

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059439.D
 Acq On : 29 Nov 2019 11:50
 Operator : JC/SP
 Sample : VN1129WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 22:25:10 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	7.64	168	397807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	616216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	551391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	253572	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	241712	51.87	ug/l	0.00
Spiked Amount						
						Recovery = 103.74%
35) Dibromofluoromethane	7.57	113	197017	52.49	ug/l	0.00
Spiked Amount						
						Recovery = 104.98%
50) Toluene-d8	10.08	98	778169	52.03	ug/l	0.00
Spiked Amount						
						Recovery = 104.06%
62) 4-Bromofluorobenzene	12.40	95	272897	52.41	ug/l	0.00
Spiked Amount						
						Recovery = 104.82%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	91911	19.630	ug/l	99
3) Chloromethane	2.04	50	110219	19.272	ug/l	100
4) Vinyl Chloride	2.17	62	104260	18.971	ug/l	98
5) Bromomethane	2.55	94	62754	18.965	ug/l	96
6) Chloroethane	2.69	64	58993	19.144	ug/l	99
7) Trichlorofluoromethane	3.00	101	125391	19.155	ug/l	98
8) Diethyl Ether	3.39	74	50673	19.020	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76252	18.913	ug/l	99
10) Methyl Iodide	3.92	142	96871	18.460	ug/l	98
11) Tert butyl alcohol	4.75	59	75020	92.932	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	76780	19.446	ug/l	99
13) Acrolein	3.58	56	79648	101.073	ug/l	98
14) Allyl chloride	4.29	41	137882	18.829	ug/l	97
15) Acrylonitrile	4.95	53	215302	95.714	ug/l	100
16) Acetone	3.79	43	232641	104.795	ug/l	99
17) Carbon Disulfide	4.03	76	242705	17.913	ug/l	99
18) Methyl Acetate	4.29	43	111801	18.493	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	251201	19.743	ug/l	100
20) Methylene Chloride	4.52	84	86064	19.079	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	82019	19.066	ug/l	97
22) Diisopropyl ether	5.92	45	270552	19.882	ug/l	94
23) Vinyl Acetate	5.86	43	1095311	99.768	ug/l	100
24) 1,1-Dichloroethane	5.82	63	154812	19.773	ug/l	100
25) 2-Butanone	6.81	43	297769	97.501	ug/l	99
26) 2,2-Dichloropropane	6.80	77	129187	19.388	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	90157	19.163	ug/l	99
28) Bromochloromethane	7.17	49	67019	20.778	ug/l	99
29) Tetrahydrofuran	7.18	42	192669	94.857	ug/l	99
30) Chloroform	7.35	83	166841	21.176	ug/l	98
31) Cyclohexane	7.63	56	148162	18.876	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	124798	19.369	ug/l	98
36) 1,1-Dichloropropene	7.77	75	114668	19.351	ug/l	100
37) Ethyl Acetate	6.90	43	117687	18.771	ug/l	99
38) Carbon Tetrachloride	7.75	117	111631	19.961	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	136293	19.225	ug/l	100
40) Benzene	8.02	78	343295	19.511	ug/l	98
41) Methacrylonitrile	7.18	41	164721	56.423	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	112461	20.158	ug/l	100
43) Isopropyl Acetate	8.14	43	185383	19.464	ug/l	100
44) Trichloroethene	8.82	130	88966	19.831	ug/l	99
45) 1,2-Dichloropropane	9.10	63	91221	19.821	ug/l	100
46) Dibromomethane	9.19	93	54939	19.344	ug/l	98
47) Bromodichloromethane	9.39	83	114015	19.849	ug/l	99
48) Methyl methacrylate	9.19	41	80163	18.971	ug/l	98
49) 1,4-Dioxane	9.19	88	26251	425.357	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	553310	100.154	ug/l	99
52) Toluene	10.15	92	206571	19.652	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	127869	19.373	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	141581	19.870	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	80714	19.618	ug/l	98
56) Ethyl methacrylate	10.42	69	116472	20.783	ug/l	98
57) 1,3-Dichloropropane	10.70	76	137655	19.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	226639	128.563	ug/l	100
59) 2-Hexanone	10.74	43	403478	98.491	ug/l	100
60) Dibromochloromethane	10.90	129	85222	19.843	ug/l	99
61) 1,2-Dibromoethane	11.00	107	82726	19.622	ug/l	99
64) Tetrachloroethene	10.63	164	81407	19.961	ug/l	98
65) Chlorobenzene	11.43	112	214531	19.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	78566	19.408	ug/l	99
67) Ethyl Benzene	11.51	91	385591	19.666	ug/l	99
68) m/p-Xylenes	11.62	106	287874	39.325	ug/l	99
69) o-Xylene	11.95	106	137039	19.520	ug/l	100
70) Styrene	11.96	104	215150	20.668	ug/l	100
71) Bromoform	12.13	173	59780	19.394	ug/l #	99
73) Isopropylbenzene	12.25	105	366701	19.521	ug/l	100
74) N-amyl acetate	12.07	43	135093	20.755	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	115583	18.868	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	155796	27.159	ug/l #	100
77) Bromobenzene	12.53	156	90720	19.726	ug/l	97
78) n-propylbenzene	12.59	91	423209	19.550	ug/l	100
79) 2-Chlorotoluene	12.67	91	252202	19.487	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	307311	19.462	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40068	17.947	ug/l	97
82) 4-Chlorotoluene	12.77	91	253084	19.006	ug/l	100
83) tert-Butylbenzene	12.99	119	260934	19.245	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	301881	19.516	ug/l	99
85) sec-Butylbenzene	13.17	105	349309	19.400	ug/l	100
86) p-Isopropyltoluene	13.29	119	315531	19.384	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	156295	19.176	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	153777	18.793	ug/l	98
89) n-Butylbenzene	13.62	91	266042	18.697	ug/l	100
90) Hexachloroethane	13.88	117	57214	18.390	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	152374	19.079	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21463	19.906	ug/l	99

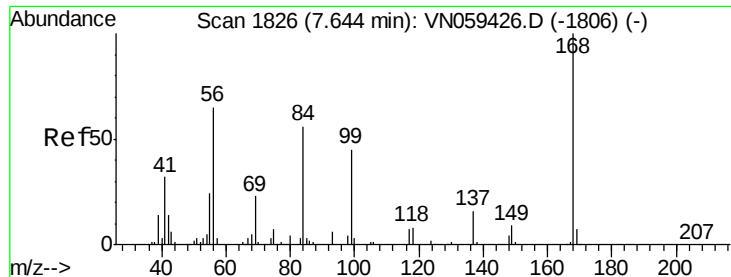
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Quant Title : SW846 8260
QLast Update : Wed Nov 27 16:56:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84904	17.102	ug/l	100
94) Hexachlorobutadiene	15.01	225	53752	17.668	ug/l	99
95) Naphthalene	15.13	128	210611	20.223	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	84278	20.397	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

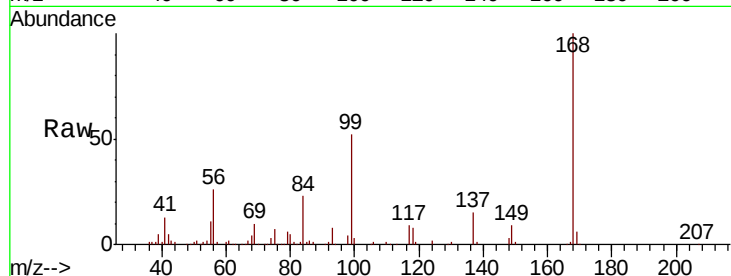
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 397807

Ion Ratio Lower Upper

168 100

99 52.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

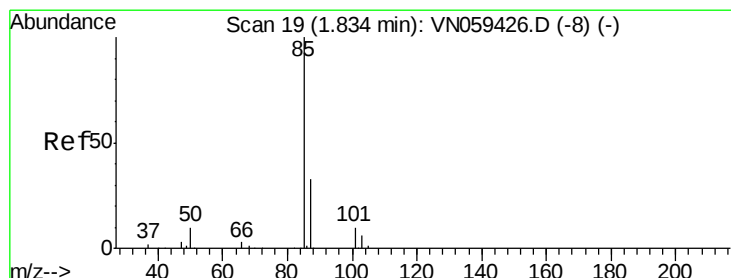
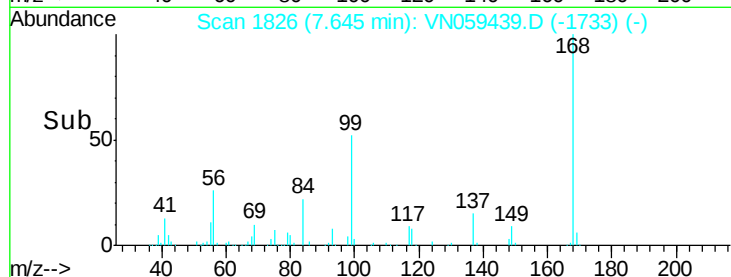
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.630 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059439.D

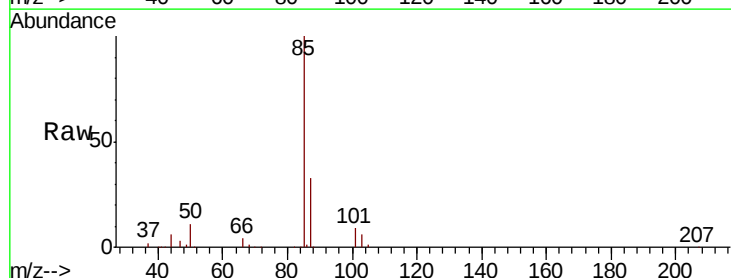
Acq: 29 Nov 2019 11:50

Tgt Ion: 85 Resp: 91911

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

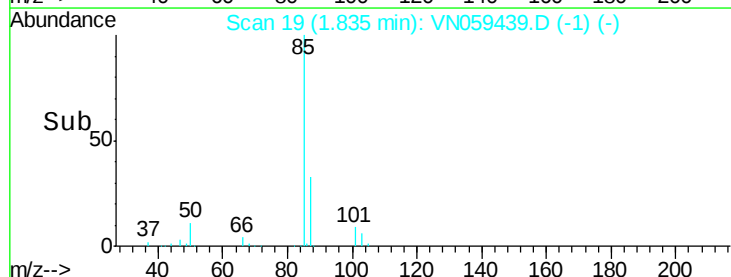
40000

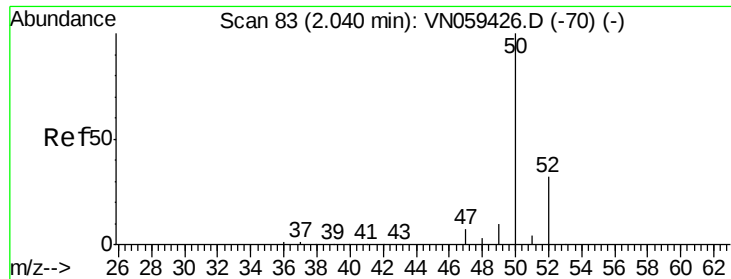
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.272 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

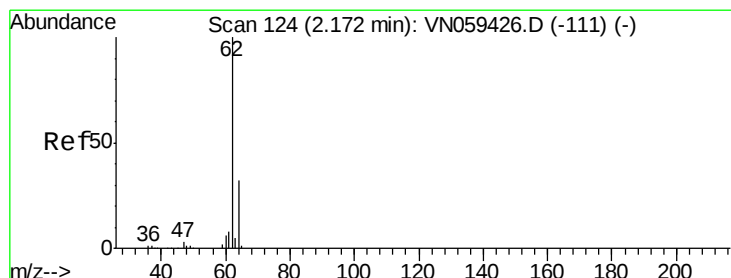
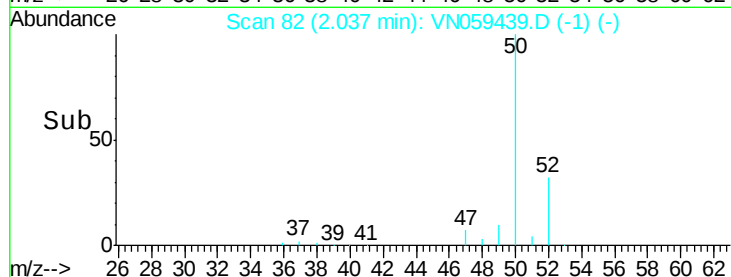
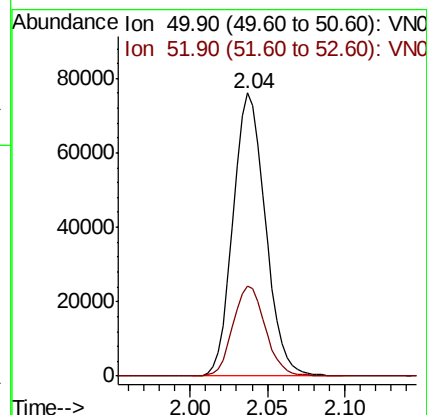
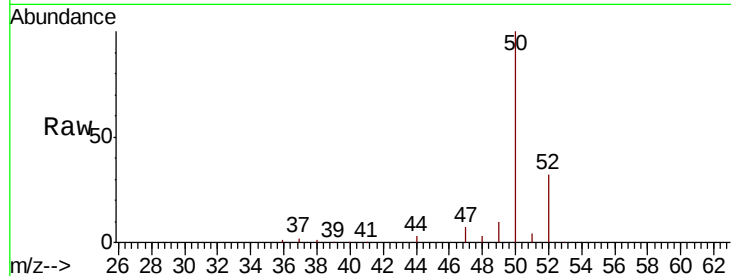
ClientSampled :

Tot Ion: 50 Resp: 110219

Ion Ratio Lower Upper

50 100

52 32.0 25.8 38.6



#4

Vinyl Chloride

Concen: 18.971 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059439.D

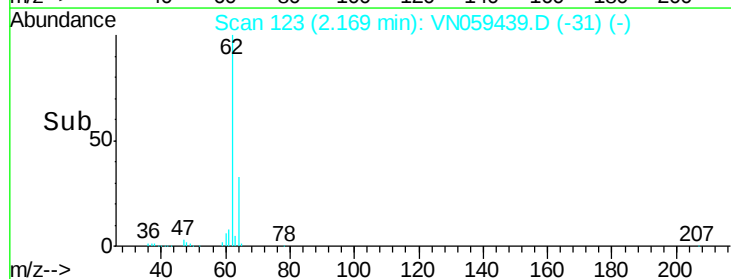
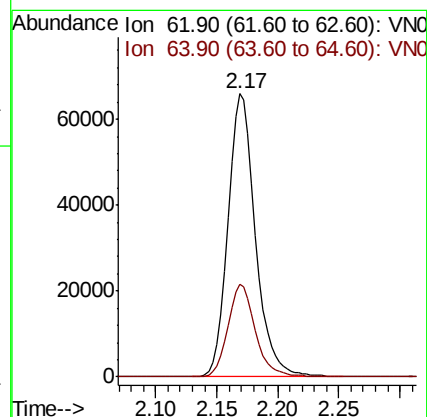
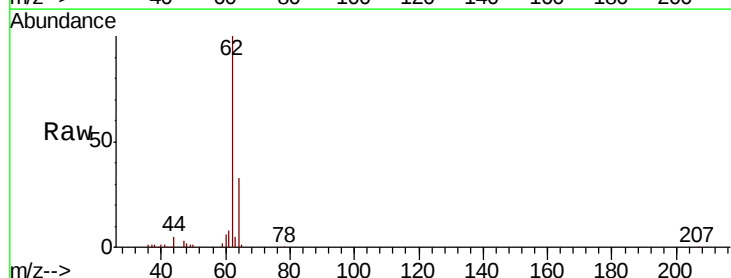
Acq: 29 Nov 2019 11:50

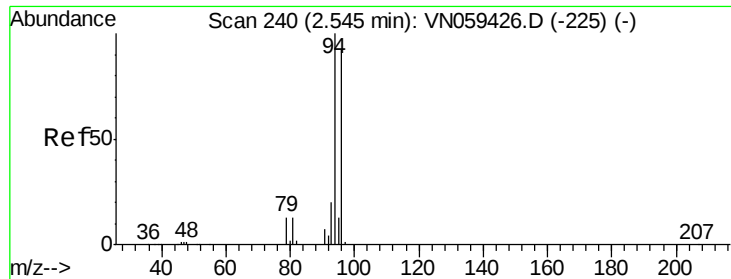
Tgt Ion: 62 Resp: 104260

Ion Ratio Lower Upper

62 100

64 32.6 25.2 37.8





#5

Bromomethane

Concen: 18.965 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

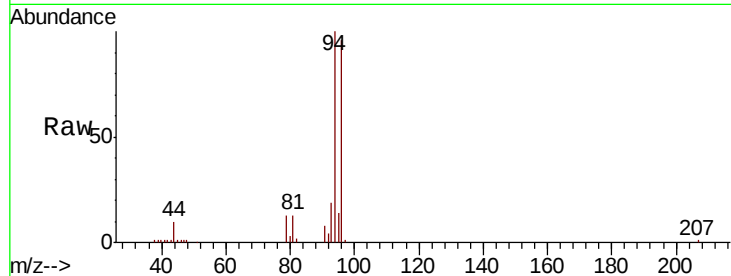
ClientSampleId :

Tot Ion: 94 Resp: 62754

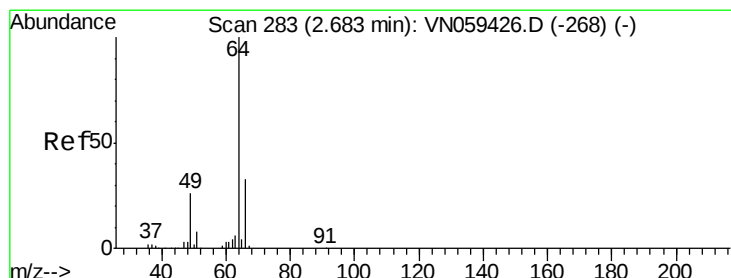
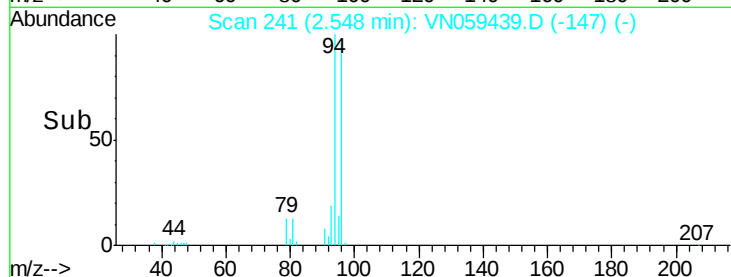
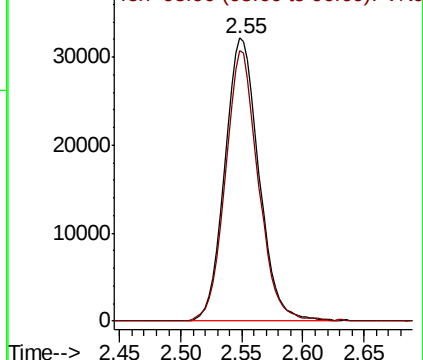
Ion Ratio Lower Upper

94 100

96 95.6 73.8 110.6



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



#6

Chloroethane

Concen: 19.144 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059439.D

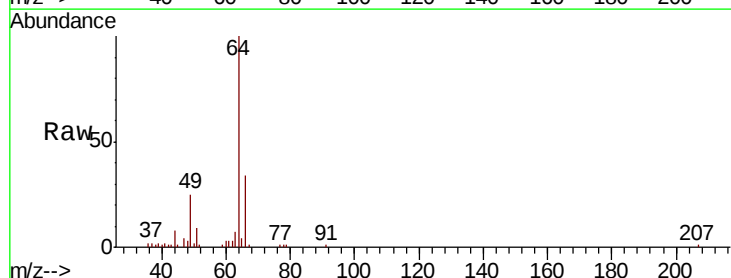
Acq: 29 Nov 2019 11:50

Tgt Ion: 64 Resp: 58993

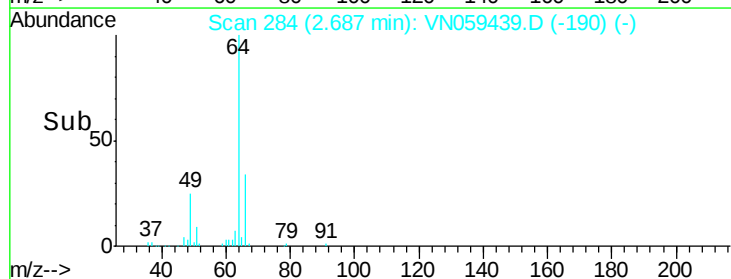
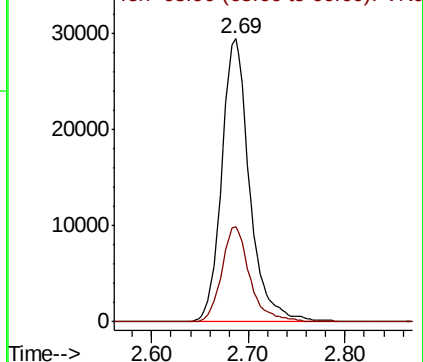
Ion Ratio Lower Upper

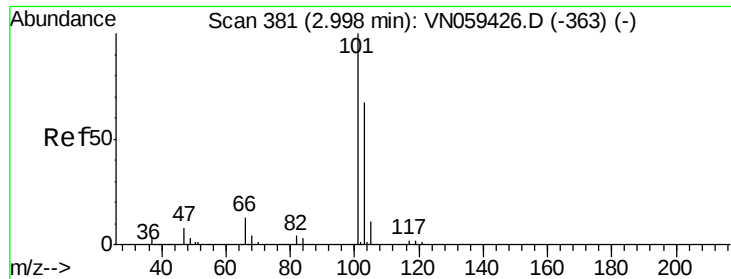
64 100

66 33.5 26.5 39.7



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



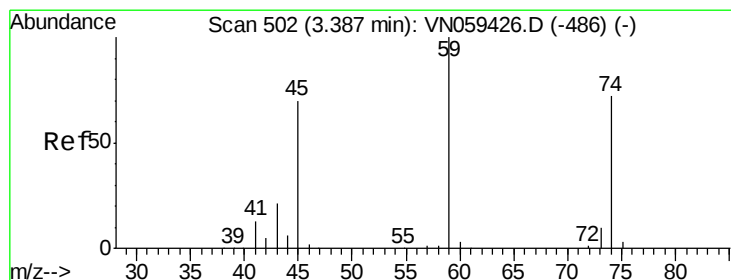
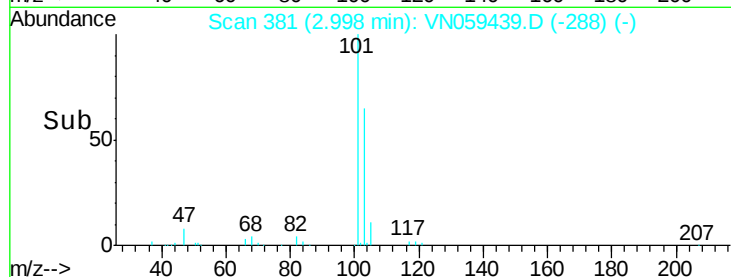
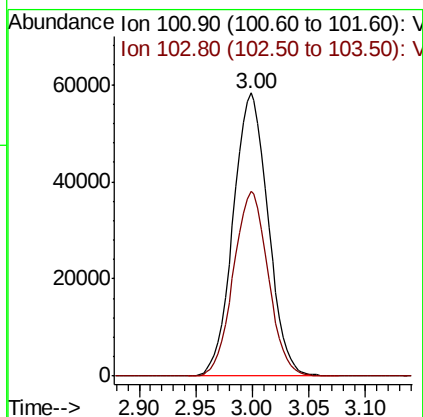
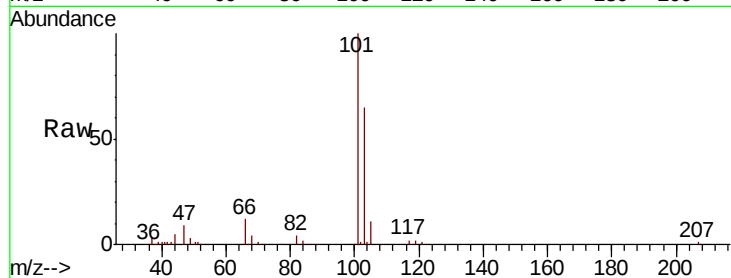


#7

Trichlorofluoromethane
 Concen: 19.155 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampled :

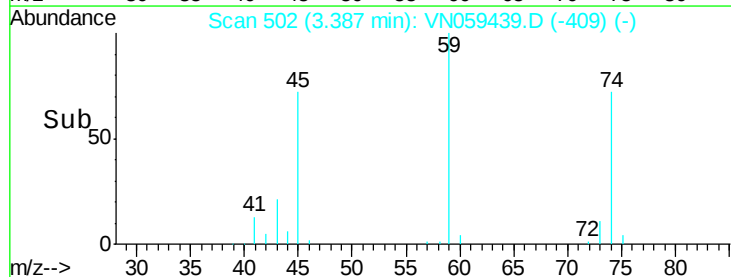
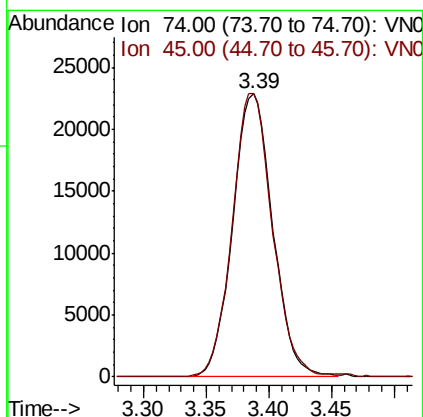
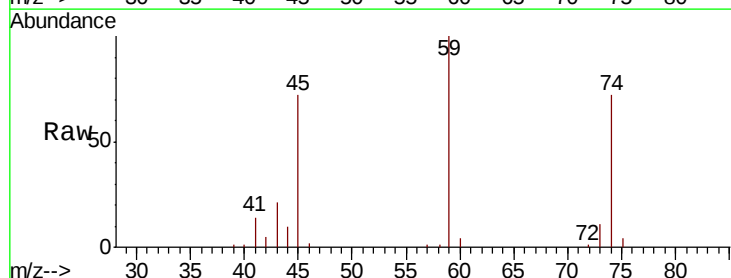
Tot Ion:101 Resp: 125391
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.6 80.4

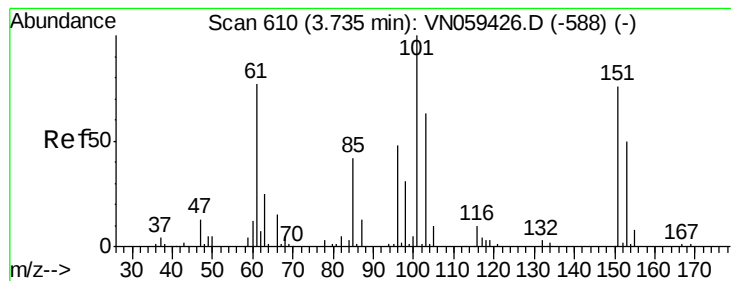


#8

Diethyl Ether
 Concen: 19.020 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion: 74 Resp: 50673
 Ion Ratio Lower Upper
 74 100
 45 100.4 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.913 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampled :

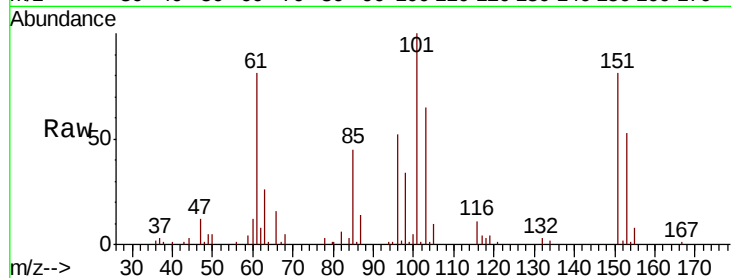
Tot Ion:101 Resp: 76252

Ion Ratio Lower Upper

101 100

85 43.1 34.2 51.2

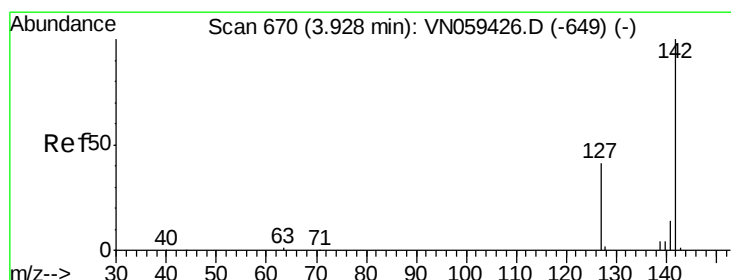
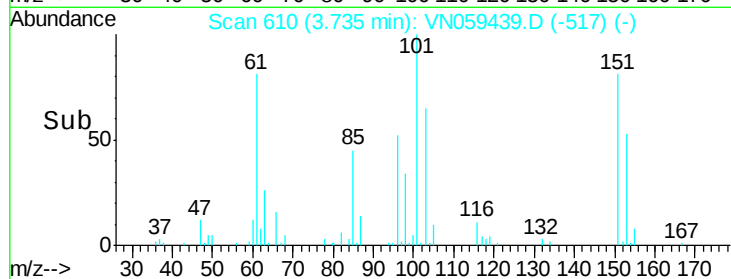
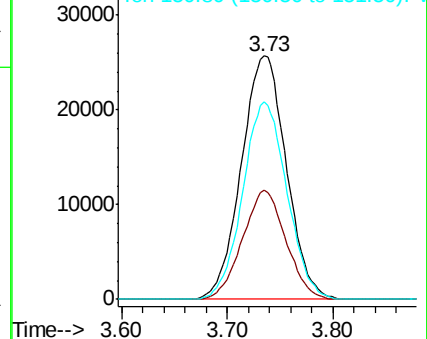
151 79.5 62.6 93.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.460 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

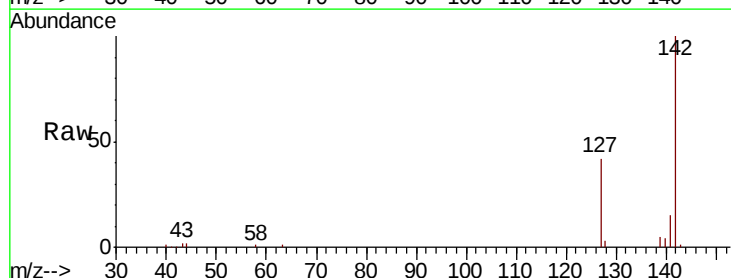
Tgt Ion:142 Resp: 96871

Ion Ratio Lower Upper

142 100

127 42.1 32.6 48.8

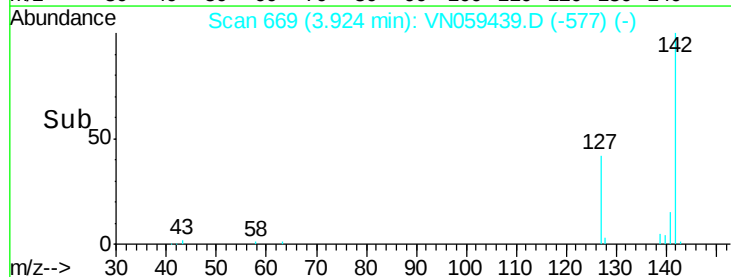
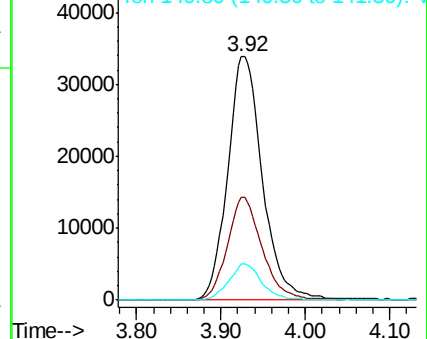
141 13.9 11.1 16.7

