

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120619\
 Data File : VN059523.D
 Acq On : 6 Dec 2019 18:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 22:22:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	238935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	385591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	362145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	173025	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	169452	57.09	ug/l	0.00
Spiked Amount			Recovery	=	114.18%	
35) Dibromofluoromethane	7.57	113	120451	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
50) Toluene-d8	10.08	98	480509	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	174494	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	131572	49.484	ug/l	99
3) Chloromethane	2.04	50	209214	58.708	ug/l	99
4) Vinyl Chloride	2.17	62	202954	94.907	ug/l	97
5) Bromomethane	2.54	94	122077	93.938	ug/l	99
6) Chloroethane	2.68	64	126756	100.400	ug/l	99
7) Trichlorofluoromethane	3.00	101	242084	93.736	ug/l	97
8) Diethyl Ether	3.39	74	77724	46.190	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	121088	47.762	ug/l	97
10) Methyl Iodide	3.93	142	157966	49.208	ug/l	95
11) Tert butyl alcohol	4.74	59	130295	232.951	ug/l	98
12) 1,1-Dichloroethene	3.71	96	116959	47.194	ug/l	95
13) Acrolein	3.58	56	174384	359.242	ug/l	97
14) Allyl chloride	4.29	41	231646	47.457	ug/l	90
15) Acrylonitrile	4.95	53	376283	248.670	ug/l	98
16) Acetone	3.79	43	349971	210.310	ug/l	95
17) Carbon Disulfide	4.03	76	369002	43.638	ug/l	100
18) Methyl Acetate	4.29	43	205735	51.489	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	427180	50.575	ug/l	99
20) Methylene Chloride	4.52	84	140753	50.353	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	131290	47.347	ug/l	97
22) Diisopropyl ether	5.92	45	474754	52.256	ug/l	96
23) Vinyl Acetate	5.86	43	2042483	280.171	ug/l	98
24) 1,1-Dichloroethane	5.82	63	259955	50.368	ug/l	99
25) 2-Butanone	6.81	43	536242	237.688	ug/l	99
26) 2,2-Dichloropropane	6.80	77	221288	49.573	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	151166	49.085	ug/l	97
28) Bromochloromethane	7.17	49	110035	54.706	ug/l	95
29) Tetrahydrofuran	7.18	42	360342	254.012	ug/l	98
30) Chloroform	7.35	83	258707	51.916	ug/l	98
31) Cyclohexane	7.63	56	235397	47.073	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	227714	52.576	ug/l	97
36) 1,1-Dichloropropene	7.77	75	195193	48.646	ug/l	99
37) Ethyl Acetate	6.90	43	226567	50.550	ug/l	98
38) Carbon Tetrachloride	7.75	117	200620	51.984	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	227811	47.178	ug/l	97
40) Benzene	8.02	78	575922	49.014	ug/l	98
41) Methacrylonitrile	7.18	41	329502	181.394	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	222988	55.867	ug/l	97
43) Isopropyl Acetate	8.14	43	361253	54.191	ug/l	97
44) Trichloroethene	8.82	130	143384	46.695	ug/l	99
45) 1,2-Dichloropropane	9.10	63	156241	49.770	ug/l	100
46) Dibromomethane	9.19	93	102050	52.214	ug/l	95
47) Bromodichloromethane	9.39	83	209404	53.435	ug/l	99
48) Methyl methacrylate	9.18	41	164171	54.587	ug/l	91
49) 1,4-Dioxane	9.18	88	39754	873.545	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1129971	285.561	ug/l	95
52) Toluene	10.15	92	355484	50.023	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	236533	51.294	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	249851	51.118	ug/l #	90
55) 1,1,2-Trichloroethane	10.55	97	140983	50.325	ug/l	99
56) Ethyl methacrylate	10.42	69	217717	48.062	ug/l #	88
57) 1,3-Dichloropropane	10.70	76	247890	51.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	347885	226.494	ug/l	100
59) 2-Hexanone	10.74	43	842331	282.857	ug/l	94
60) Dibromochloromethane	10.90	129	156790	52.417	ug/l	99
61) 1,2-Dibromoethane	11.00	107	149024	51.482	ug/l	99
64) Tetrachloroethene	10.63	164	134544	43.676	ug/l	96
65) Chlorobenzene	11.43	112	375997	47.493	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	140389	49.351	ug/l	99
67) Ethyl Benzene	11.51	91	687103	49.536	ug/l	100
68) m/p-Xylenes	11.62	106	513075	99.340	ug/l	96
69) o-Xylene	11.95	106	244289	49.681	ug/l	98
70) Styrene	11.96	104	398491	50.767	ug/l	98
71) Bromoform	12.12	173	111614	50.336	ug/l #	100
73) Isopropylbenzene	12.25	105	663629	47.825	ug/l	99
74) N-amyl acetate	12.07	43	304606	54.499	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	220275	49.489	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	301815	70.155	ug/l #	100
77) Bromobenzene	12.53	156	154331	44.507	ug/l	93
78) n-propylbenzene	12.59	91	794032	49.172	ug/l	99
79) 2-Chlorotoluene	12.67	91	462105	47.472	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	573702	49.474	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	80009	48.807	ug/l	92
82) 4-Chlorotoluene	12.77	91	481262	47.919	ug/l	99
83) tert-Butylbenzene	12.99	119	480360	47.714	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	570183	50.313	ug/l	99
85) sec-Butylbenzene	13.17	105	656916	49.233	ug/l	99
86) p-Isopropyltoluene	13.29	119	589344	49.289	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	285118	46.636	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	282029	45.741	ug/l	99
89) n-Butylbenzene	13.62	91	523901	48.905	ug/l	98
90) Hexachloroethane	13.88	117	113471	49.204	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	277690	47.380	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48458	52.799	ug/l	90

