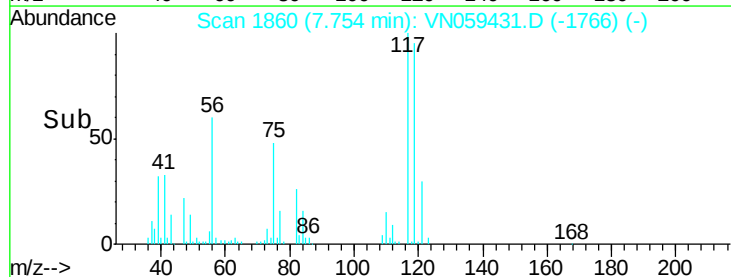
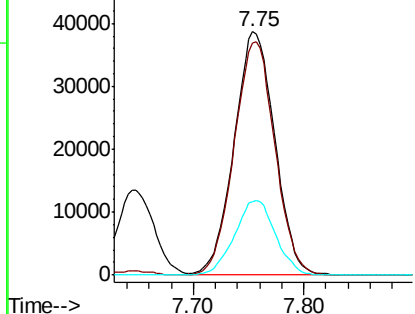


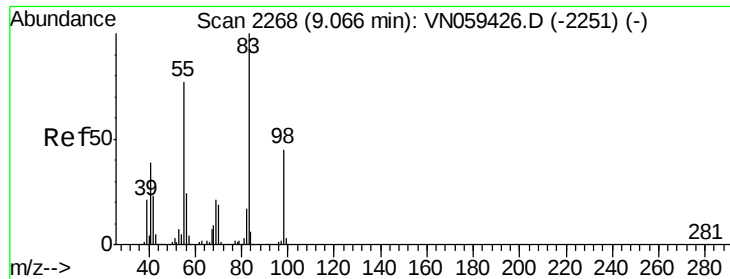
#38
Carbon Tetrachloride
Concen: 19.782 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion: 117 Resp: 98933
Ion Ratio Lower Upper
117 100
119 95.2 75.9 113.9
121 30.4 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

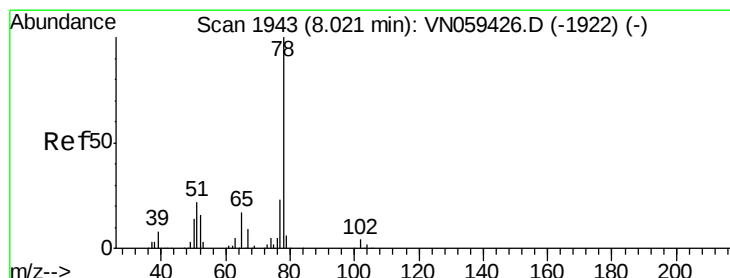
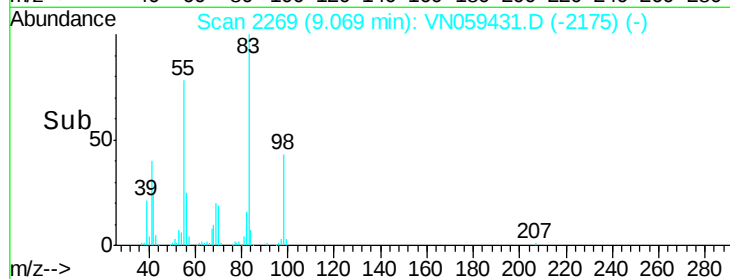
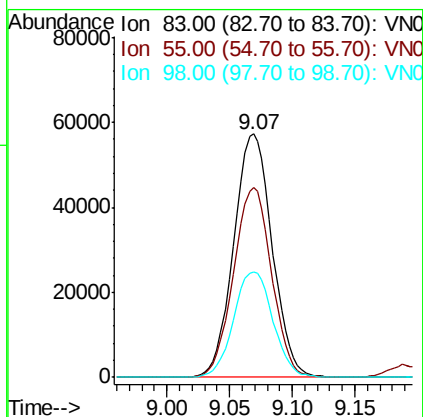
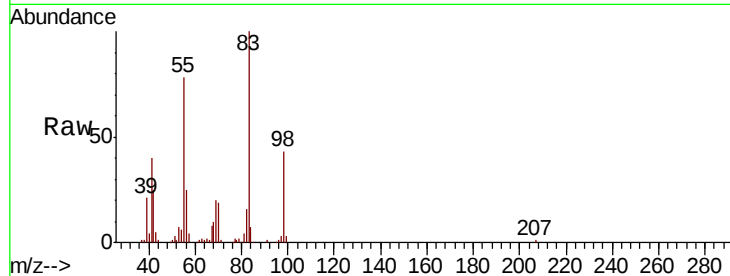




#39
Methvlcvclohexane
Concen: 19.285 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

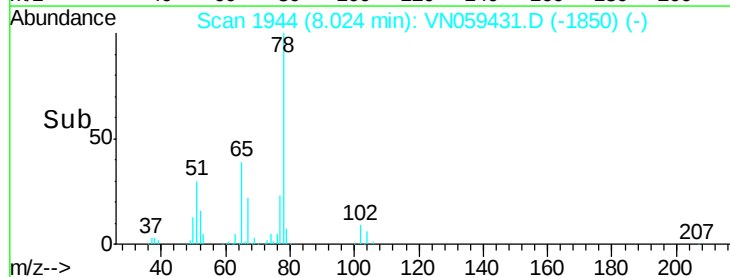
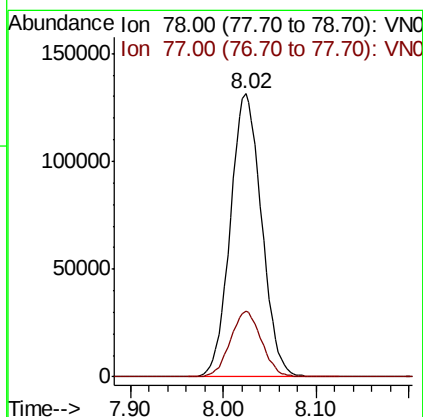
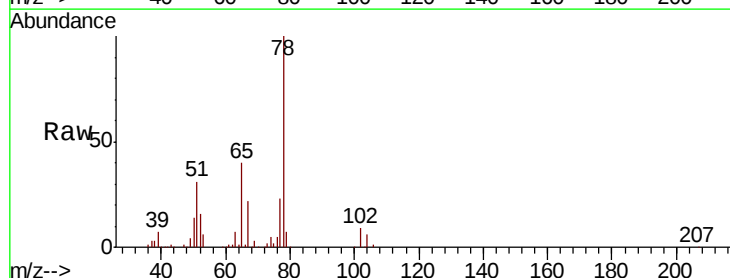
Instrument :
MSVOA_N
ClientSampleId :

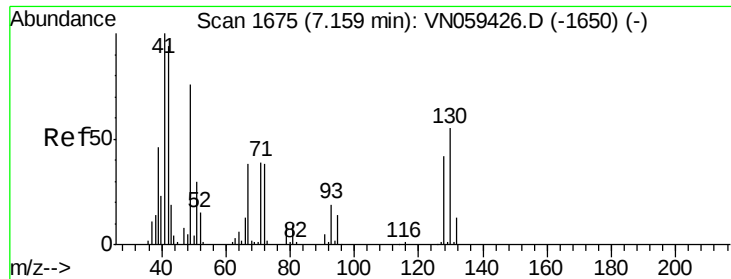
Tot Ion	83	Resp	122267
Ion Ratio	Lower	Upper	
83	100		
55	78.1	61.6	92.4
98	43.3	35.7	53.5



#40
Benzene
Concen: 19.535 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion	78	Resp	307380
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.3	27.5

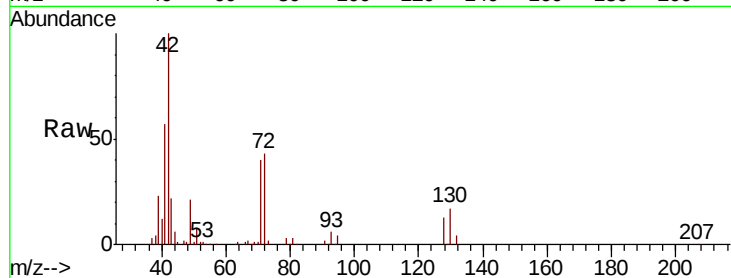




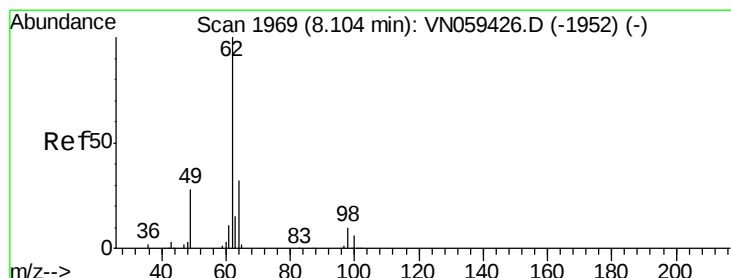
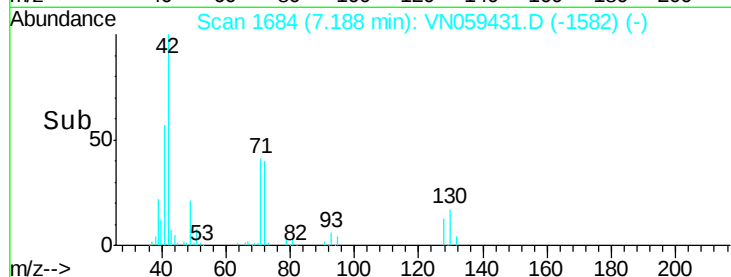
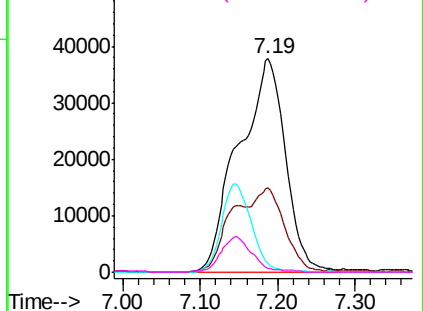
#41
Methacrylonitrile
Concen: 60.995 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	159243
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

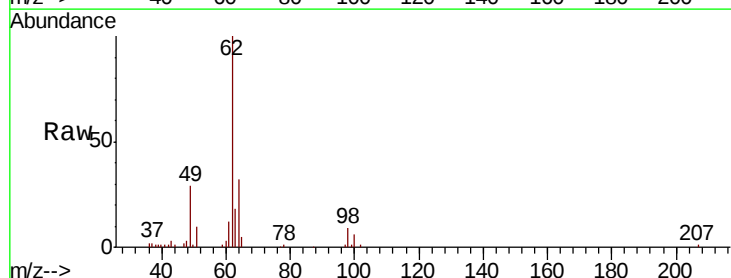


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

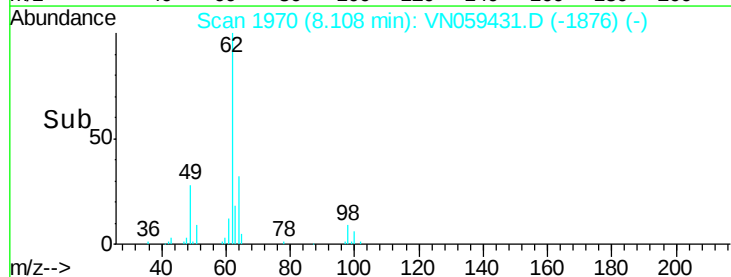
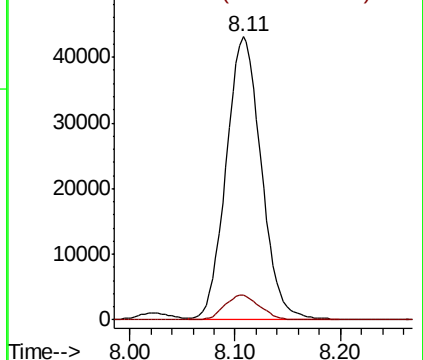


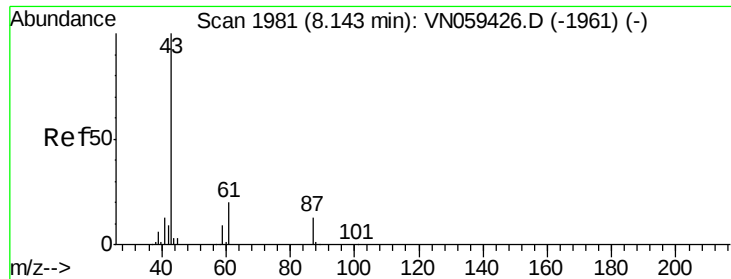
#42
1,2-Dichloroethane
Concen: 19.978 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion:	62	Resp:	99676
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.0



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



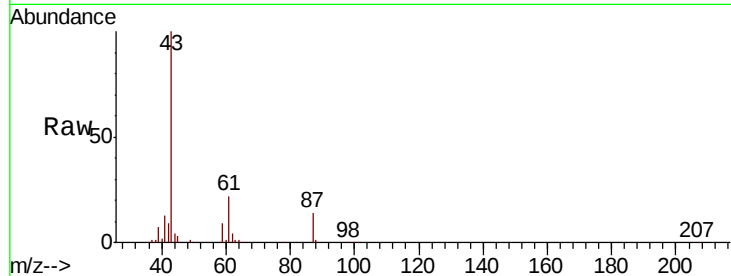


#43

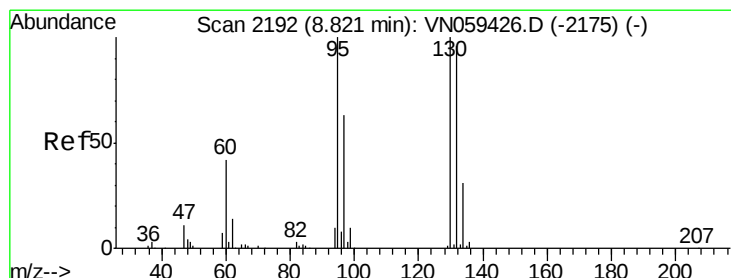
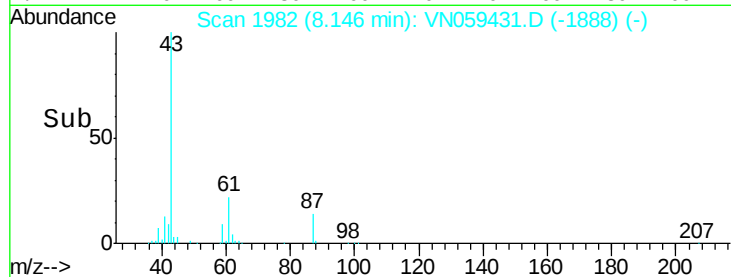
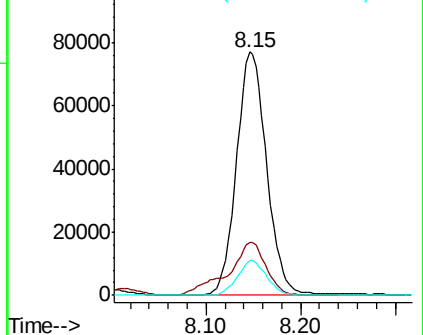
Isopropyl Acetate
 Concen: 19.839 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 168984
 Ion Ratio Lower Upper
 43 100
 61 27.7 22.2 33.2
 87 13.8 10.7 16.1



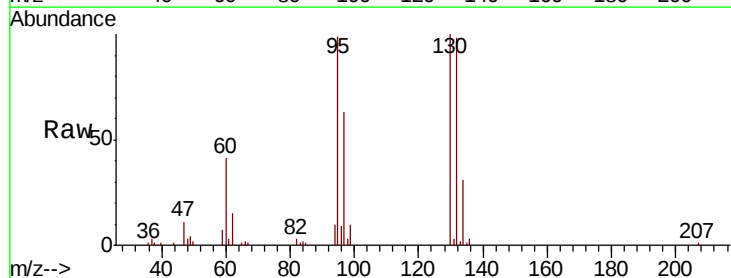
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



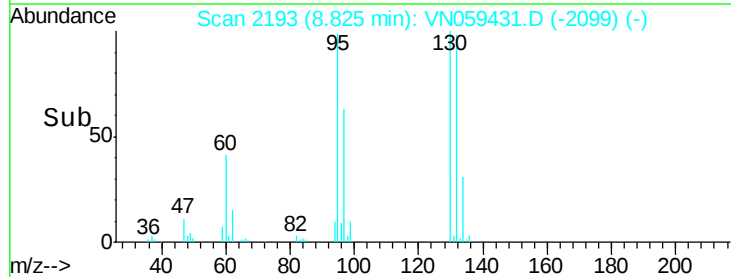
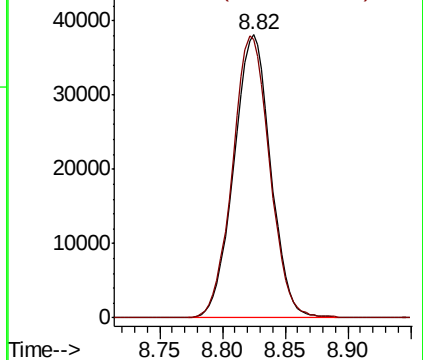
#44

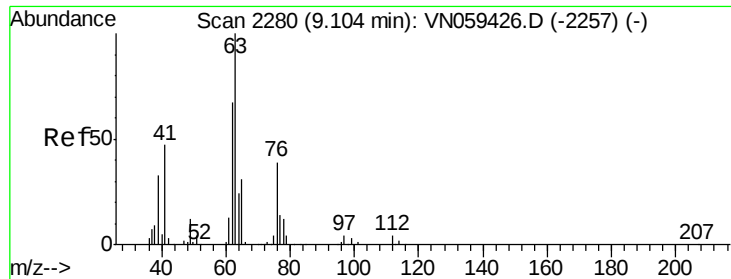
Trichloroethene
 Concen: 19.408 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

Tgt Ion:130 Resp: 77865
 Ion Ratio Lower Upper
 130 100
 95 98.5 0.0 199.6



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





#45

1,2-Dichloropropane

Concen: 19.827 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

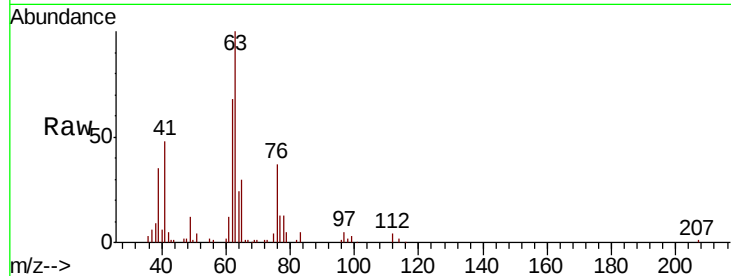
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 81602