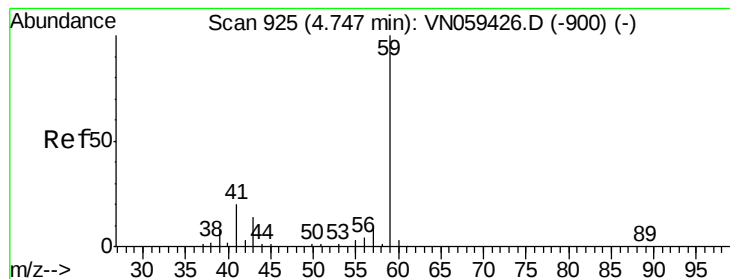


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



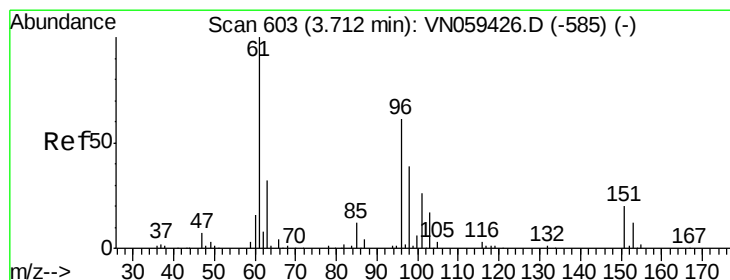
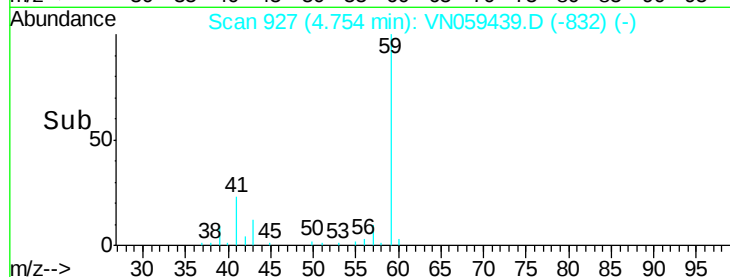
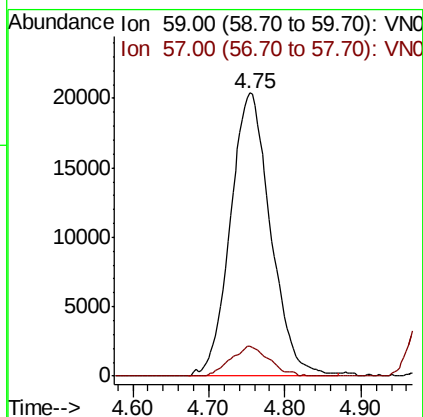
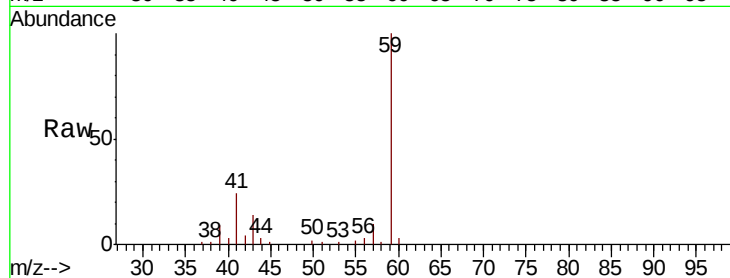


#11

Tert butyl alcohol
 Concen: 92.932 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampled :

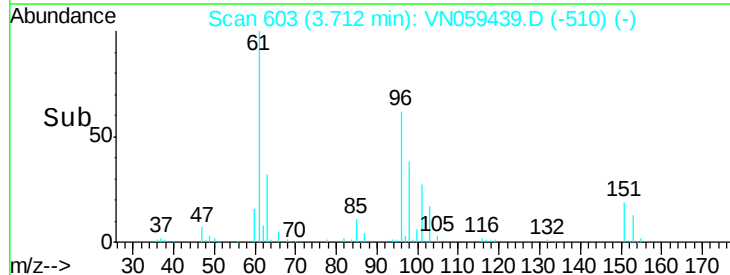
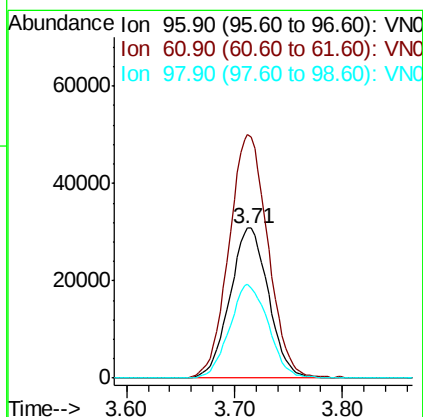
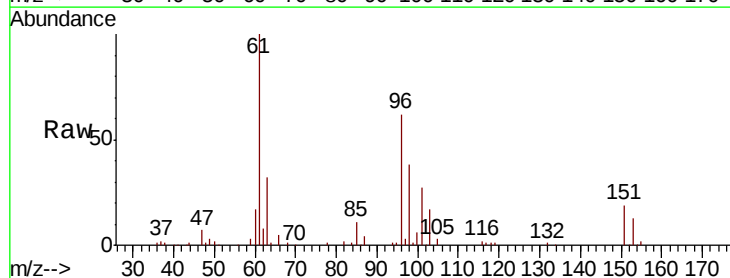
Tot Ion: 59 Resp: 75020
 Ion Ratio Lower Upper
 59 100
 57 10.0 3.8 5.8#

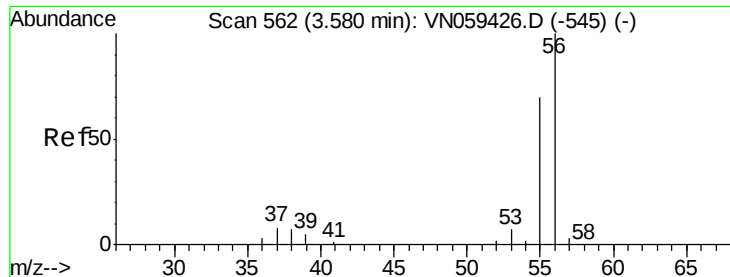


#12

1,1-Dichloroethene
 Concen: 19.446 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion: 96 Resp: 76780
 Ion Ratio Lower Upper
 96 100
 61 161.9 130.5 195.7
 98 62.5 51.3 76.9





#13

Acrolein

Concen: 101.073 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

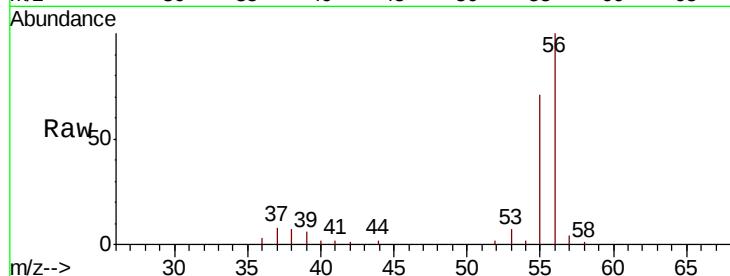
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 79648

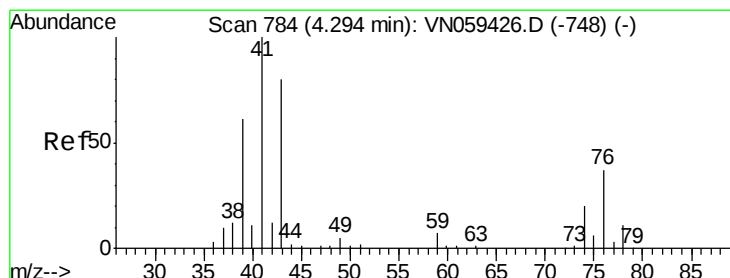
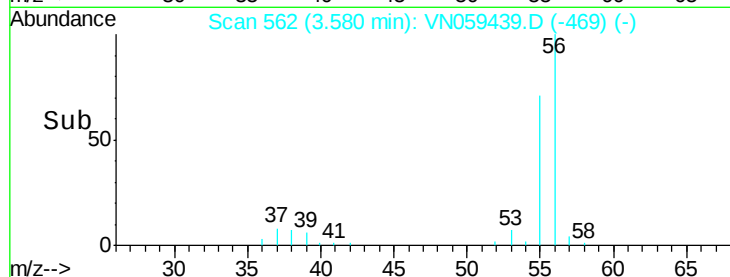
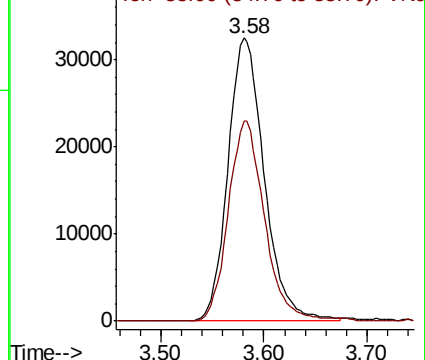
Ion Ratio Lower Upper

56 100

55 70.4 57.8 86.6



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 55.00 (54.70 to 55.70): VNC



#14

Allyl chloride

Concen: 18.829 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

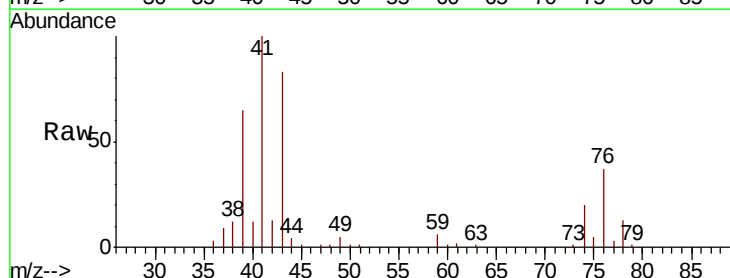
Tgt Ion: 41 Resp: 137882

Ion Ratio Lower Upper

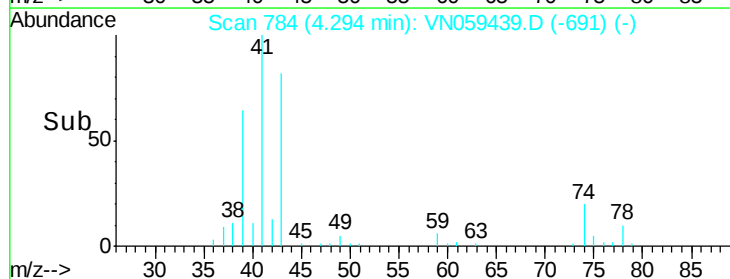
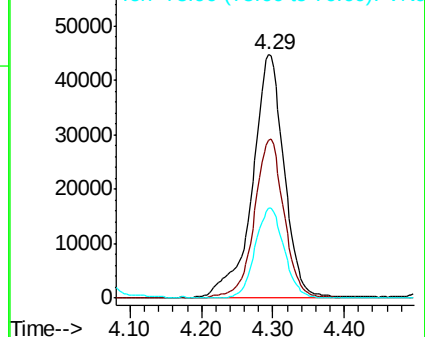
41 100

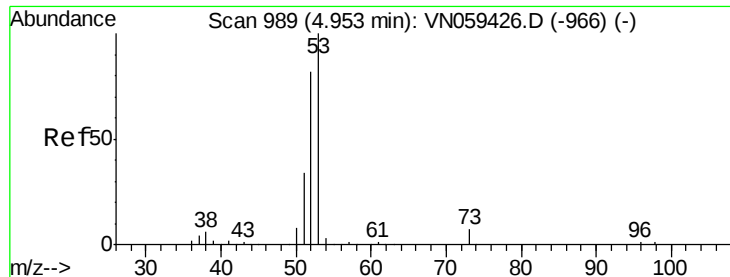
39 61.1 46.5 69.7

76 33.8 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 75.90 (75.60 to 76.60): VNC





#15

Acrylonitrile

Concen: 95.714 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

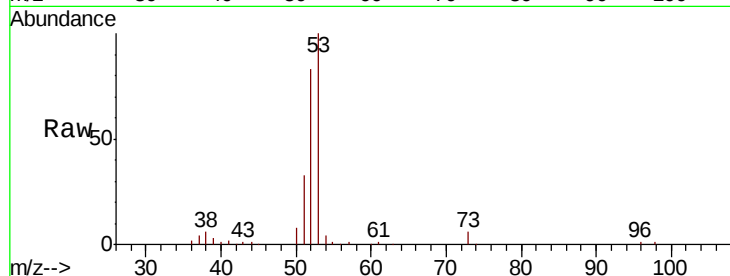
Tot Ion: 53 Resp: 215302

Ion Ratio Lower Upper

53 100

52 81.9 65.1 97.7

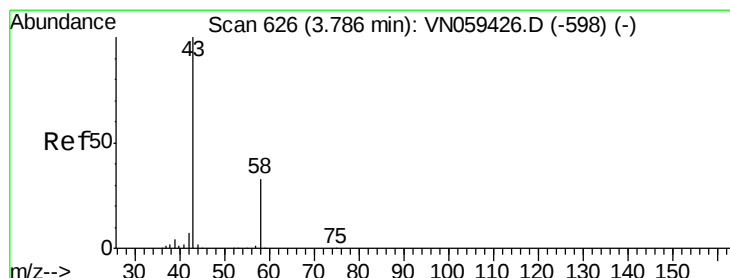
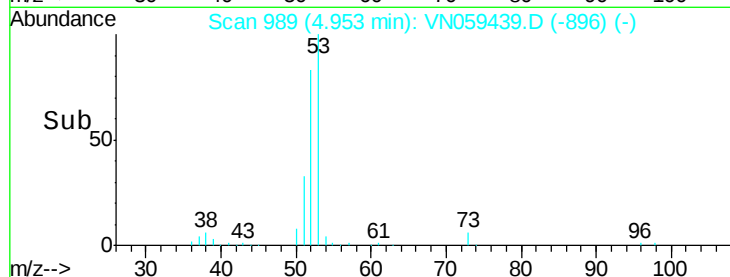
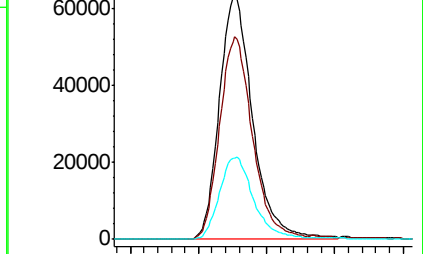
51 34.6 27.8 41.8



Abundance Ion 53.00 (52.70 to 53.70): VN059439.D (-896) (-)

Ion 52.00 (51.70 to 52.70): VN059439.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VN059439.D (-896) (-)



#16

Acetone

Concen: 104.795 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059439.D

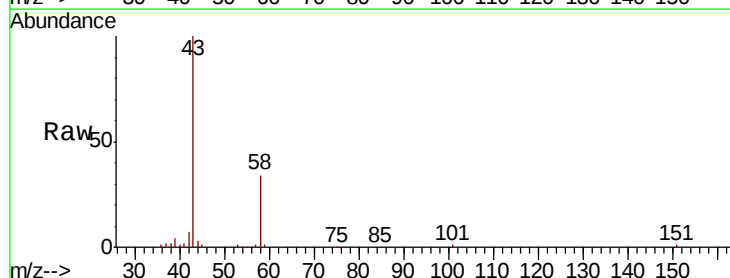
Acq: 29 Nov 2019 11:50

Tgt Ion: 43 Resp: 232641

Ion Ratio Lower Upper

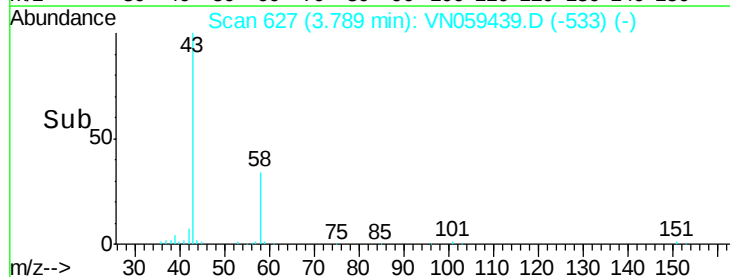
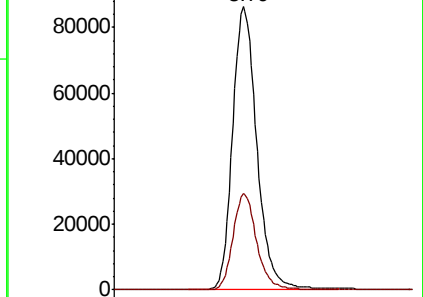
43 100

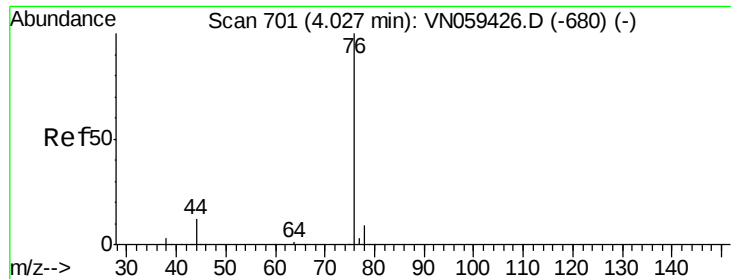
58 34.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN059439.D (-533) (-)

Ion 58.00 (57.70 to 58.70): VN059439.D (-533) (-)

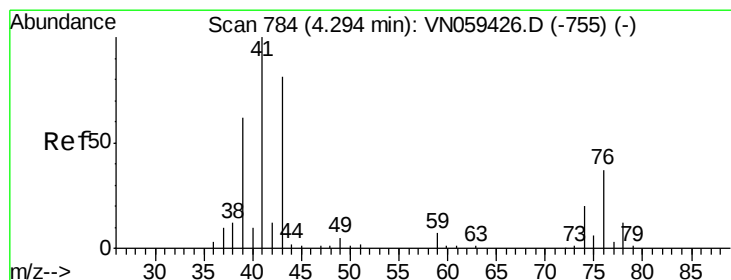
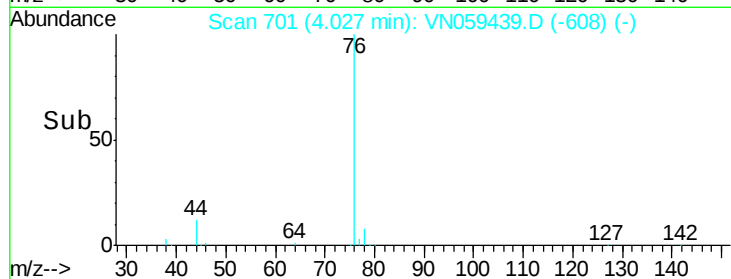
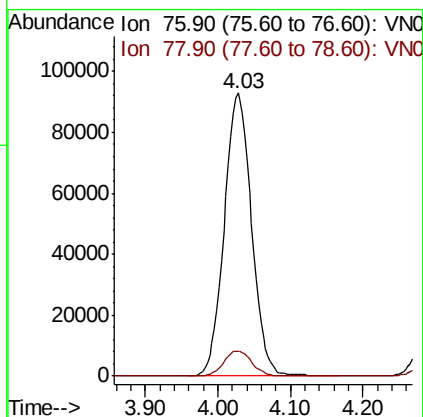
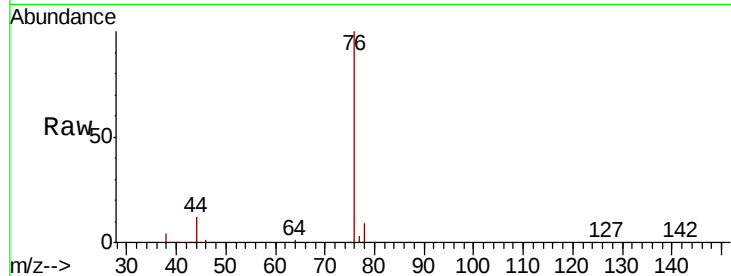




#17
Carbon Disulfide
Concen: 17.913 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

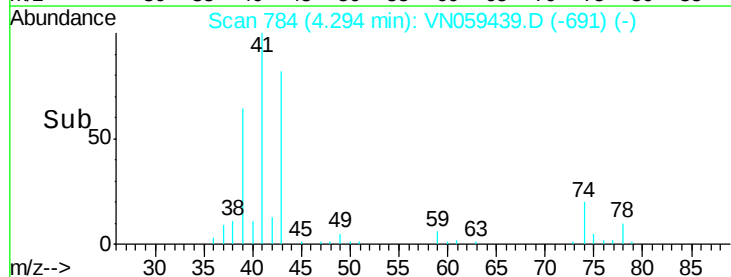
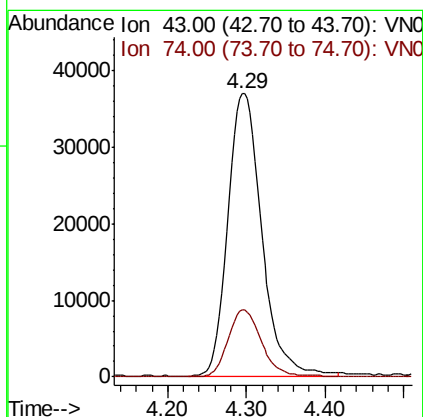
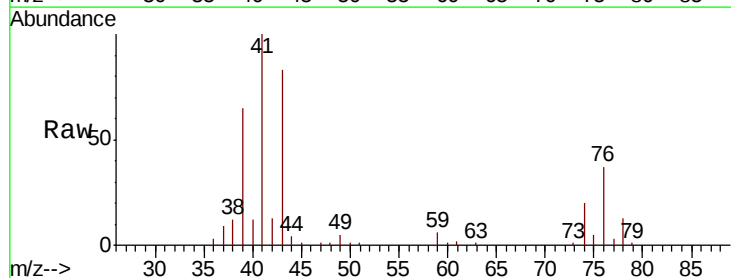
Instrument :
MSVOA_N
ClientSampled :

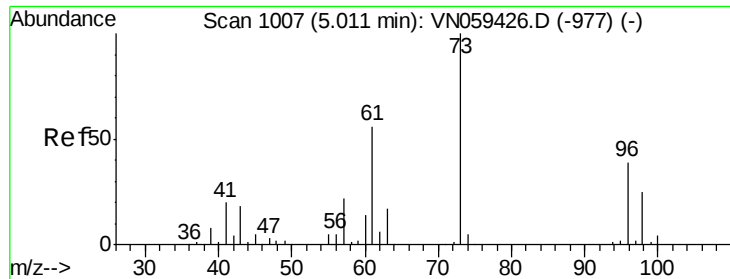
Tot Ion: 76 Resp: 242705
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 18.493 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 43 Resp: 111801
Ion Ratio Lower Upper
43 100
74 23.0 18.6 28.0

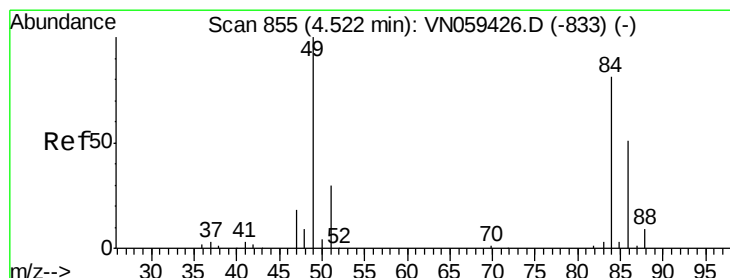
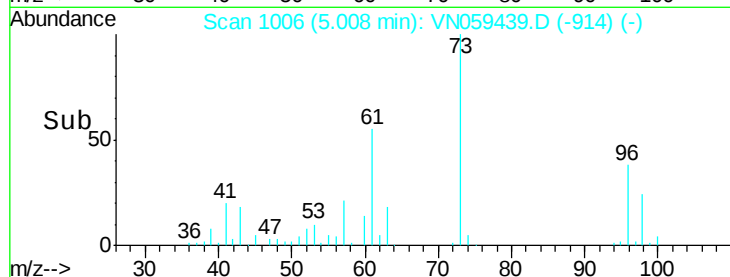
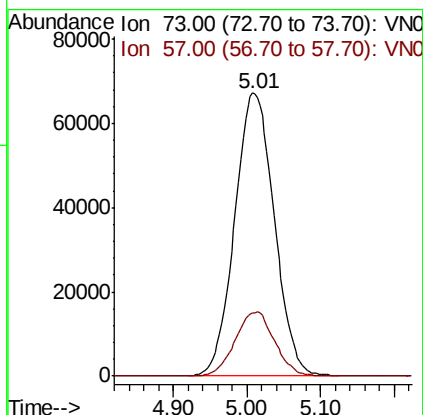
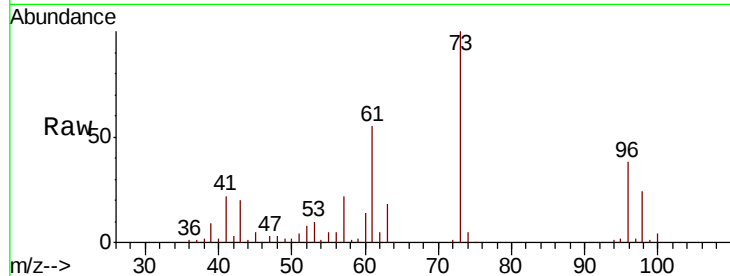




#19
Methvl tert-butvl Ether
Concen: 19.743 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

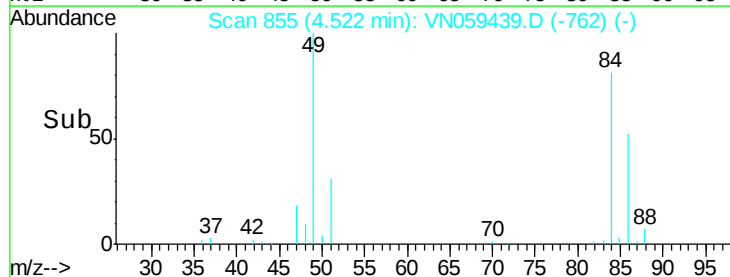
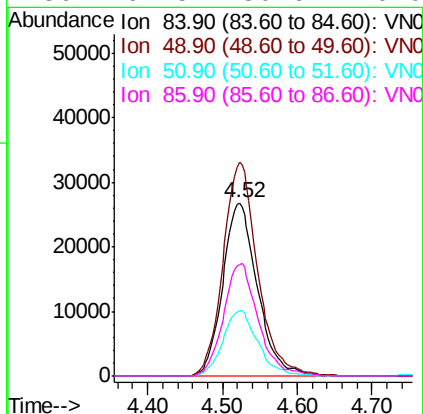
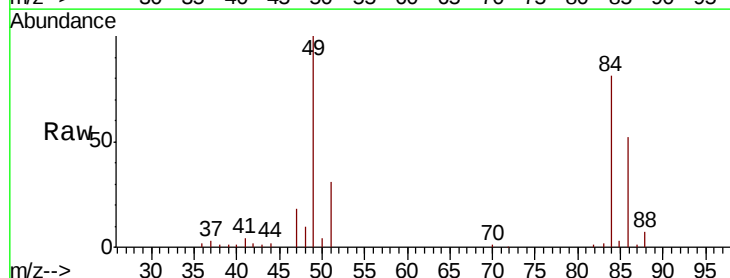
Instrument :
MSVOA_N
ClientSampleId :

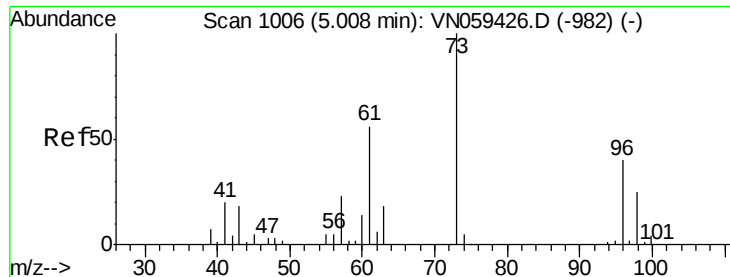
Tot Ion: 73 Resp: 251201
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5



#20
Methylene Chloride
Concen: 19.079 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 84 Resp: 86064
Ion Ratio Lower Upper
84 100
49 123.2 98.6 148.0
51 37.6 29.4 44.0
86 64.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.066 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampled :

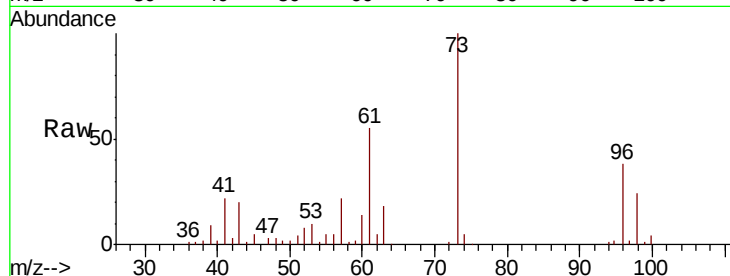
Tot Ion: 96 Resp: 82019

Ion Ratio Lower Upper

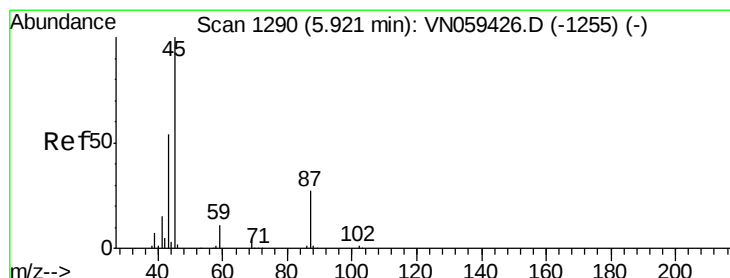
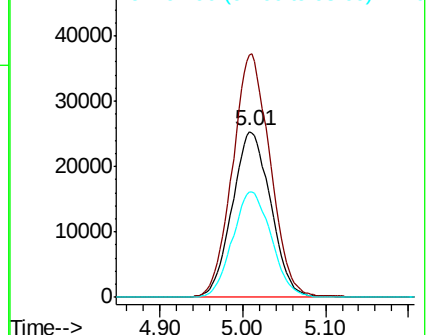
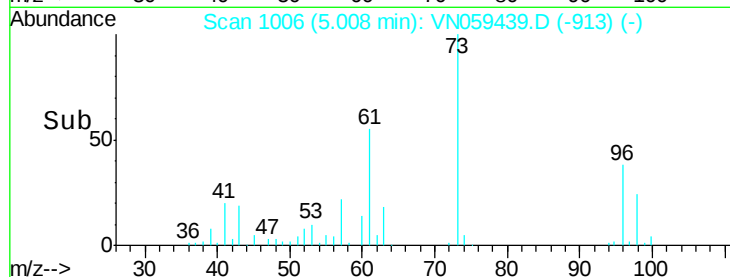
96 100

61 146.6 114.0 171.0

98 64.0 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VN059439.D (-913) (-)



#22

Diisopropyl ether

Concen: 19.882 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Tgt Ion: 45 Resp: 270552

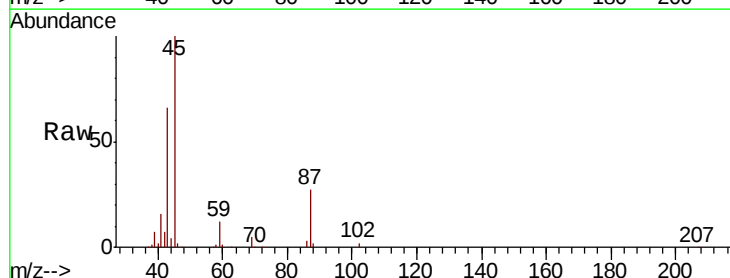
Ion Ratio Lower Upper

45 100

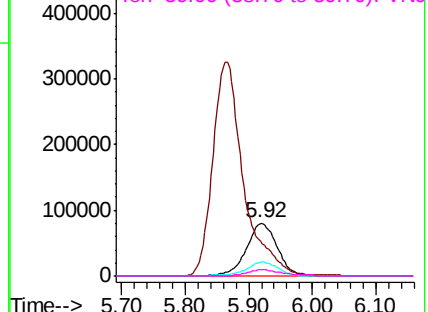
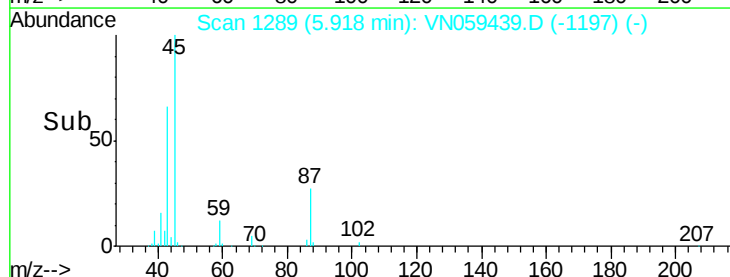
43 64.3 46.3 69.5