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Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
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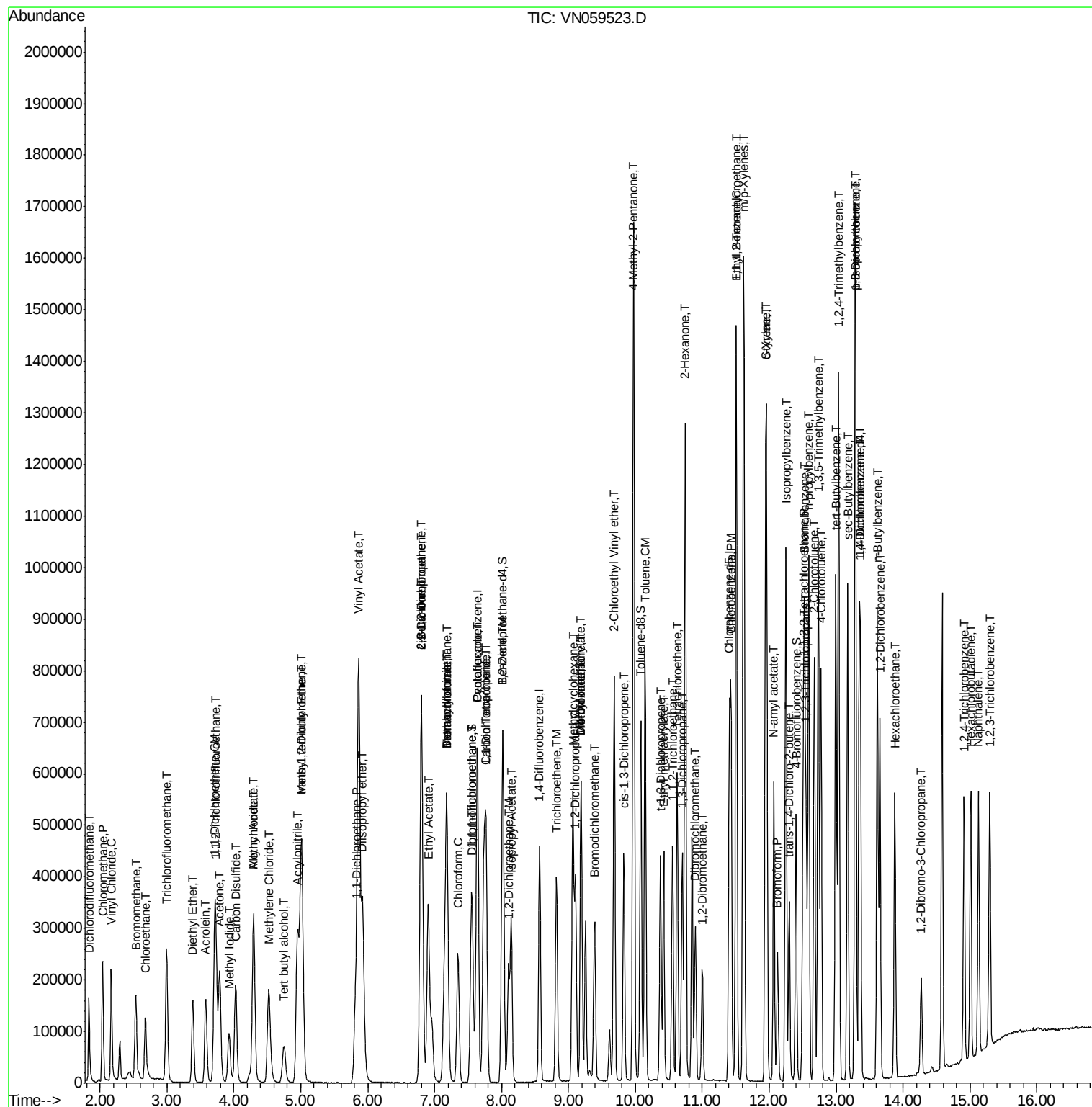
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152119	42.516	ug/l	98
94) Hexachlorobutadiene	15.01	225	94482	46.589	ug/l	100
95) Naphthalene	15.13	128	396842	40.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	148636	41.693	ug/l	99