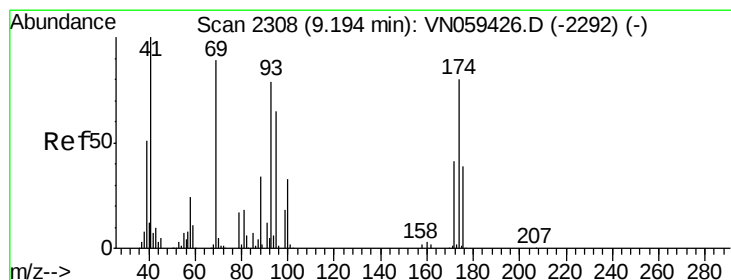
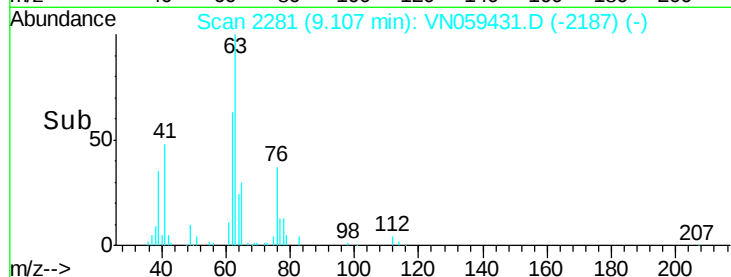
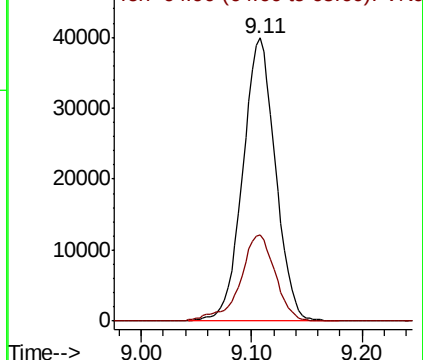
Ion Ratio Lower Upper

63 100

65 30.3 24.6 36.8



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



#46

Dibromomethane

Concen: 19.329 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

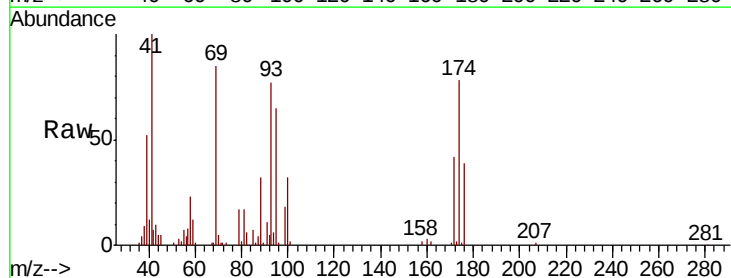
Tgt Ion: 93 Resp: 49091

Ion Ratio Lower Upper

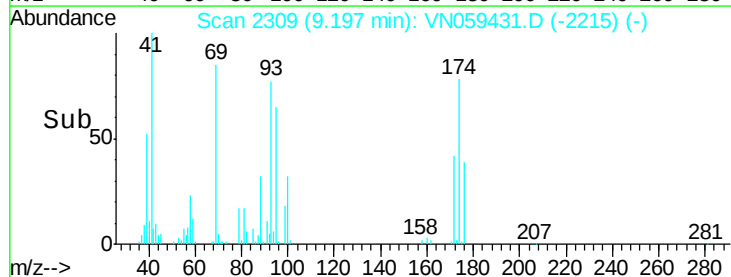
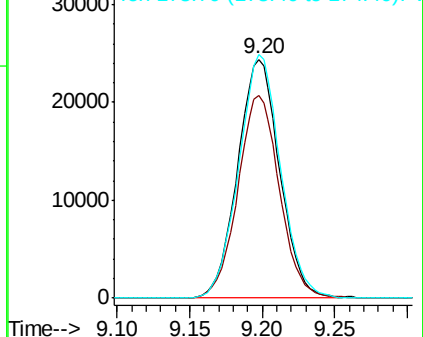
93 100

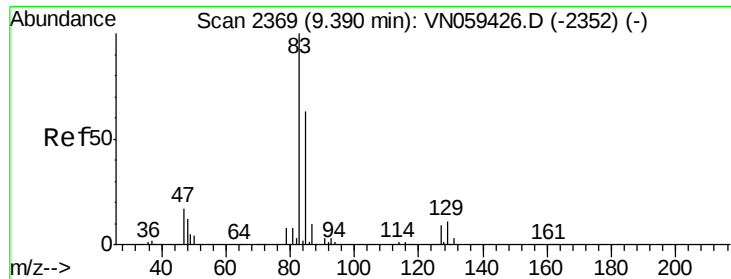
95 84.1 66.2 99.4

174 101.6 81.8 122.8



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





#47

Bromodichloromethane

Concen: 19.502 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

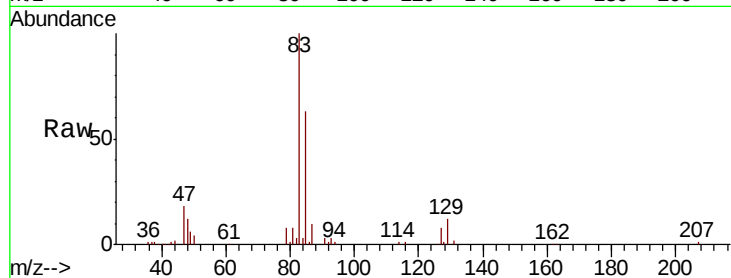
Tot Ion: 83 Resp: 100180

Ion Ratio Lower Upper

83 100

85 63.3 50.6 75.8

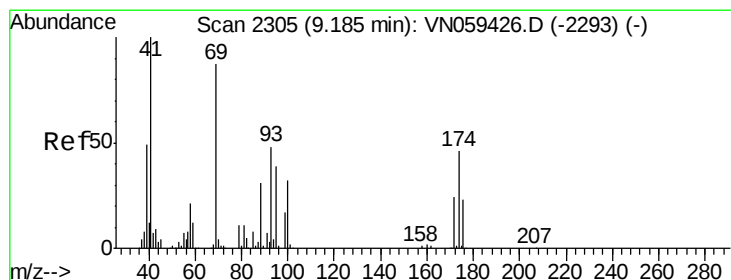
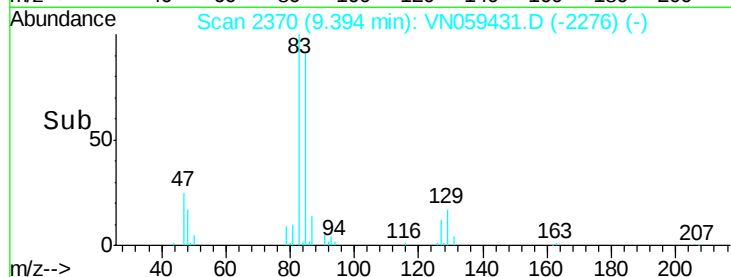
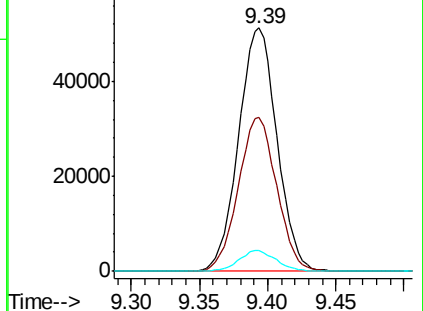
127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN059431.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059431.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059431.D (-2276) (-)



#48

Methyl methacrylate

Concen: 19.932 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

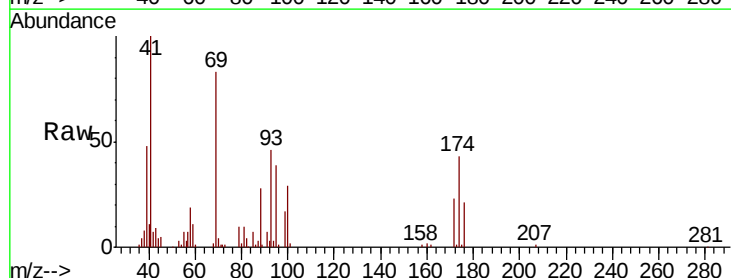
Tgt Ion: 41 Resp: 75320

Ion Ratio Lower Upper

41 100

69 88.3 71.6 107.4

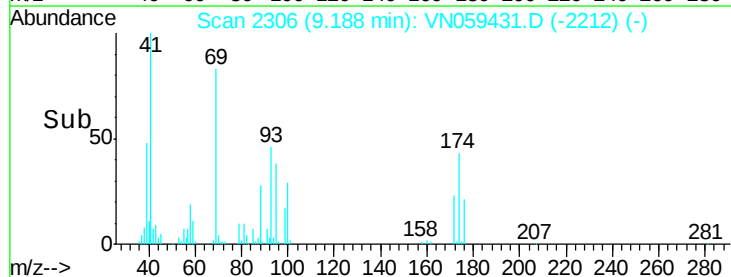
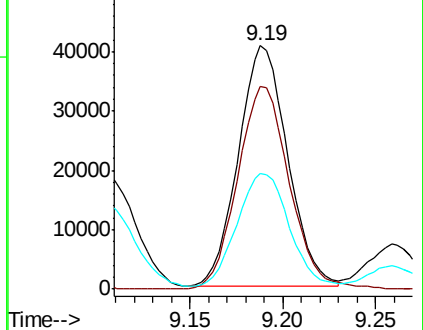
39 52.0 41.3 61.9

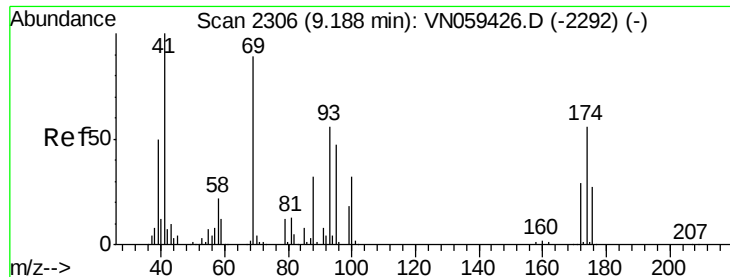


Abundance Ion 41.00 (40.70 to 41.70): VN059431.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059431.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059431.D (-2212) (-)

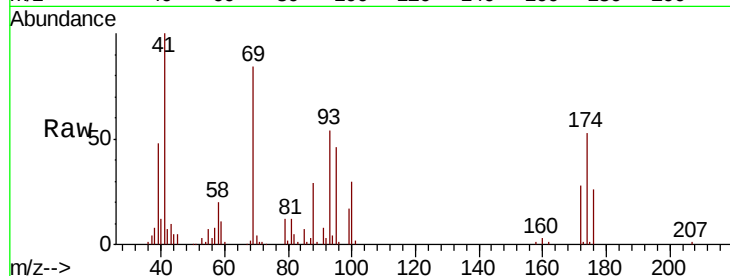




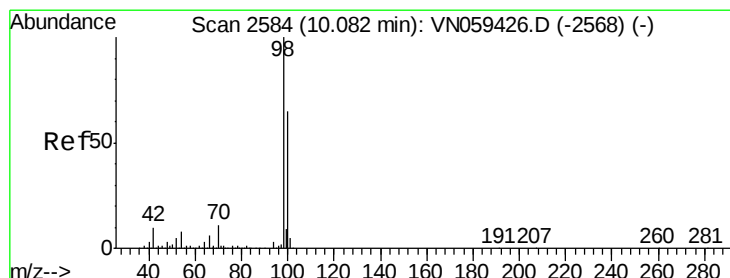
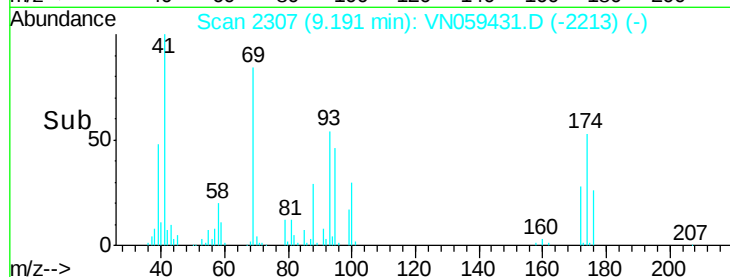
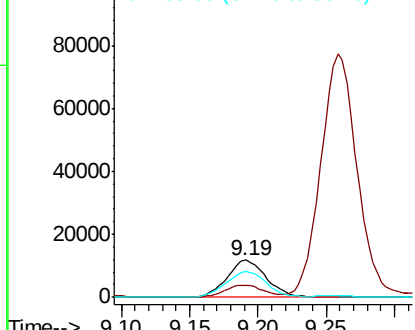
#49
1,4-Dioxane
Concen: 429.618 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 23711
Ion Ratio Lower Upper
88 100
43 32.7 23.7 35.5
58 71.0 56.3 84.5

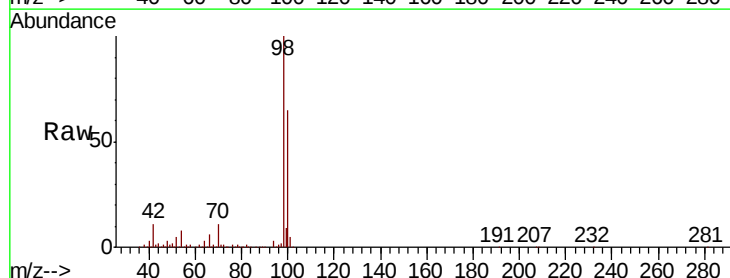


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

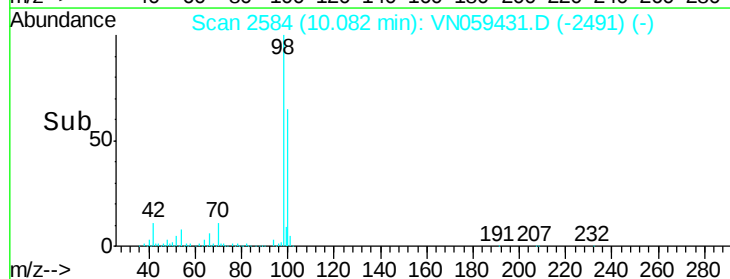
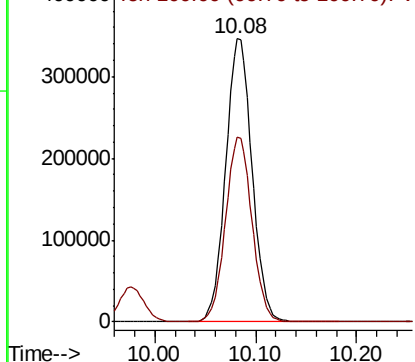


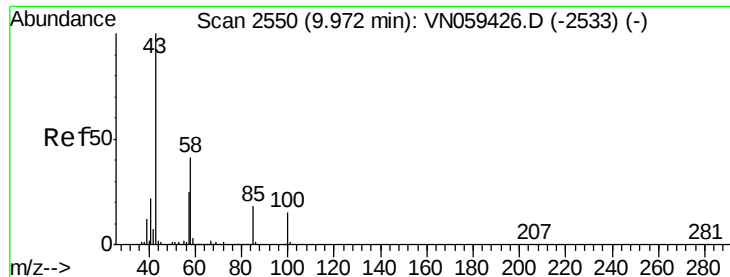
#50
Toluene-d8
Concen: 47.285 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion: 98 Resp: 632426
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 106.449 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

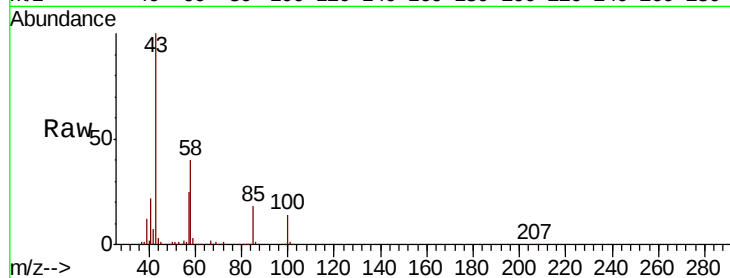
ClientSampleId :

Tot Ion: 43 Resp: 525917

Ion Ratio Lower Upper

43 100

58 40.6 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN059426.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN059426.D (-2533) (-)

9.98

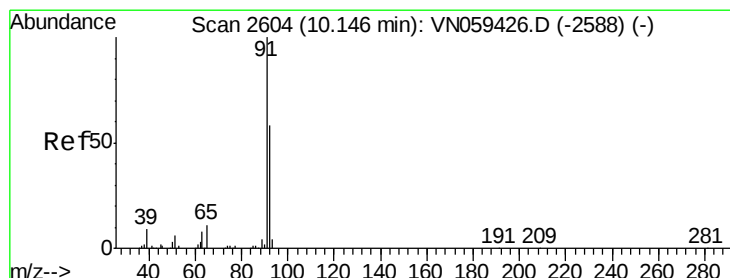
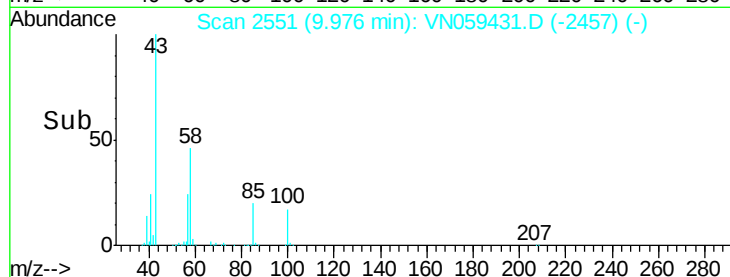
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.608 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059431.D

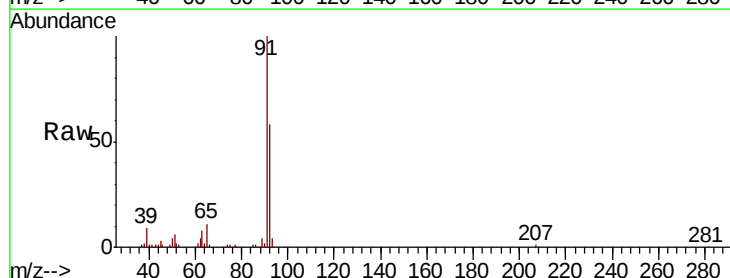
Acq: 27 Nov 2019 19:10

Tgt Ion: 92 Resp: 184319

Ion Ratio Lower Upper

92 100

91 173.1 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN059426.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059426.D (-2588) (-)

10.15

200000

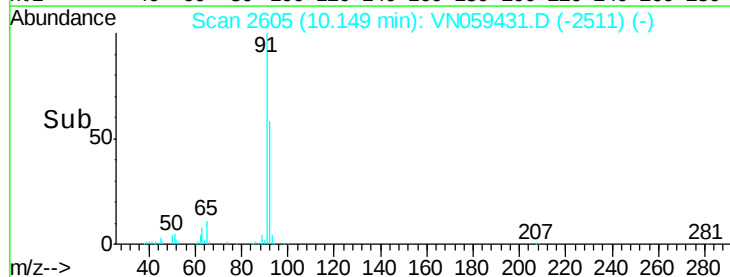
150000

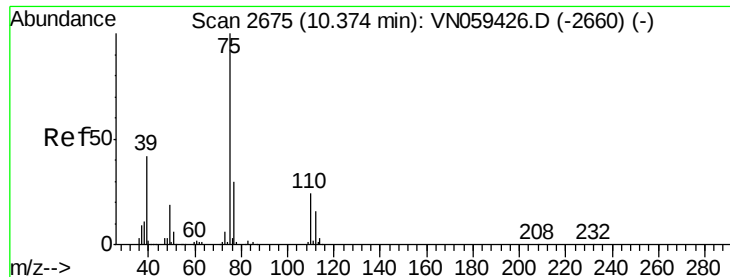
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.471 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