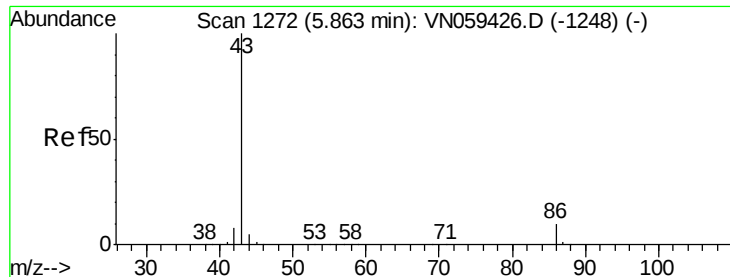
87 26.6 21.8 32.6

59 11.9 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN059439.D (-1197) (-)





#23

Vinyl Acetate

Concen: 99.768 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

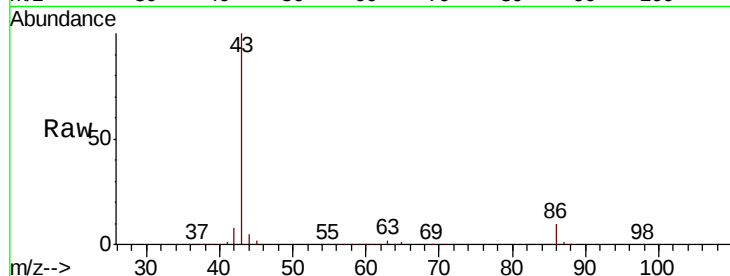
ClientSampleId :

Tot Ion: 43 Resp: 1095311

Ion Ratio Lower Upper

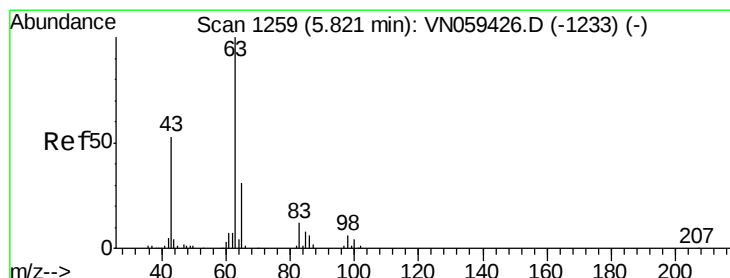
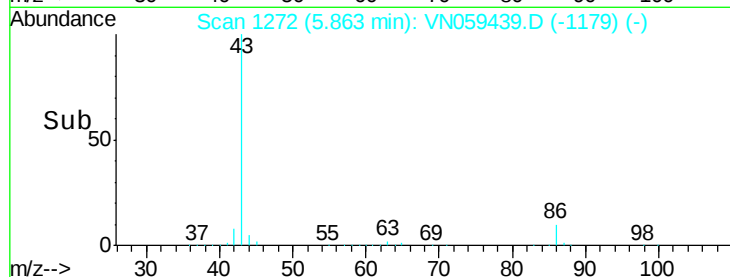
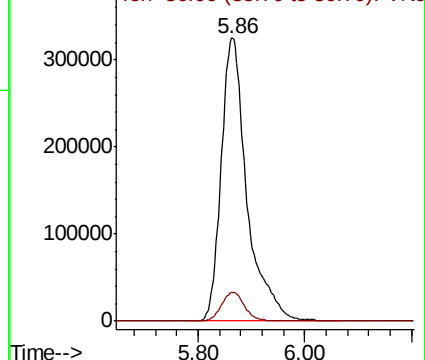
43 100

86 10.3 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.773 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

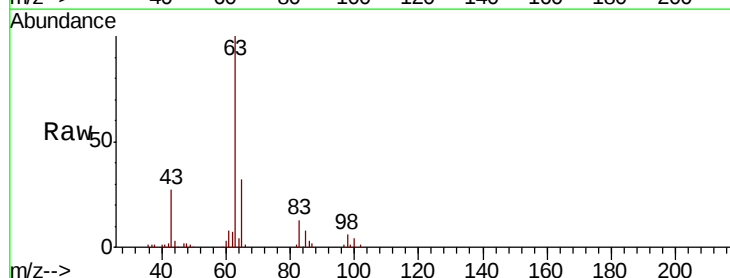
Tgt Ion: 63 Resp: 154812

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

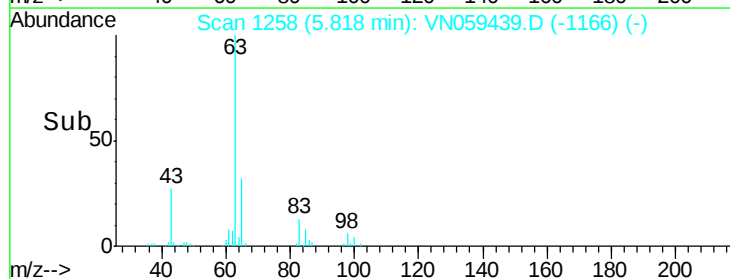
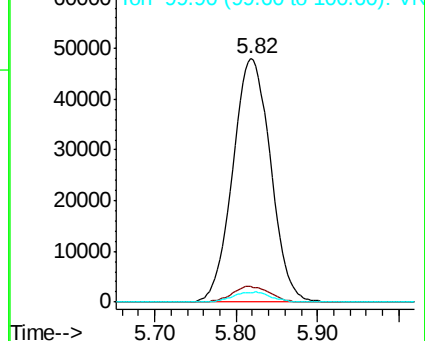
100 3.9 2.1 6.3

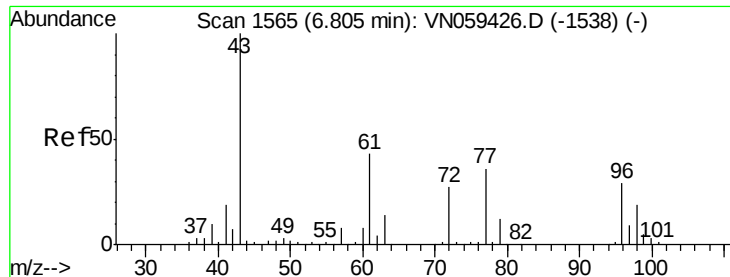


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 97.501 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

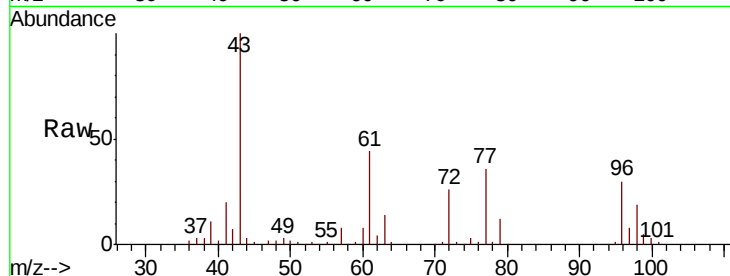
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 297769

Ion Ratio Lower Upper

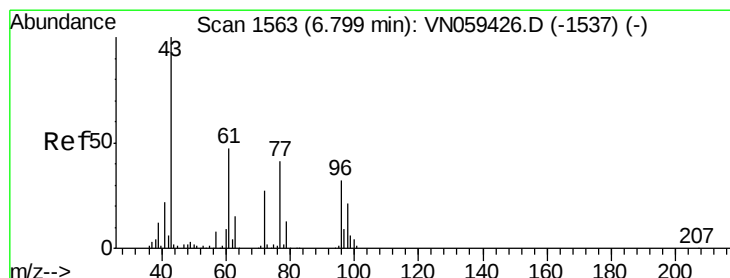
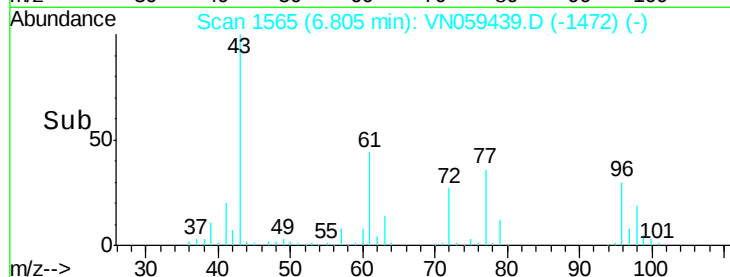
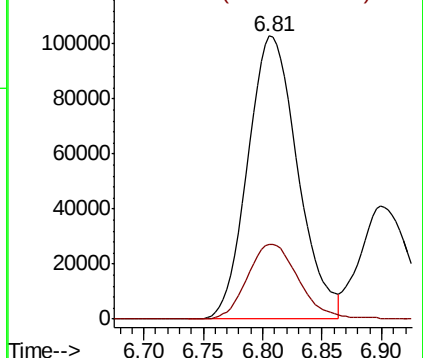
43 100

72 26.5 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.388 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059439.D

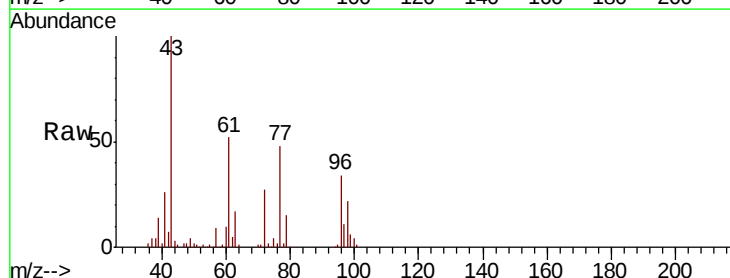
Acq: 29 Nov 2019 11:50

Tgt Ion: 77 Resp: 129187

Ion Ratio Lower Upper

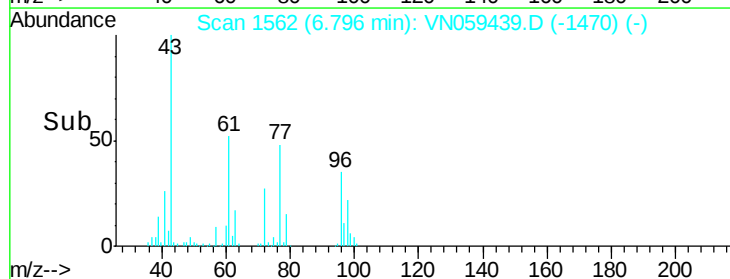
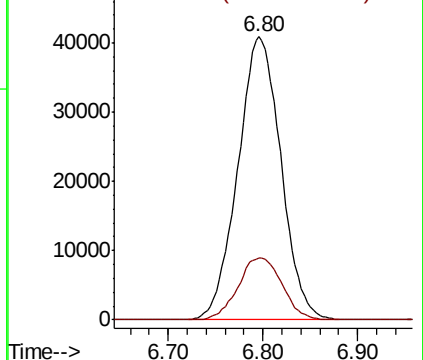
77 100

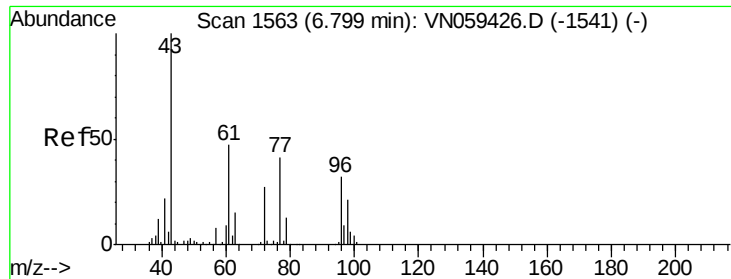
97 22.3 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.163 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampled :

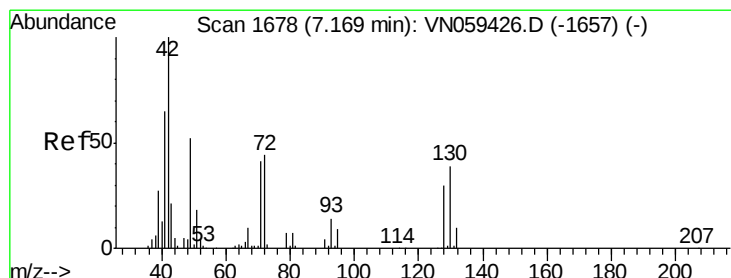
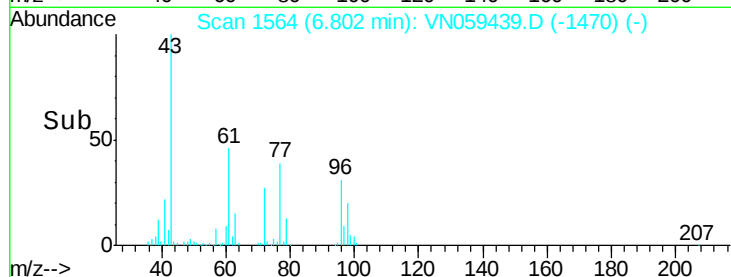
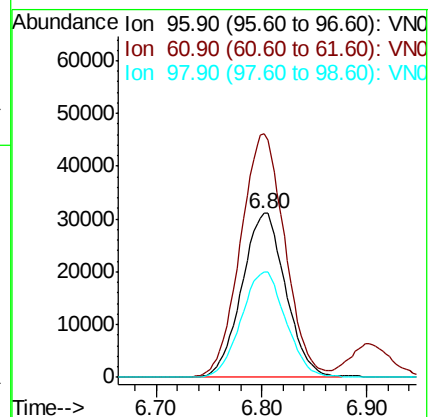
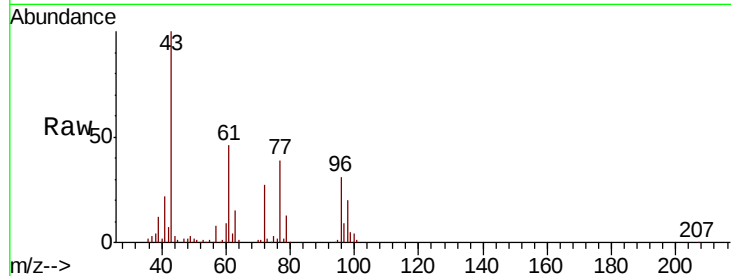
Tot Ion: 96 Resp: 90157

Ion Ratio Lower Upper

96 100

61 149.9 0.0 297.6

98 65.1 0.0 130.8



#28

Bromochloromethane

Concen: 20.778 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

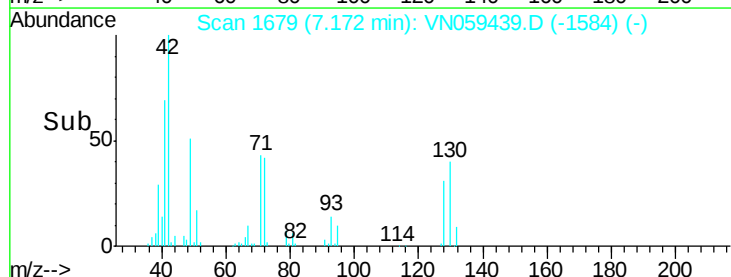
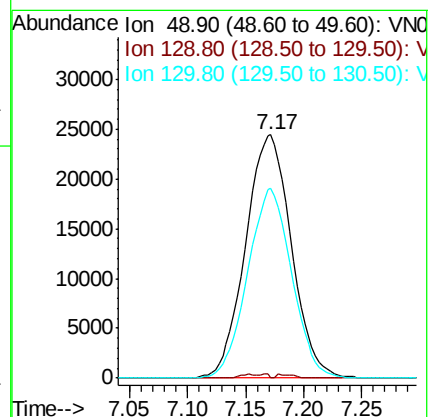
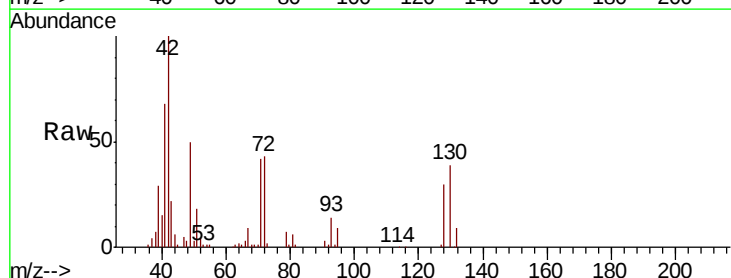
Tgt Ion: 49 Resp: 67019

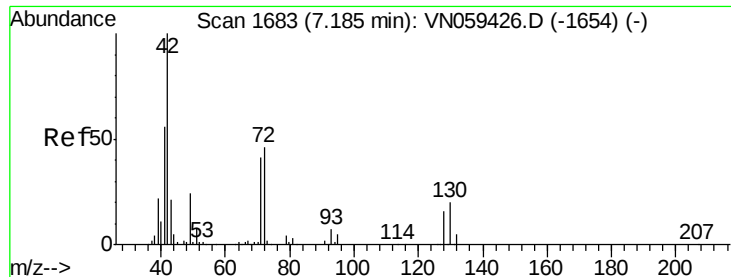
Ion Ratio Lower Upper

49 100

129 0.5 0.0 3.6

130 75.1 60.5 90.7

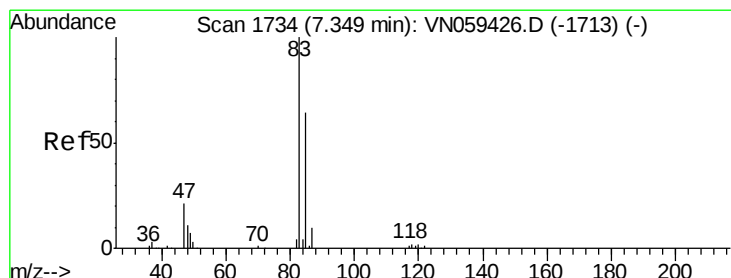
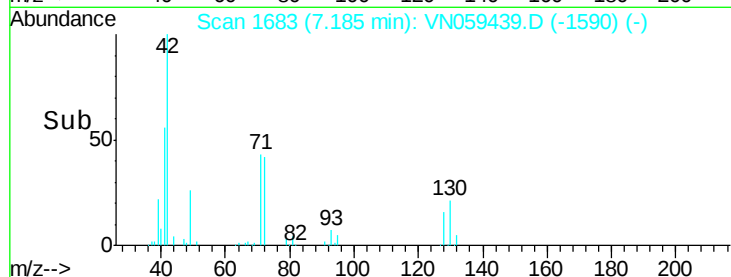
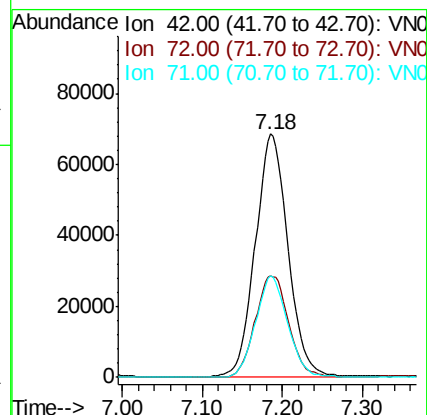
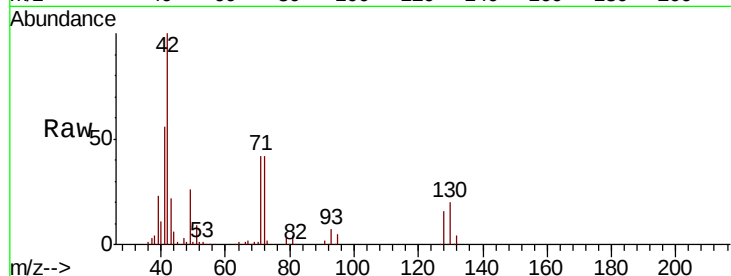




#29
Tetrahydrofuran
Concen: 94.857 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

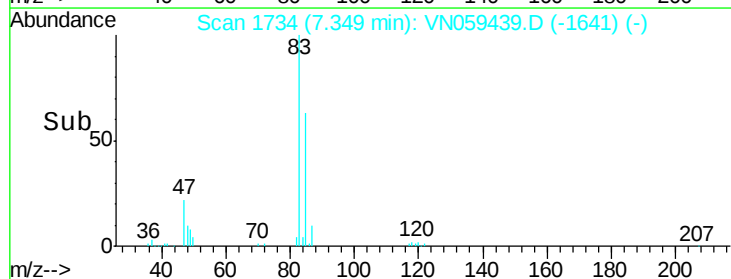
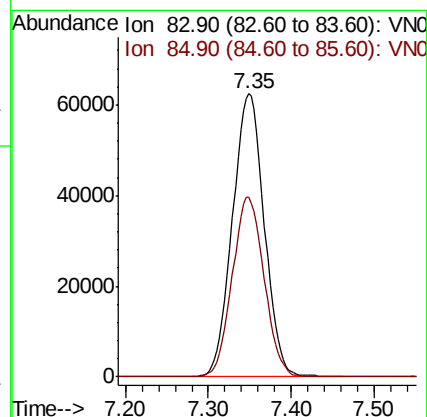
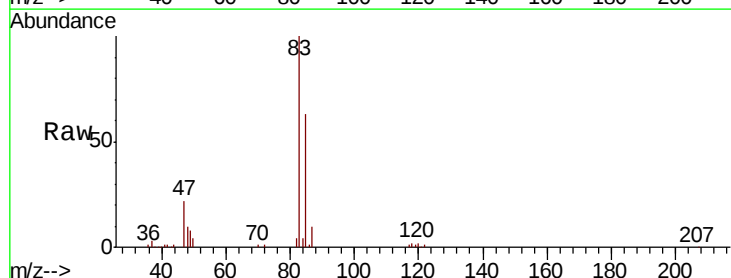
Instrument :
MSVOA_N
ClientSampled :

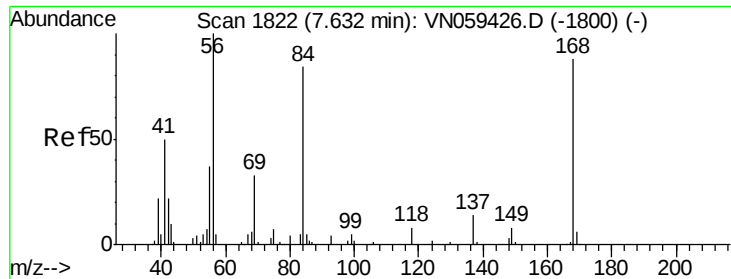
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.6	51.8
71	40.6	33.0	49.6



#30
Chloroform
Concen: 21.176 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.6	77.4

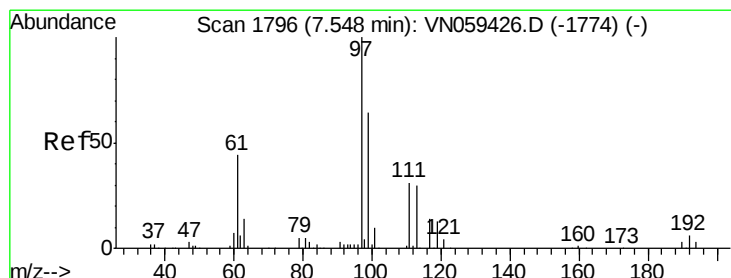
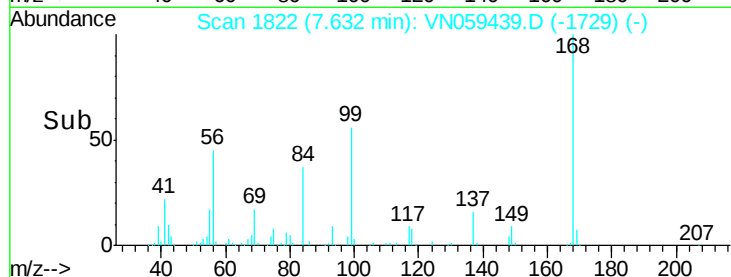
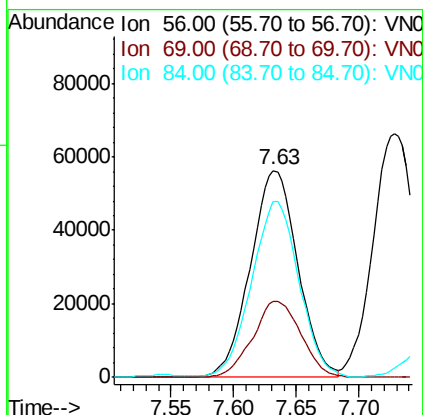
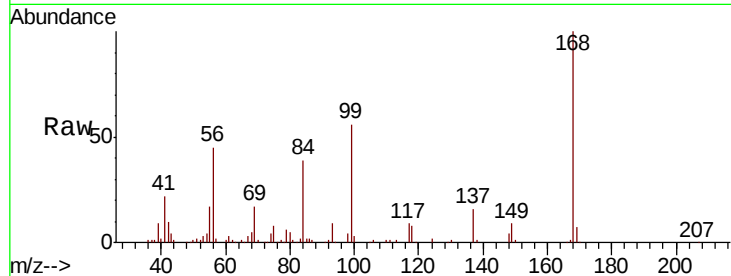




#31
Cyclohexane
Concen: 18.876 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

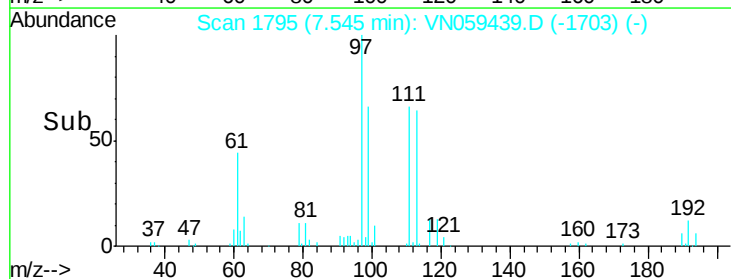
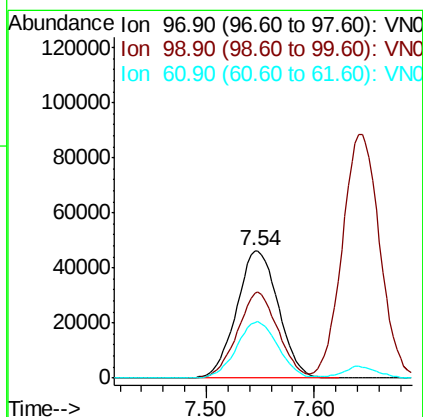
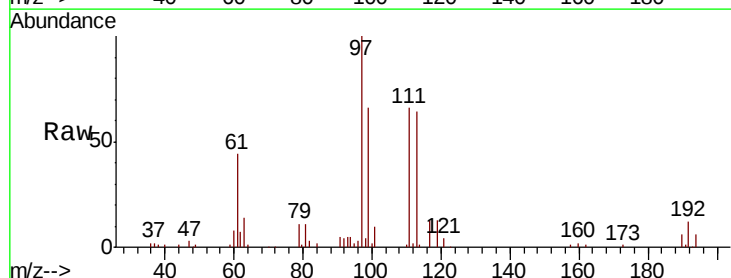
Instrument :
MSVOA_N
ClientSampled :

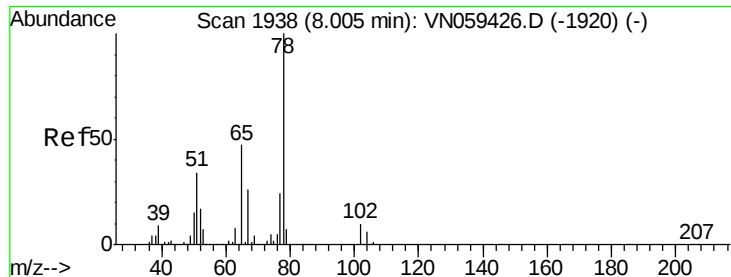
Tot Ion: 56 Resp: 148162
Ion Ratio Lower Upper
56 100
69 36.9 26.4 39.6
84 84.1 67.0 100.6



#32
1,1,1-Trichloroethane
Concen: 19.369 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 97 Resp: 124798
Ion Ratio Lower Upper
97 100
99 65.0 50.9 76.3
61 44.0 34.3 51.5

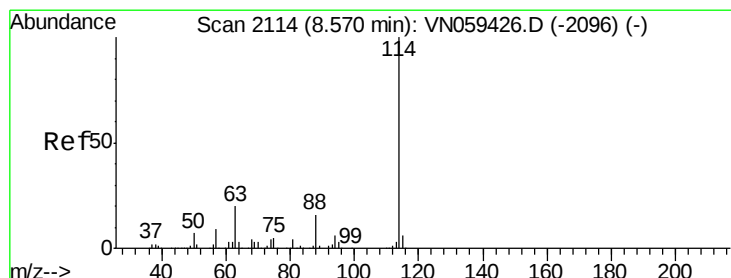
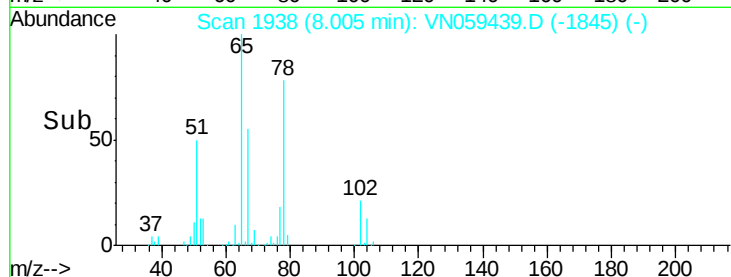
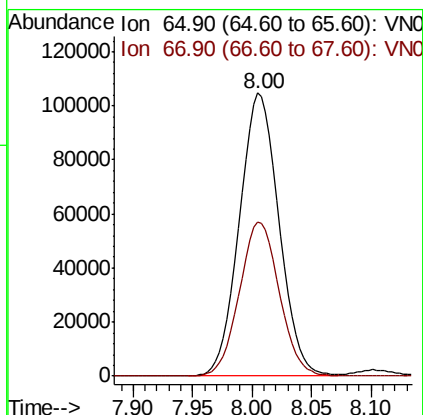
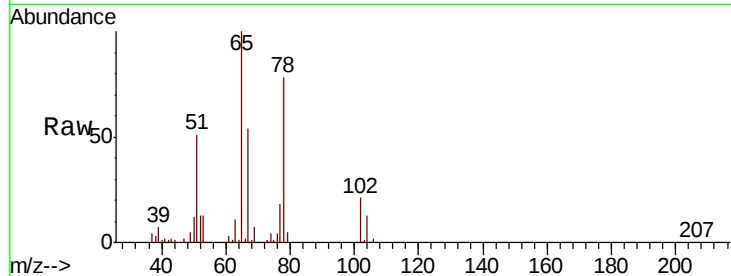




#33
 1,2-Dichloroethane-d4
 Concen: 51.870 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

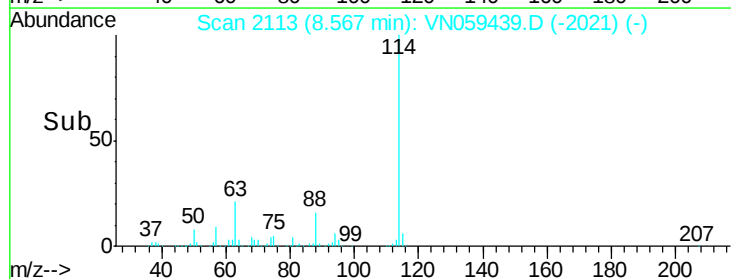
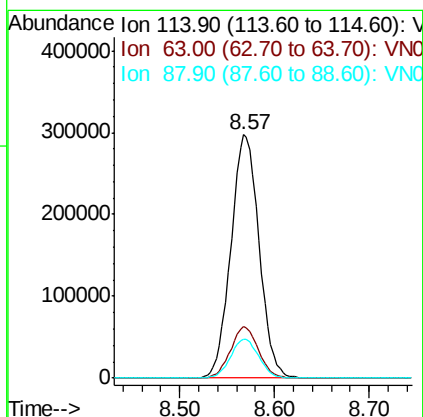
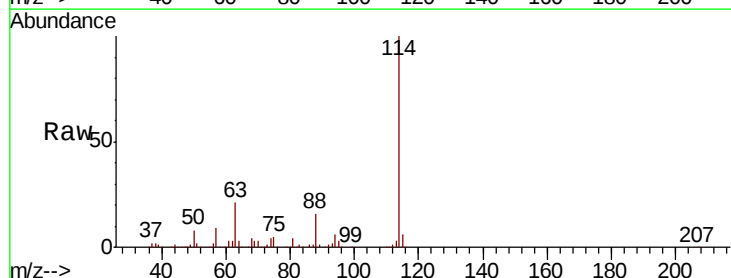
Instrument :
 MSVOA_N
 ClientSampled :