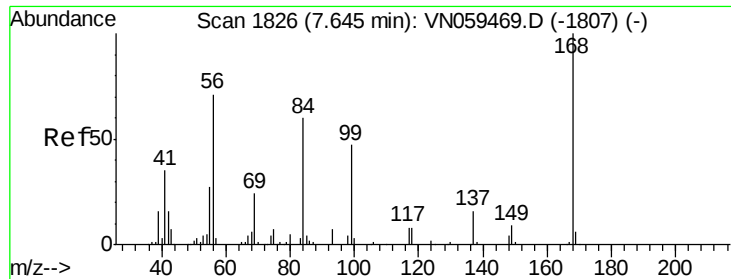
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120619\
Data File : VN059523.D
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MSVOA_N
ClientSampled :

Quant Time: Dec 06 22:22:36 2019
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Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

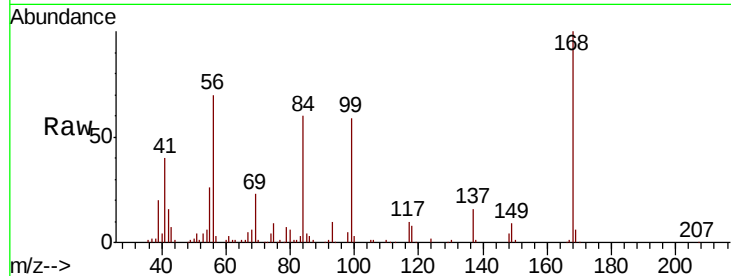
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 238935

Ion Ratio Lower Upper

168 100

99 58.7 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

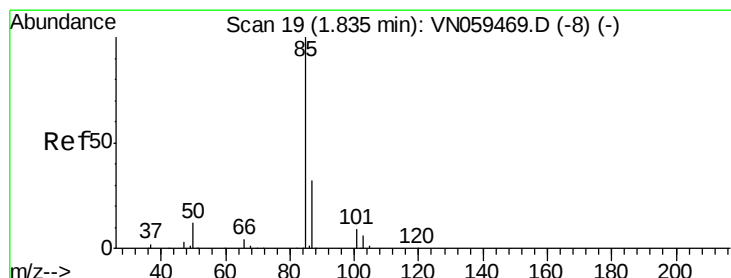
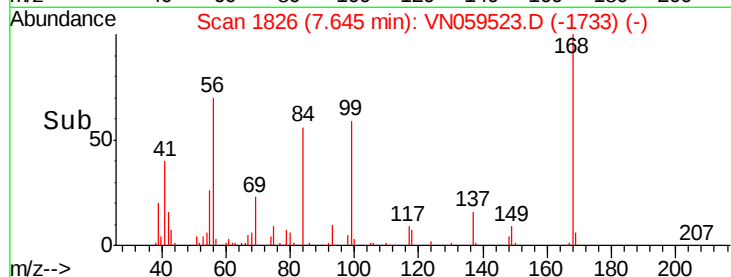
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.484 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059523.D