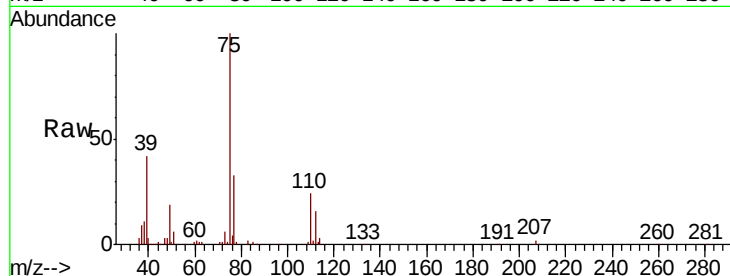
ClientSampleId :

Tot Ion: 75 Resp: 114934

Ion Ratio Lower Upper

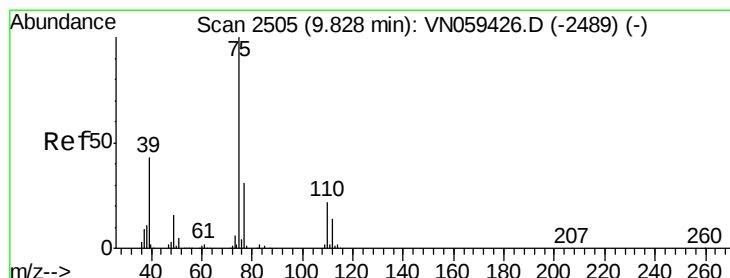
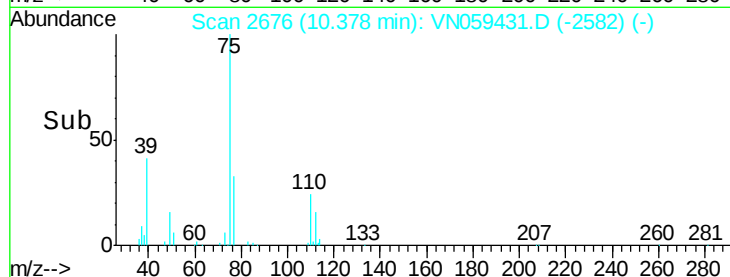
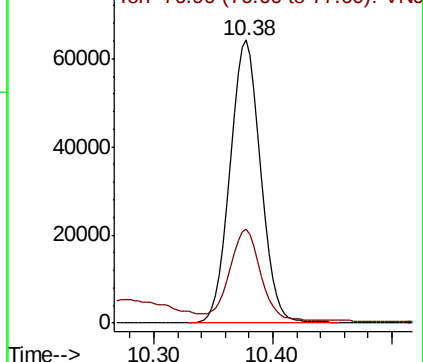
75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.546 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

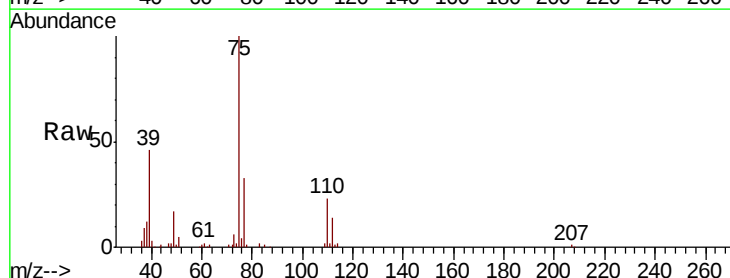
Tgt Ion: 75 Resp: 124545

Ion Ratio Lower Upper

75 100

77 33.4 25.1 37.7

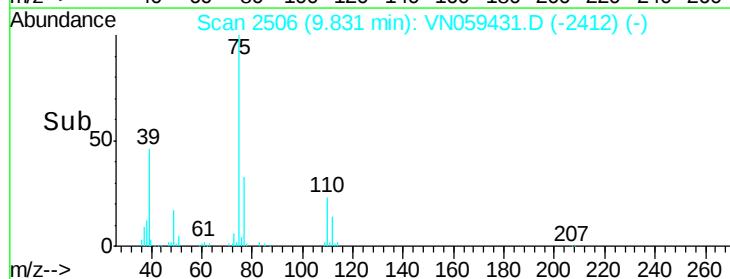
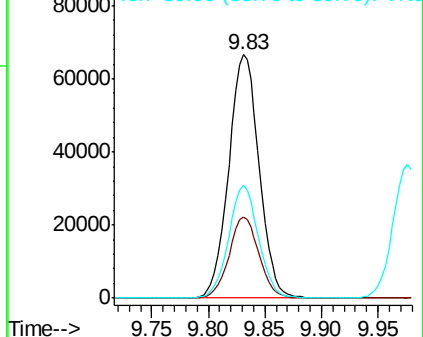
39 46.3 34.0 51.0

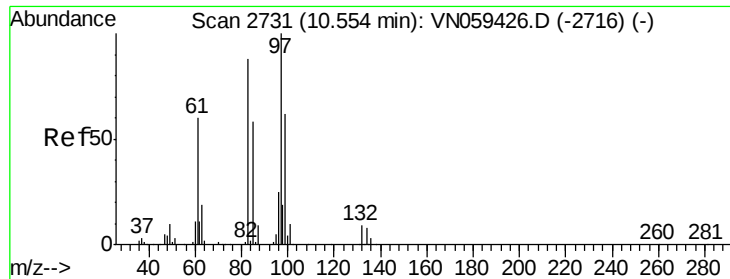


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

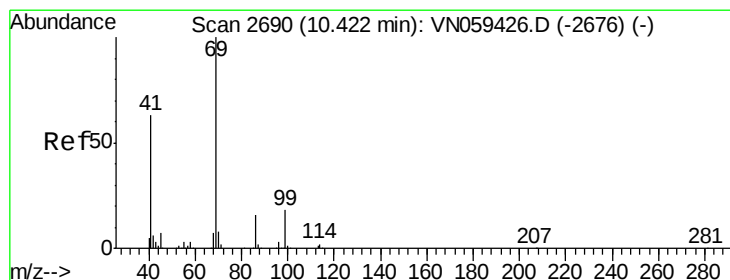
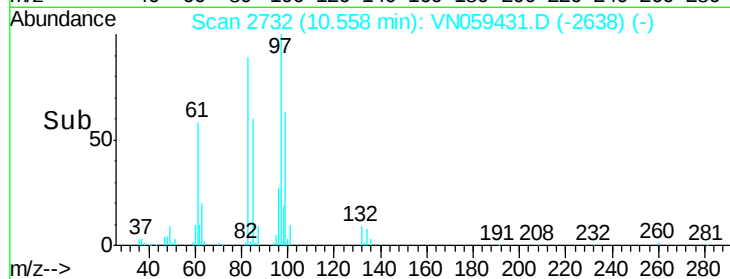
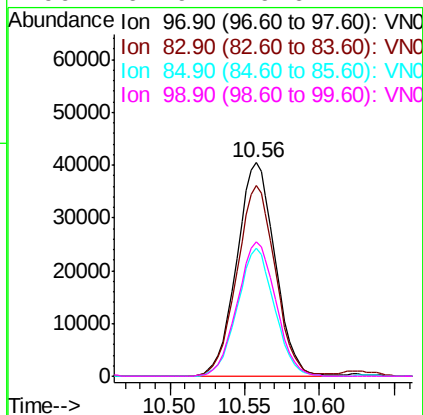
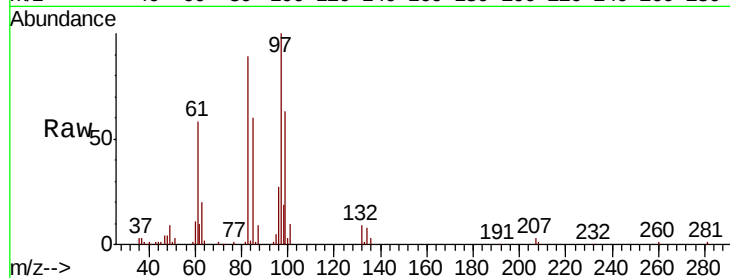




#55
 1,1,2-Trichloroethane
 Concen: 19.601 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

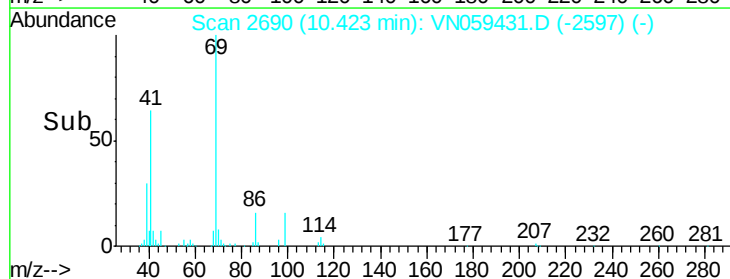
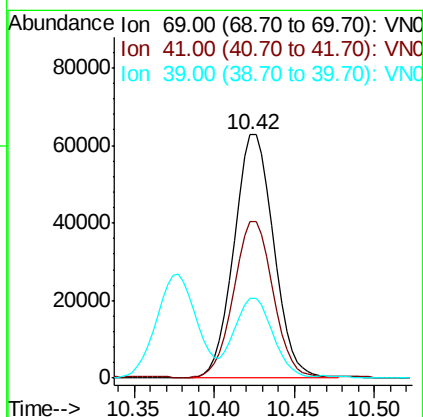
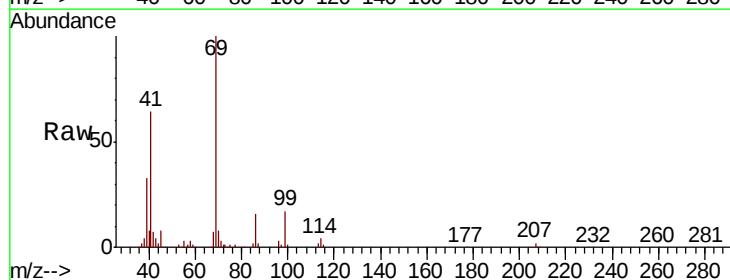
Instrument :
 MSVOA_N
 ClientSampleId :

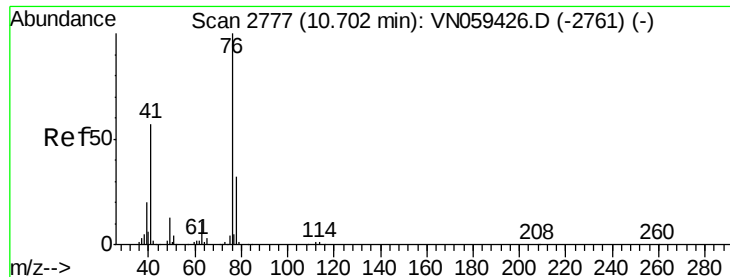
Tot Ion: 97 Resp: 72118
 Ion Ratio Lower Upper
 97 100
 83 89.5 70.7 106.1
 85 59.8 46.4 69.6
 99 62.9 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 21.214 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

Tgt Ion: 69 Resp: 106226
 Ion Ratio Lower Upper
 69 100
 41 63.5 50.1 75.1
 39 31.4 23.9 35.9





#57

1,3-Dichloropropane

Concen: 19.717 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

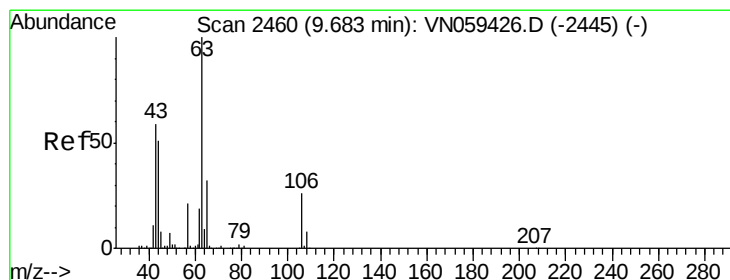
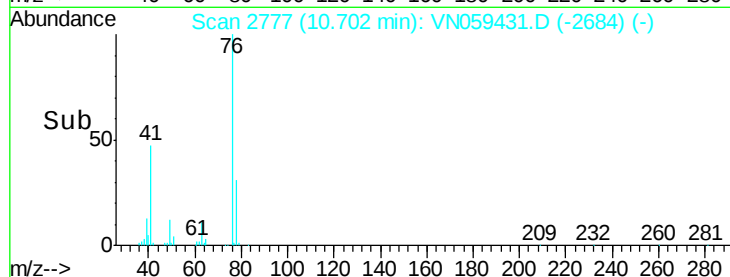
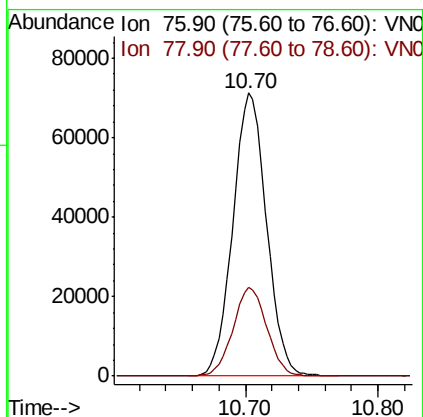
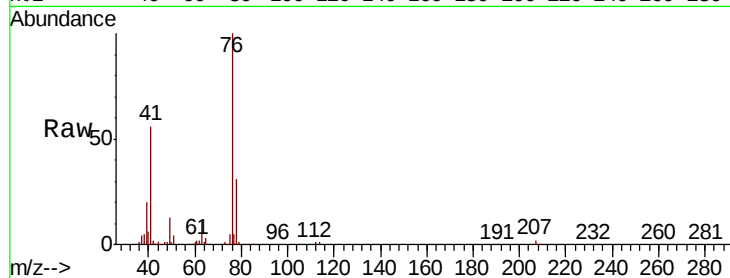
ClientSampleId :

Tot Ion: 76 Resp: 125383

Ion Ratio Lower Upper

76 100

78 31.6 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 126.830 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059431.D

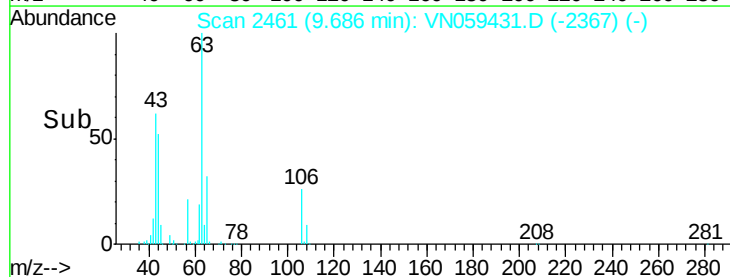
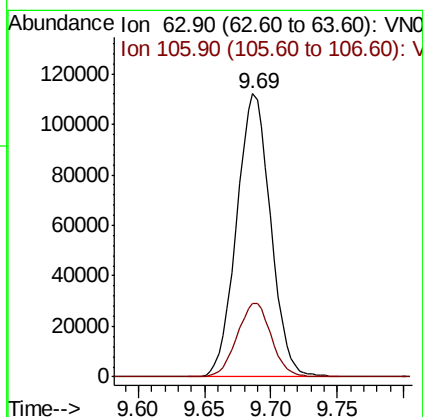
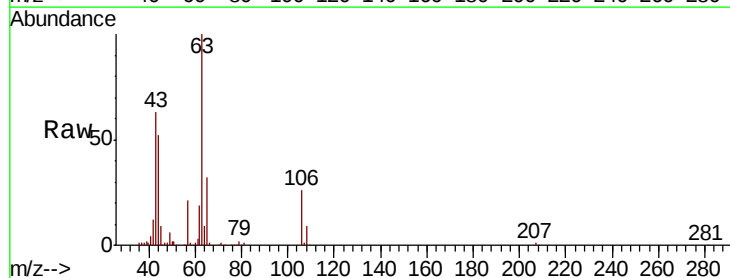
Acq: 27 Nov 2019 19:10

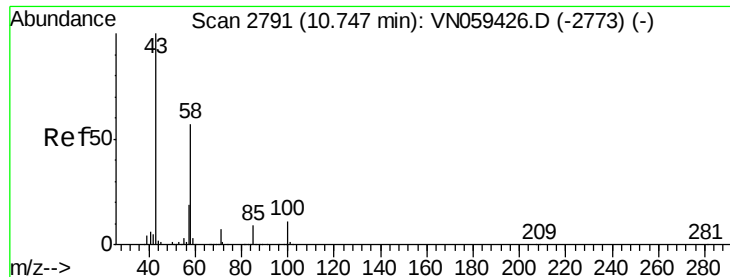
Tgt Ion: 63 Resp: 199946

Ion Ratio Lower Upper

63 100

106 26.3 20.9 31.3

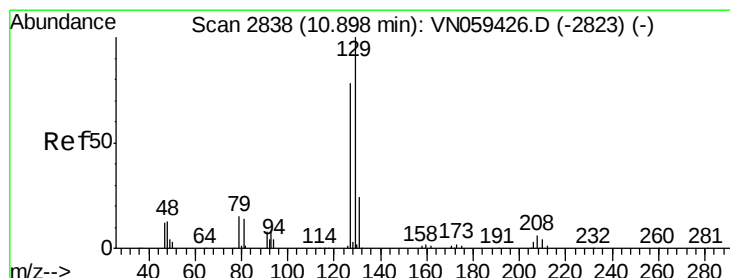
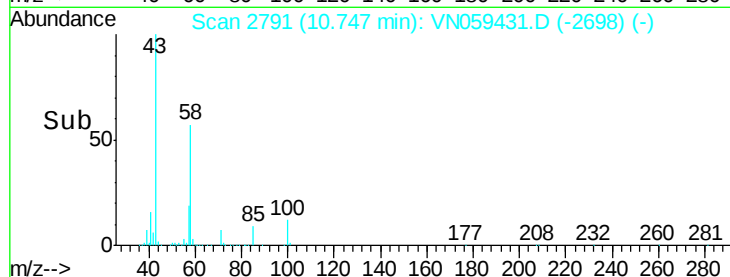
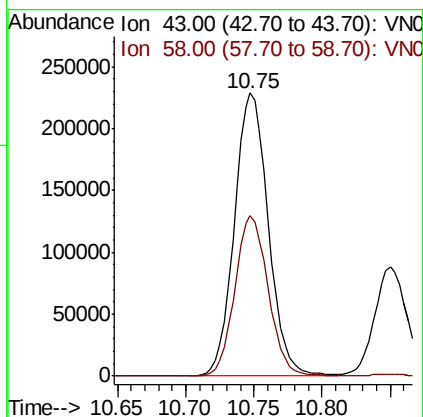
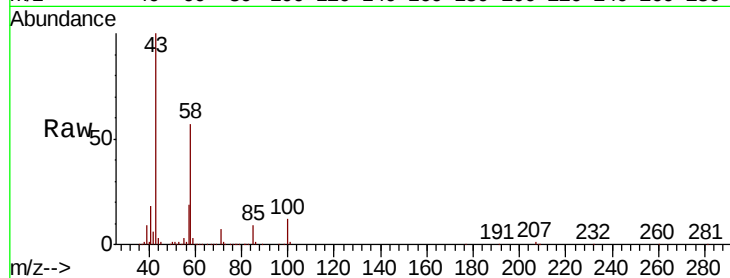




#59
2-Hexanone
Concen: 107.284 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