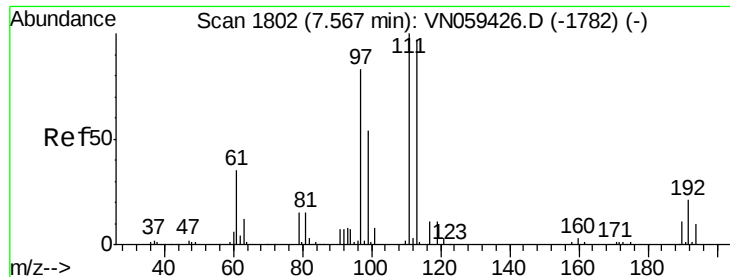
Tot Ion: 65 Resp: 241712
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion: 114 Resp: 616216
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.4
 88 16.1 0.0 32.2

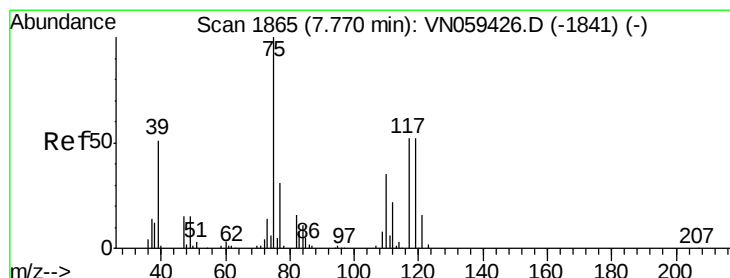
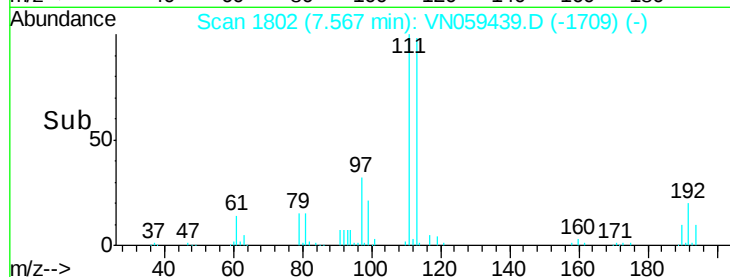
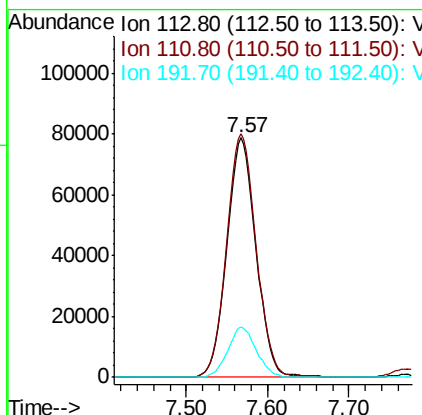
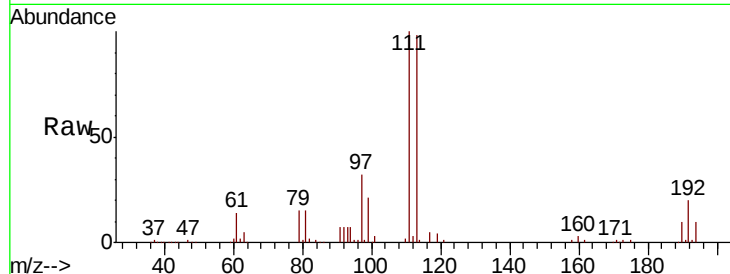




#35
 Dibromofluoromethane
 Concen: 52.489 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

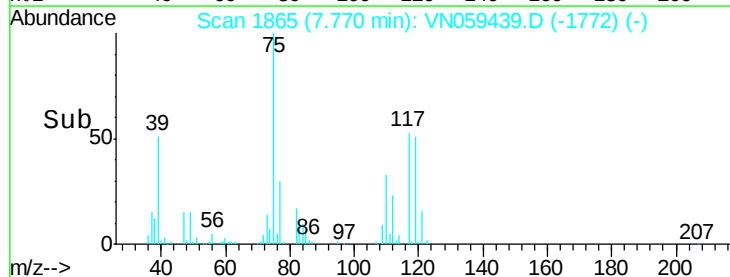
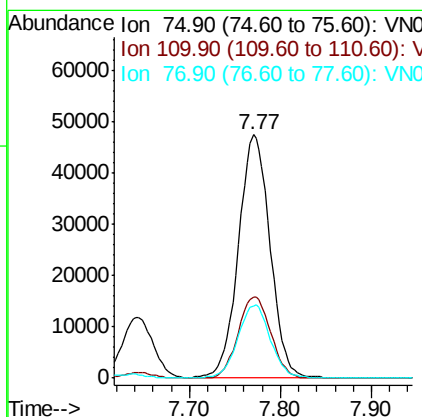
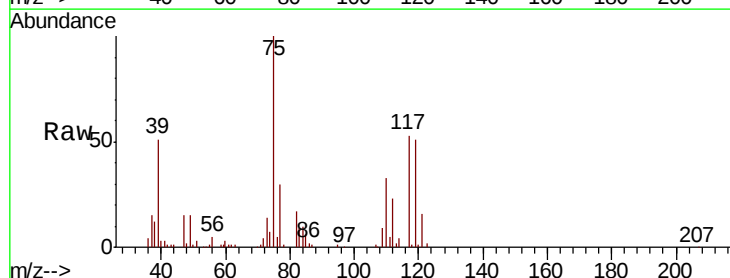
Instrument :
 MSVOA_N
 ClientSampleId :

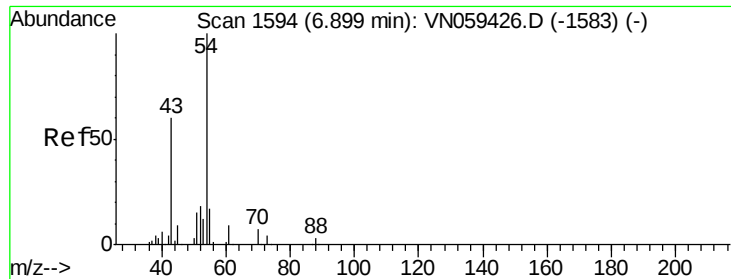
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	20.5	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 19.351 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.3	52.0
77	30.8	24.9	37.3

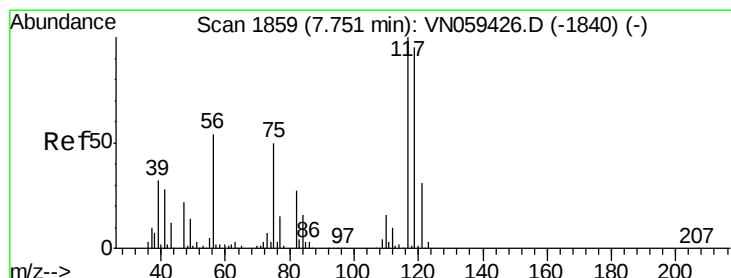
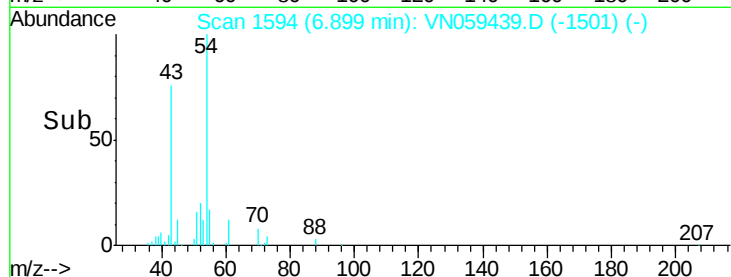
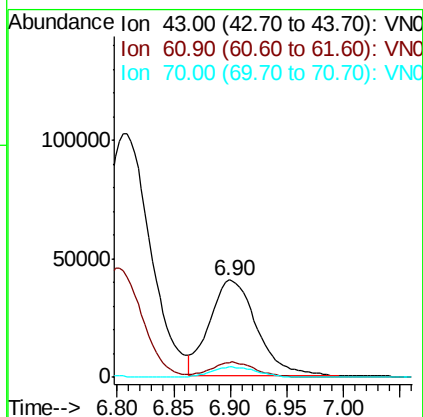
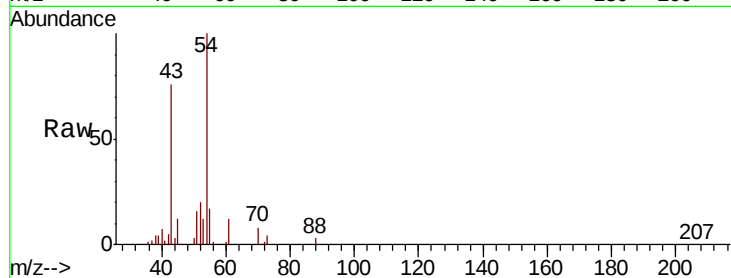




#37
Ethyl Acetate
Concen: 18.771 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

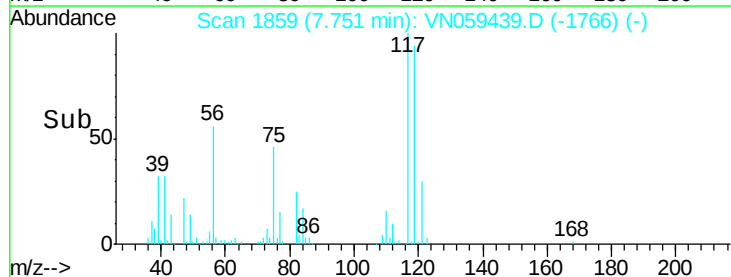
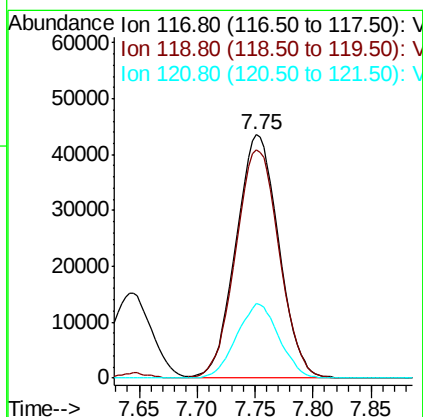
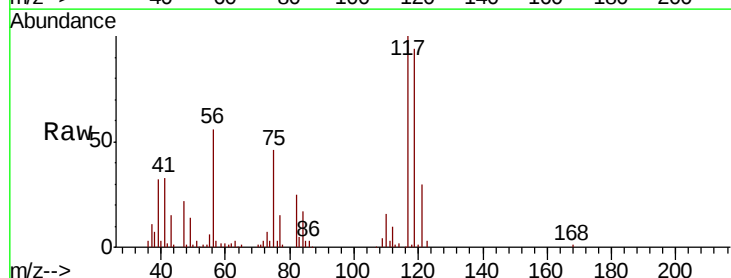
Instrument :
MSVOA_N
ClientSampleId :

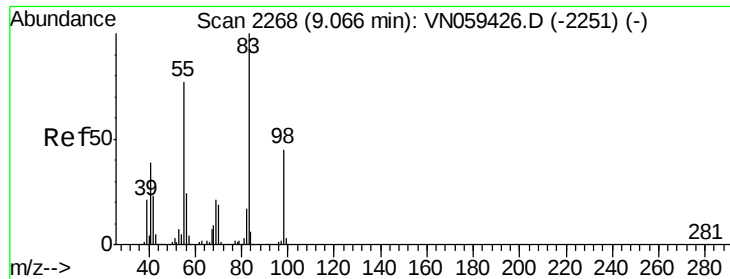
Tot Ion: 43 Resp: 117687
Ion Ratio Lower Upper
43 100
61 15.4 12.2 18.2
70 10.6 8.8 13.2



#38
Carbon Tetrachloride
Concen: 19.961 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 117 Resp: 111631
Ion Ratio Lower Upper
117 100
119 93.9 75.9 113.9
121 30.5 24.6 36.8

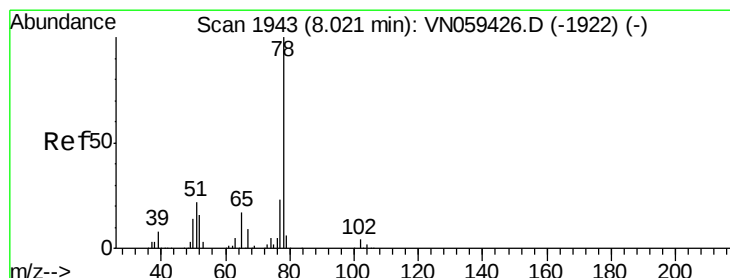
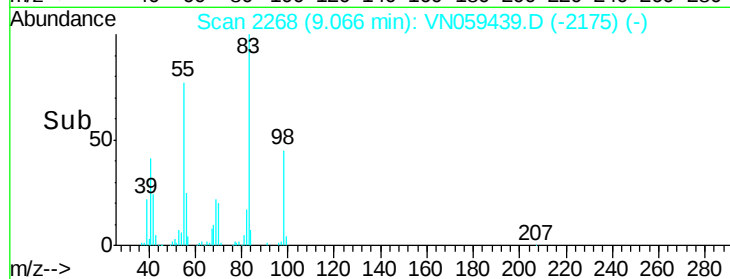
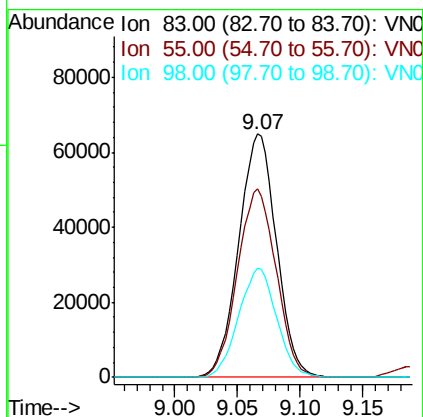
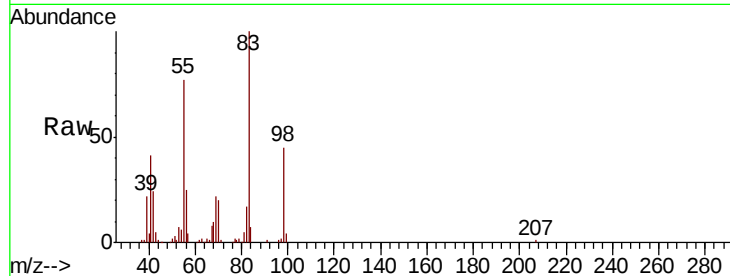




#39
Methvlcvclohexane
Concen: 19.225 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

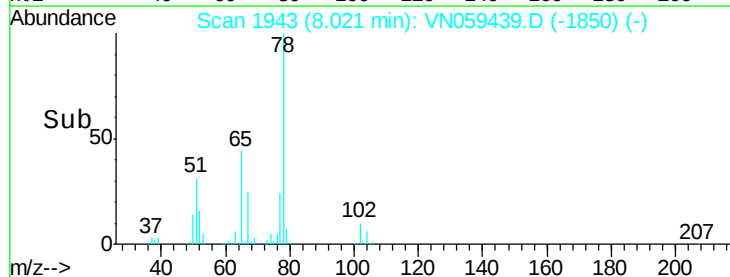
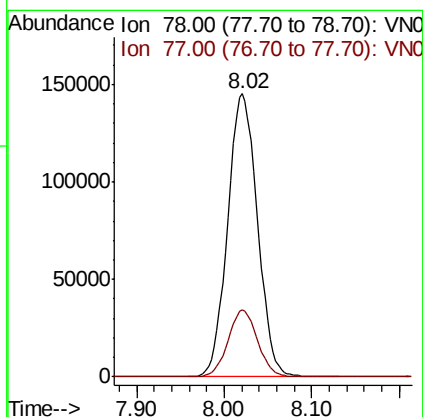
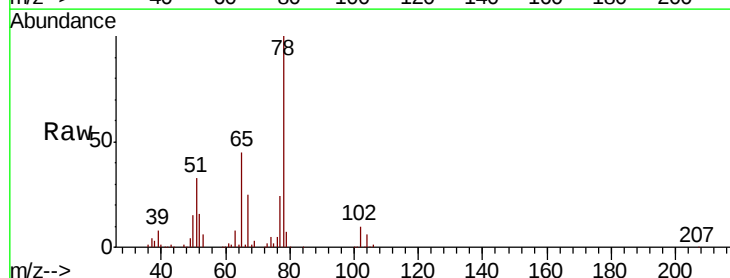
Instrument :
MSVOA_N
ClientSampleId :

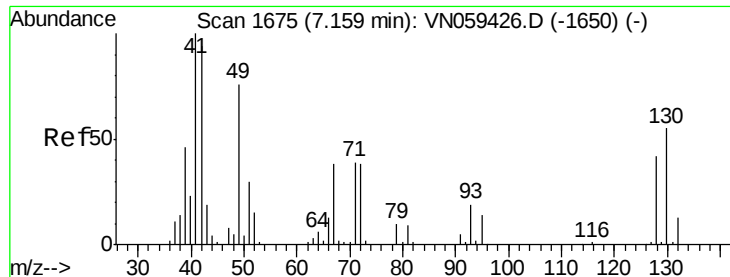
Tot Ion: 83 Resp: 136293
Ion Ratio Lower Upper
83 100
55 77.2 61.6 92.4
98 45.1 35.7 53.5



#40
Benzene
Concen: 19.511 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 78 Resp: 343295
Ion Ratio Lower Upper
78 100
77 23.9 18.3 27.5

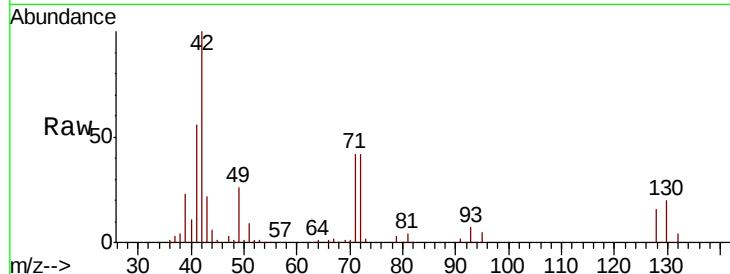




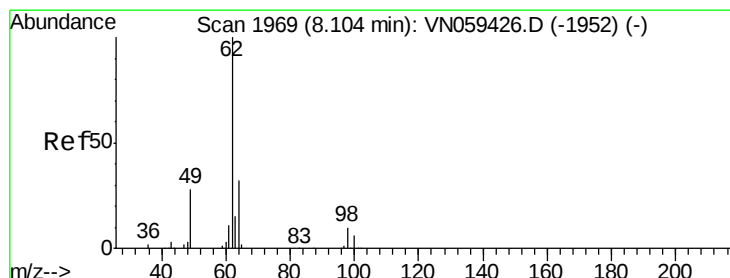
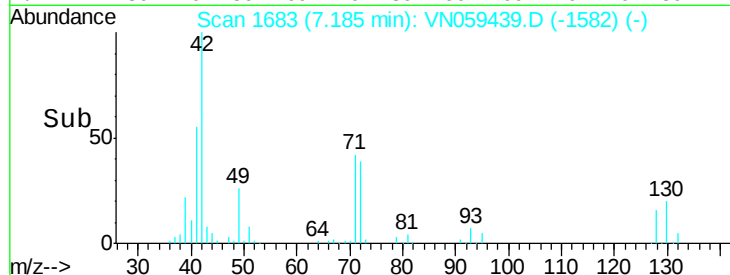
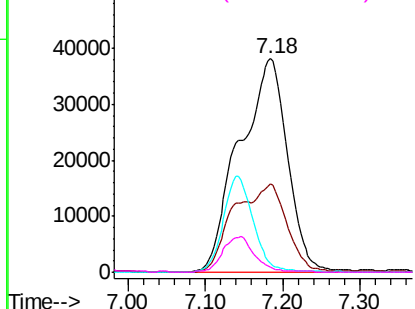
#41
Methacrylonitrile
Concen: 56.423 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	164721
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

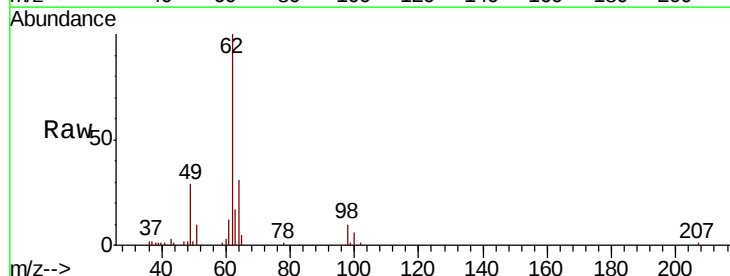


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

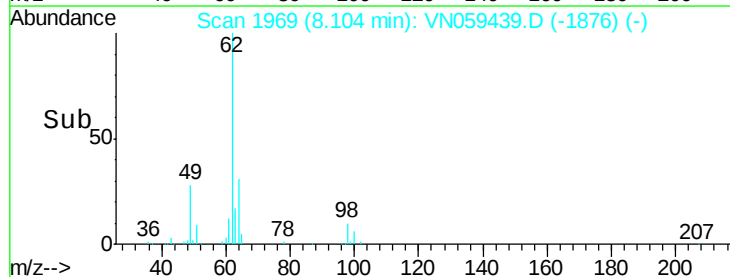
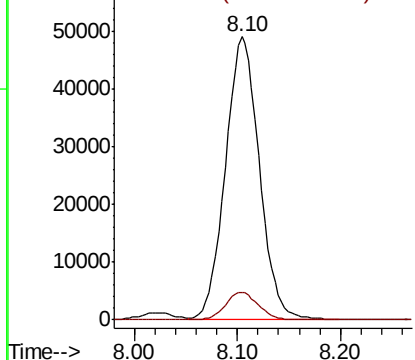


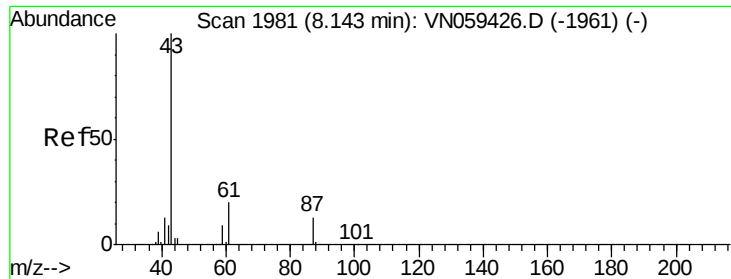
#42
1,2-Dichloroethane
Concen: 20.158 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion:	62	Resp:	112461
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0



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



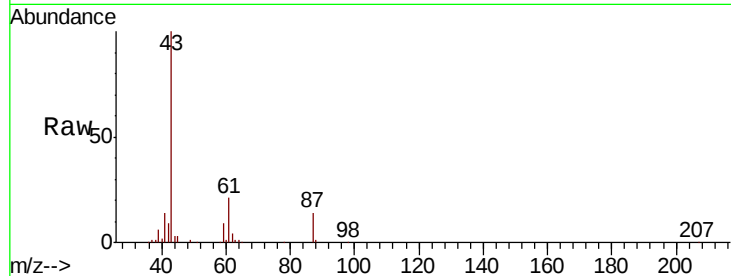


#43

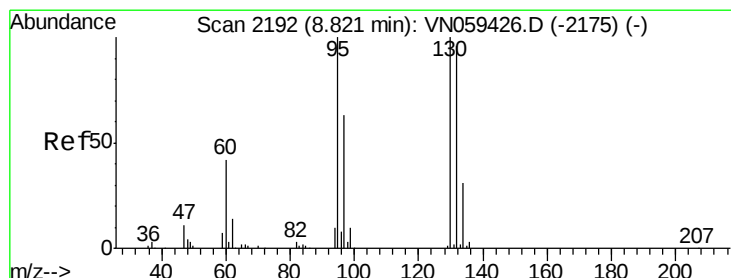
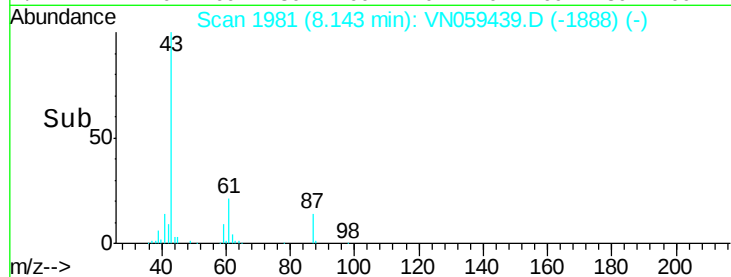
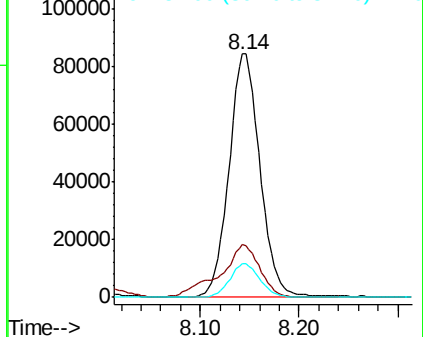
Isopropyl Acetate
 Concen: 19.464 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 185383
 Ion Ratio Lower Upper
 43 100
 61 27.8 22.2 33.2
 87 13.4 10.7 16.1



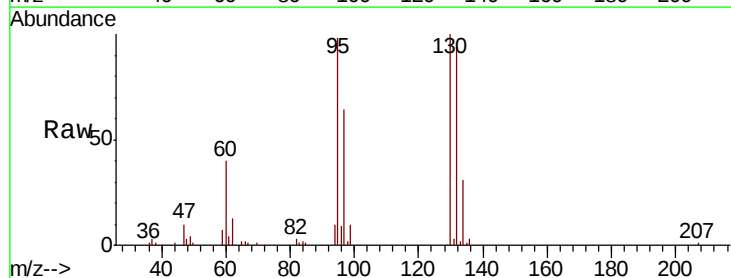
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



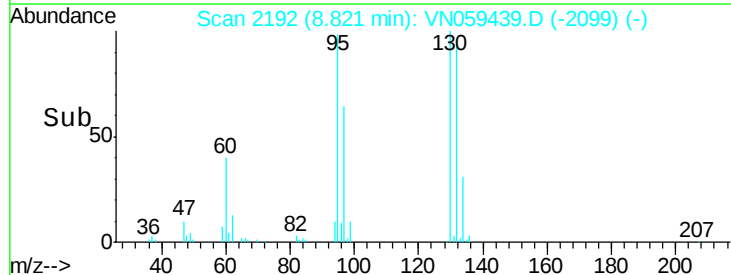
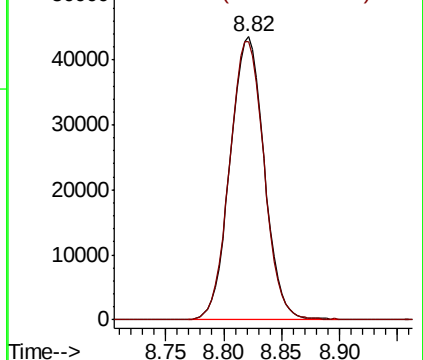
#44

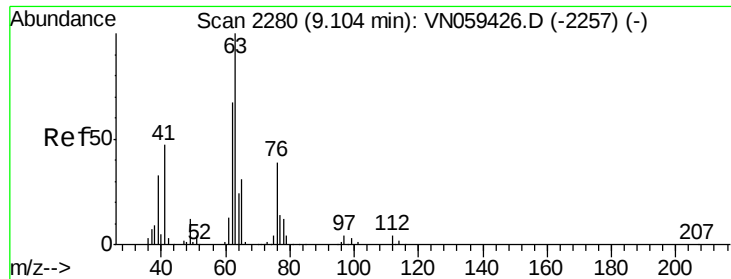
Trichloroethene
 Concen: 19.831 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion: 130 Resp: 88966
 Ion Ratio Lower Upper
 130 100
 95 98.3 0.0 199.6



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

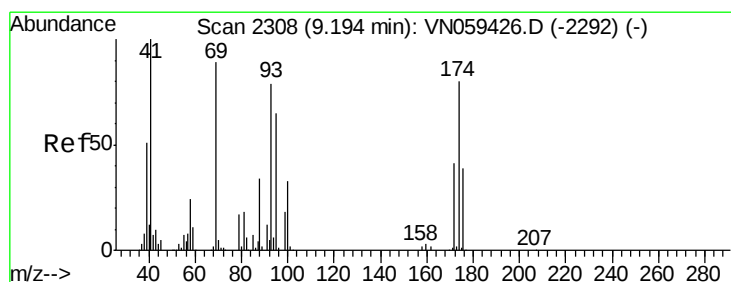
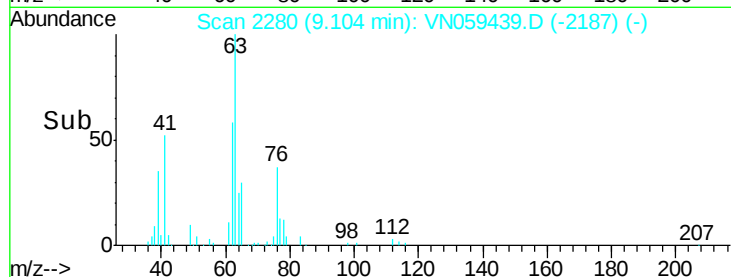
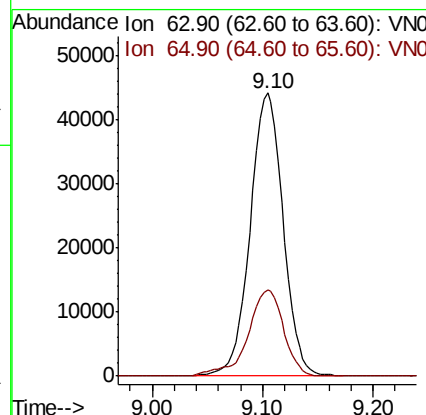
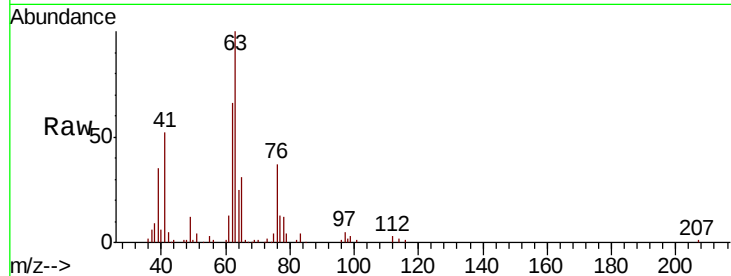




#45
 1,2-Dichloropropane
 Concen: 19.821 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

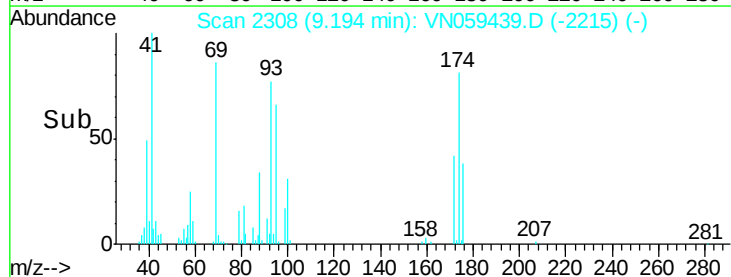
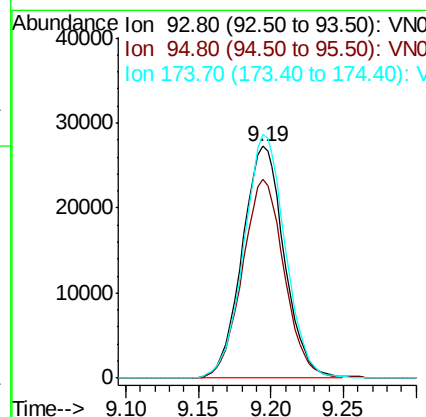
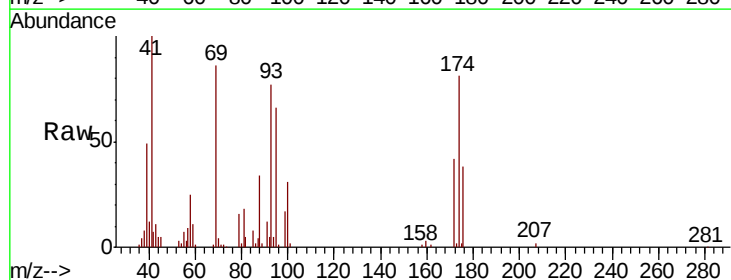
Instrument :
 MSVOA_N
 ClientSampled :