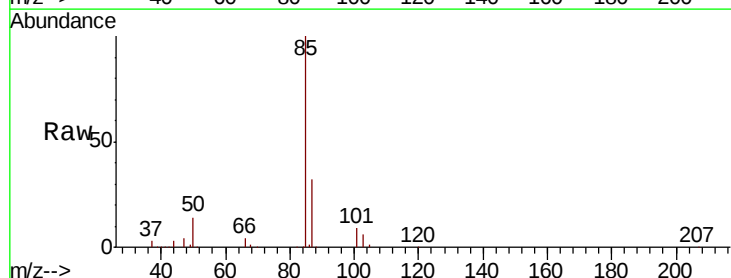
Acq: 6 Dec 2019 18:11

Tgt Ion: 85 Resp: 131572

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

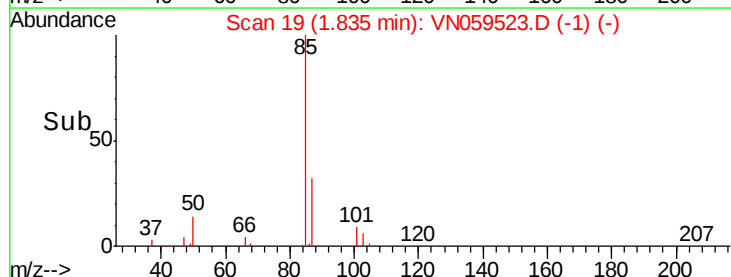
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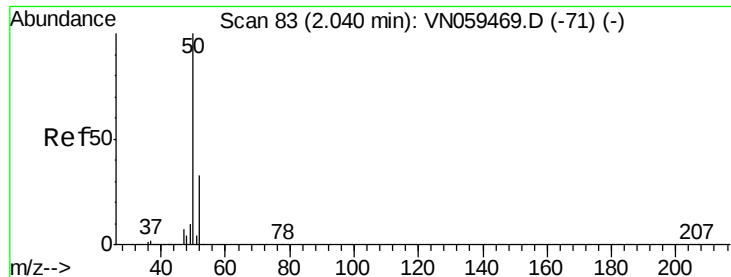
40000

20000

0

Time-->





#3

Chloromethane

Concen: 58.708 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

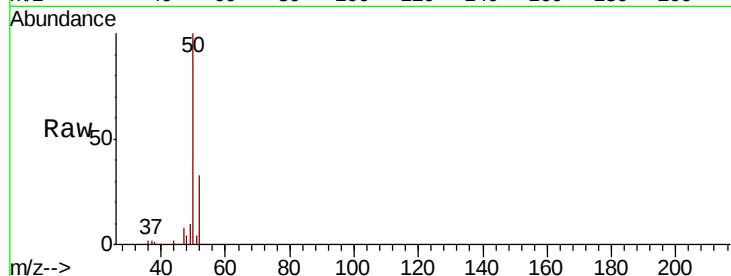
ClientSampleId :

Tot Ion: 50 Resp: 209214

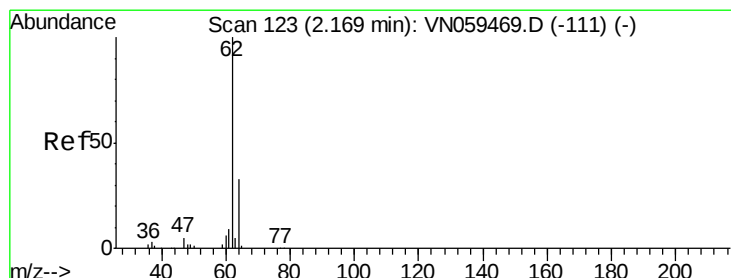
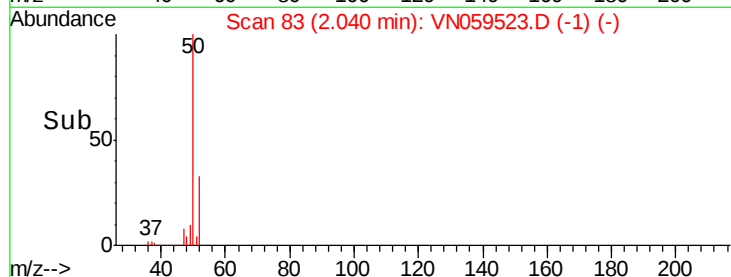
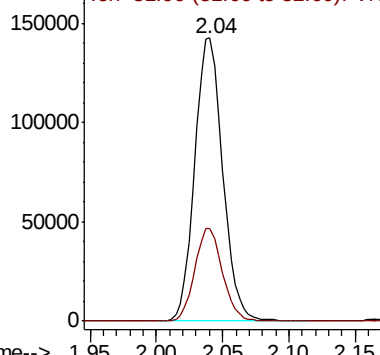
Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 94.907 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059523.D