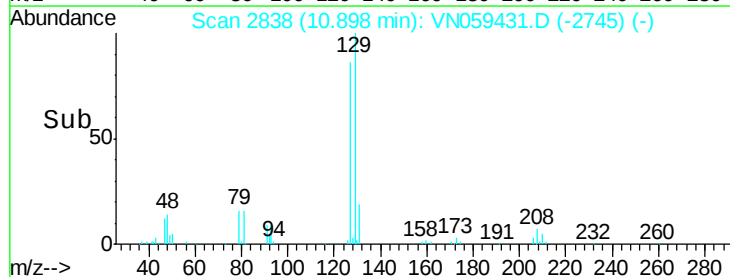
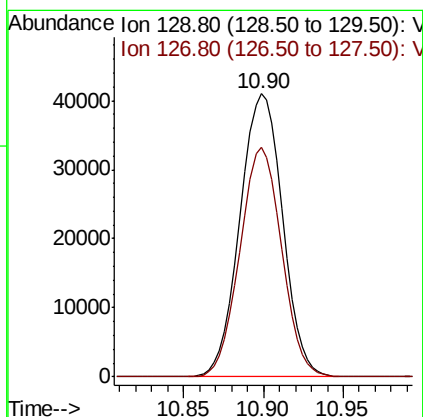
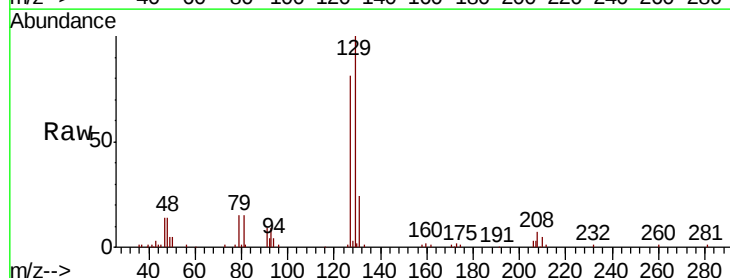
Instrument :
MSVOA_N
ClientSampled :

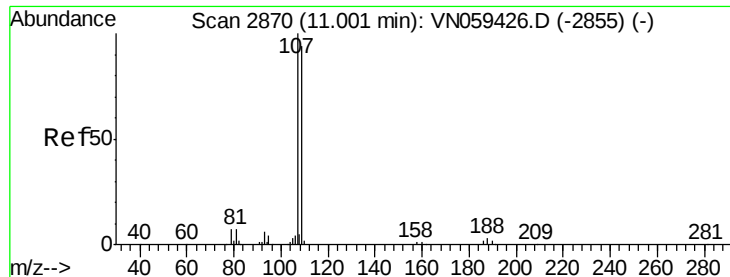
Tot Ion: 43 Resp: 393036
Ion Ratio Lower Upper
43 100
58 56.1 28.3 85.0



#60
Dibromochloromethane
Concen: 19.443 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion: 129 Resp: 74673
Ion Ratio Lower Upper
129 100
127 79.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.414 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

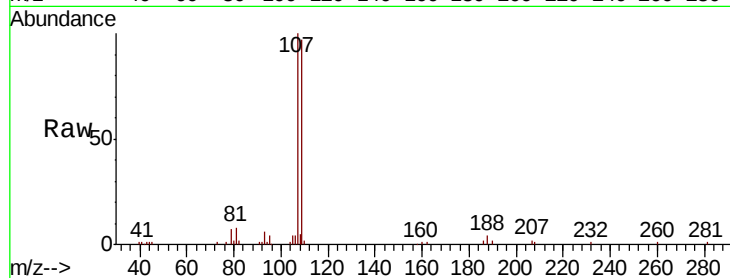
ClientSampleId :

Tot Ion:107 Resp: 73197

Ion Ratio Lower Upper

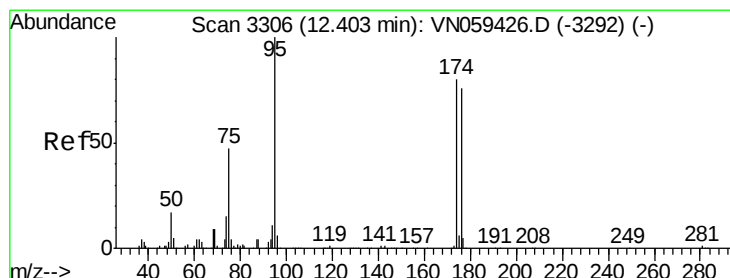
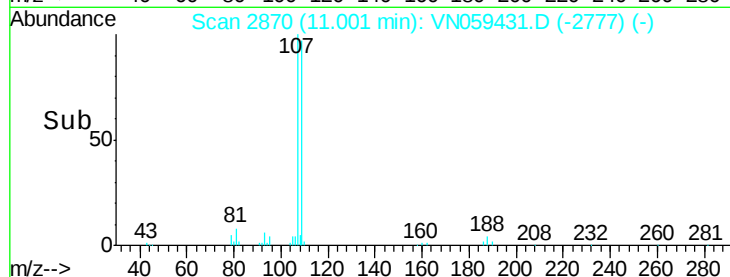
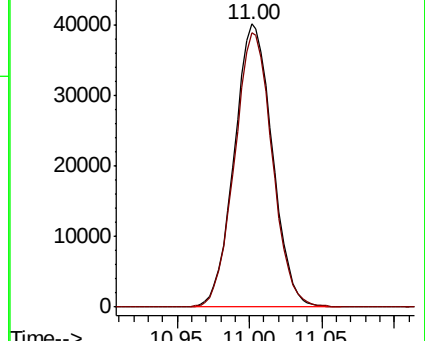
107 100

109 95.9 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.336 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

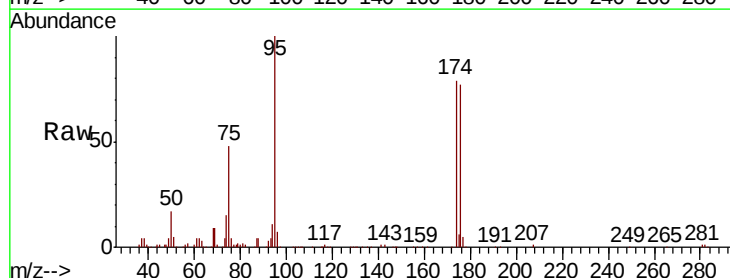
Tgt Ion: 95 Resp: 215779

Ion Ratio Lower Upper

95 100

174 79.8 0.0 158.0

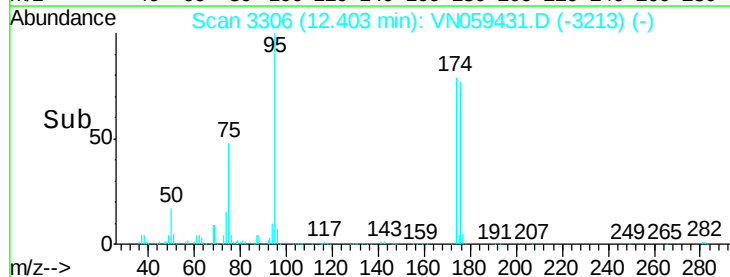
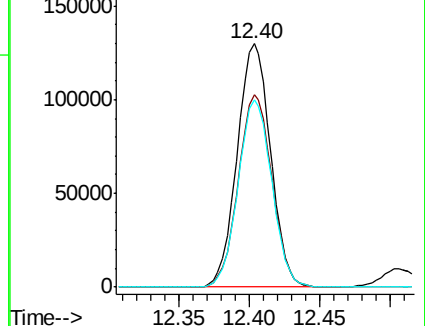
176 77.4 0.0 153.0

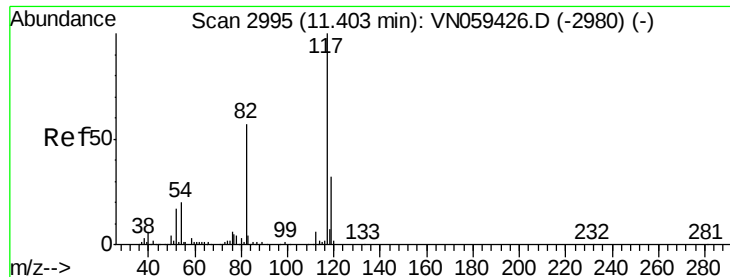


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

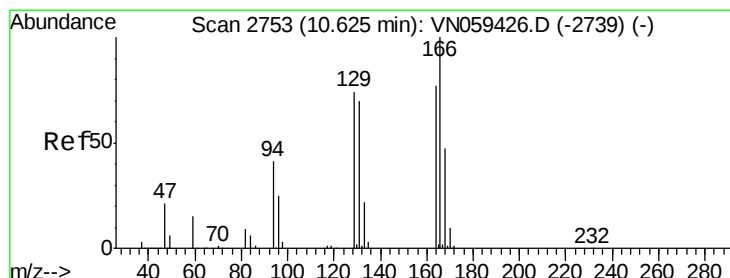
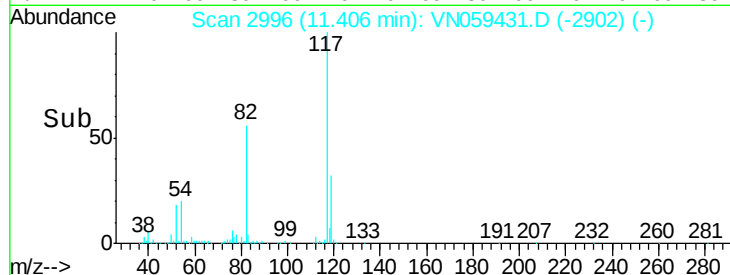
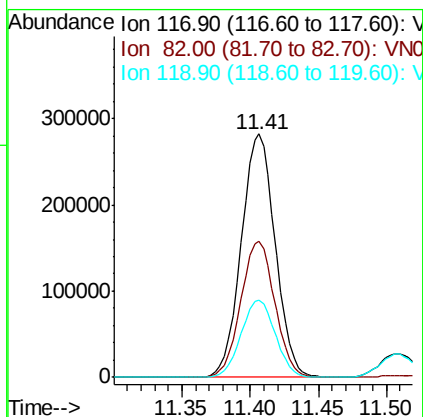
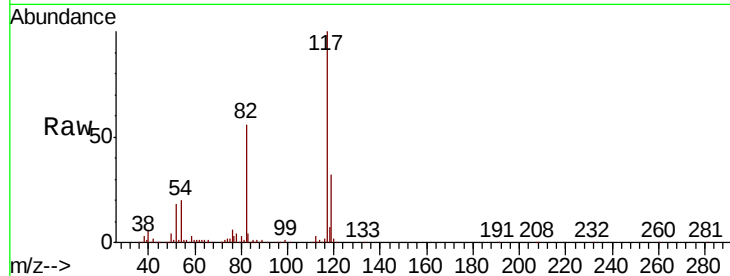




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

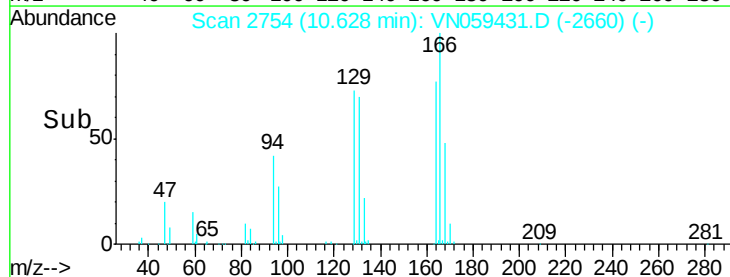
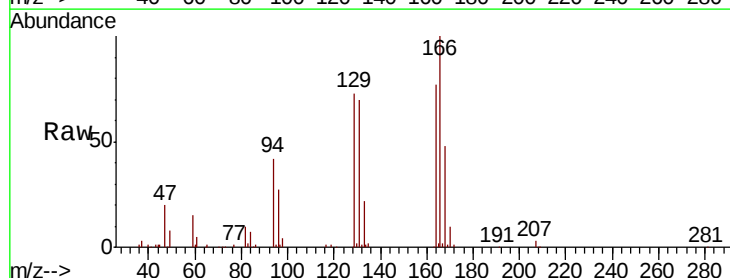
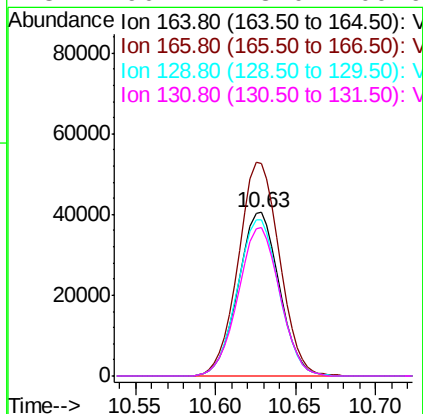
Instrument :
MSVOA_N
ClientSampleId :

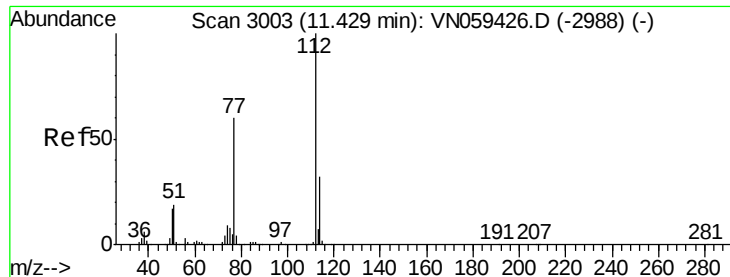
Tot Ion:117 Resp: 486904
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.0
119 31.8 25.6 38.4



#64
Tetrachloroethene
Concen: 19.732 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion:164 Resp: 71062
Ion Ratio Lower Upper
164 100
166 130.1 104.2 156.4
129 95.4 76.8 115.2
131 90.4 73.0 109.6

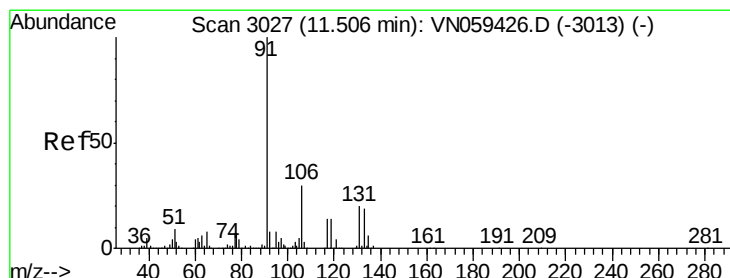
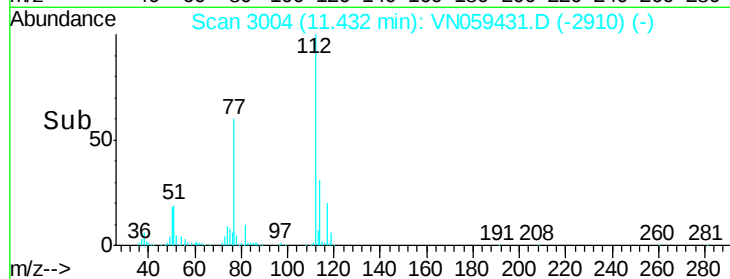
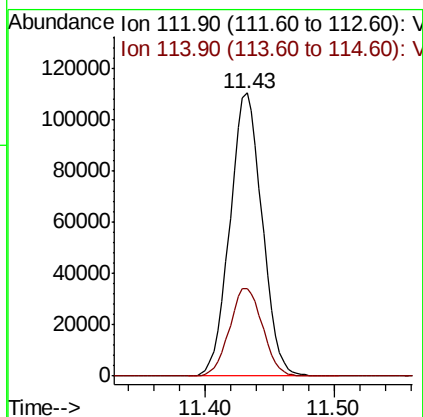
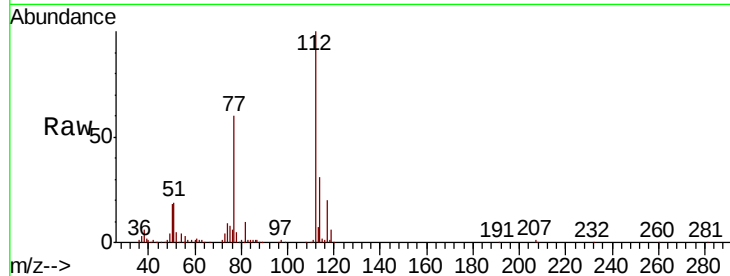




#65
Chlorobenzene
Concen: 19.440 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

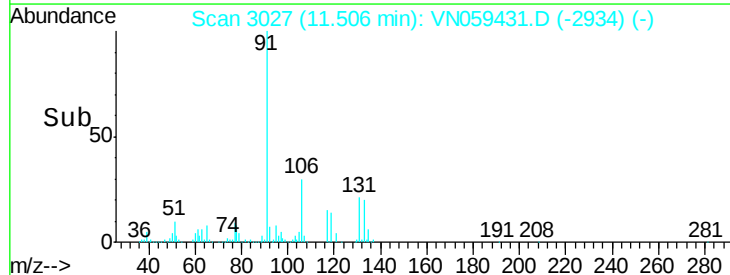
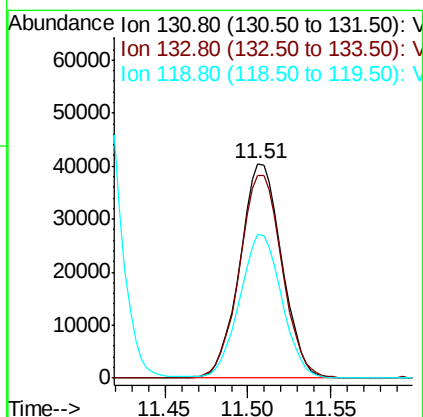
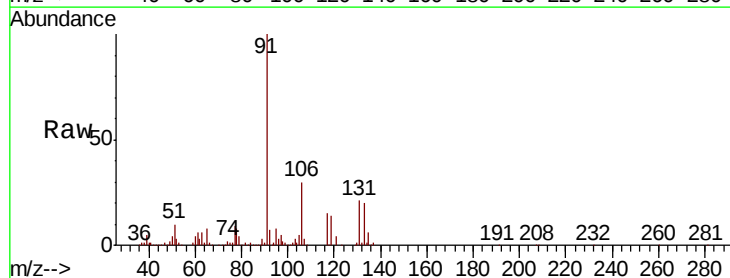
Instrument :
MSVOA_N
ClientSampled :

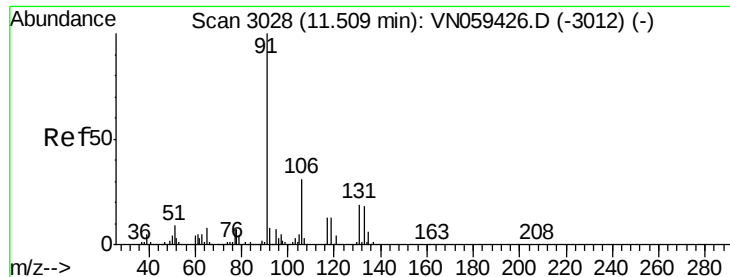
Tot Ion:112 Resp: 191626
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.867 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion:131 Resp: 71017
Ion Ratio Lower Upper
131 100
133 97.0 48.2 144.6
119 67.6 33.8 101.3





#67

Ethyl Benzene

Concen: 19.837 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

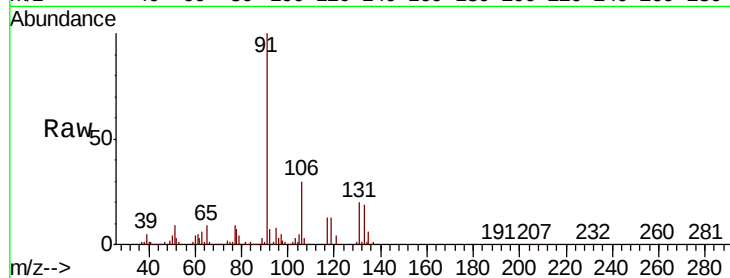
ClientSampled :