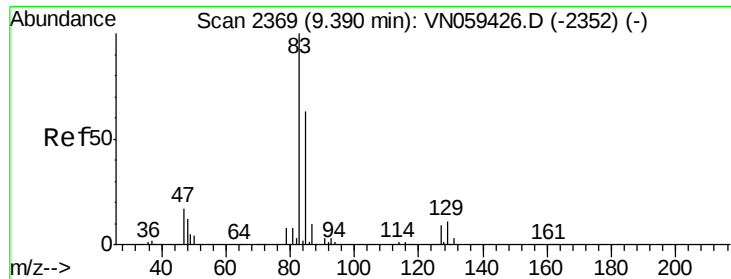
Tot Ion: 63 Resp: 91221
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 36.8



#46
 Dibromomethane
 Concen: 19.344 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion: 93 Resp: 54939
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.2 99.4
 174 103.5 81.8 122.8

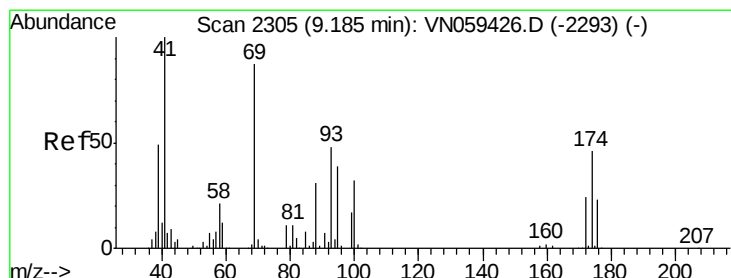
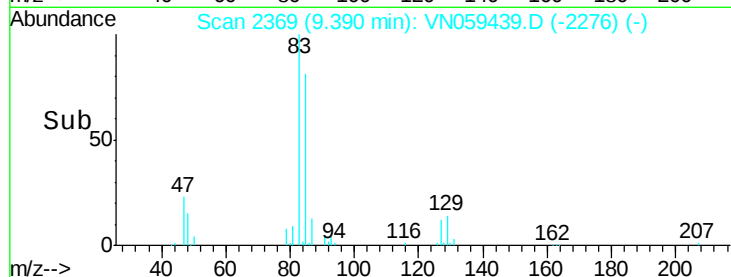
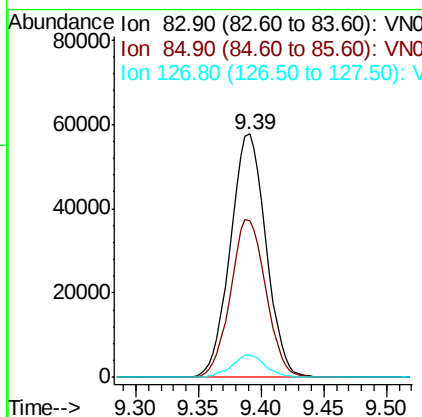
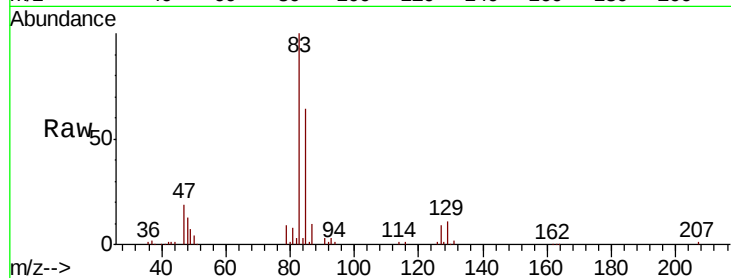




#47
Bromodichloromethane
Concen: 19.849 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

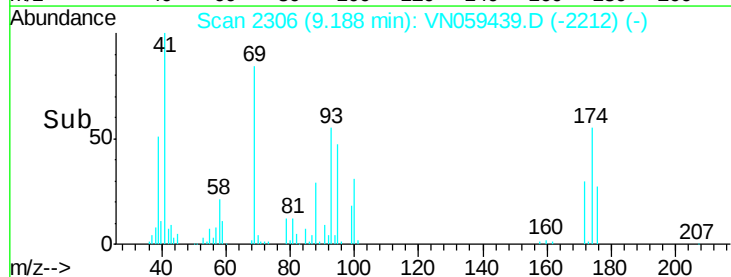
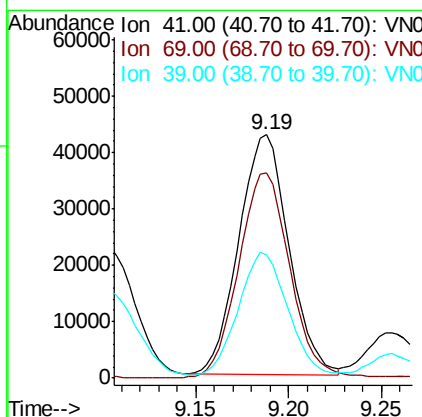
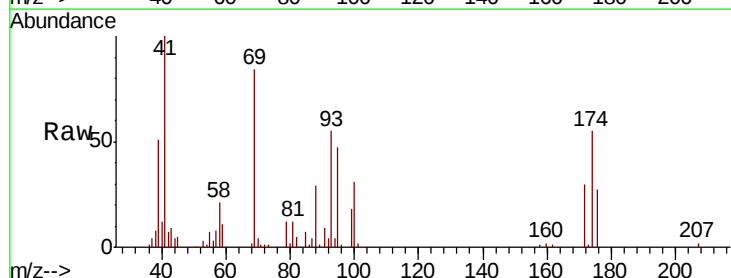
Instrument :
MSVOA_N
ClientSampleId :

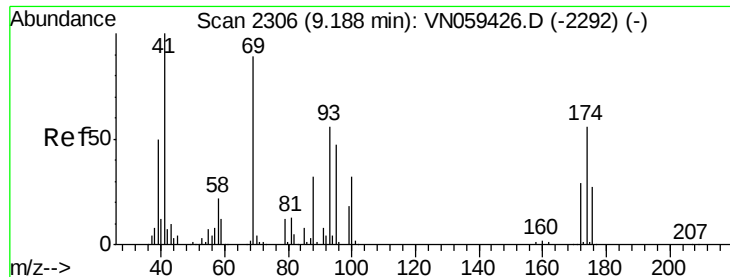
Tot Ion: 83 Resp: 114015
Ion Ratio Lower Upper
83 100
85 64.2 50.6 75.8
127 9.2 6.8 10.2



#48
Methyl methacrylate
Concen: 18.971 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 41 Resp: 80163
Ion Ratio Lower Upper
41 100
69 87.6 71.6 107.4
39 52.5 41.3 61.9

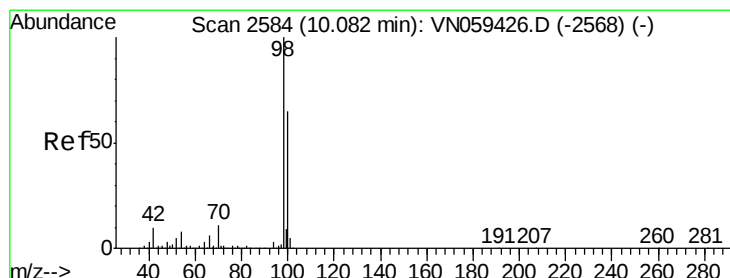
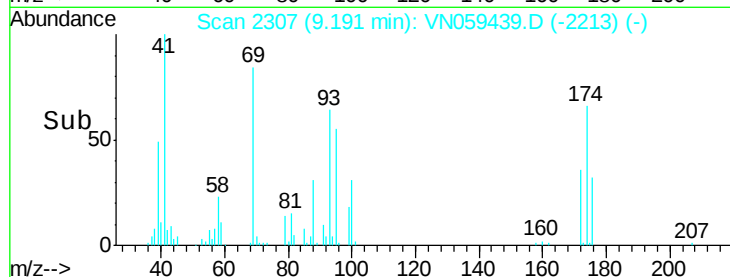
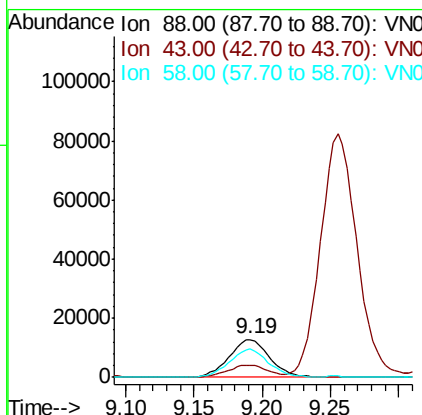
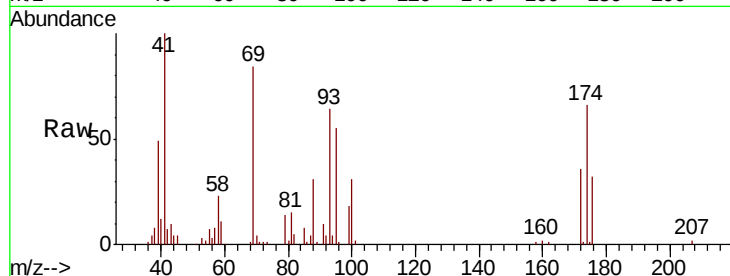




#49
1,4-Dioxane
Concen: 425.357 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

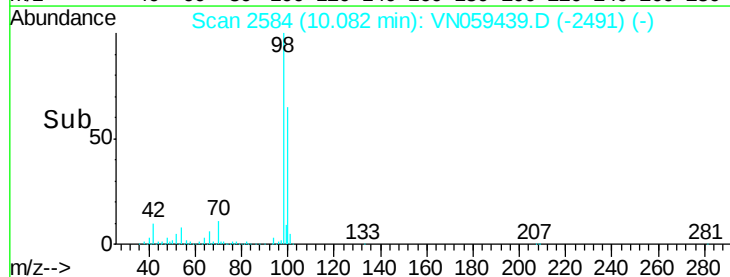
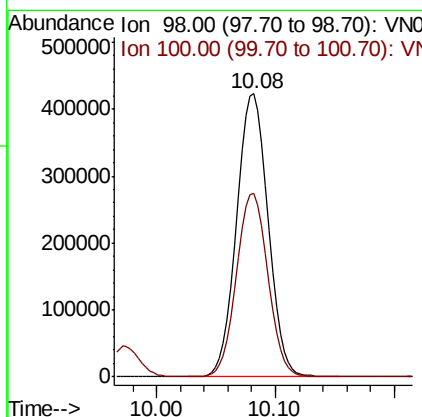
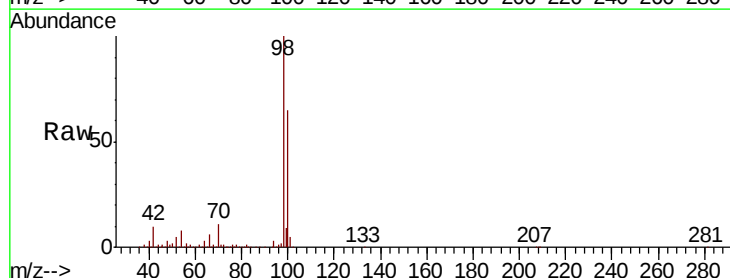
Instrument :
MSVOA_N
ClientSampled :

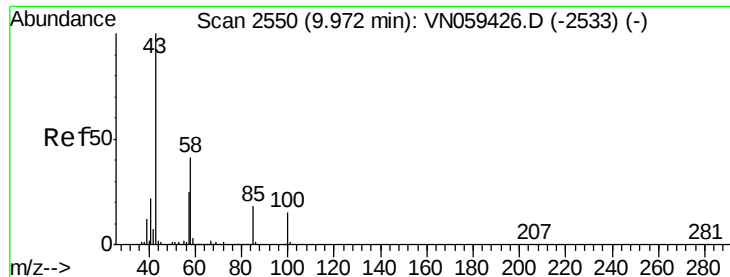
Tot Ion: 88 Resp: 26251
Ion Ratio Lower Upper
88 100
43 31.8 23.7 35.5
58 72.8 56.3 84.5



#50
Toluene-d8
Concen: 52.031 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 98 Resp: 778169
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

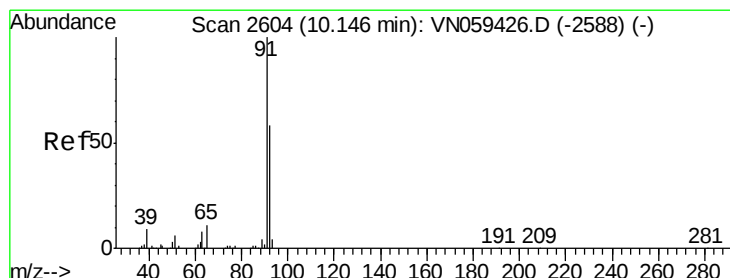
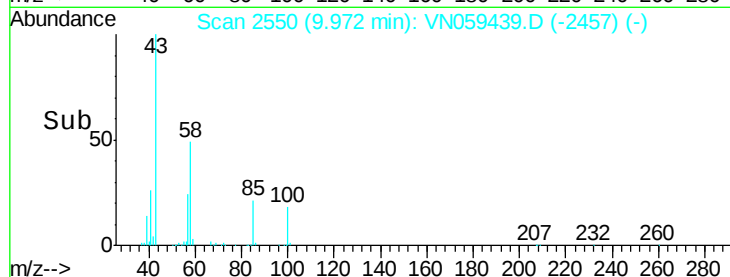
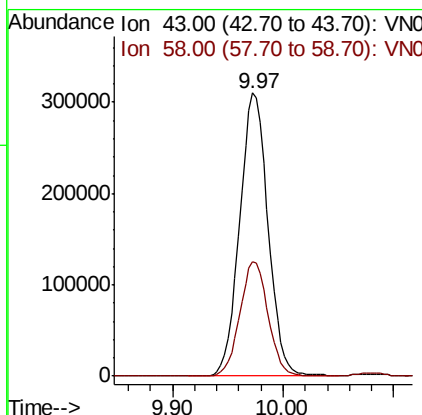
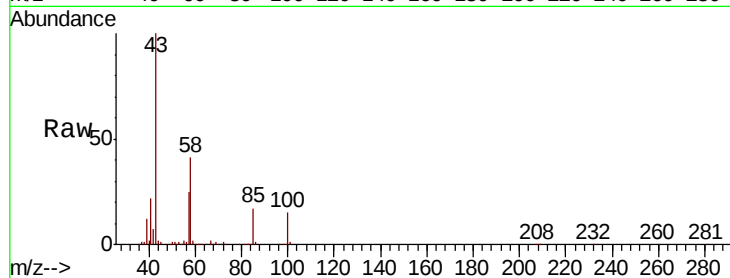




#51
 4-Methyl-2-Pentanone
 Concen: 100.154 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

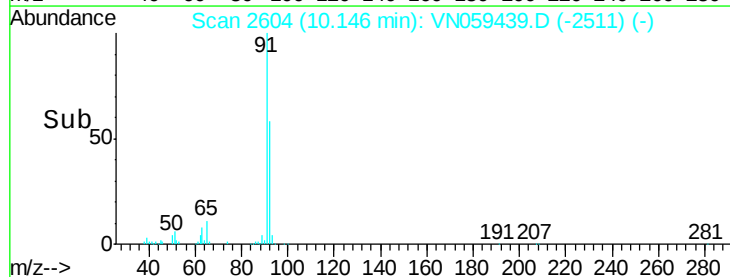
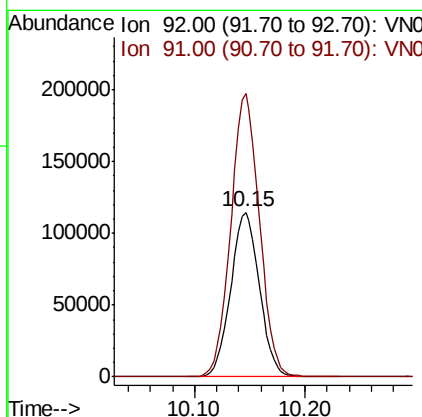
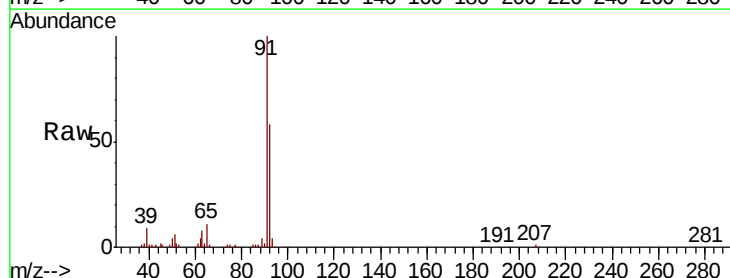
Instrument :
 MSVOA_N
 ClientSampled :

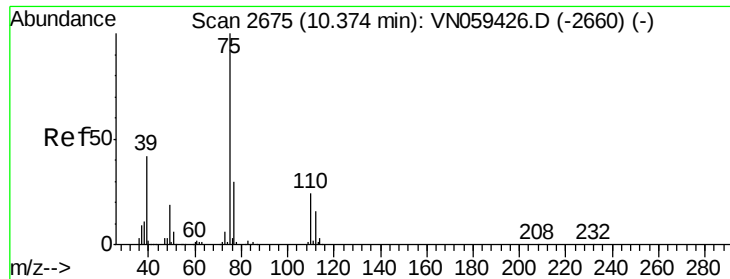
Tot Ion: 43 Resp: 553310
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.5 48.7



#52
 Toluene
 Concen: 19.652 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion: 92 Resp: 206571
 Ion Ratio Lower Upper
 92 100
 91 171.7 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 19.373 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

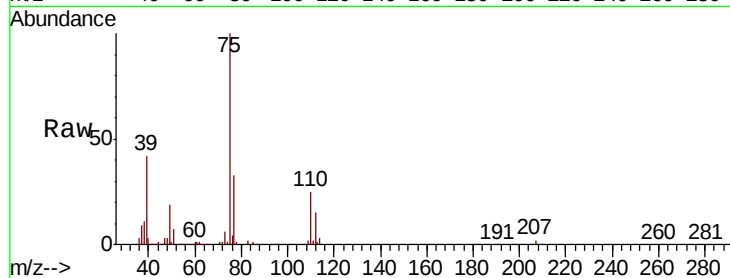
ClientSampleId :

Tot Ion: 75 Resp: 127869

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

60000

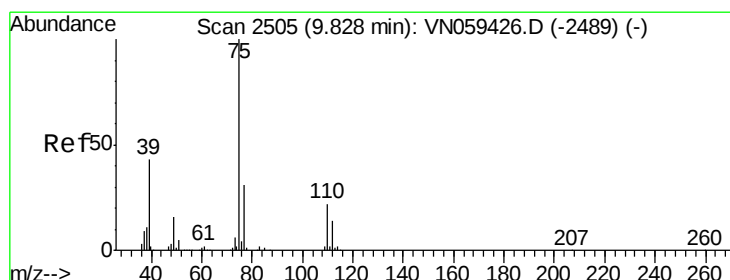
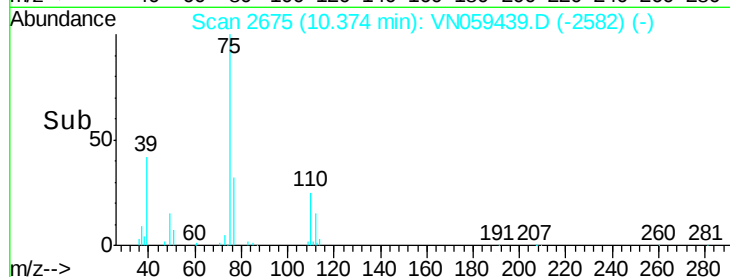
40000

20000

0

10.30 10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.870 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

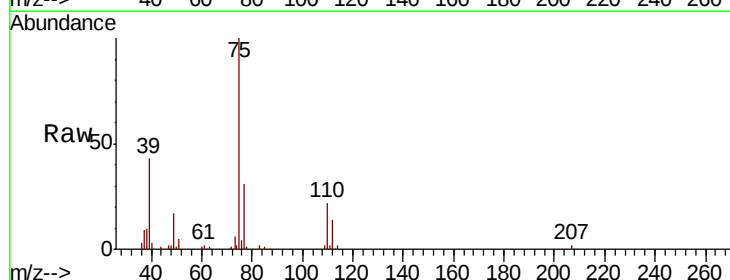
Tgt Ion: 75 Resp: 141581

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7

39 43.3 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

9.83

100000

80000

60000

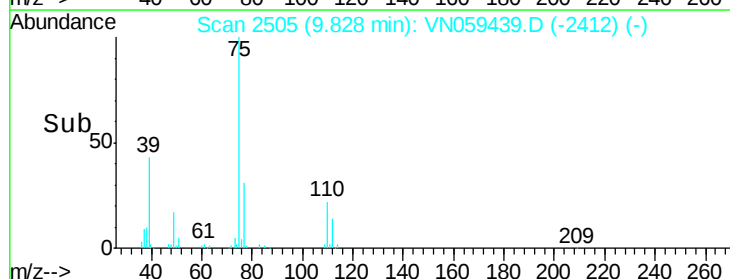
40000

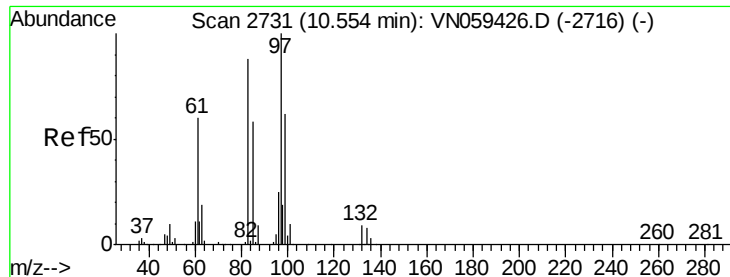
20000

0

9.75 9.80 9.85 9.90

Time-->

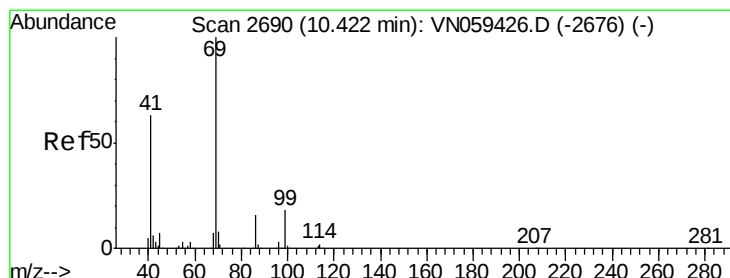
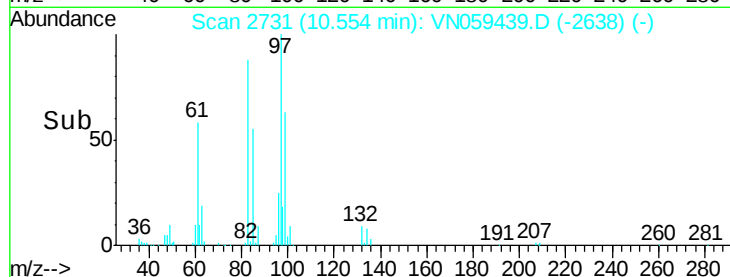
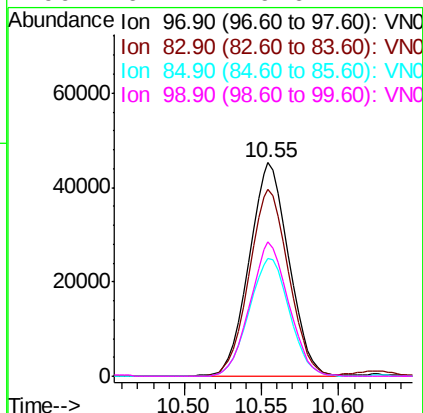
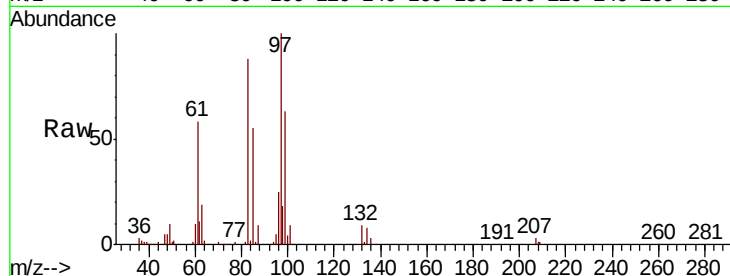




#55
 1,1,2-Trichloroethane
 Concen: 19.618 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

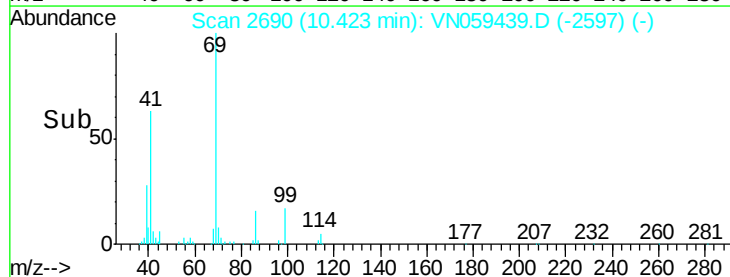
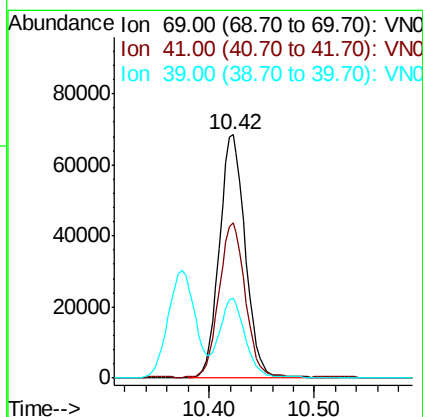
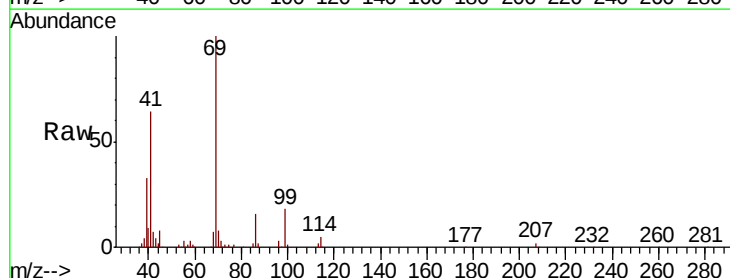
Instrument :
 MSVOA_N
 ClientSampleId :

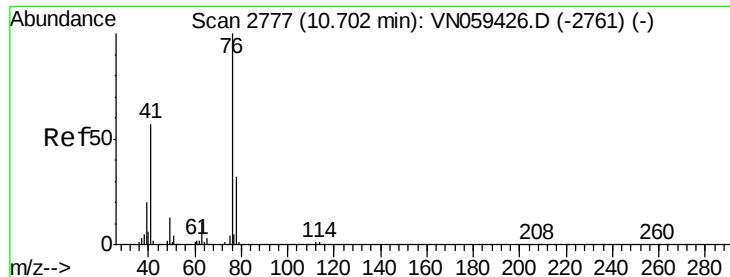
Tot Ion:	97	Resp:	80714
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.7	106.1
85	55.1	46.4	69.6
99	62.7	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 20.783 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion:	69	Resp:	116472
Ion	Ratio	Lower	Upper
69	100		
41	63.6	50.1	75.1
39	31.9	23.9	35.9





#57

1,3-Dichloropropane

Concen: 19.358 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

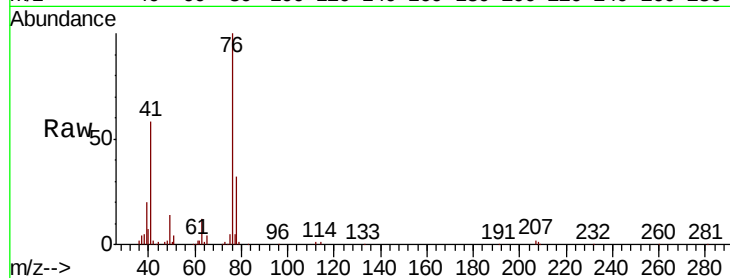
ClientSampleId :

Tot Ion: 76 Resp: 137655

Ion Ratio Lower Upper

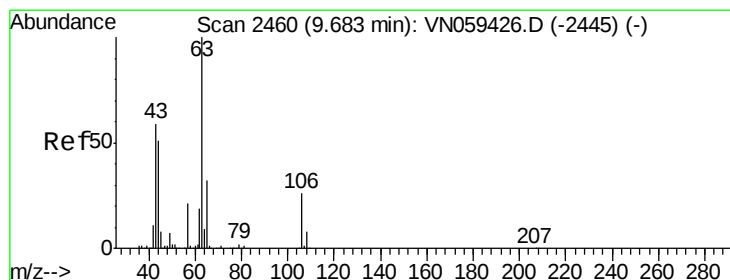
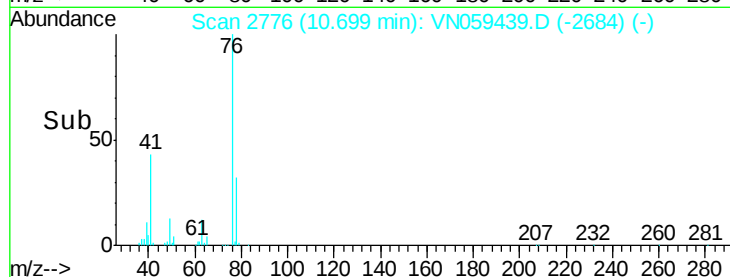
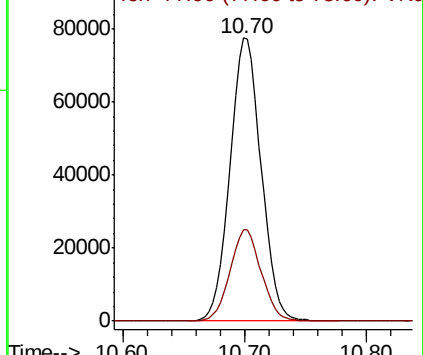
76 100

78 32.6 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 128.563 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059439.D

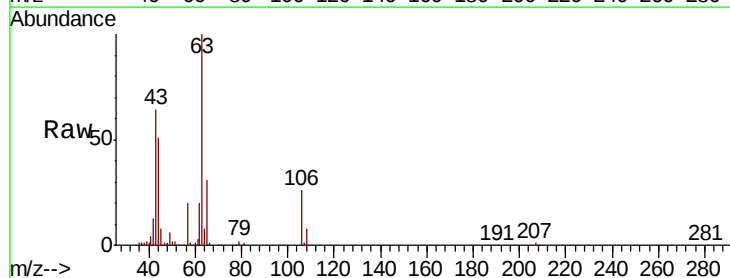
Acq: 29 Nov 2019 11:50

Tgt Ion: 63 Resp: 226639

Ion Ratio Lower Upper

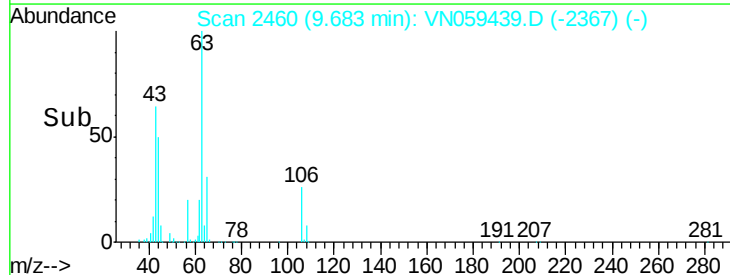
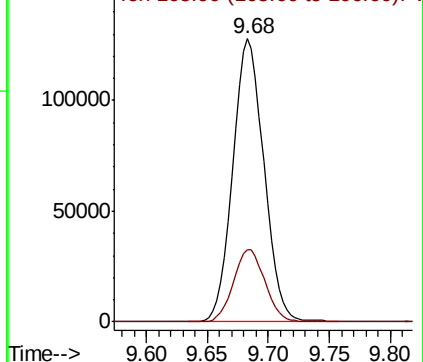
63 100

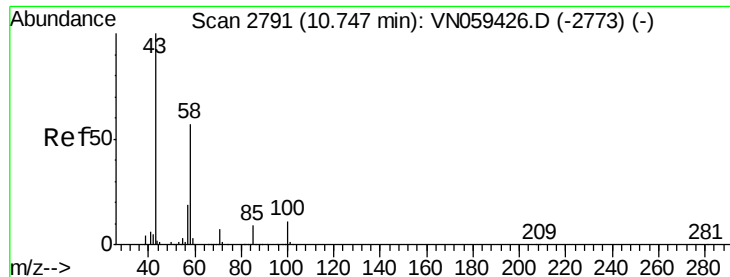
106 25.9 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