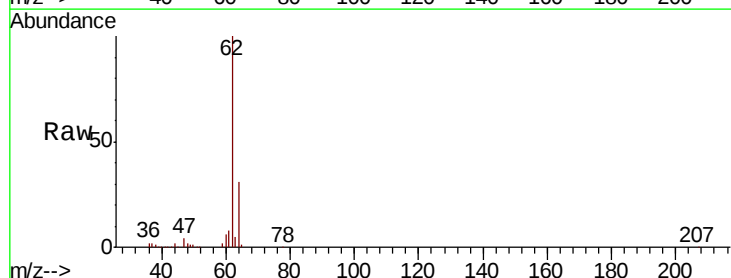
Acq: 6 Dec 2019 18:11

Tgt Ion: 62 Resp: 202954

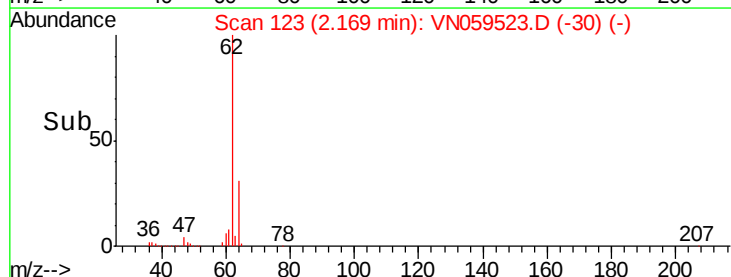
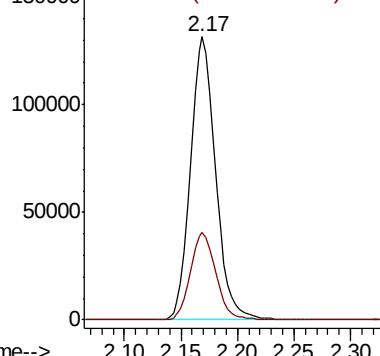
Ion Ratio Lower Upper

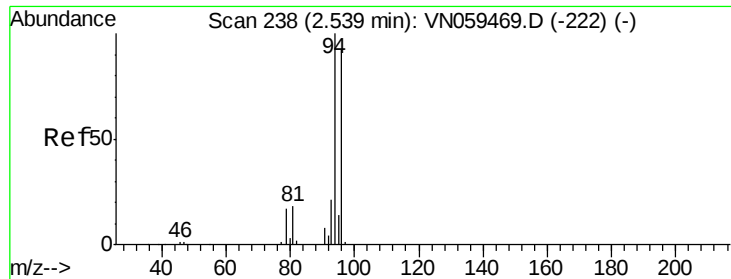
62 100

64 30.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 93.938 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

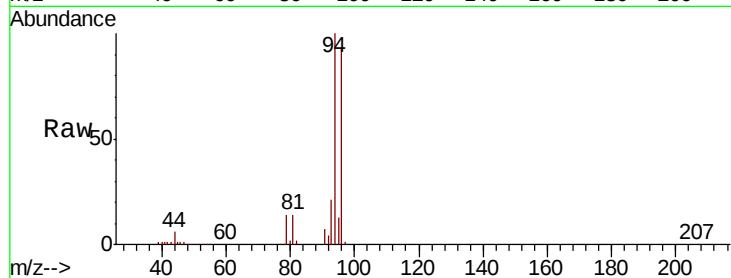
ClientSampleId :

Tot Ion: 94 Resp: 122077

Ion Ratio Lower Upper

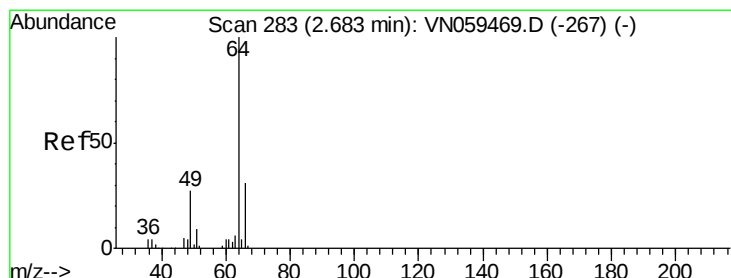
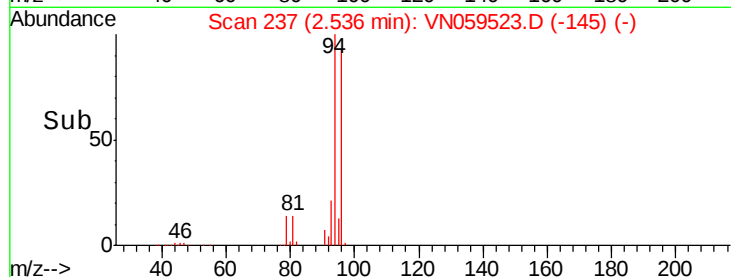
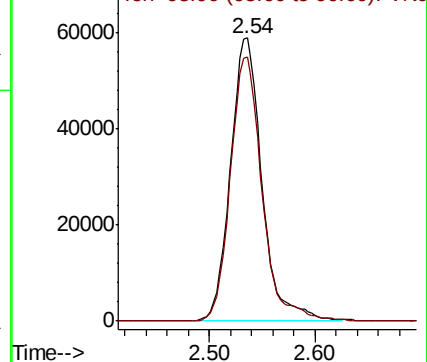
94 100