Tot Ion: 91 Resp: 343454

Ion Ratio Lower Upper

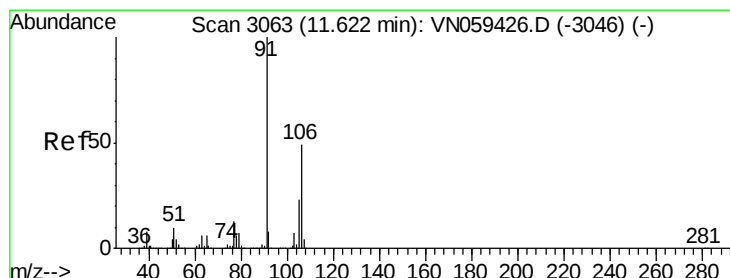
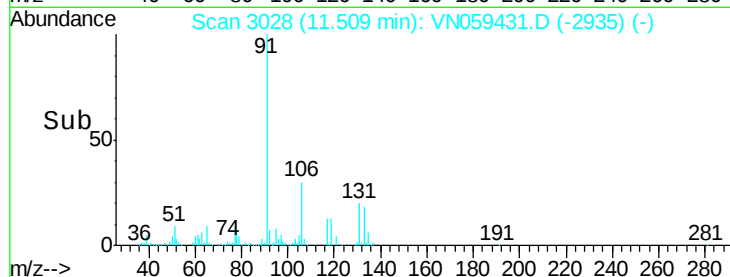
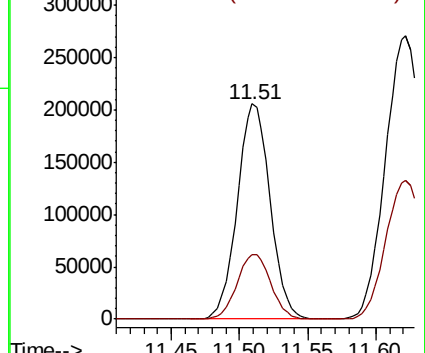
91 100

106 30.3 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.709 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059431.D

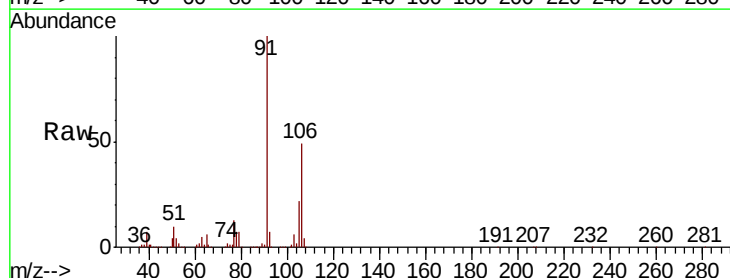
Acq: 27 Nov 2019 19:10

Tgt Ion: 106 Resp: 256688

Ion Ratio Lower Upper

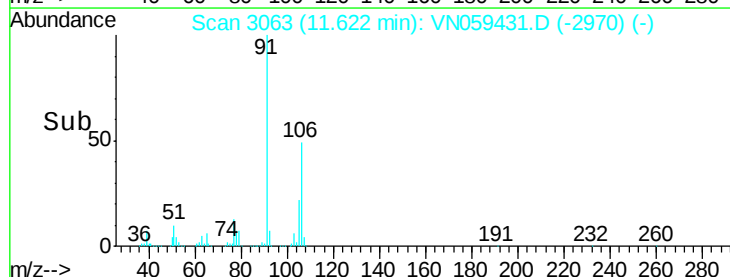
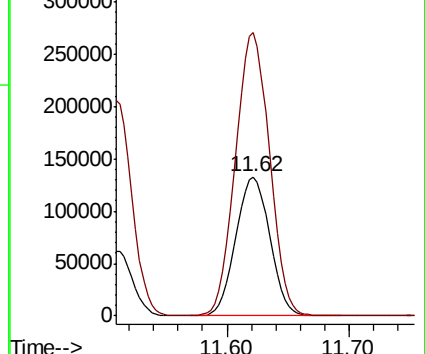
106 100

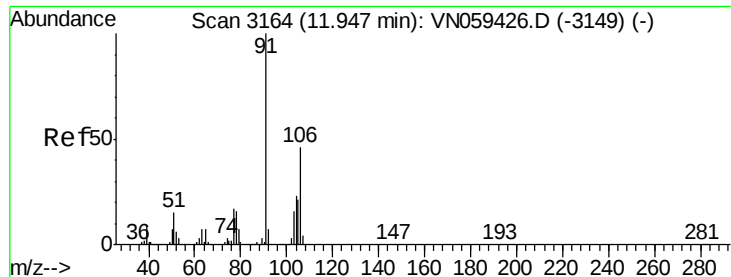
91 203.6 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

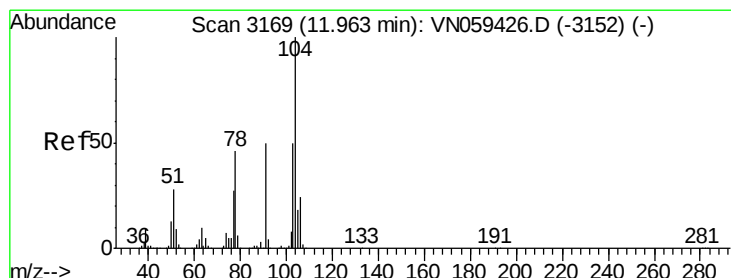
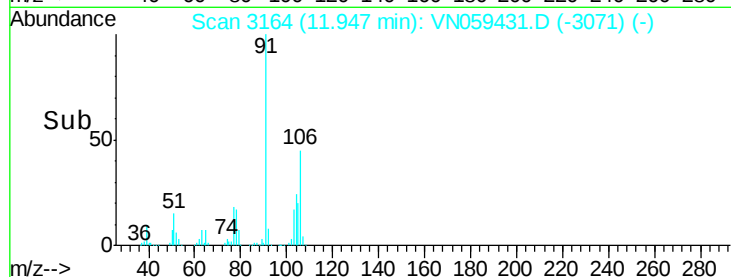
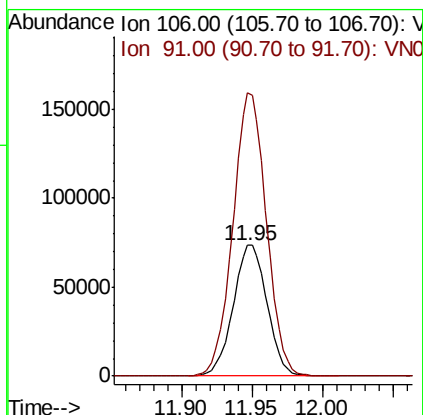
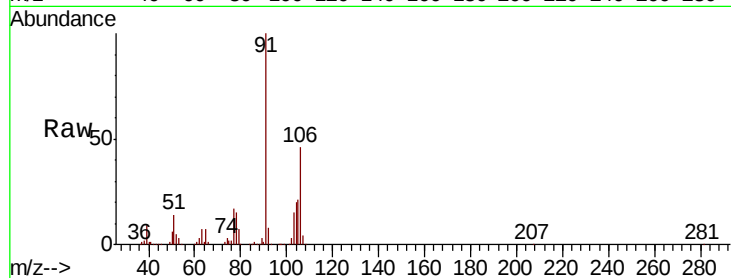




#69
o-Xylene
Concen: 19.983 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

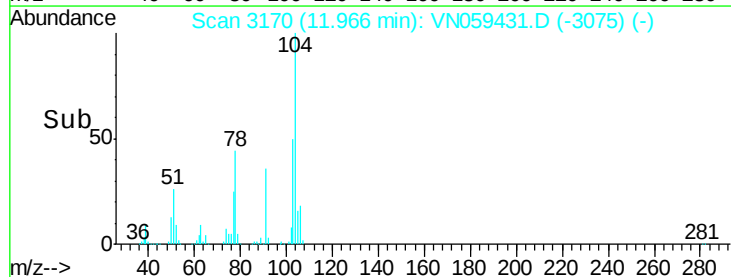
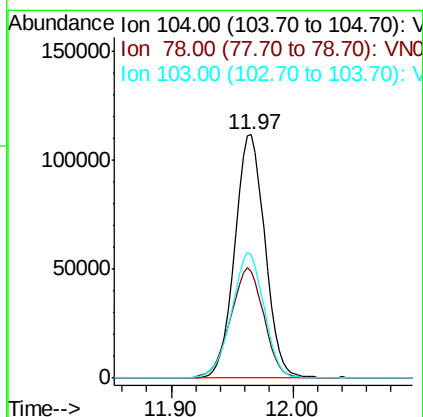
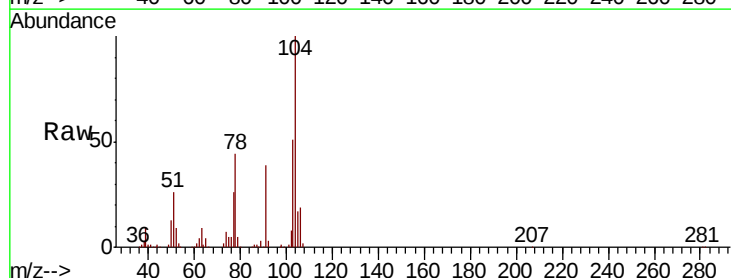
Instrument :
MSVOA_N
ClientSampleId :

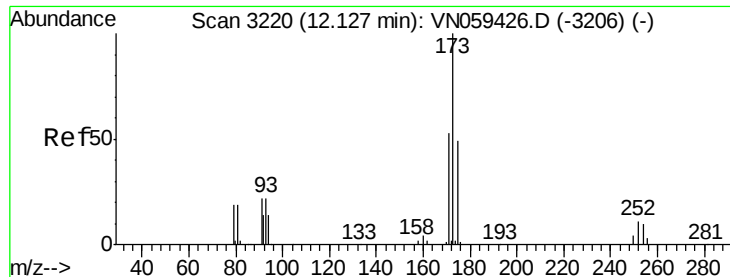
Tot Ion:106 Resp: 123883
Ion Ratio Lower Upper
106 100
91 213.7 107.5 322.4



#70
Styrene
Concen: 20.898 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion:104 Resp: 191986
Ion Ratio Lower Upper
104 100
78 50.4 40.4 60.6
103 55.3 43.8 65.6





#71

Bromoform

Concen: 19.968 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

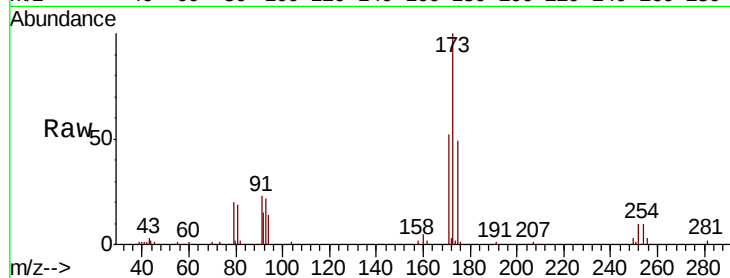
Tot Ion:173 Resp: 54351

Ion Ratio Lower Upper

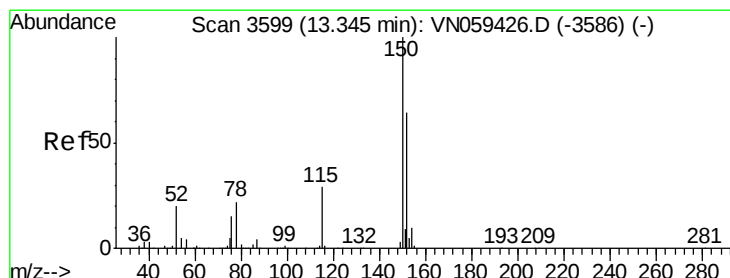
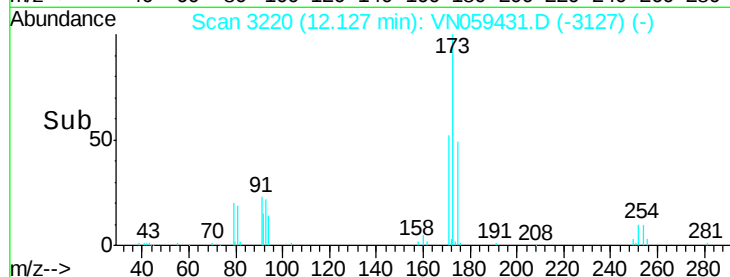
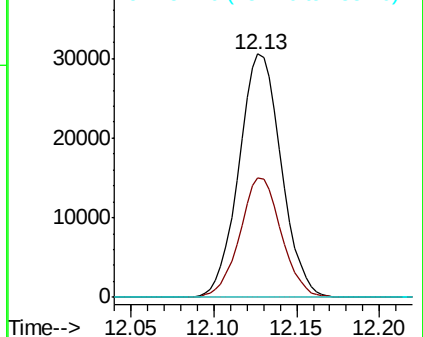
173 100

175 48.0 24.1 72.3

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

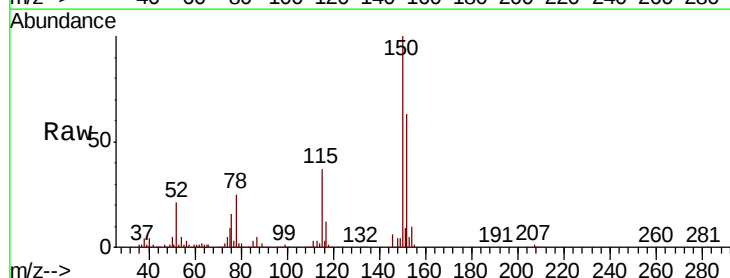
Tgt Ion:152 Resp: 222400

Ion Ratio Lower Upper

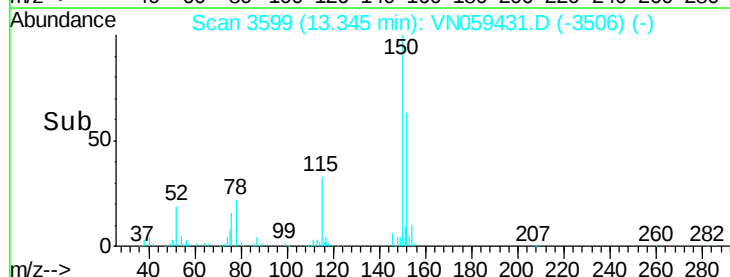
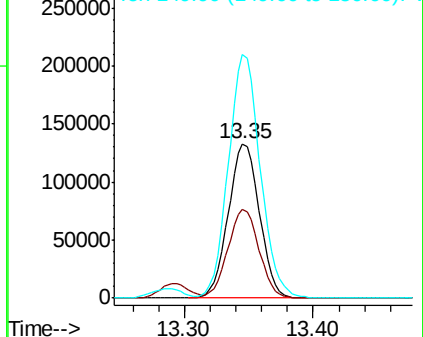
152 100

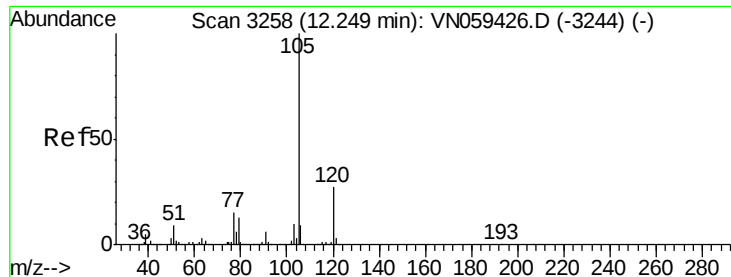
115 57.3 29.5 88.6

150 161.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.920 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

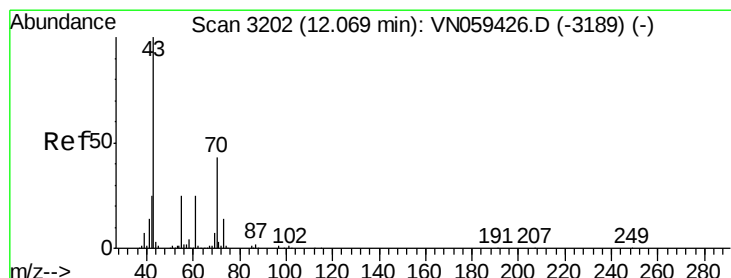
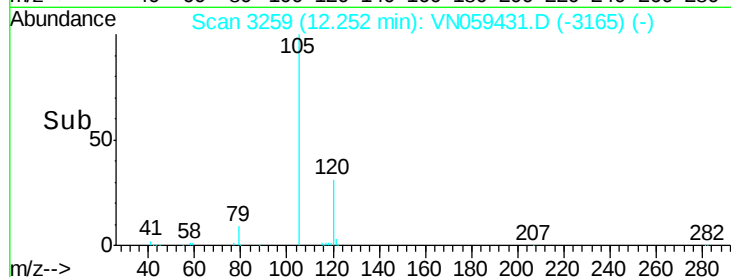
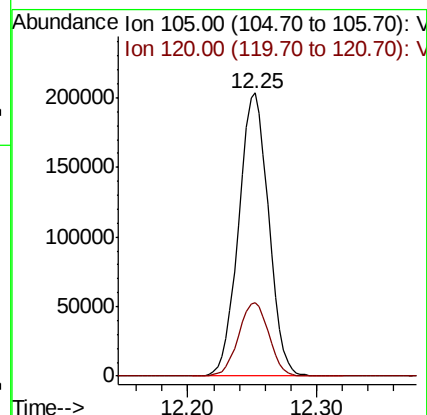
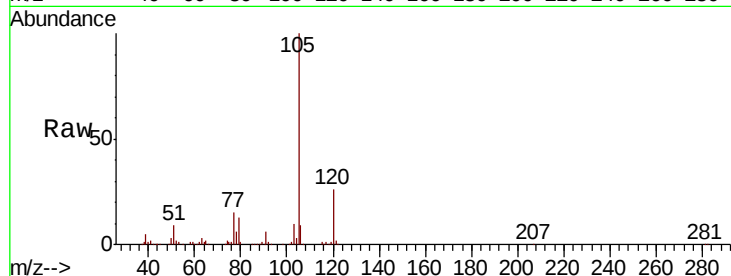
ClientSampleId :

Tot Ion: 105 Resp: 328194

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



#74

N-ethyl acetate

Concen: 21.921 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Tgt Ion: 43 Resp: 124760