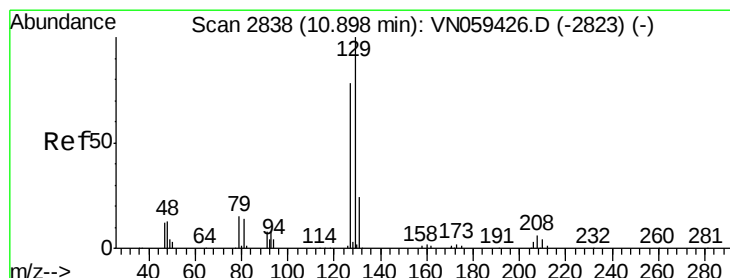
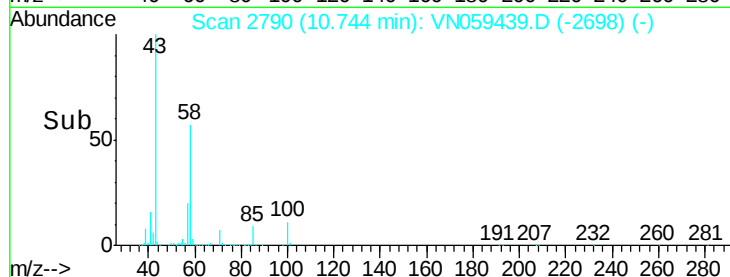
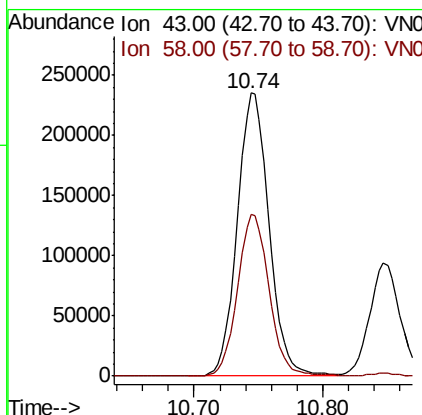
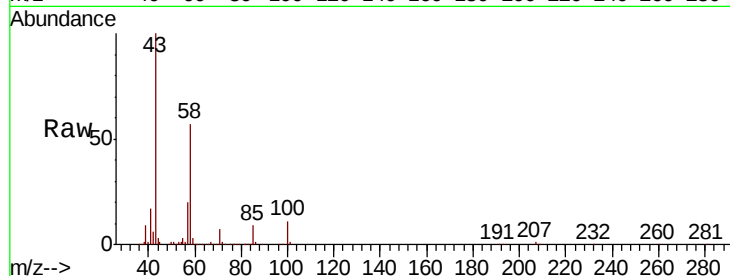




#59
2-Hexanone
Concen: 98.491 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

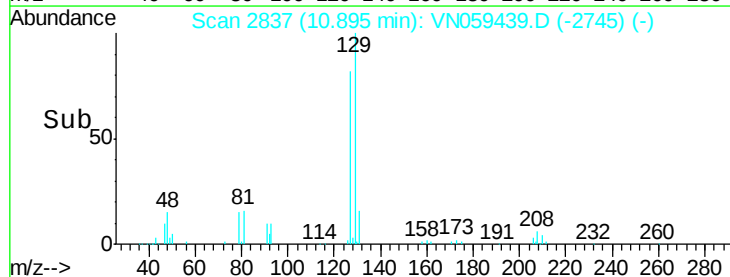
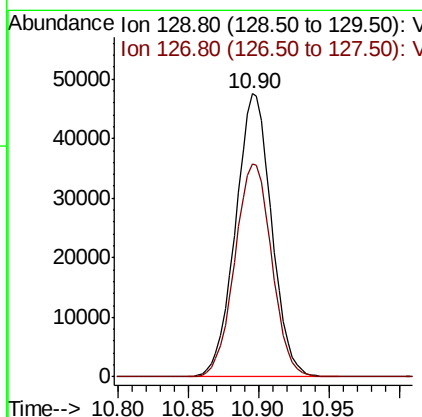
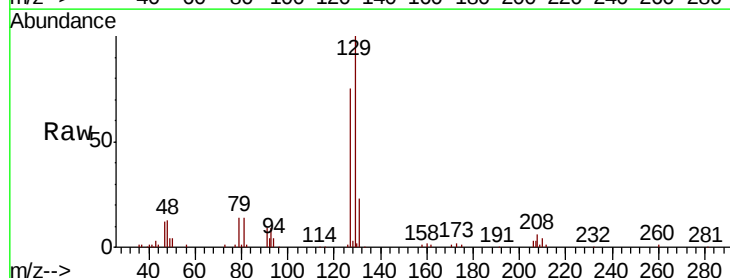
Instrument :
MSVOA_N
ClientSampled :

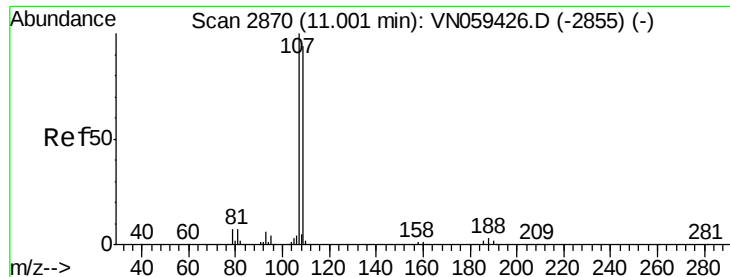
Tot Ion: 43 Resp: 403478
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0



#60
Dibromochloromethane
Concen: 19.843 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion: 129 Resp: 85222
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.622 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

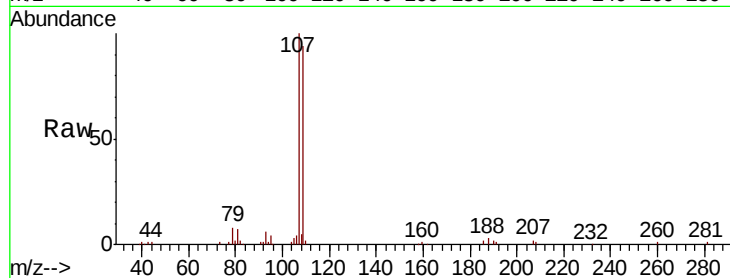
ClientSampled :

Tot Ion: 107 Resp: 82726

Ion Ratio Lower Upper

107 100

109 93.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

50000

40000

30000

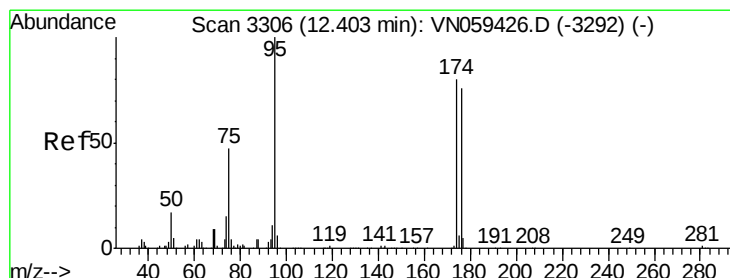
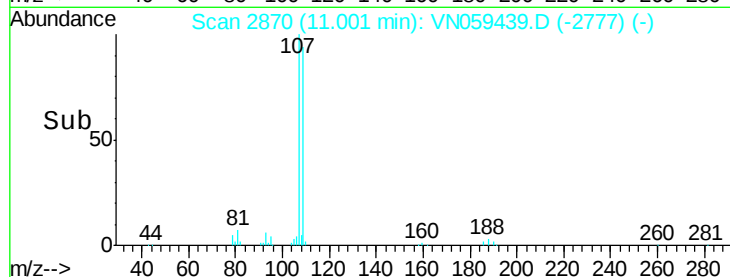
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 52.406 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

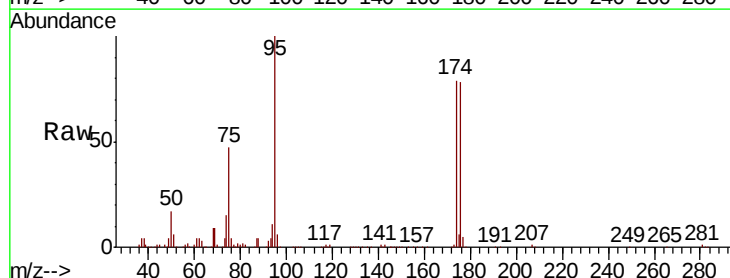
Tgt Ion: 95 Resp: 272897

Ion Ratio Lower Upper

95 100

174 78.2 0.0 158.0

176 76.5 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

200000

150000

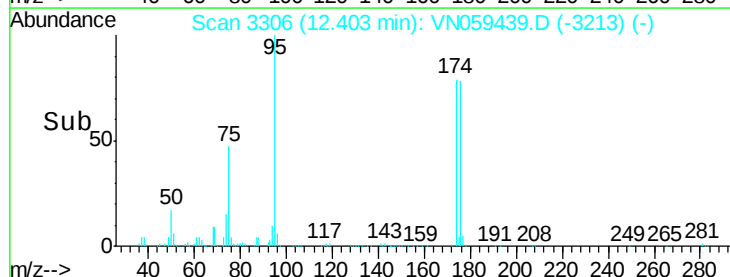
100000

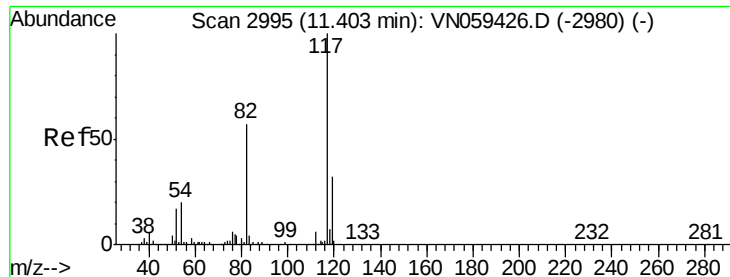
50000

0

Time-->

12.35 12.40 12.45 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

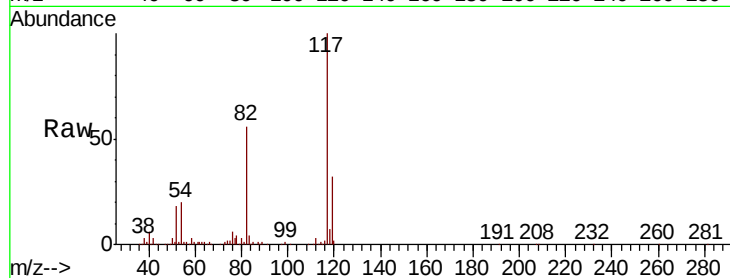
Tot Ion:117 Resp: 551391

Ion Ratio Lower Upper

117 100

82 56.2 45.4 68.0

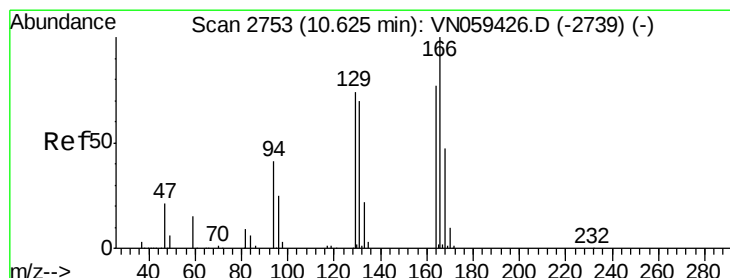
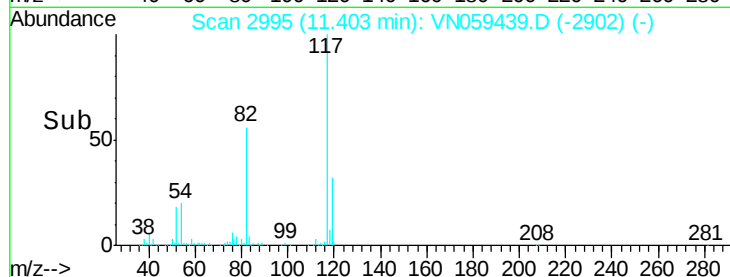
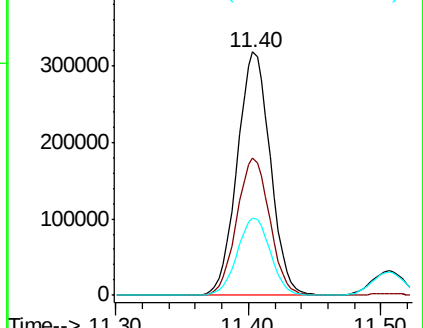
119 31.8 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.961 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Tgt Ion:164 Resp: 81407

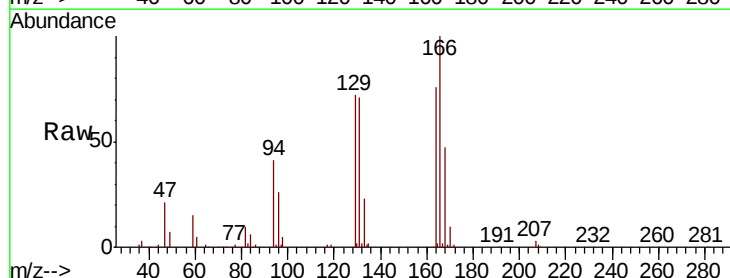
Ion Ratio Lower Upper

164 100

166 131.1 104.2 156.4

129 93.8 76.8 115.2

131 93.2 73.0 109.6

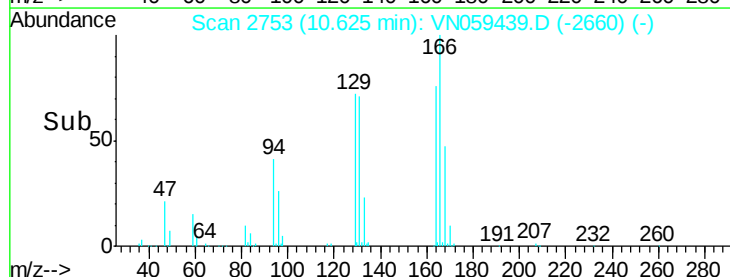
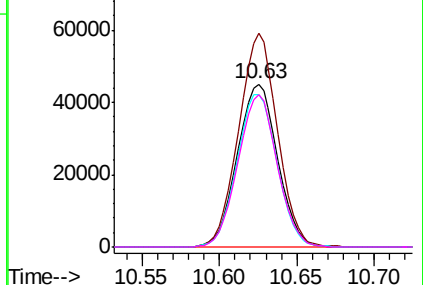


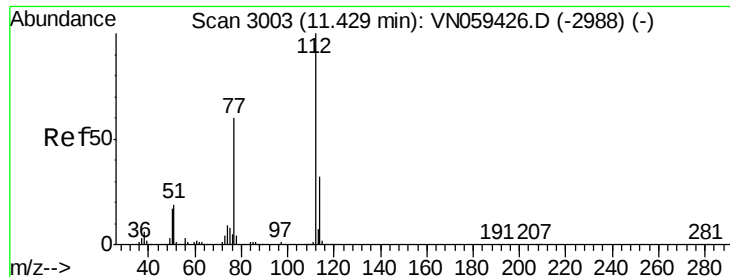
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.219 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

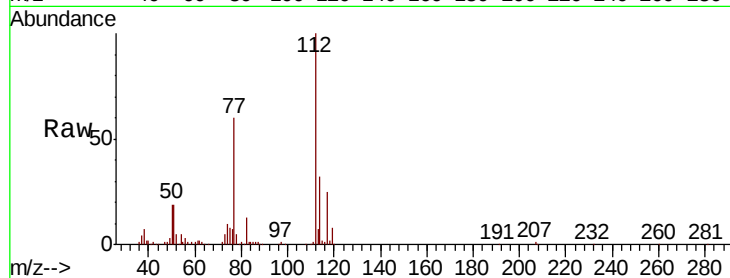
ClientSampled :

Tot Ion:112 Resp: 214531

Ion Ratio Lower Upper

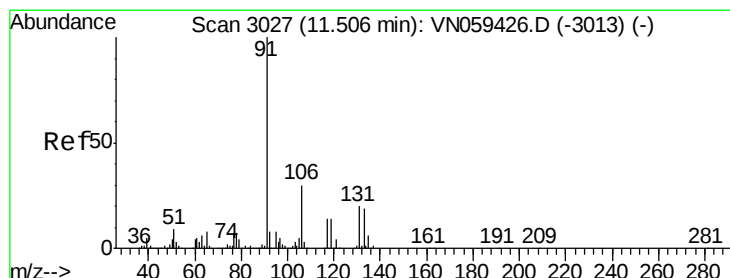
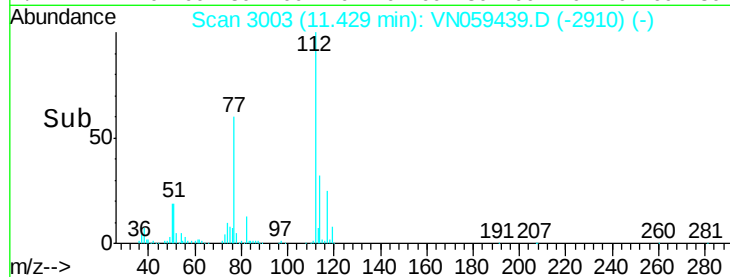
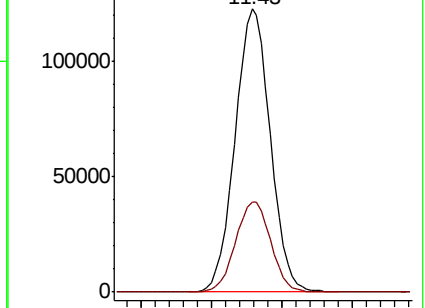
112 100

114 31.9 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.408 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

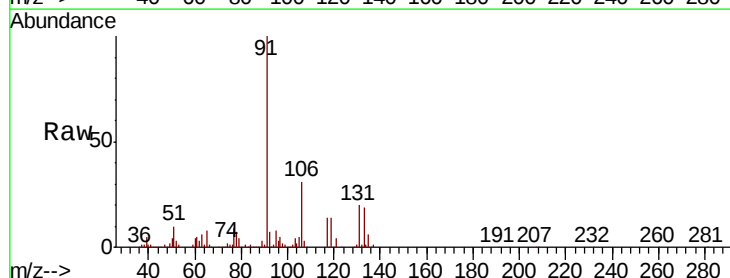
Tgt Ion:131 Resp: 78566

Ion Ratio Lower Upper

131 100

133 96.4 48.2 144.6

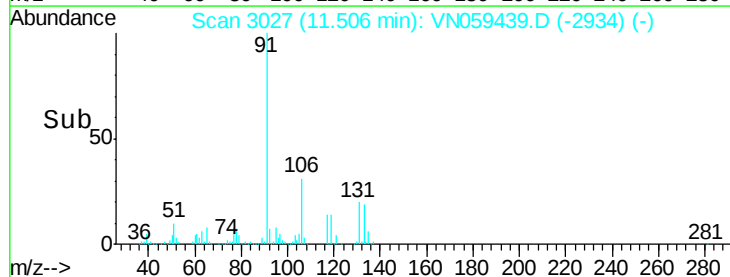
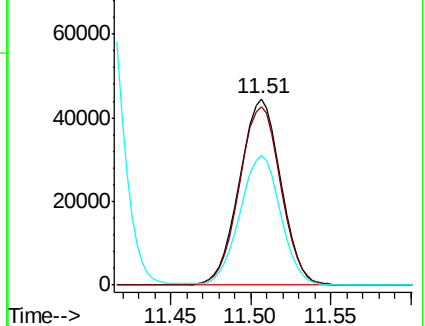
119 68.6 33.8 101.3

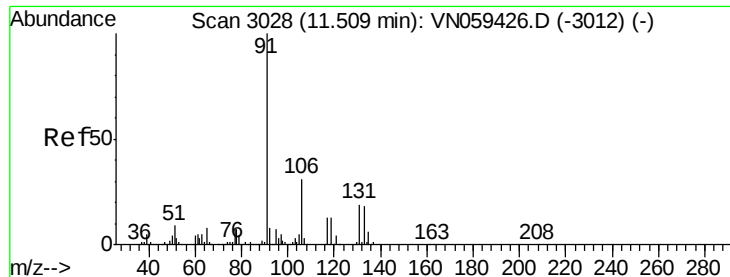


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.666 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

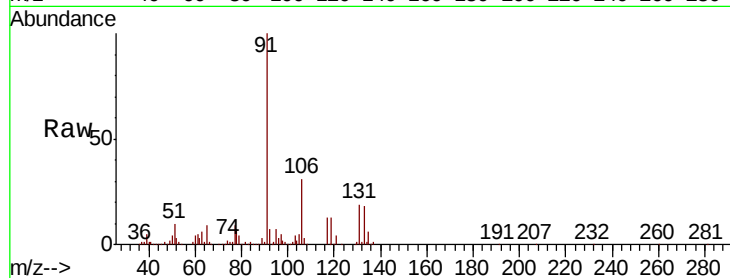
ClientSampleId :

Tot Ion: 91 Resp: 385591

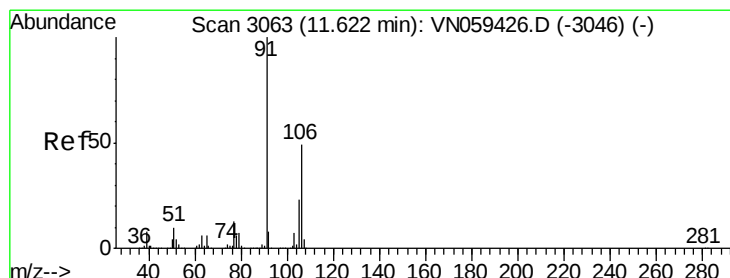
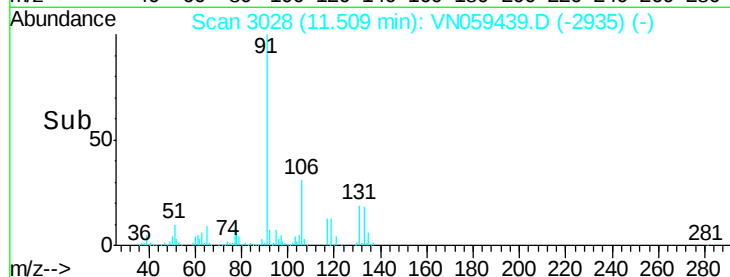
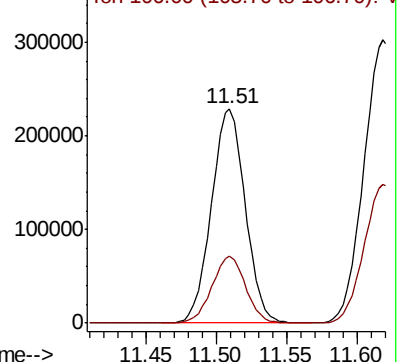
Ion Ratio Lower Upper

91 100

106 31.2 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN059439.D (-2935) (-)



#68

m/p-Xylenes

Concen: 39.325 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059439.D

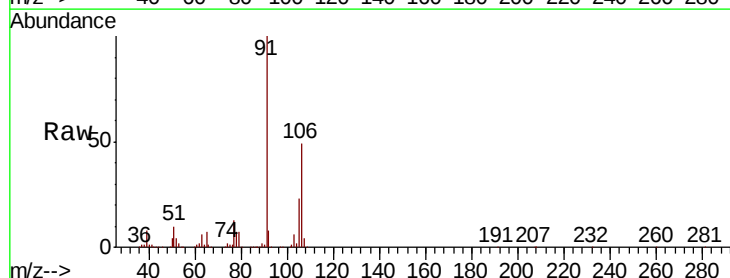
Acq: 29 Nov 2019 11:50

Tgt Ion: 106 Resp: 287874

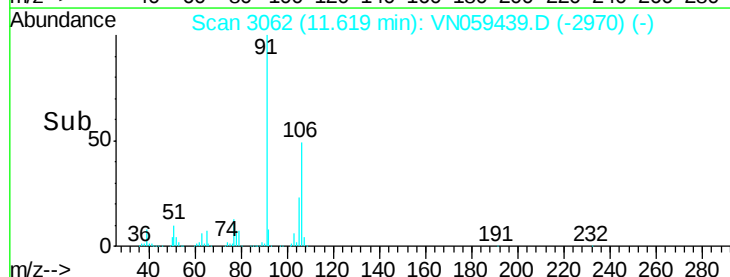
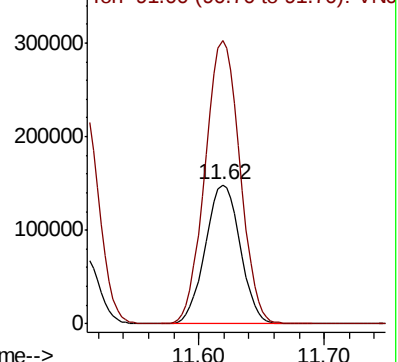
Ion Ratio Lower Upper

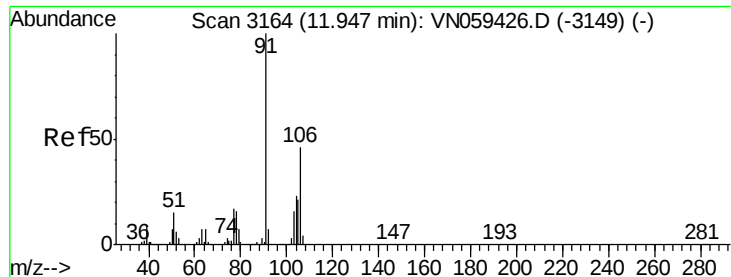
106 100

91 202.9 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): VN059439.D (-2970) (-)

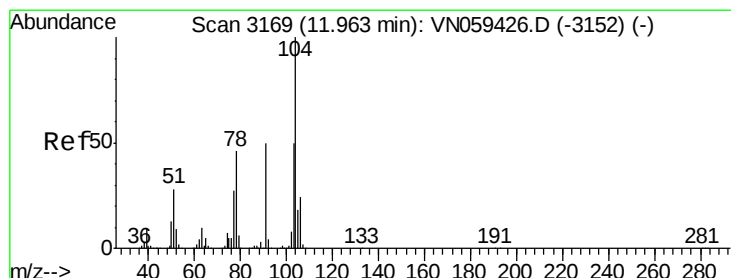
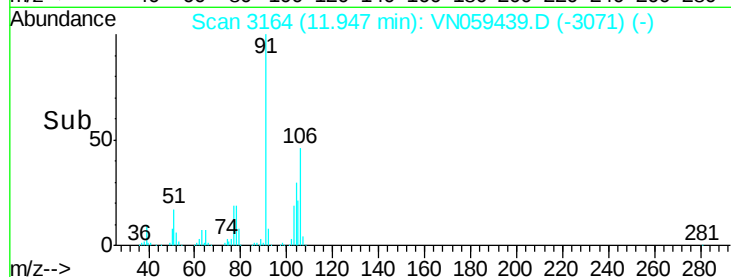
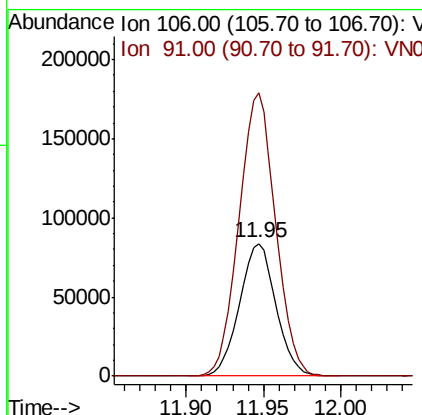
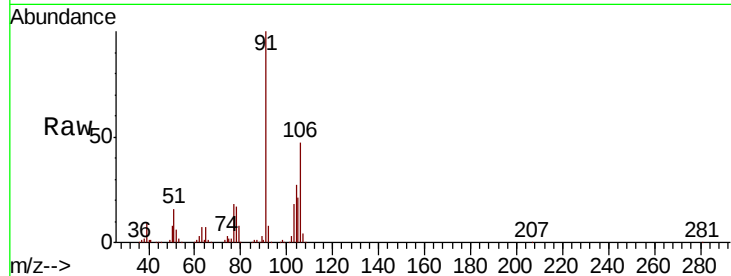




#69
o-Xylene
Concen: 19.520 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

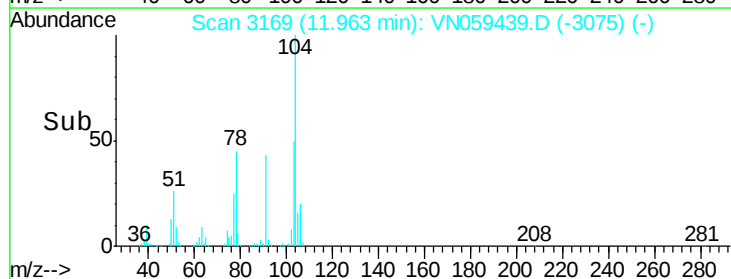
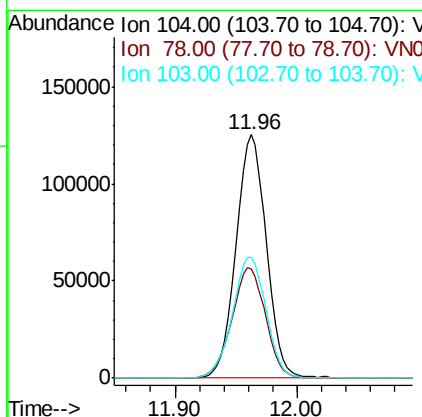
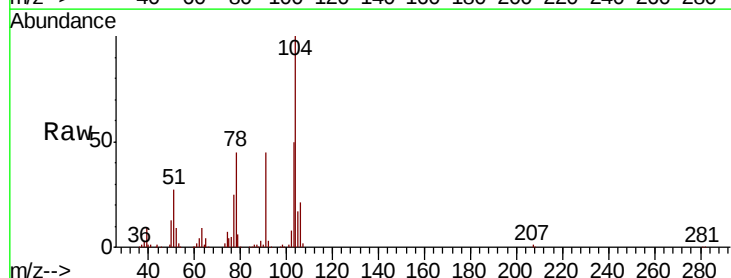
Instrument :
MSVOA_N
ClientSampled :

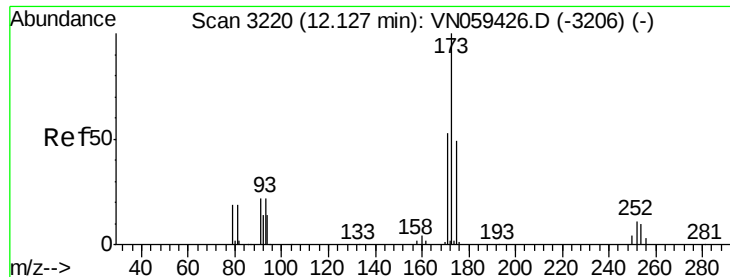
Tot Ion:106 Resp: 137039
Ion Ratio Lower Upper
106 100
91 215.0 107.5 322.4



#70
Styrene
Concen: 20.668 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059439.D
Acq: 29 Nov 2019 11:50

Tgt Ion:104 Resp: 215150
Ion Ratio Lower Upper
104 100
78 50.3 40.4 60.6
103 55.1 43.8 65.6