96 93.1 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 100.400 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN059523.D

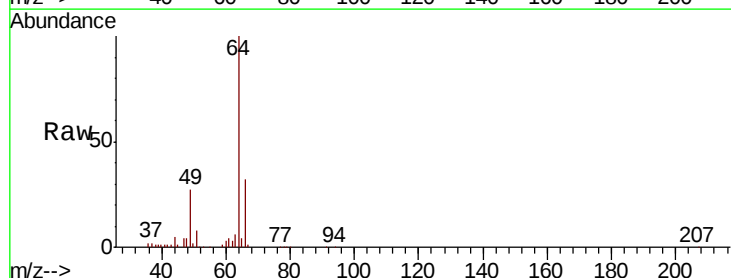
Acq: 6 Dec 2019 18:11

Tgt Ion: 64 Resp: 126756

Ion Ratio Lower Upper

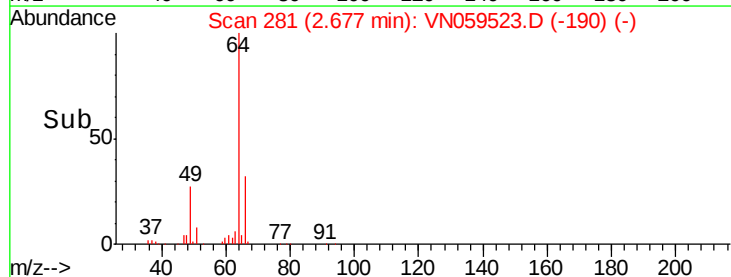
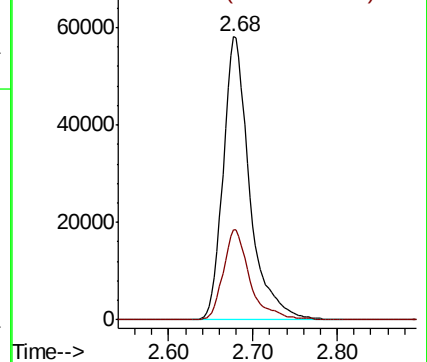
64 100

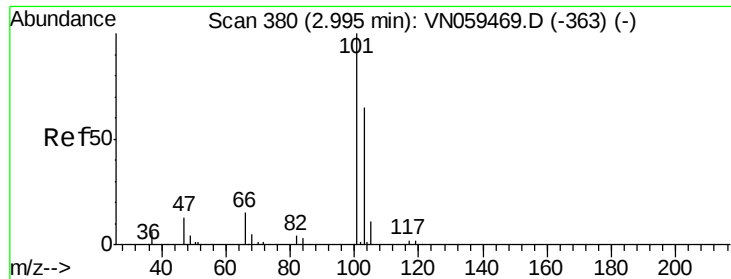
66 31.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



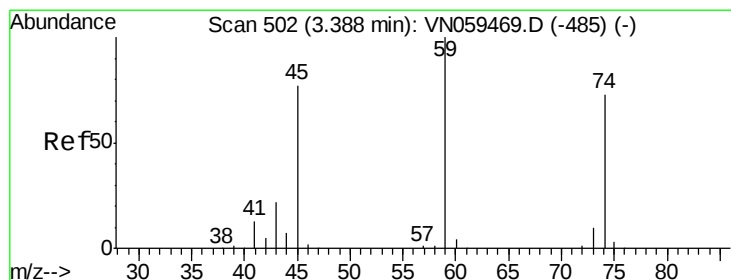
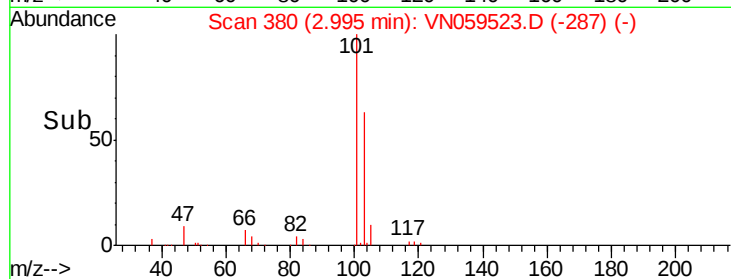
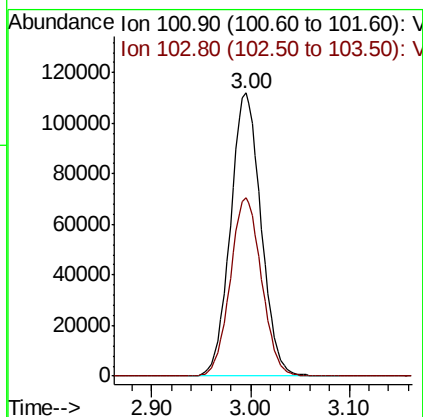
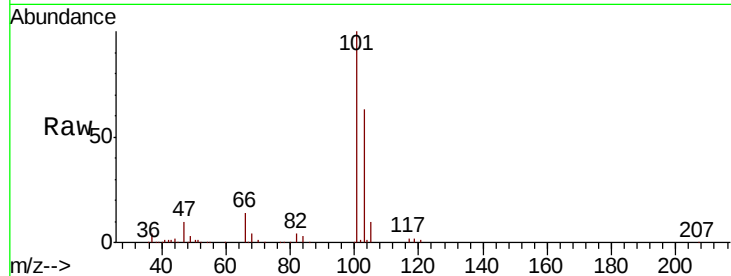