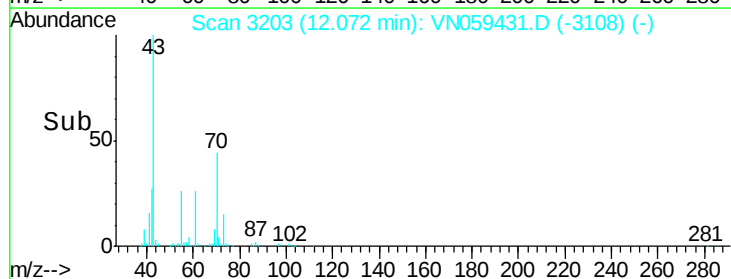
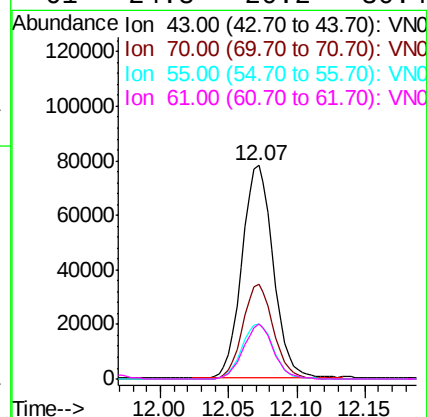
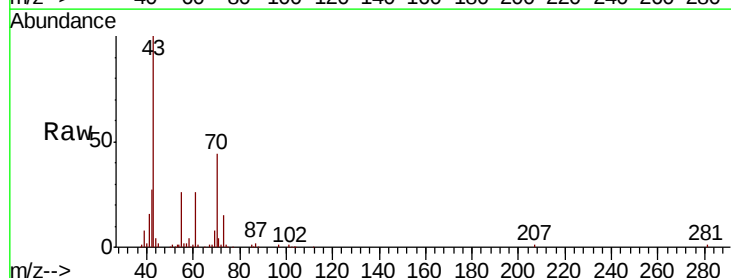
Ion Ratio Lower Upper

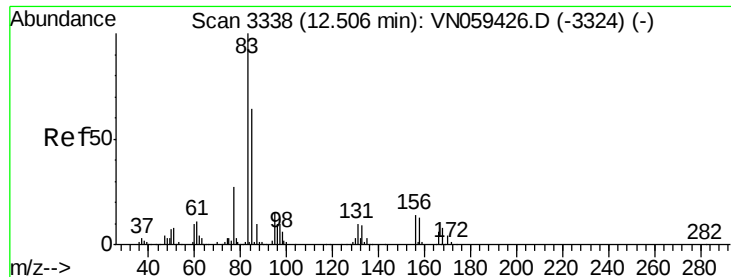
43 100

70 43.5 34.6 52.0

55 26.3 20.5 30.7

61 24.8 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.007 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

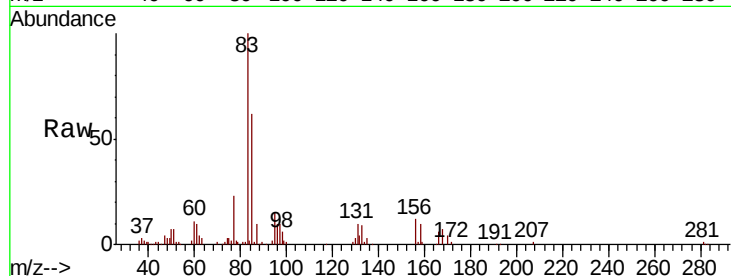
Tot Ion: 83 Resp: 107497

Ion Ratio Lower Upper

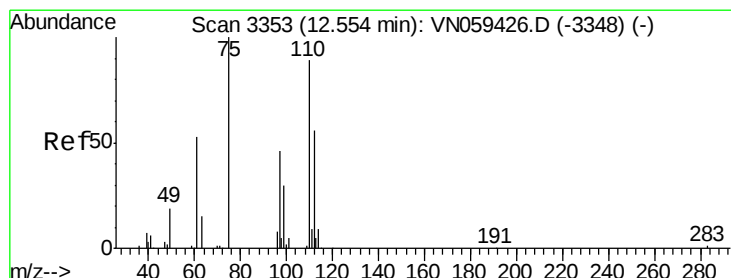
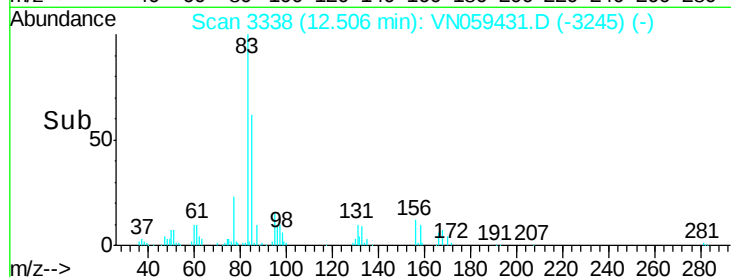
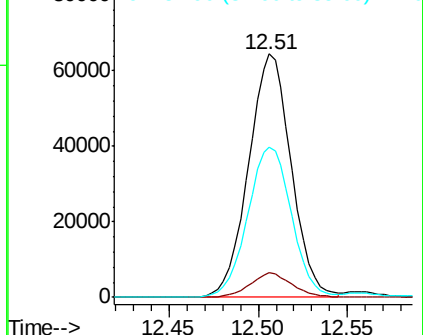
83 100

131 9.7 5.0 15.0

85 63.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.382 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059431.D

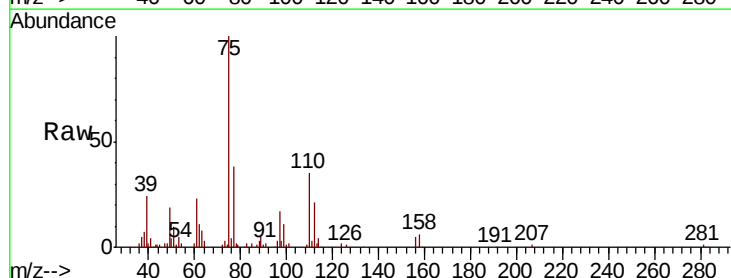
Acq: 27 Nov 2019 19:10

Tgt Ion: 75 Resp: 142799

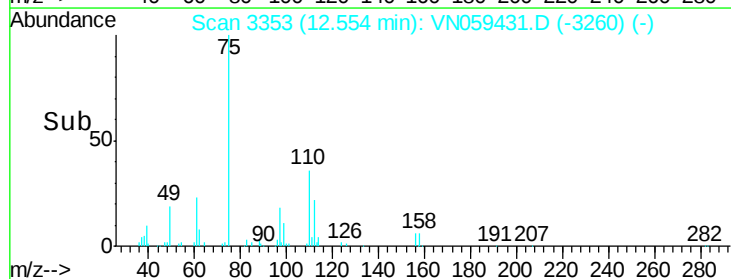
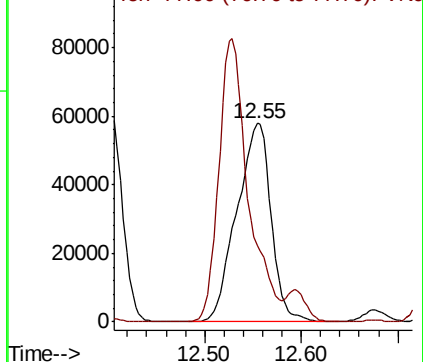
Ion Ratio Lower Upper

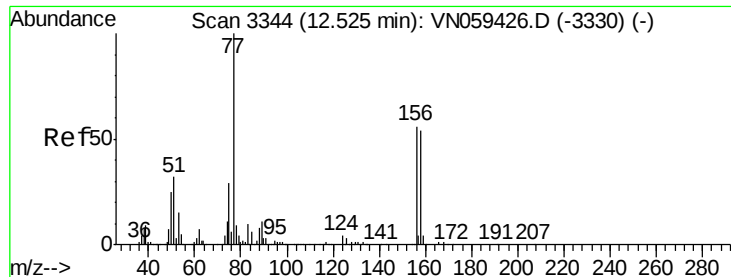
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.483 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

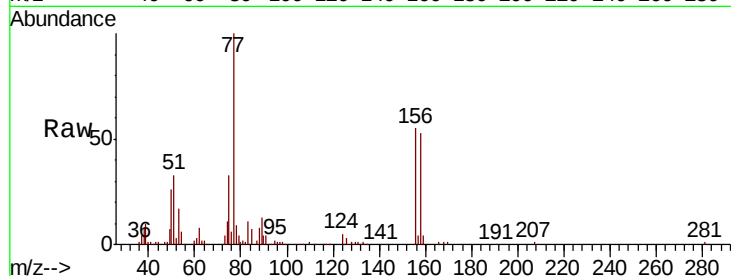
Tot Ion:156 Resp: 78590

Ion Ratio Lower Upper

156 100

77 222.5 108.7 326.3

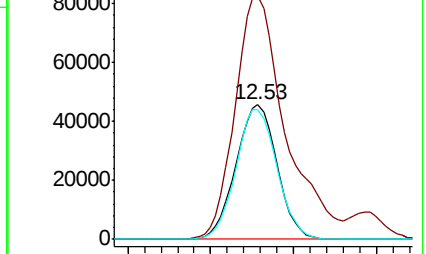
158 97.2 48.3 144.9



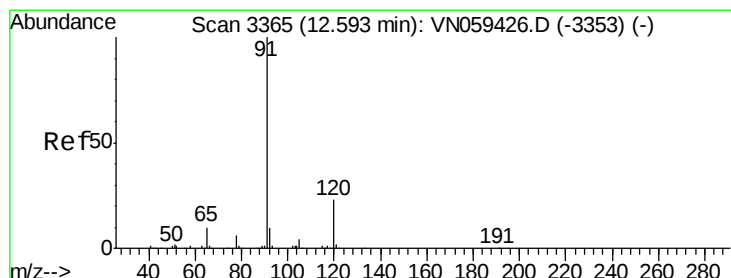
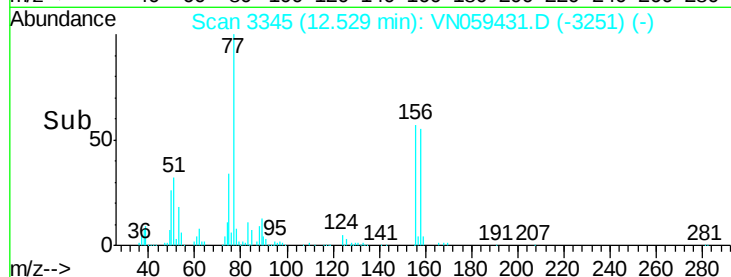
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 19.778 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059431.D

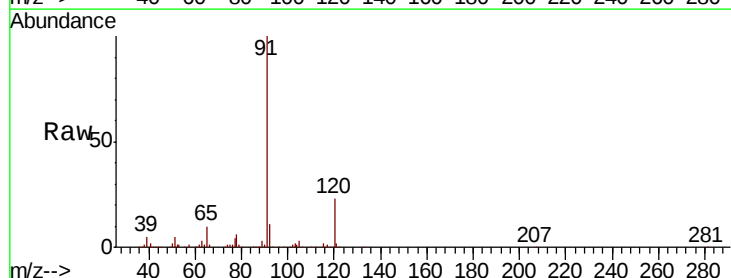
Acq: 27 Nov 2019 19:10

Tgt Ion: 91 Resp: 375500

Ion Ratio Lower Upper

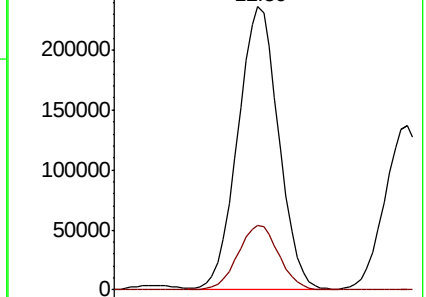
91 100

120 22.9 11.5 34.4

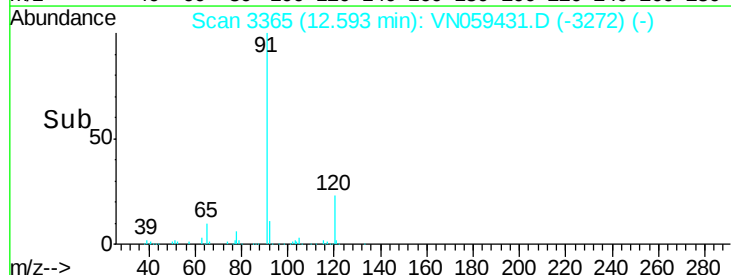


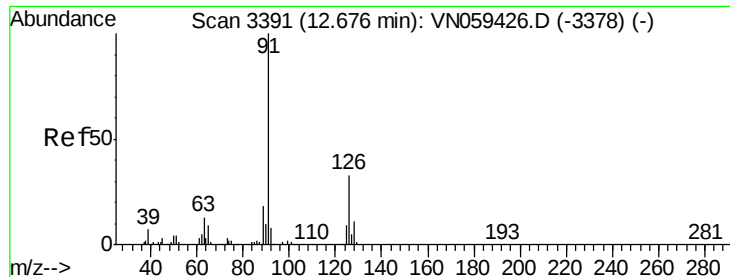
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 19.805 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

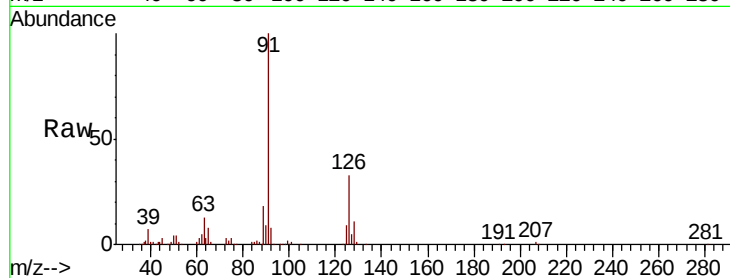
ClientSampled :

Tot Ion: 91 Resp: 224807

Ion Ratio Lower Upper

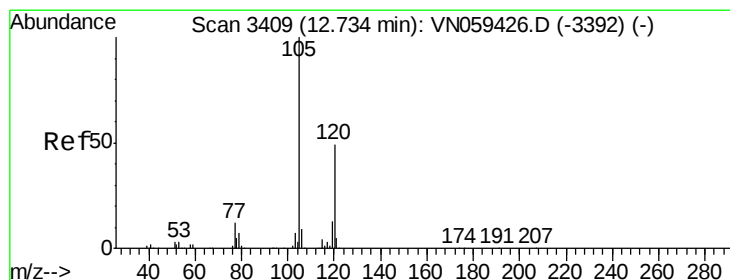
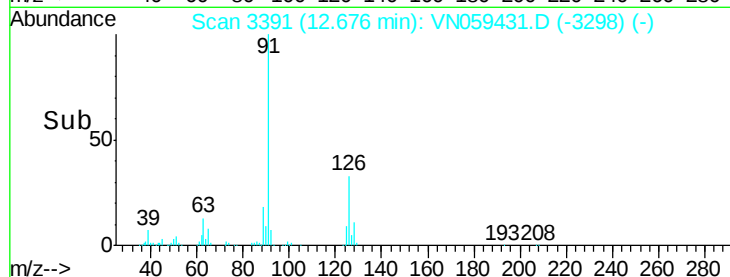
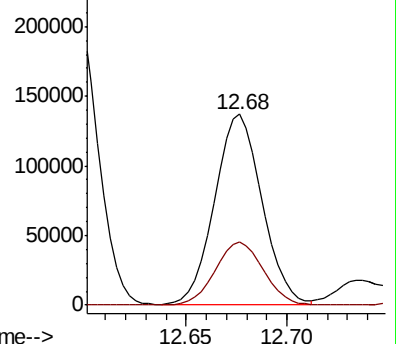
91 100

126 33.7 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059426.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059426.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.991 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059431.D

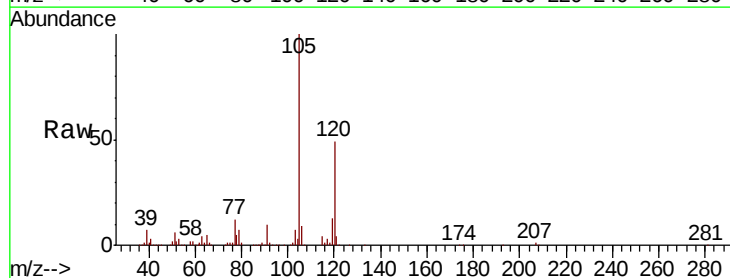
Acq: 27 Nov 2019 19:10

Tgt Ion: 105 Resp: 276863

Ion Ratio Lower Upper

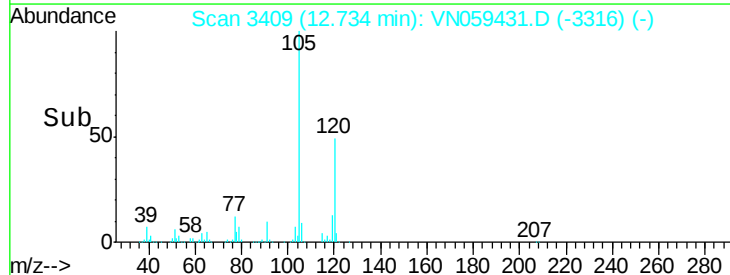
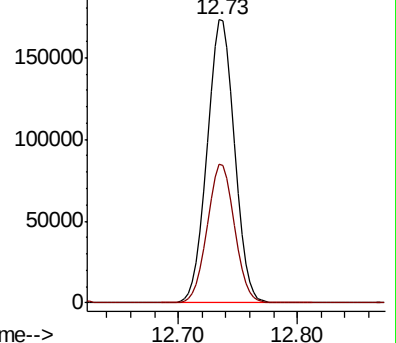
105 100

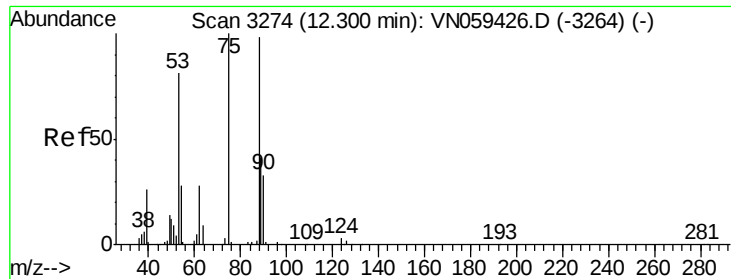
120 48.7 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN059426.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN059426.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.419 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

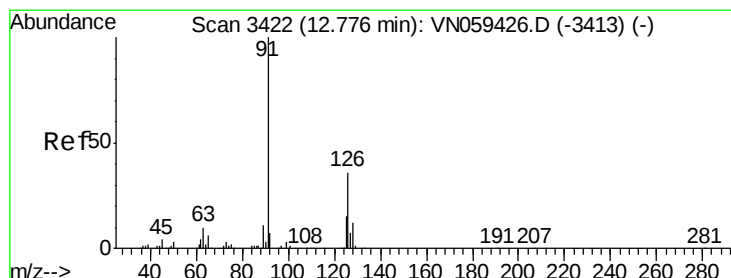
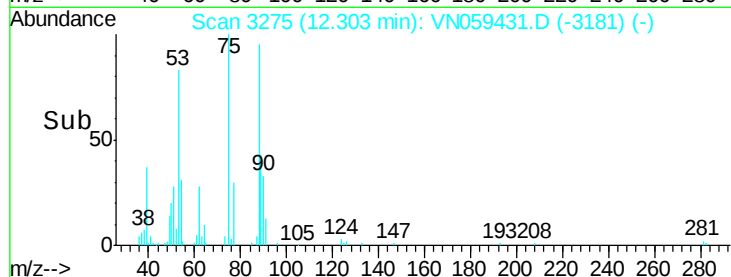
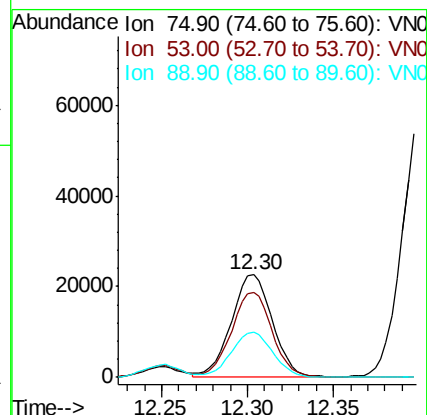
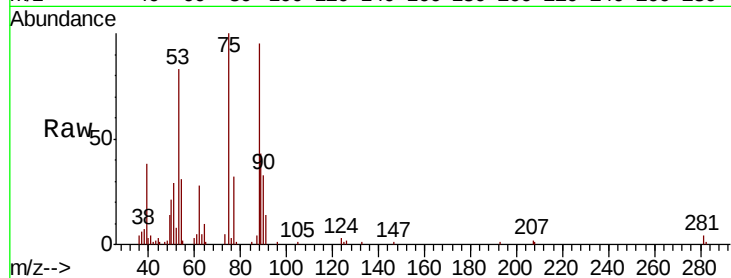
Tot Ion: 75 Resp: 38025