#71

Bromoform

Concen: 19.394 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

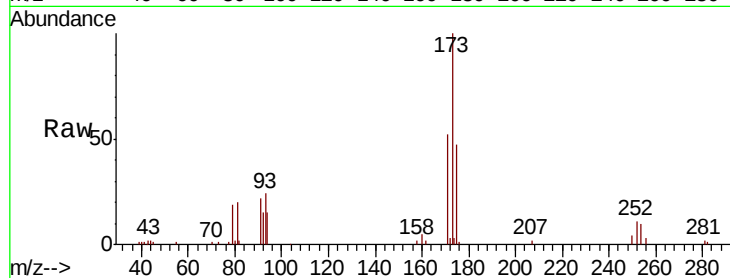
Tot Ion:173 Resp: 59780

Ion Ratio Lower Upper

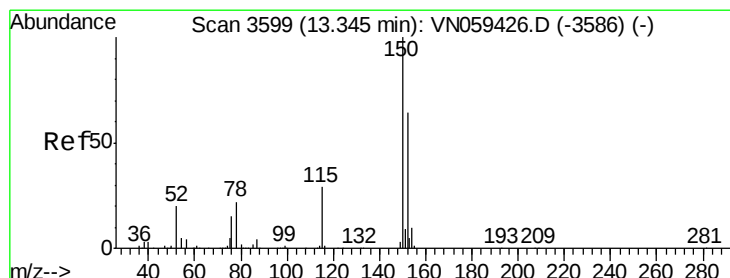
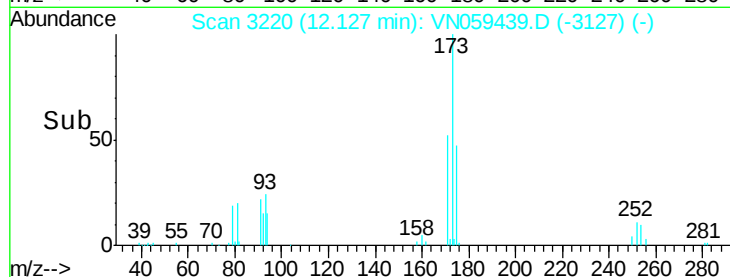
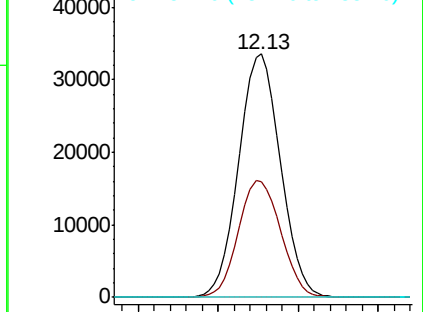
173 100

175 48.5 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: VN059439.D

Acq: 29 Nov 2019 11:50

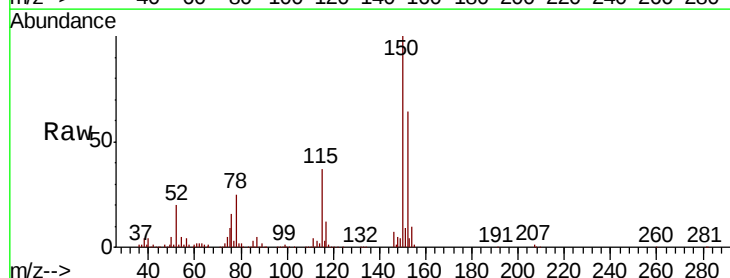
Tgt Ion:152 Resp: 253572

Ion Ratio Lower Upper

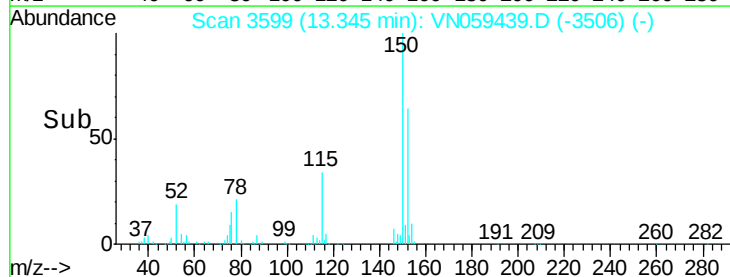
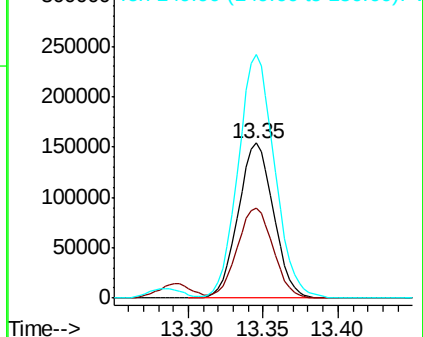
152 100

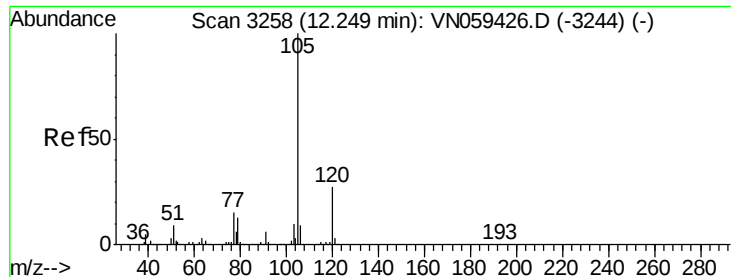
115 58.4 29.5 88.6

150 162.0 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: 19.521 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

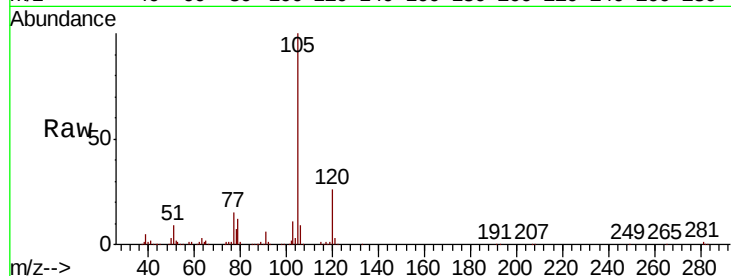
ClientSampled :

Tot Ion: 105 Resp: 366701

Ion Ratio Lower Upper

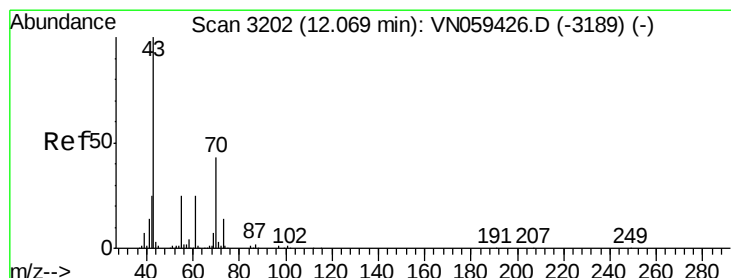
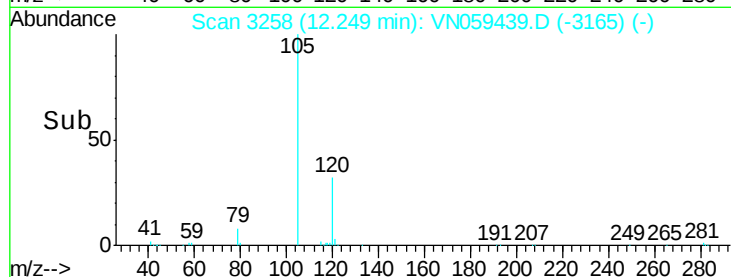
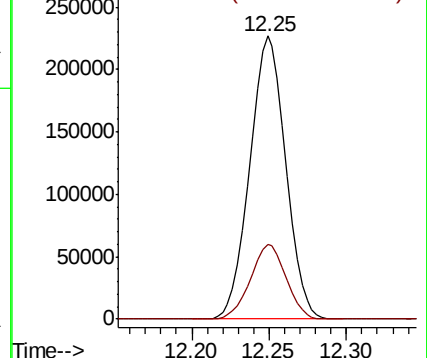
105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.755 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Tgt Ion: 43 Resp: 135093

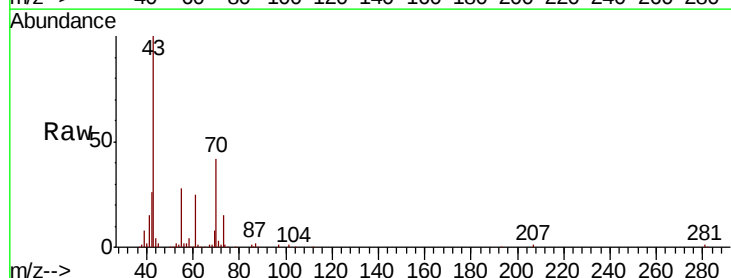
Ion Ratio Lower Upper

43 100

70 42.3 34.6 52.0

55 27.3 20.5 30.7

61 24.3 20.2 30.4

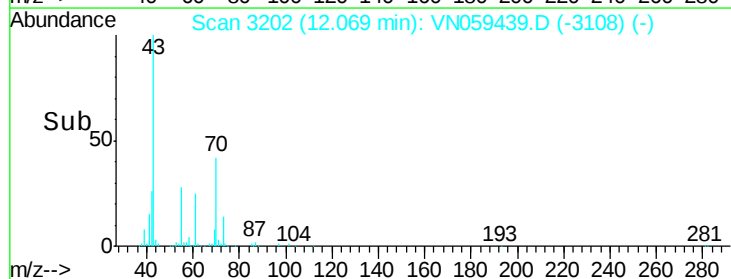
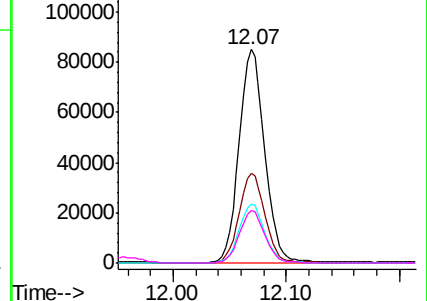


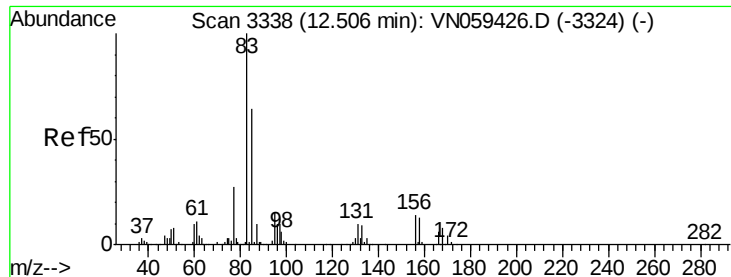
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.868 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

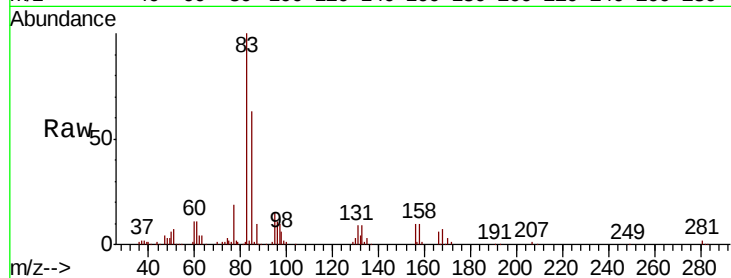
Tot Ion: 83 Resp: 115583

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

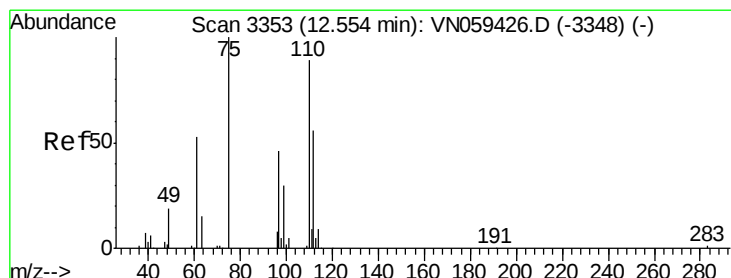
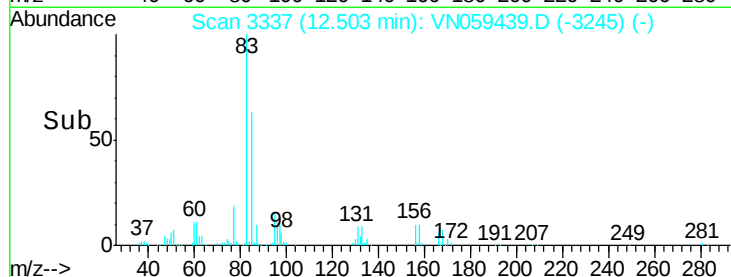
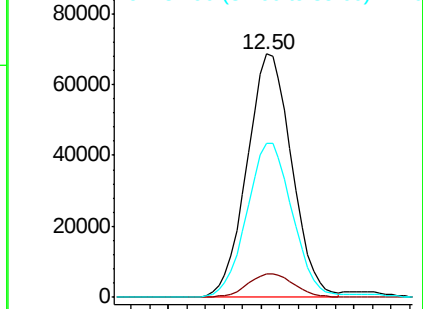
85 64.4 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN059426.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN059426.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN059426.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 27.159 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059439.D

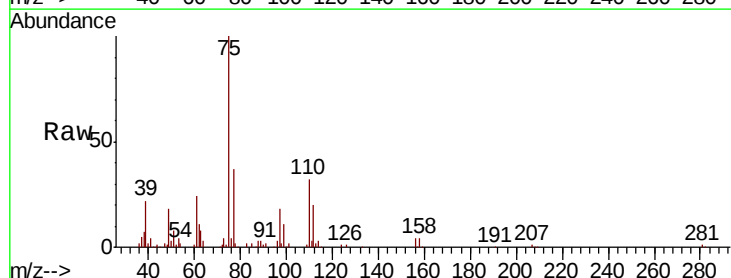
Acq: 29 Nov 2019 11:50

Tgt Ion: 75 Resp: 155796

Ion Ratio Lower Upper

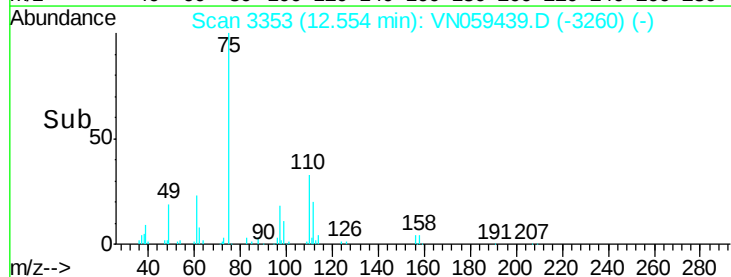
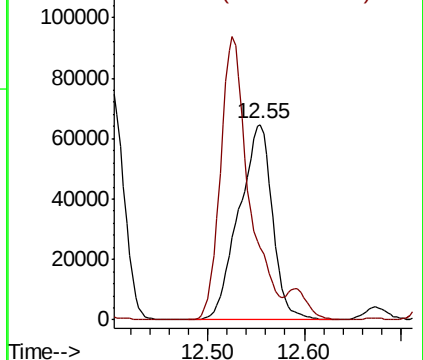
75 100

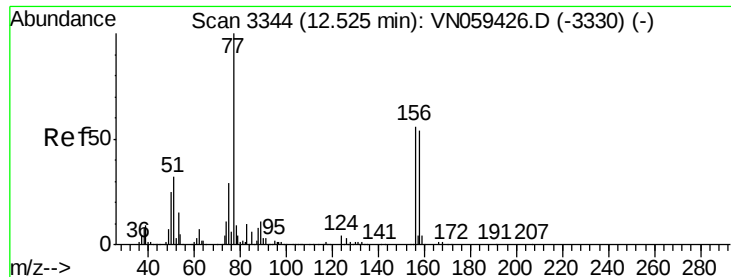
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059426.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN059426.D (-3348) (-)





#77

Bromobenzene

Concen: 19.726 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

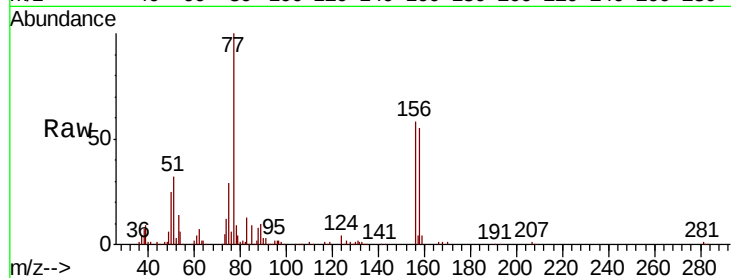
Tot Ion:156 Resp: 90720

Ion Ratio Lower Upper

156 100

77 212.2 108.7 326.3

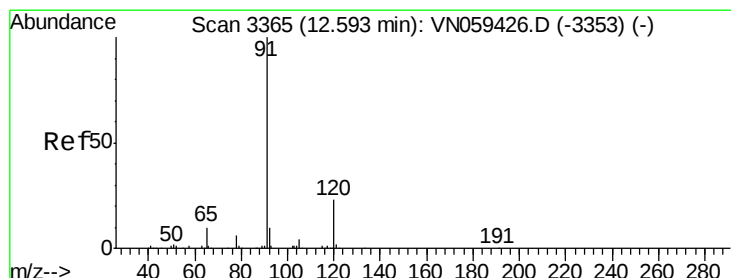
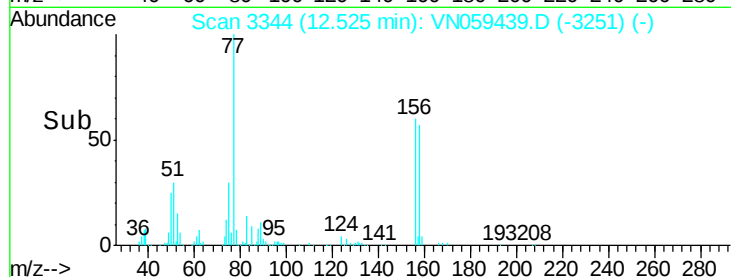
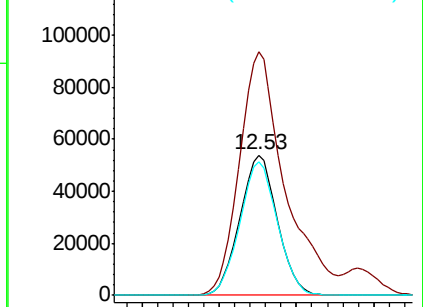
158 95.4 48.3 144.9



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



#78

n-propylbenzene

Concen: 19.550 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059439.D

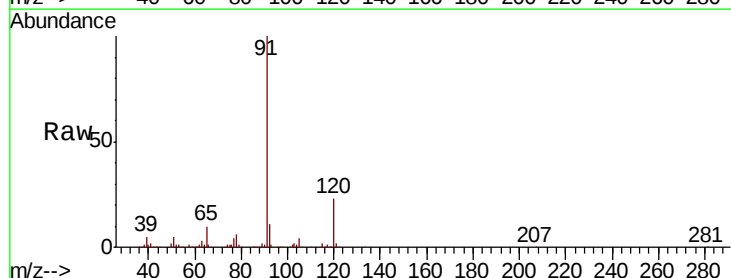
Acq: 29 Nov 2019 11:50

Tgt Ion: 91 Resp: 423209

Ion Ratio Lower Upper

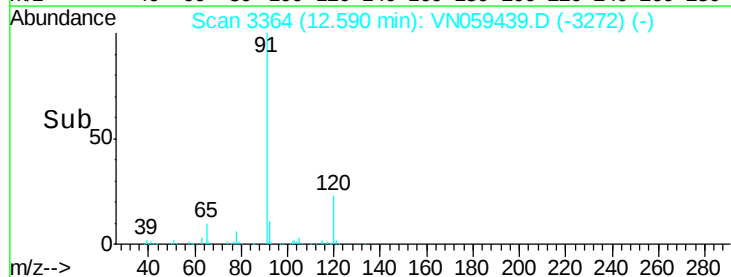
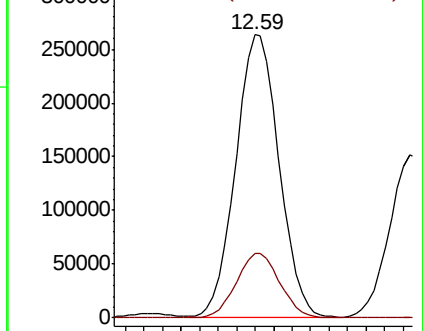
91 100

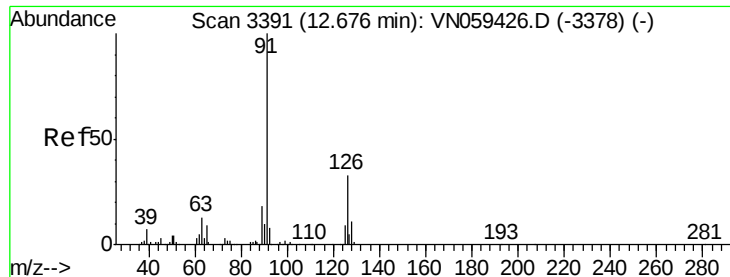
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.487 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

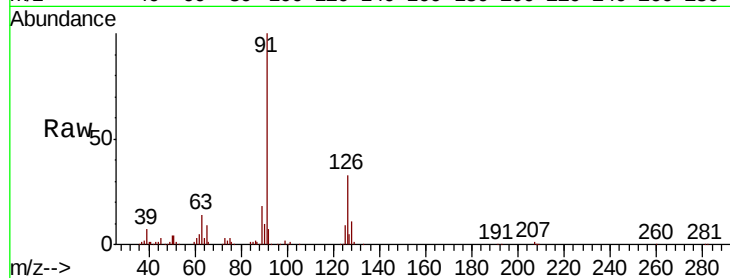
ClientSampled :

Tot Ion: 91 Resp: 252202

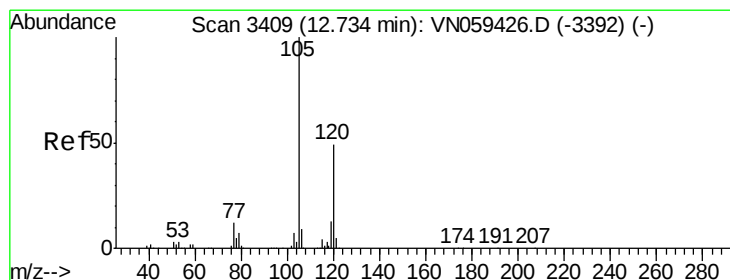
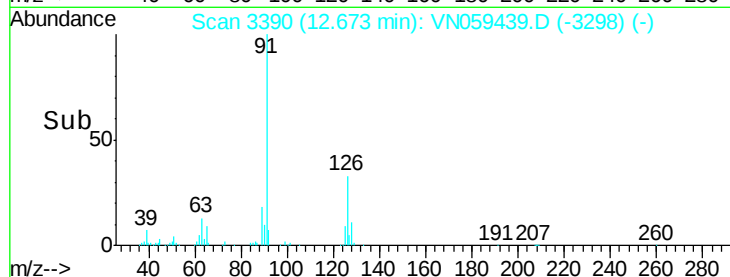
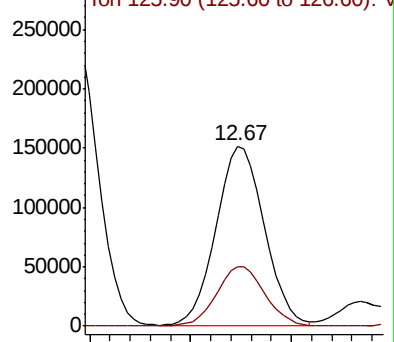
Ion Ratio Lower Upper

91 100

126 33.3 16.7 50.1



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



#80

1,3,5-Trimethylbenzene

Concen: 19.462 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059439.D

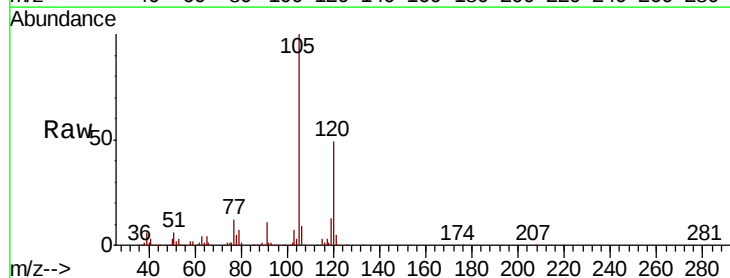
Acq: 29 Nov 2019 11:50

Tgt Ion: 105 Resp: 307311

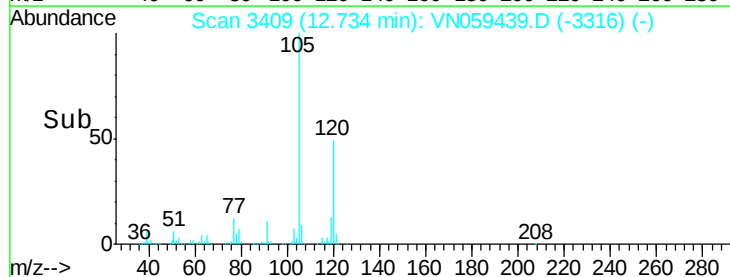
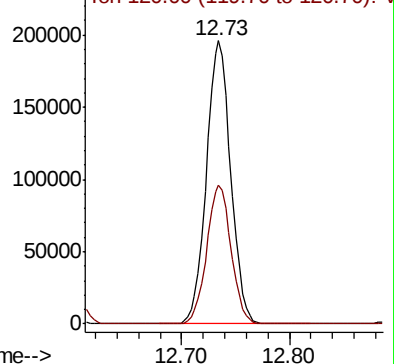
Ion Ratio Lower Upper

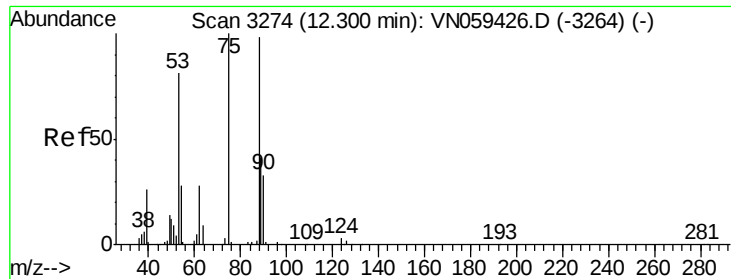
105 100

120 49.2 24.6 73.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.947 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

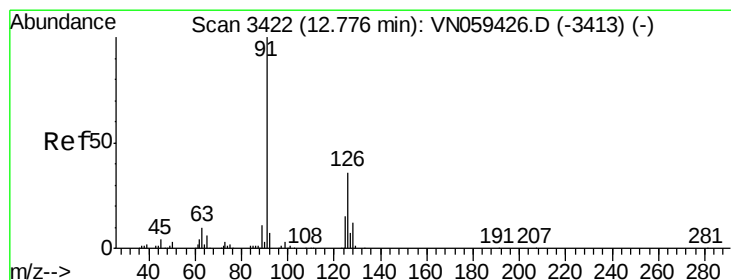
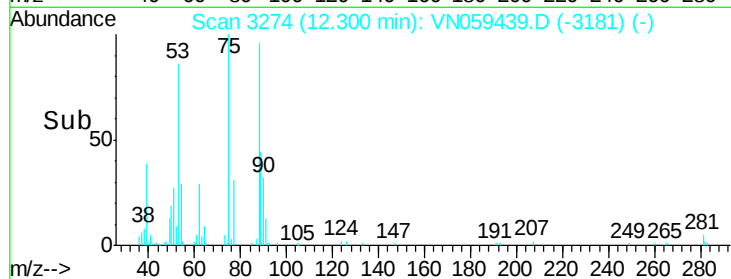
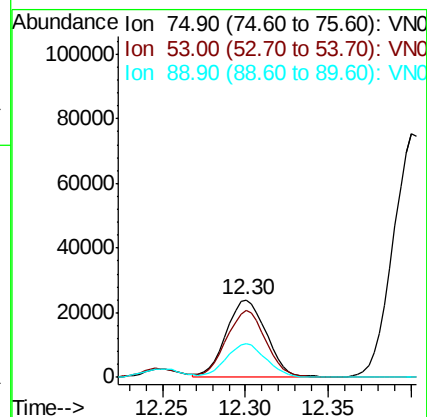
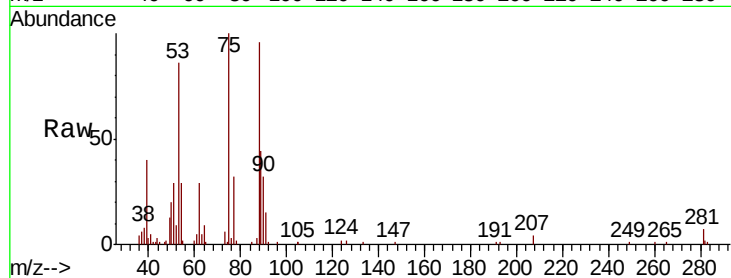
Tot Ion: 75 Resp: 40068

Ion Ratio Lower Upper

75 100

53 85.8 66.2 99.4

89 44.1 33.9 50.9



#82

4-Chlorotoluene

Concen: 19.006 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059439.D

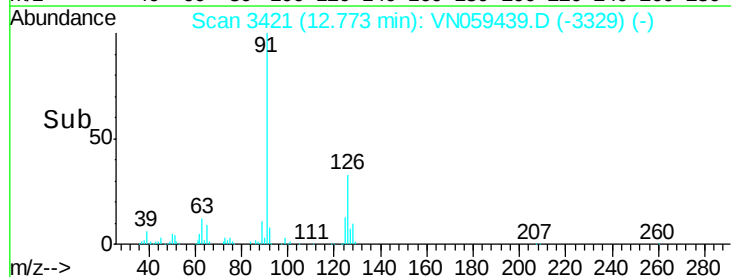
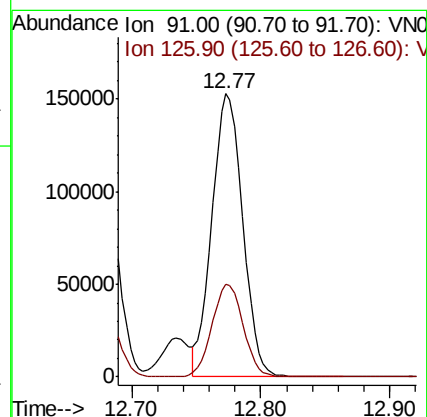
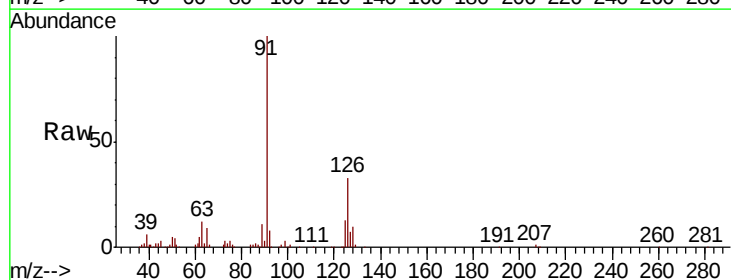
Acq: 29 Nov 2019 11:50

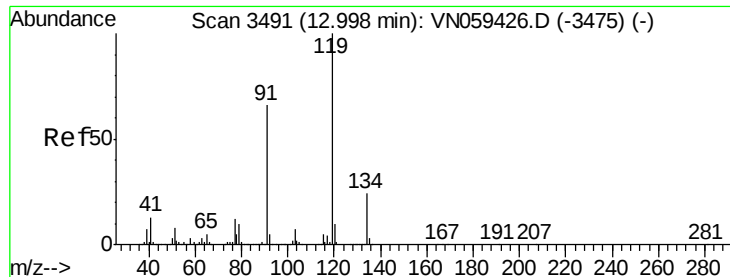
Tgt Ion: 91 Resp: 253084

Ion Ratio Lower Upper

91 100

126 33.3 16.7 50.0





#83

tert-Butylbenzene

Concen: 19.245 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

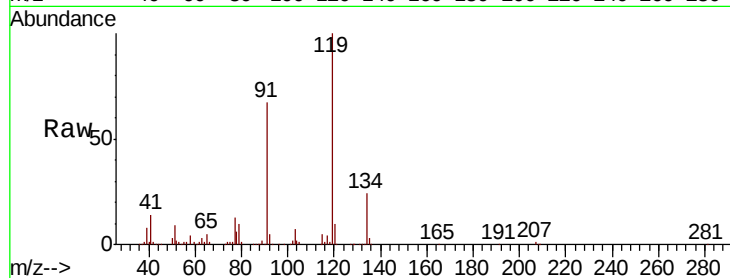
Tot Ion:119 Resp: 260934

Ion Ratio Lower Upper

119 100

91 65.5 32.8 98.4

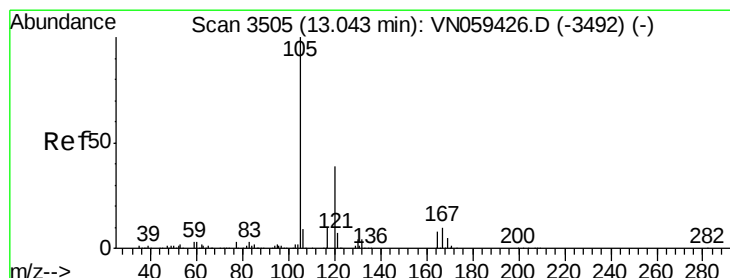
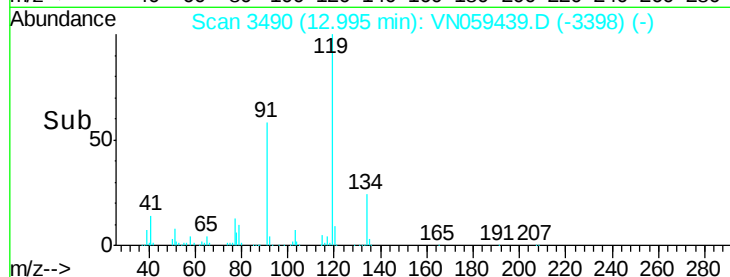
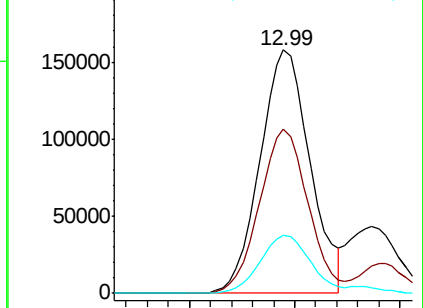
134 23.9 12.9 38.6