#7

Trichlorofluoromethane
 Concen: 93.736 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Instrument :
 MSVOA_N
 ClientSampled :

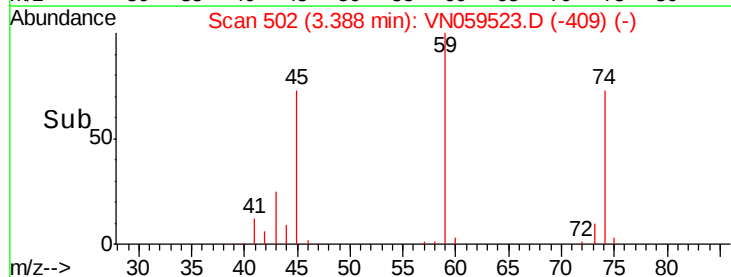
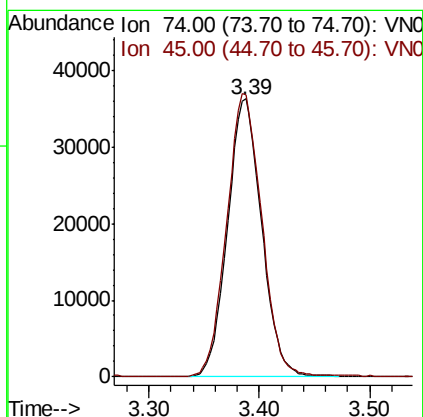
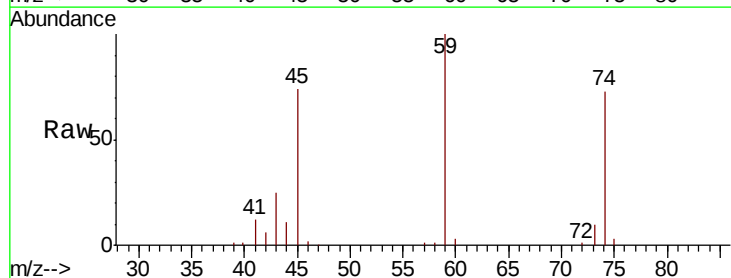
Tot Ion:101 Resp: 242084
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.4 78.6

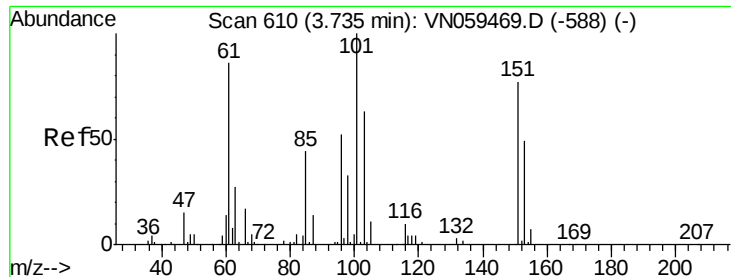


#8

Diethyl Ether
 Concen: 46.190 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Tgt Ion: 74 Resp: 77724
 Ion Ratio Lower Upper
 74 100
 45 104.5 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.762 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

ClientSampled :