Ion Ratio Lower Upper

75 100

53 81.6 66.2 99.4

89 43.7 33.9 50.9



#82

4-Chlorotoluene

Concen: 19.275 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059431.D

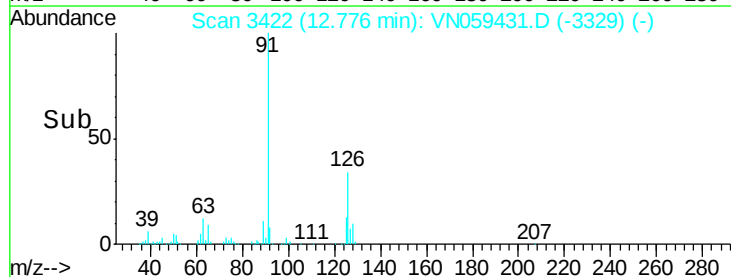
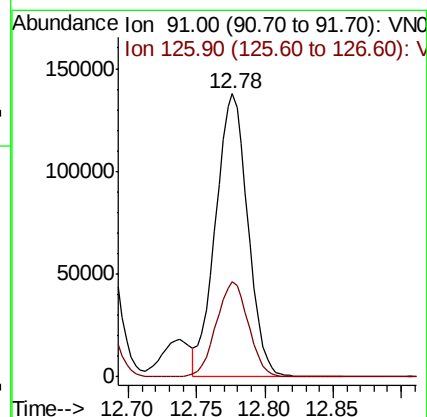
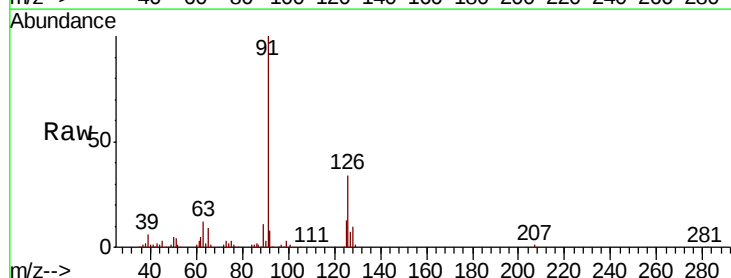
Acq: 27 Nov 2019 19:10

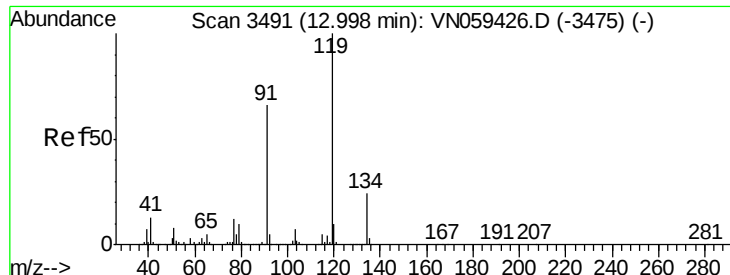
Tgt Ion: 91 Resp: 225109

Ion Ratio Lower Upper

91 100

126 33.6 16.7 50.0





#83

tert-Butylbenzene

Concen: 19.936 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

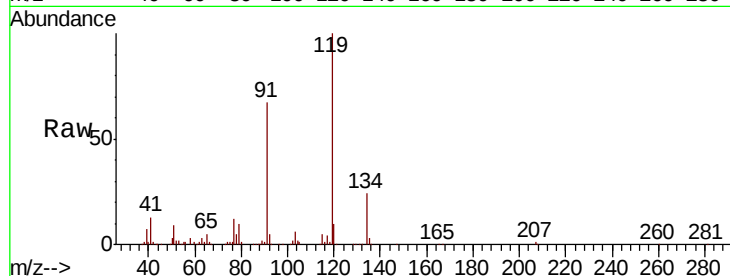
Tot Ion:119 Resp: 237077

Ion Ratio Lower Upper

119 100

91 65.0 32.8 98.4

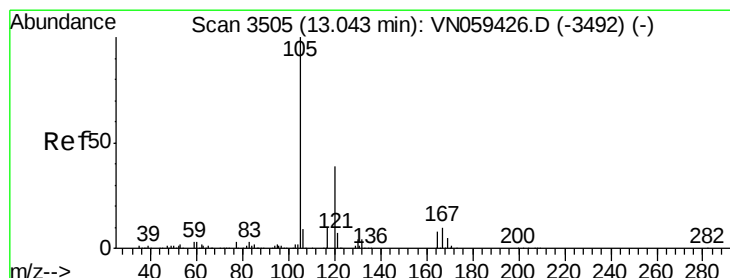
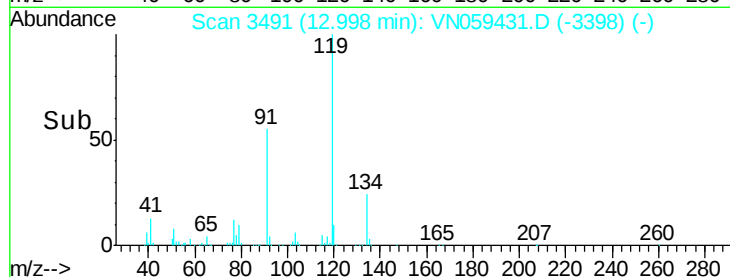
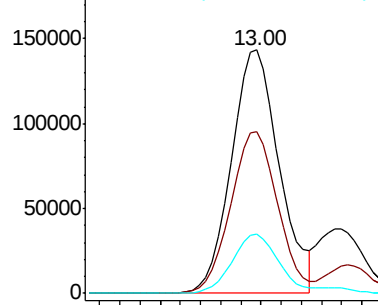
134 23.6 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.010 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059431.D

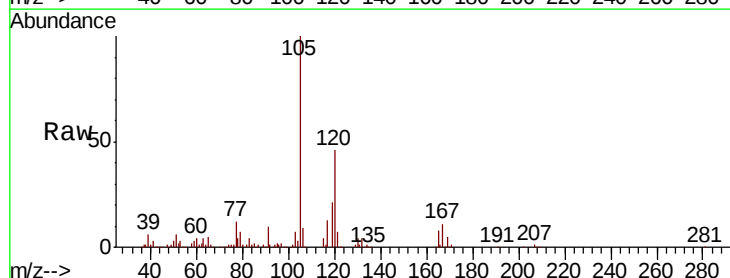
Acq: 27 Nov 2019 19:10

Tgt Ion:105 Resp: 271477

Ion Ratio Lower Upper

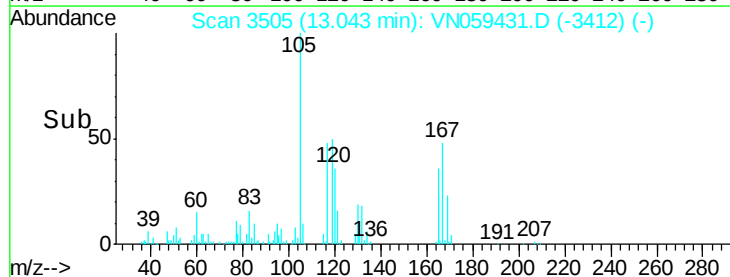
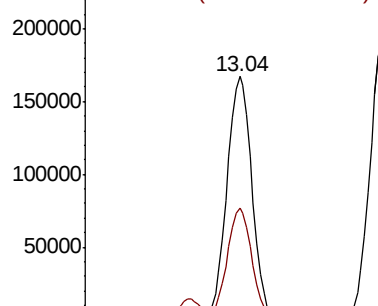
105 100

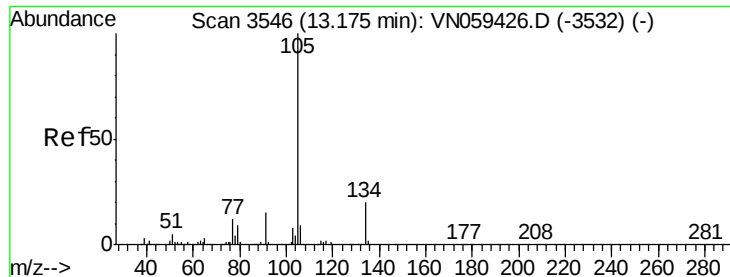
120 45.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.835 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

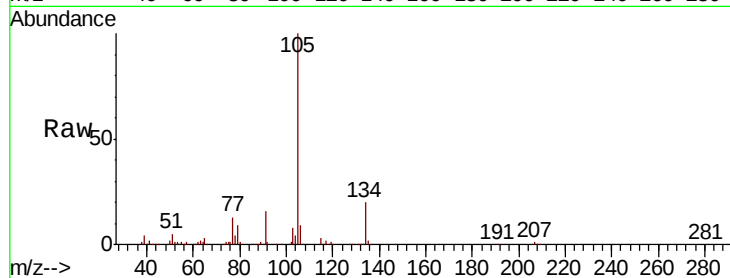
ClientSampleId :

Tot Ion:105 Resp: 313244

Ion Ratio Lower Upper

105 100

134 19.7 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

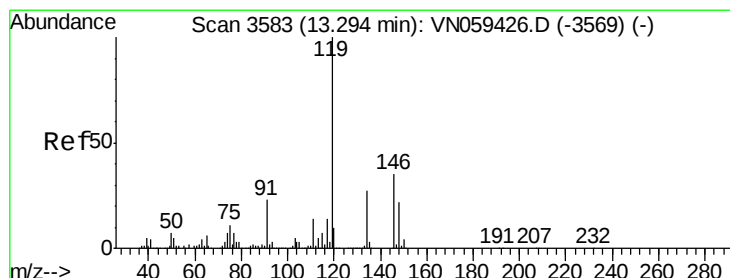
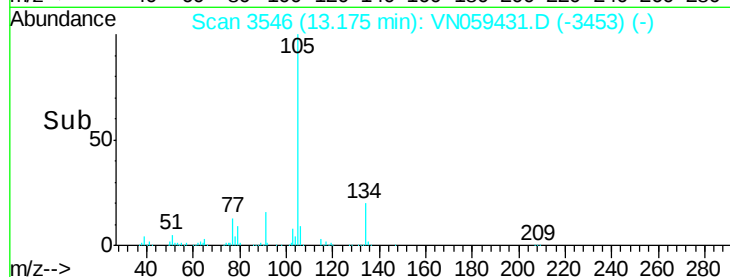
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.480 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

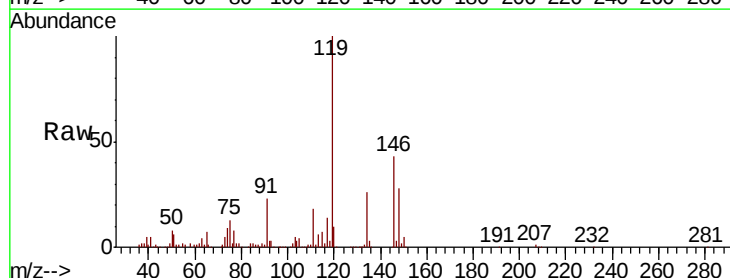
Tgt Ion:119 Resp: 278107

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 23.3 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

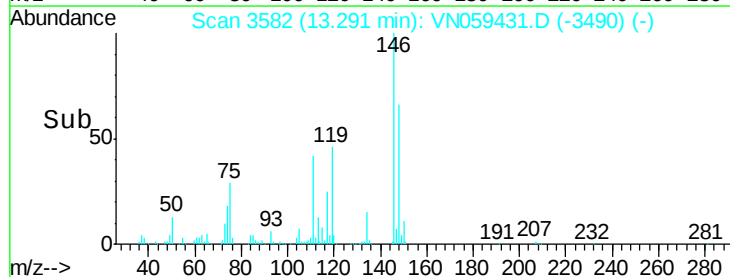
150000

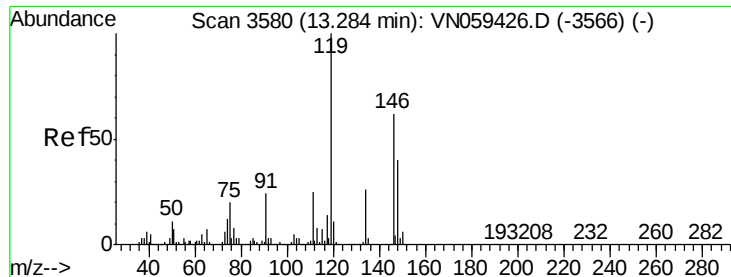
100000

50000

0

Time--> 13.20 13.30

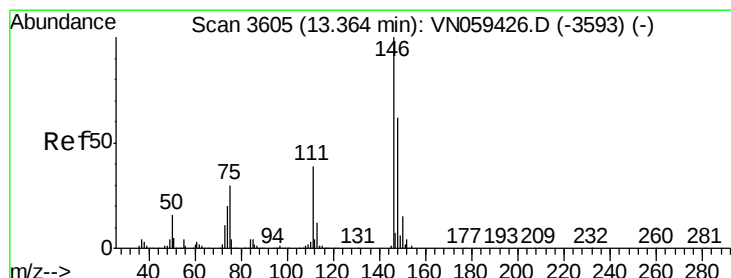
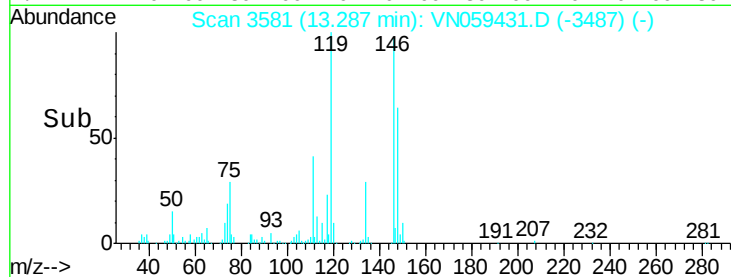
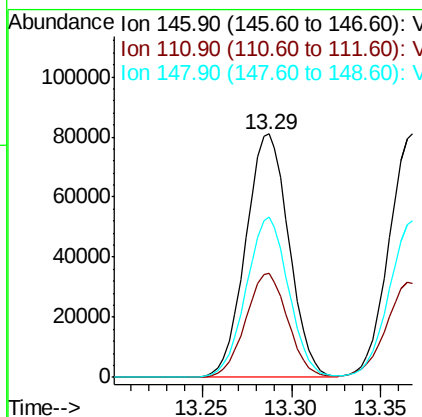
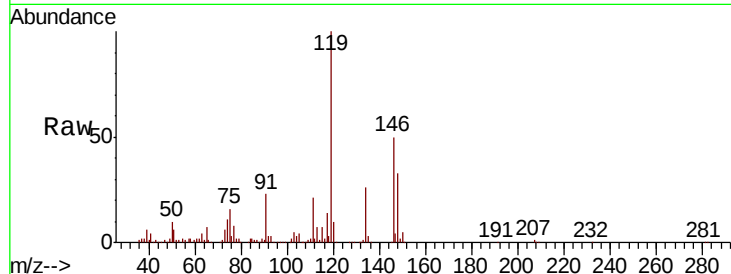




#87
 1,3-Dichlorobenzene
 Concen: 19.234 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

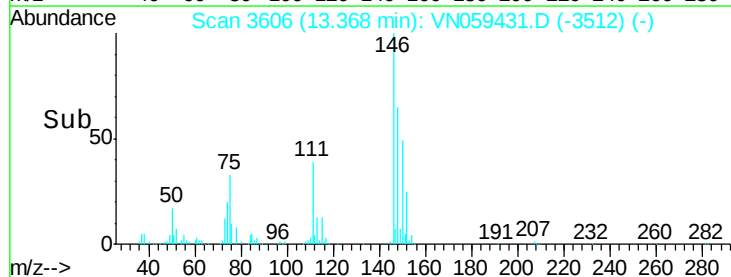
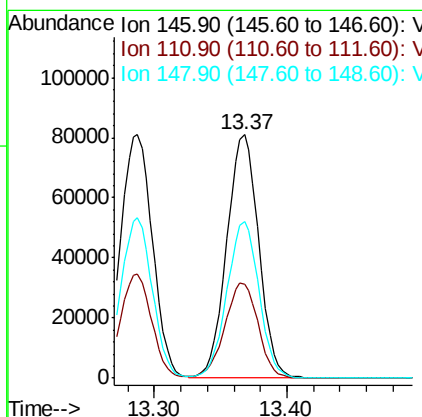
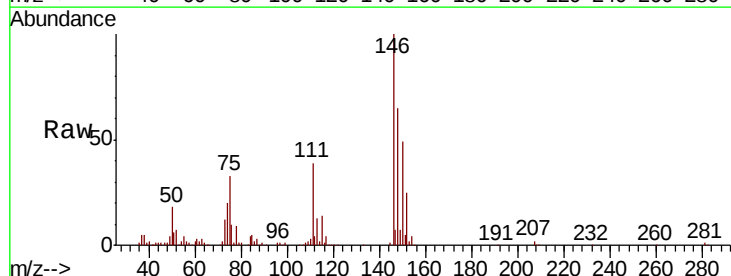
Instrument :
 MSVOA_N
 ClientSampleId :

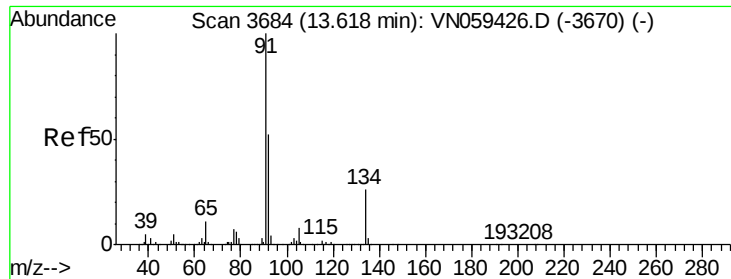
Tot Ion:146 Resp: 137498
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.4 61.2
 148 64.5 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 18.919 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

Tgt Ion:146 Resp: 135776
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.9 59.7
 148 64.1 31.6 95.0