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: 19.516 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059439.D

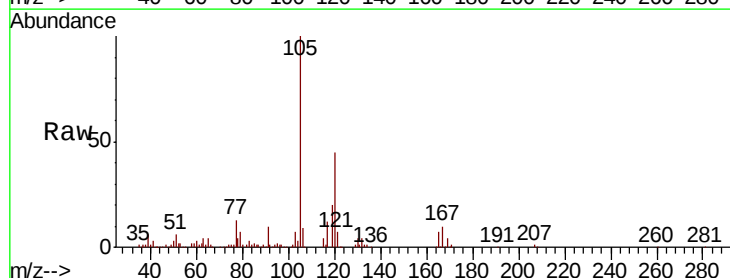
Acq: 29 Nov 2019 11:50

Tgt Ion:105 Resp: 301881

Ion Ratio Lower Upper

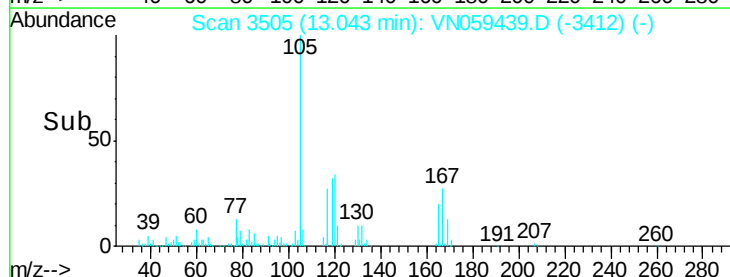
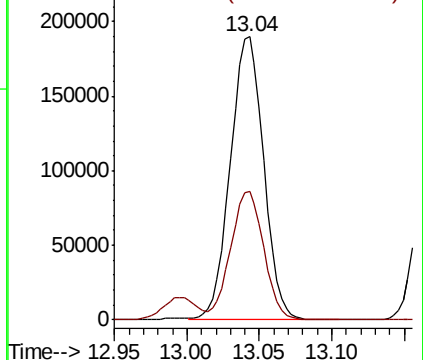
105 100

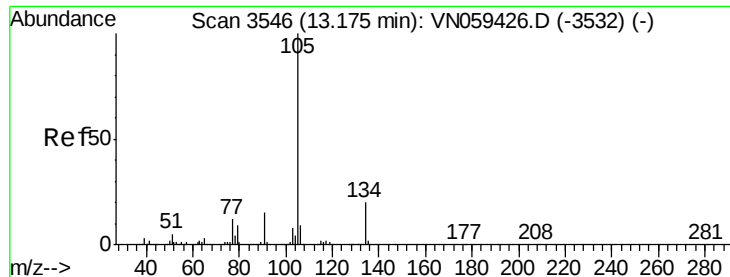
120 45.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.400 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

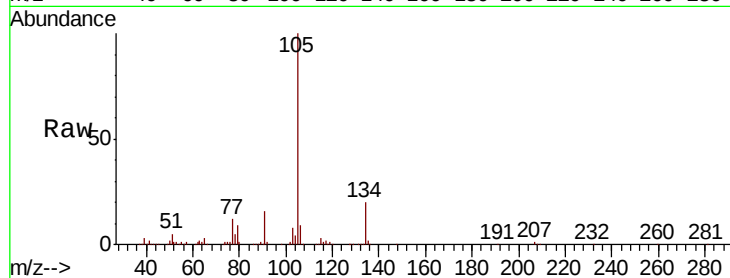
ClientSampled :

Tot Ion:105 Resp: 349309

Ion Ratio Lower Upper

105 100

134 20.0 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

250000

200000

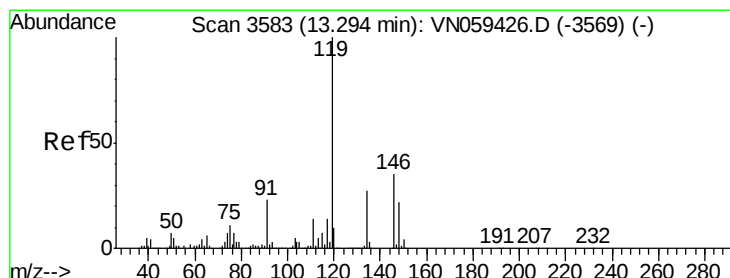
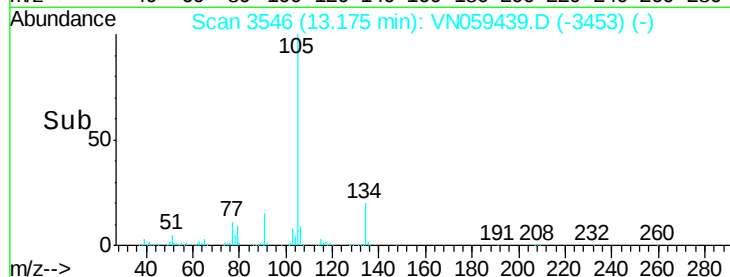
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.384 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

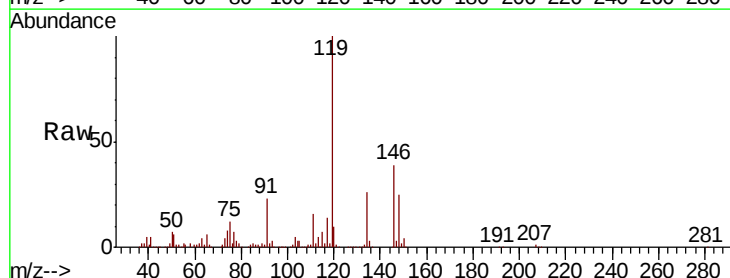
Tgt Ion:119 Resp: 315531

Ion Ratio Lower Upper

119 100

134 26.0 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

250000

200000

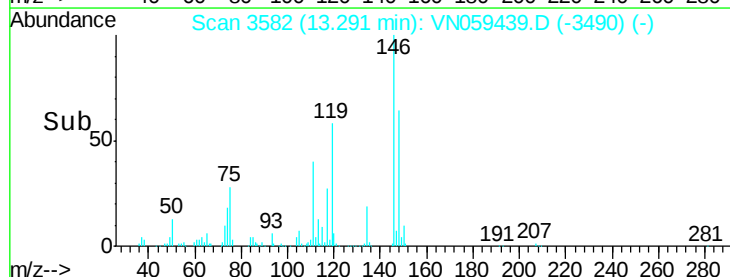
150000

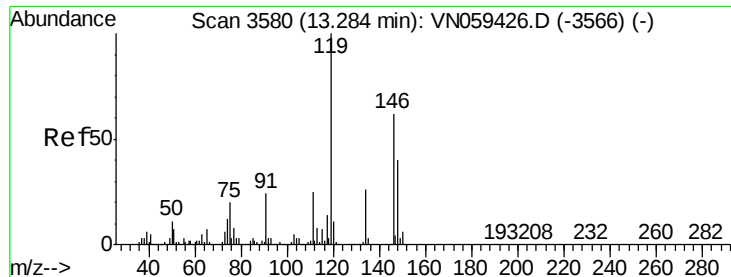
100000

50000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.176 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampled :

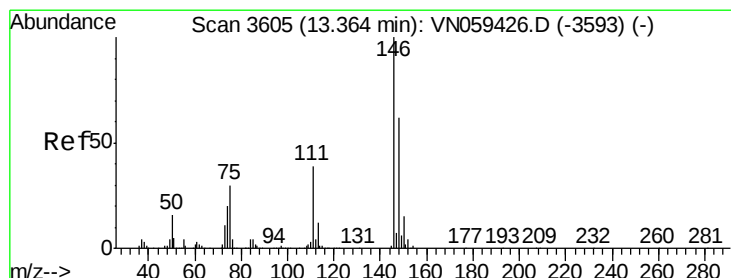
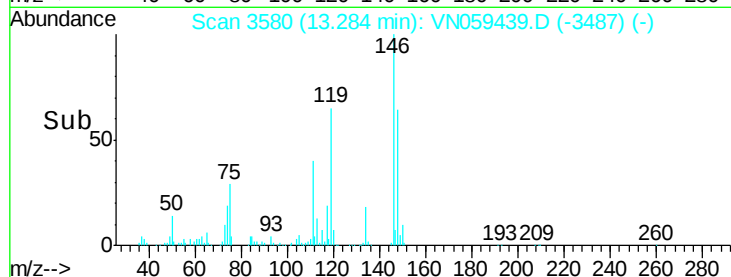
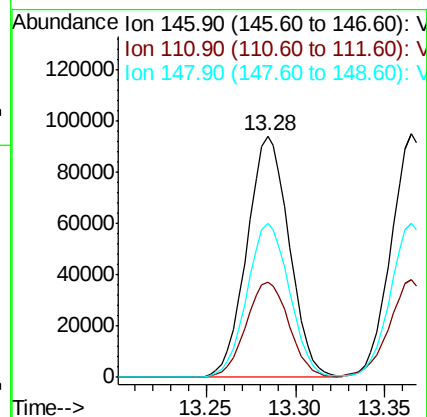
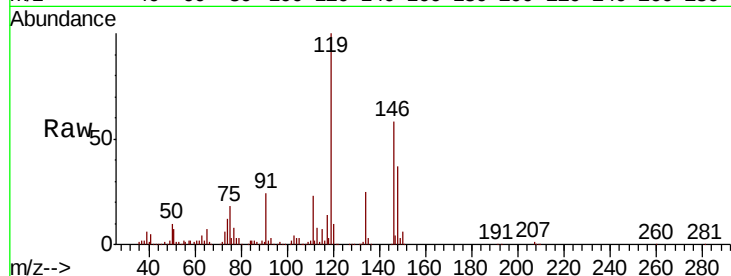
Tot Ion:146 Resp: 156295

Ion Ratio Lower Upper

146 100

111 40.1 20.4 61.2

148 64.2 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 18.793 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

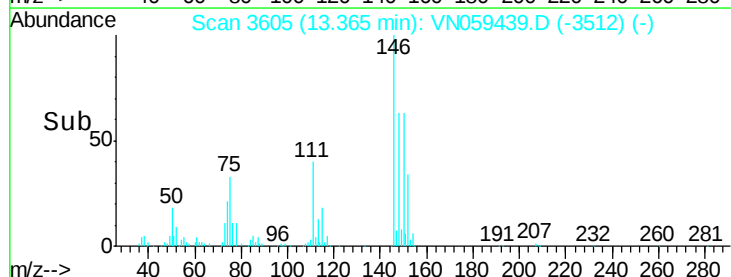
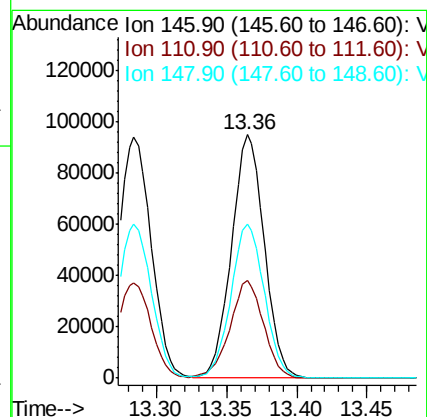
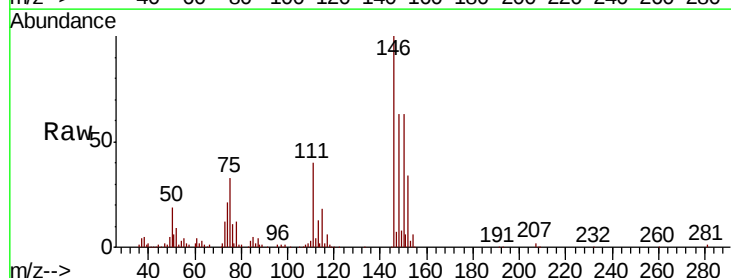
Tgt Ion:146 Resp: 153777

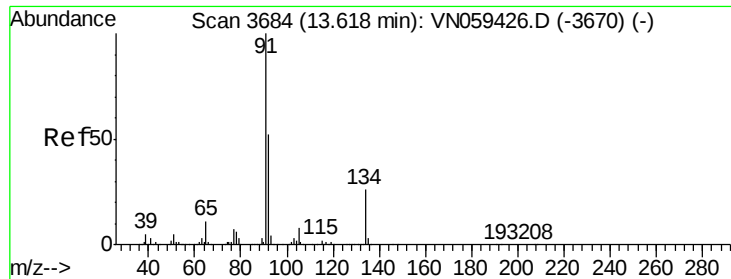
Ion Ratio Lower Upper

146 100

111 41.3 19.9 59.7

148 64.8 31.6 95.0





#89

n-Butylbenzene

Concen: 18.697 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampled :

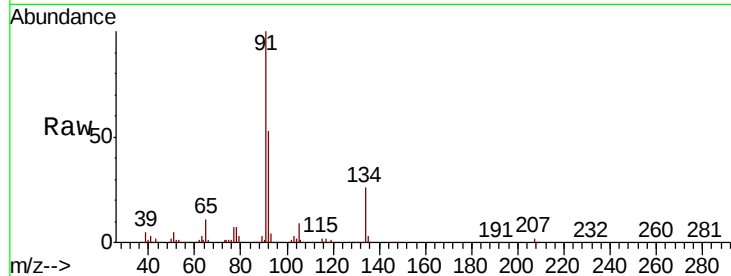
Tot Ion: 91 Resp: 266042

Ion Ratio Lower Upper

91 100

92 52.2 25.9 77.8

134 25.3 12.8 38.4

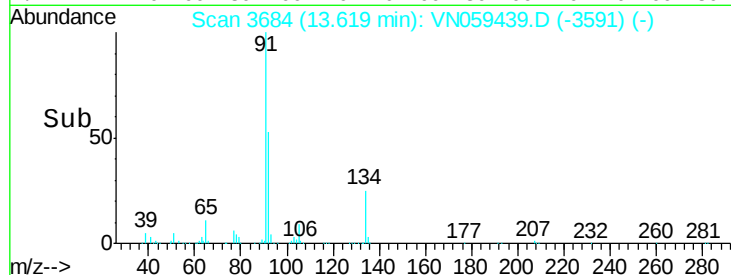


Abundance Ion 91.00 (90.70 to 91.70): VN059426.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN059426.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN059426.D (-3670) (-)

Time-->

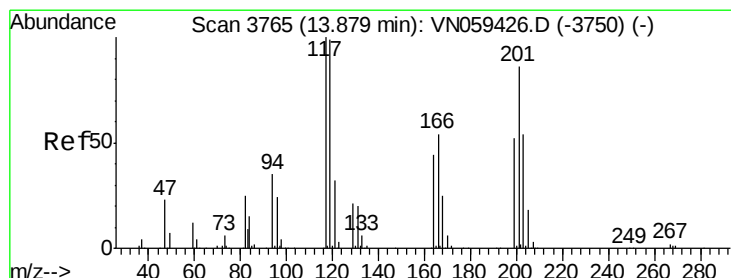


Abundance Ion 91.00 (90.70 to 91.70): VN059439.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN059439.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN059439.D (-3591) (-)

Time-->



#90

Hexachloroethane

Concen: 18.390 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059439.D

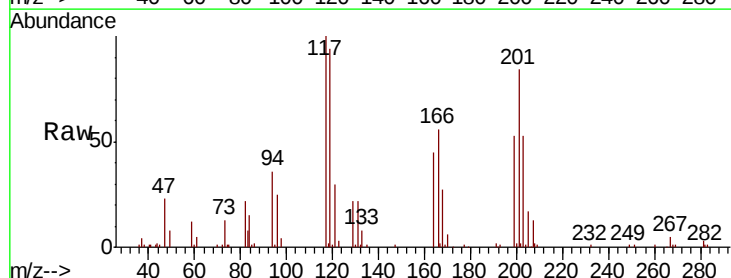
Acq: 29 Nov 2019 11:50

Tgt Ion: 117 Resp: 57214

Ion Ratio Lower Upper

117 100

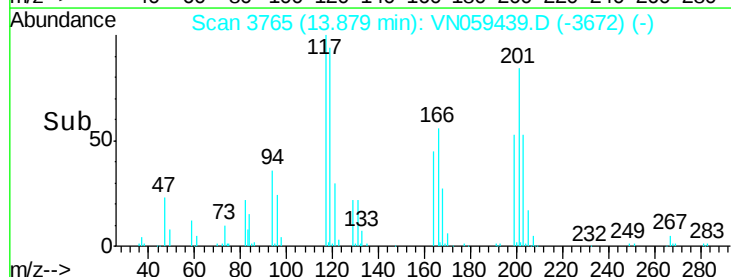
201 84.5 42.1 126.4



Abundance Ion 116.80 (116.50 to 117.50): VN059426.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059426.D (-3750) (-)

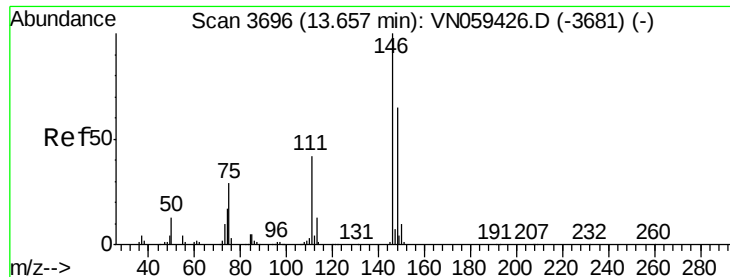
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN059439.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN059439.D (-3672) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 19.079 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

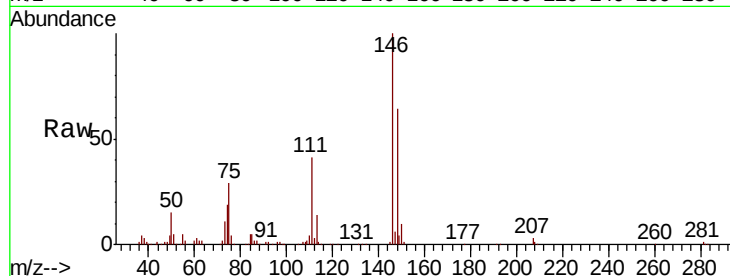
Tot Ion:146 Resp: 152374

Ion Ratio Lower Upper

146 100

111 41.4 21.3 63.7

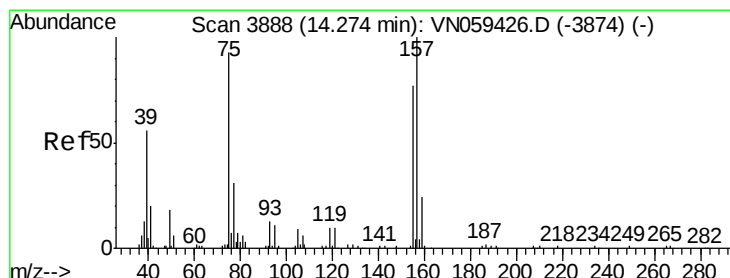
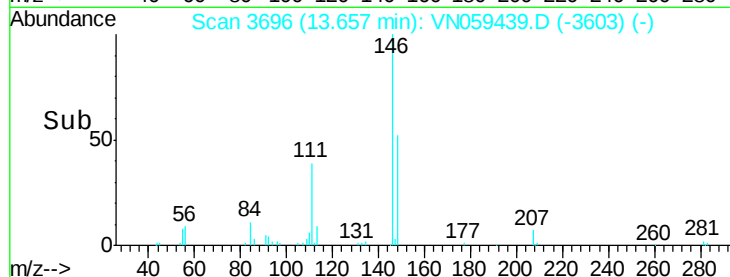
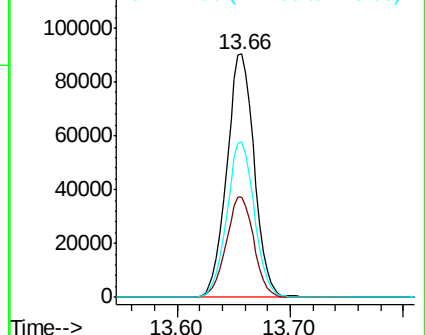
148 63.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.906 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

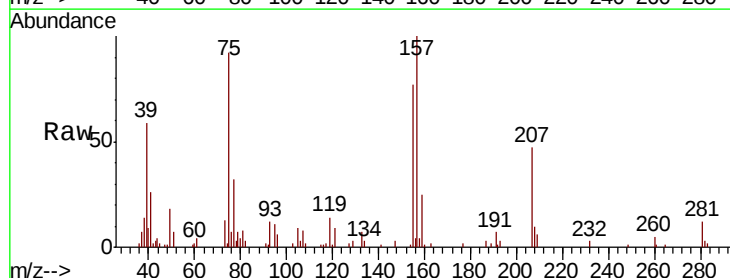
Tgt Ion: 75 Resp: 21463

Ion Ratio Lower Upper

75 100

155 85.6 41.9 125.8

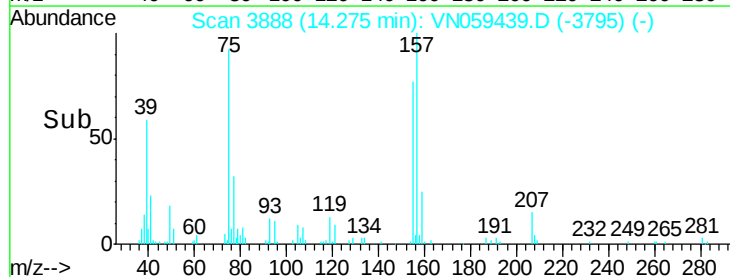
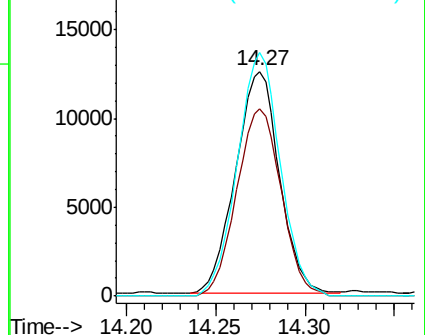
157 107.7 54.1 162.3

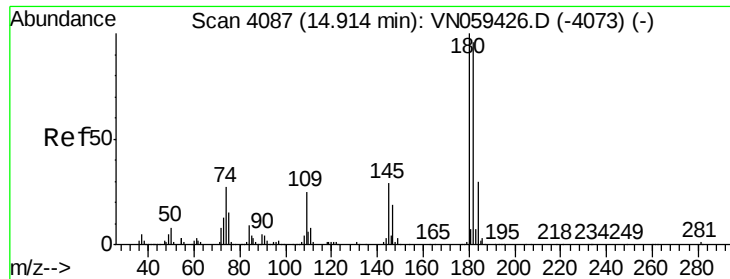


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

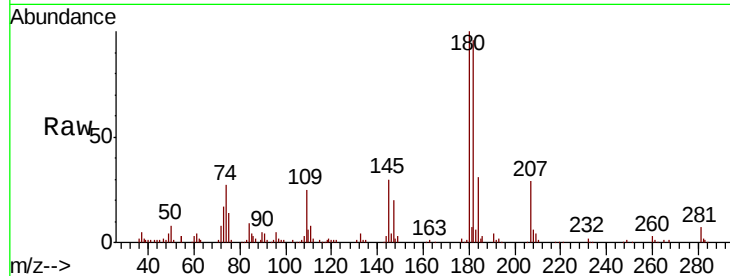




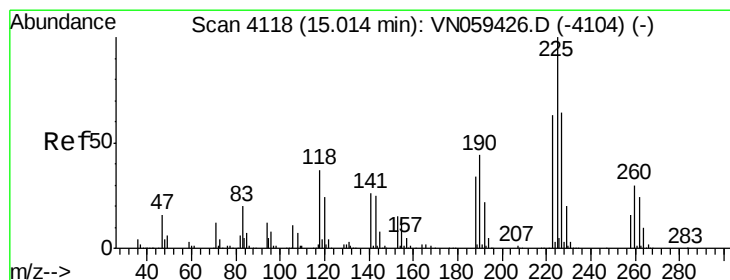
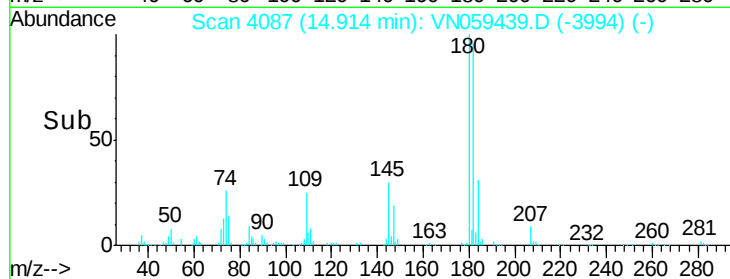
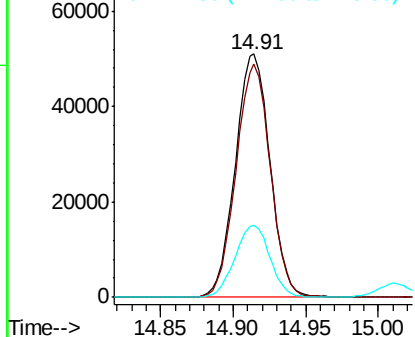
#93
 1,2,4-Trichlorobenzene
 Concen: 17.102 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 84904
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.3 142.0
 145 29.9 14.8 44.4

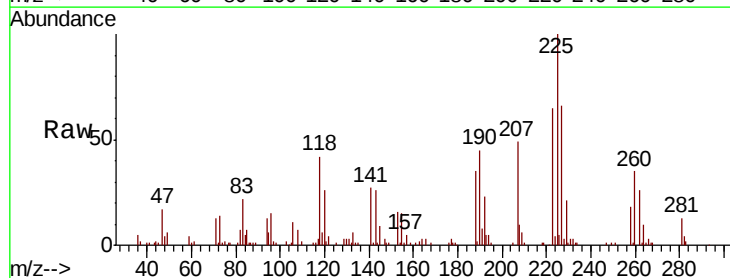


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

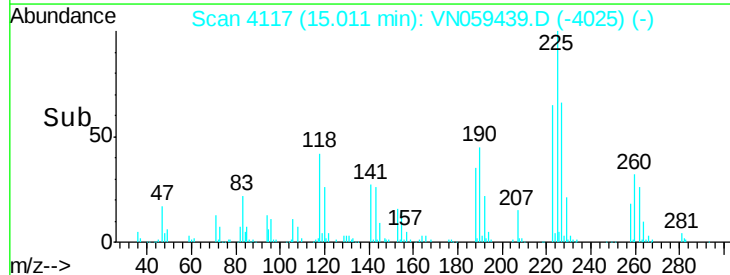
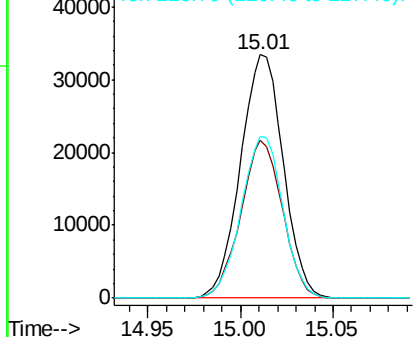


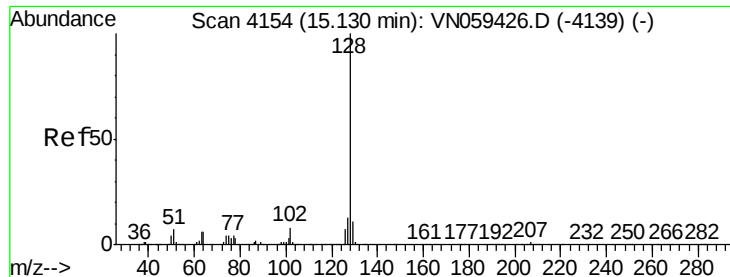
#94
 Hexachlorobutadiene
 Concen: 17.668 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059439.D
 Acq: 29 Nov 2019 11:50

Tgt Ion:225 Resp: 53752
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.5 94.5
 227 64.9 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: 20.223 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

Instrument :

MSVOA_N

ClientSampleId :

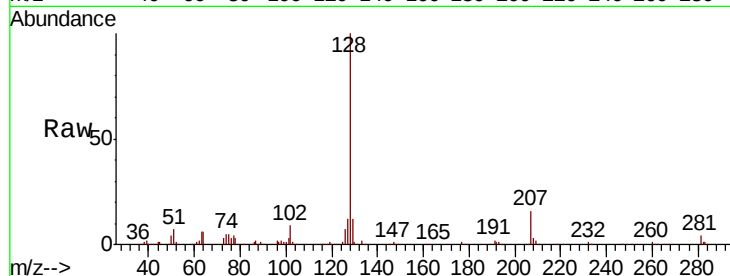
Tot Ion:128 Resp: 210611

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

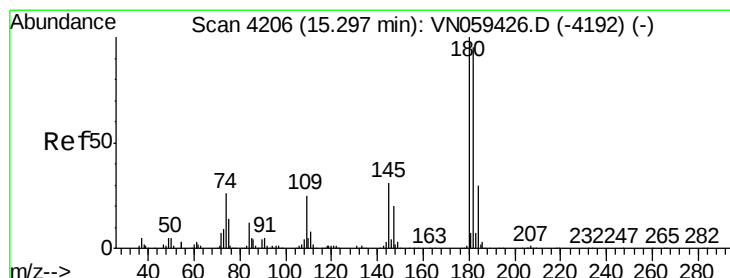
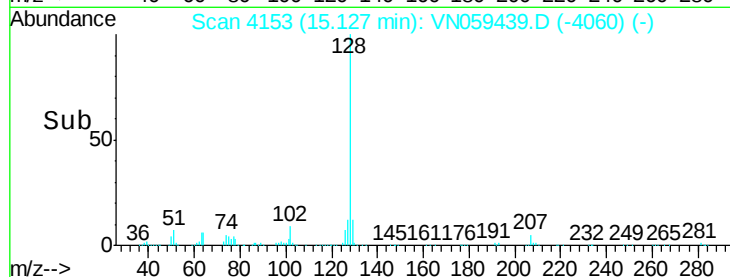
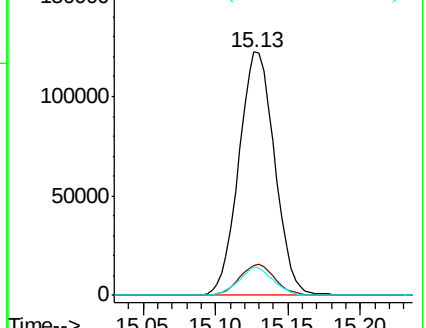
129 11.0 8.6 12.8



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: 20.397 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059439.D

Acq: 29 Nov 2019 11:50

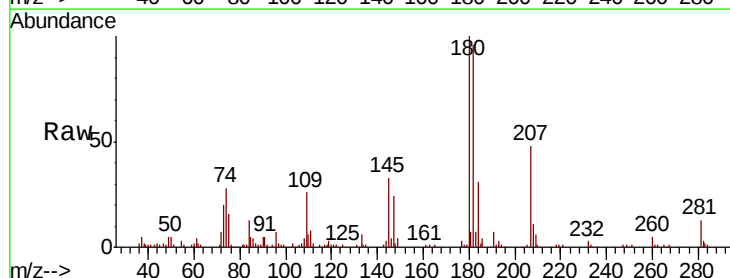
Tgt Ion:180 Resp: 84278

Ion Ratio Lower Upper

180 100

182 95.8 47.5 142.6

145 33.1 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