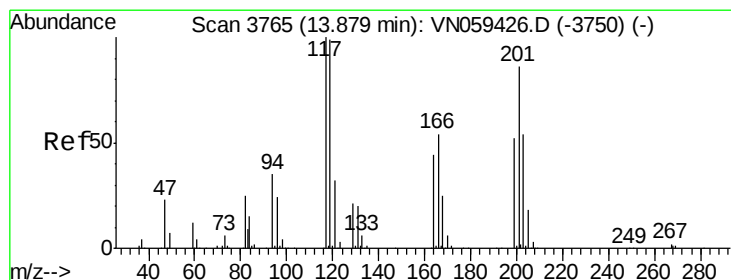
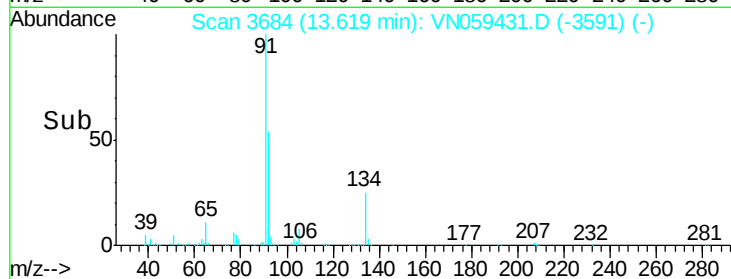
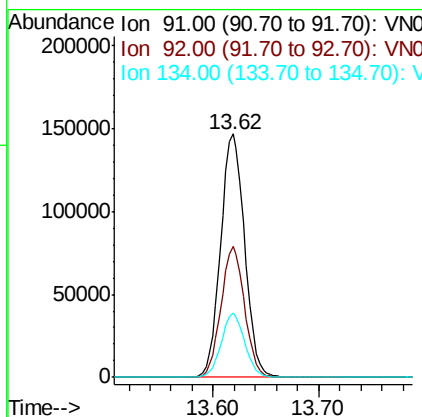
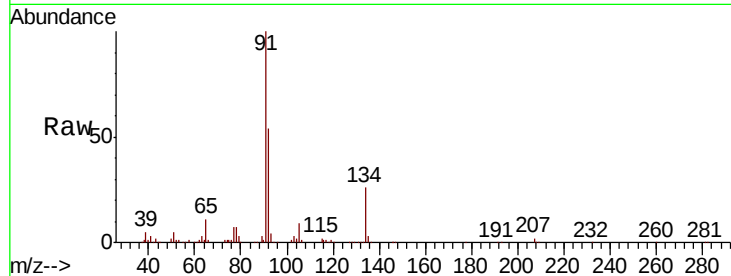




#89
n-Butylbenzene
Concen: 18.513 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

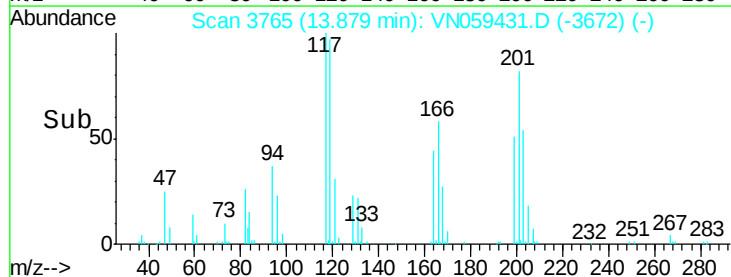
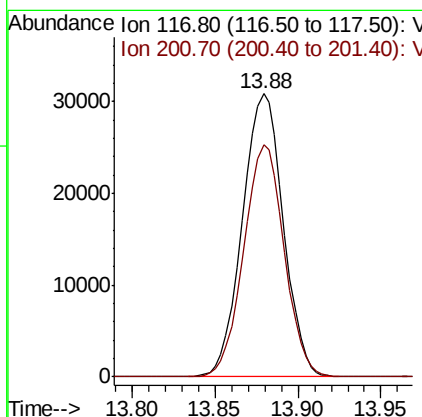
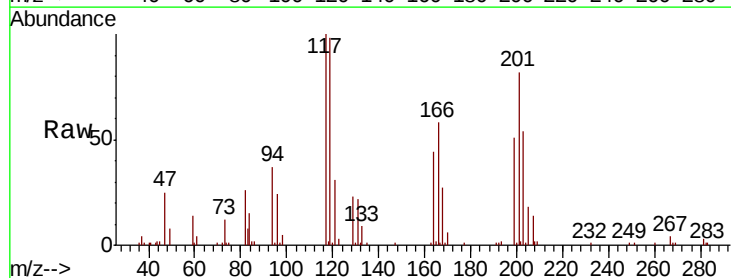
Instrument :
MSVOA_N
ClientSampleId :

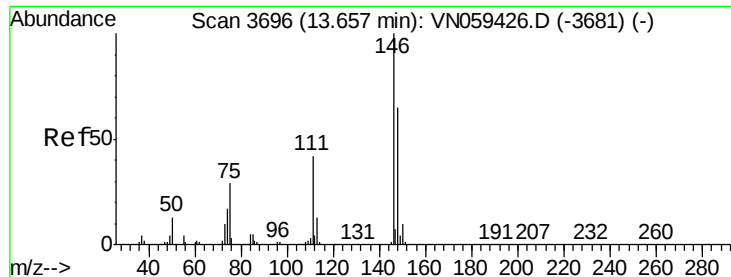
Tot Ion: 91 Resp: 231039
Ion Ratio Lower Upper
91 100
92 52.7 25.9 77.8
134 25.7 12.8 38.4



#90
Hexachloroethane
Concen: 19.355 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059431.D
Acq: 27 Nov 2019 19:10

Tgt Ion: 117 Resp: 52814
Ion Ratio Lower Upper
117 100
201 81.2 42.1 126.4





#91

1,2-Dichlorobenzene

Concen: 19.008 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059431.D

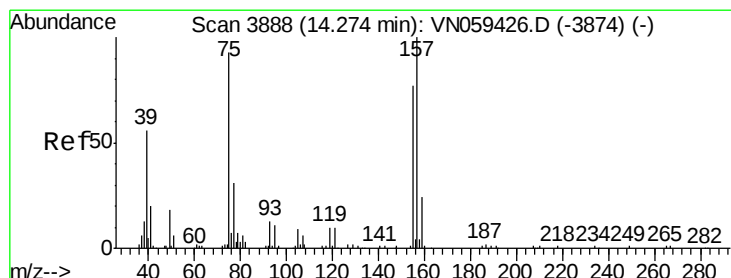
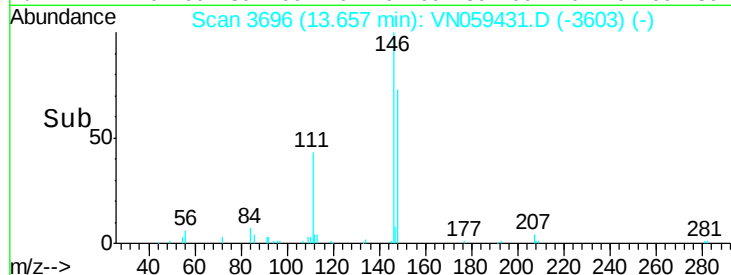
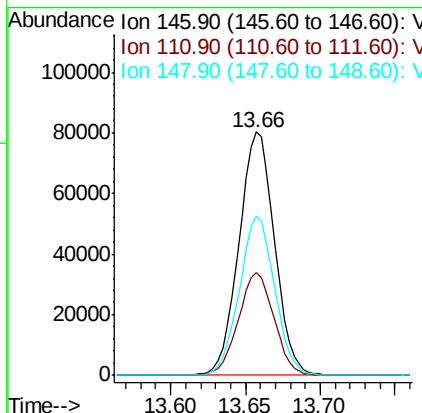
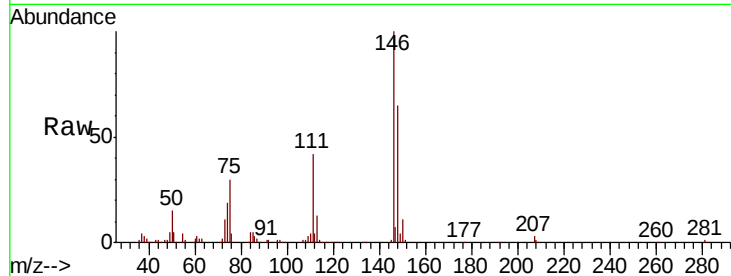
Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146	Resp:	133147
Ion	Ratio	Lower Upper
146	100	
111	42.3	21.3 63.7
148	64.9	32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.813 ug/l

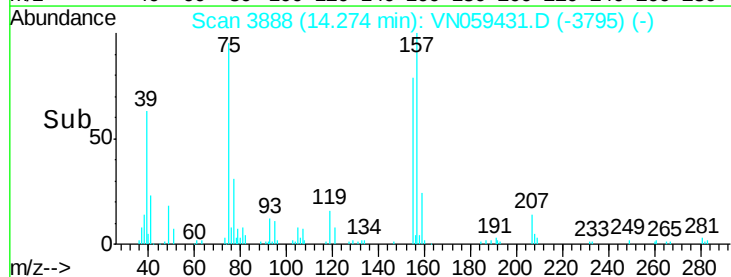
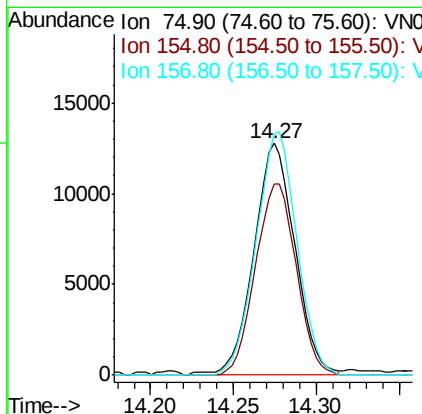
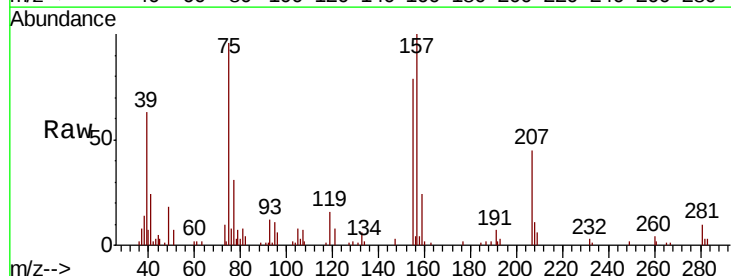
RT: 14.27 min Scan# 3888

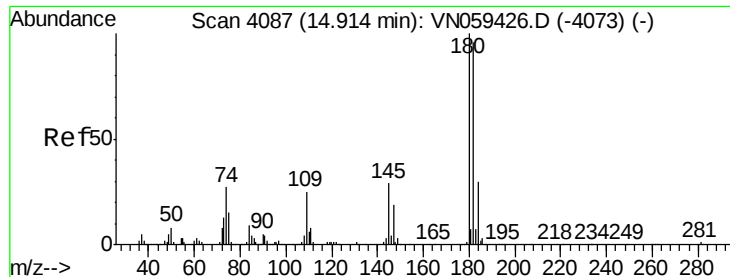
Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Tgt Ion: 75	Resp:	22034
Ion	Ratio	Lower Upper
75	100	
155	81.5	41.9 125.8
157	104.2	54.1 162.3

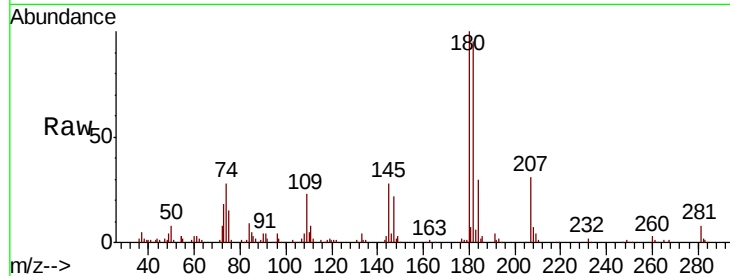




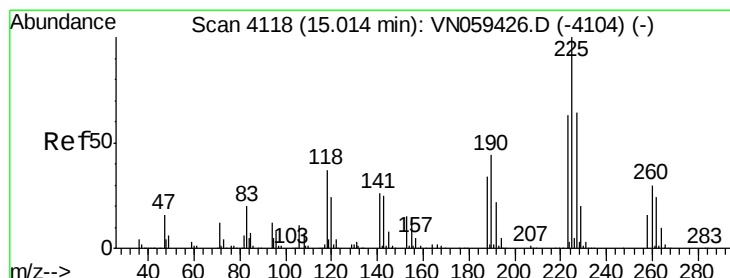
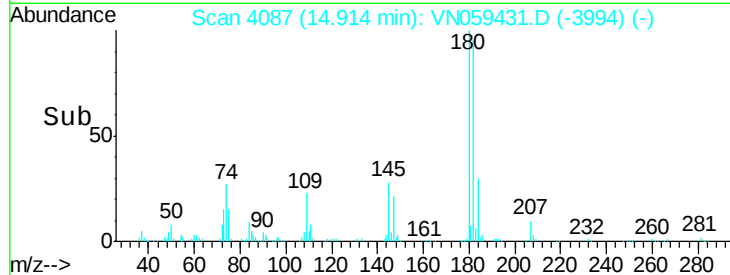
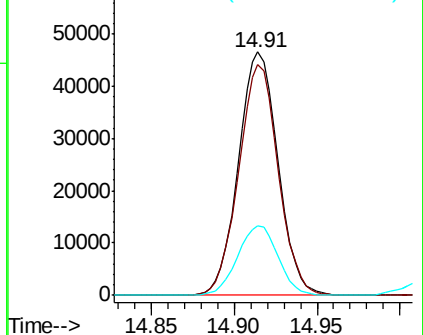
#93
 1,2,4-Trichlorobenzene
 Concen: 17.693 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 77038
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.3 142.0
 145 29.3 14.8 44.4

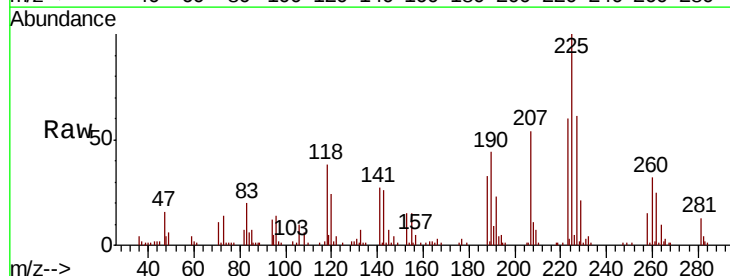


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

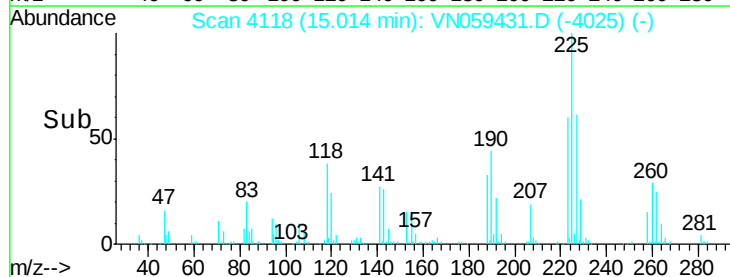
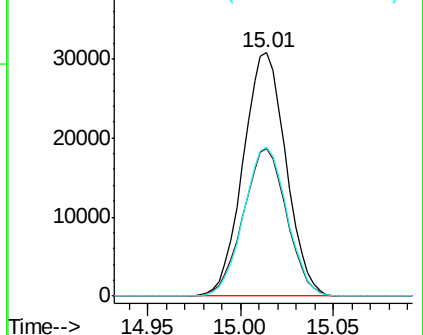


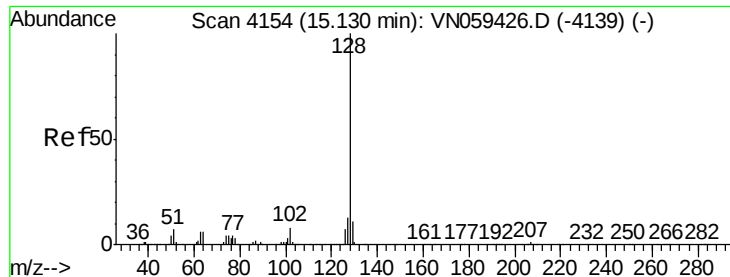
#94
 Hexachlorobutadiene
 Concen: 18.563 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059431.D
 Acq: 27 Nov 2019 19:10

Tgt Ion:225 Resp: 49534
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.5 94.5
 227 62.0 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.797 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

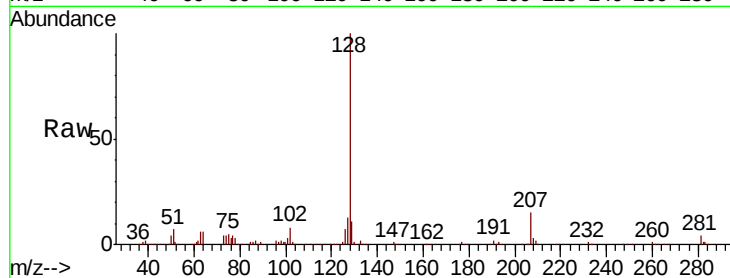
Tot Ion:128 Resp: 207351

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

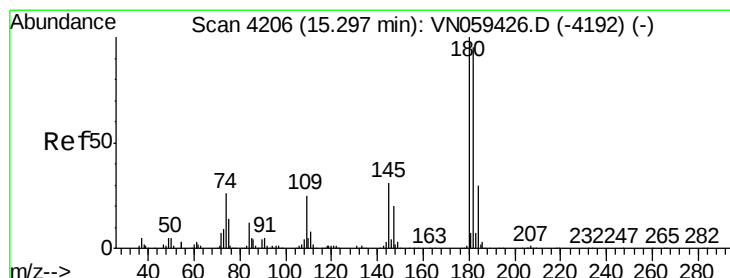
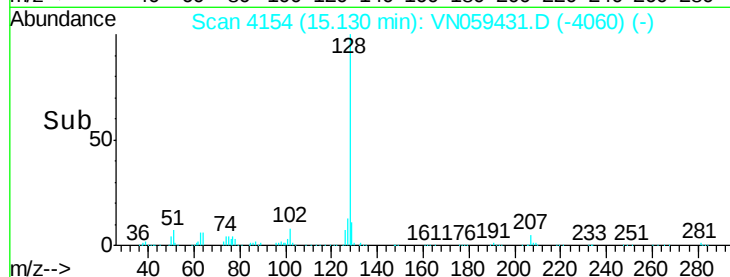
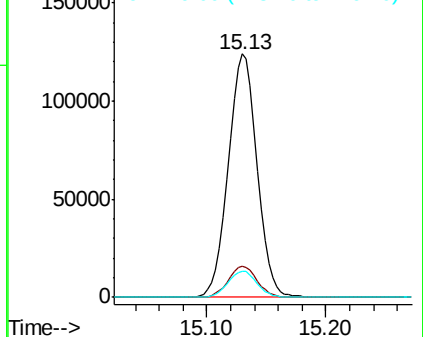
129 10.9 8.6 12.8



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: 21.983 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059431.D

Acq: 27 Nov 2019 19:10

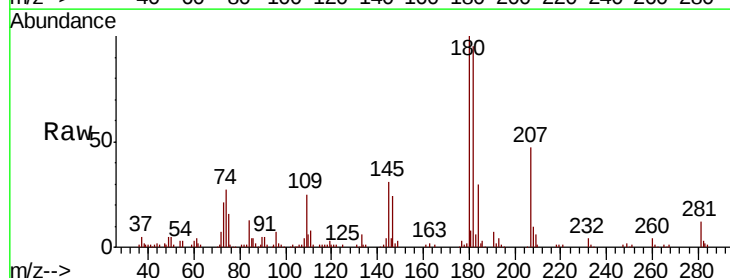
Tgt Ion:180 Resp: 79225

Ion Ratio Lower Upper

180 100

182 96.0 47.5 142.6

145 32.5 15.7 47.1



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