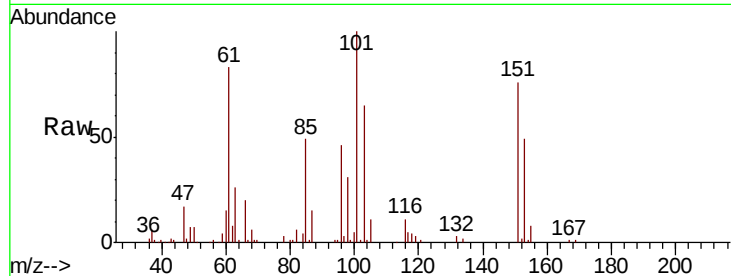
Tot Ion:101 Resp: 121088

Ion Ratio Lower Upper

101 100

85 45.9 35.2 52.8

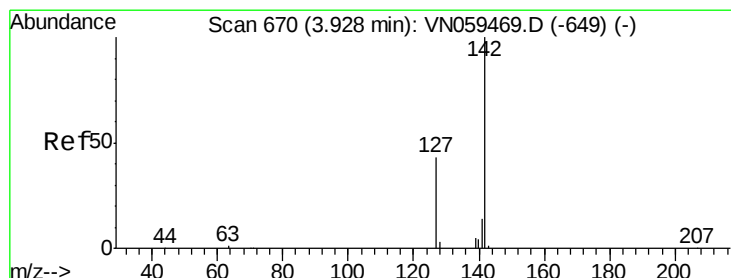
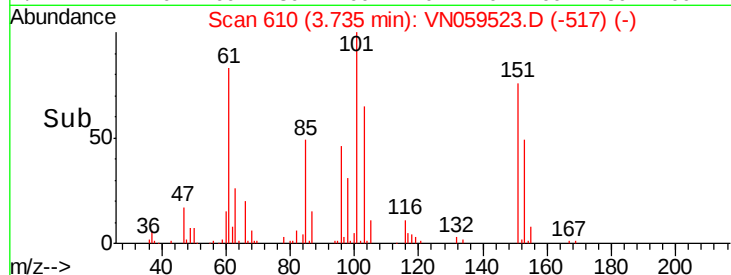
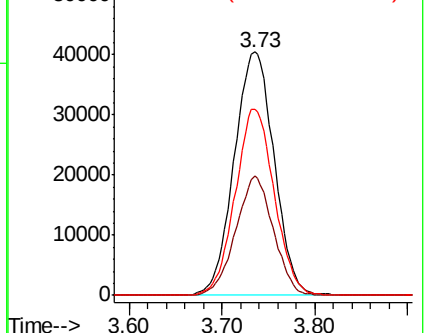
151 74.9 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.208 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

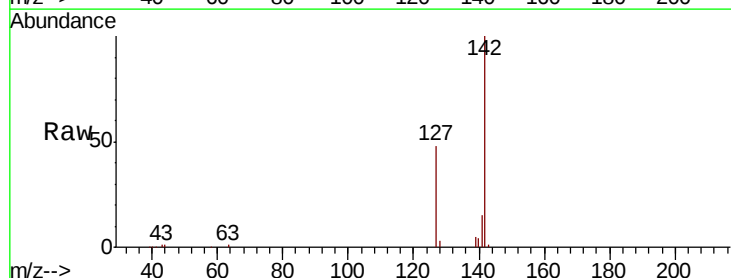
Tgt Ion:142 Resp: 157966

Ion Ratio Lower Upper

142 100

127 47.8 34.6 52.0

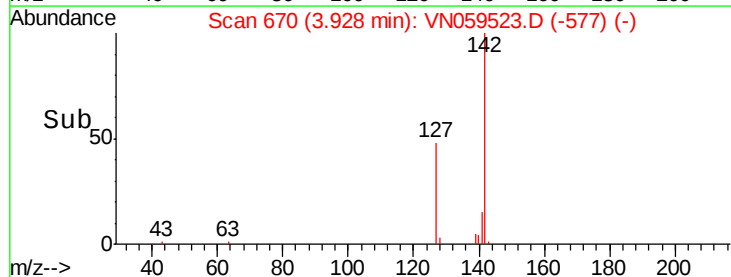
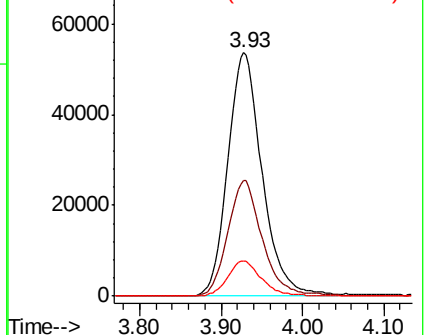
141 14.2 11.4 17.0

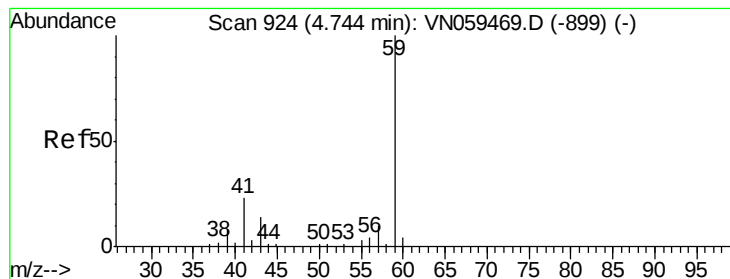


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



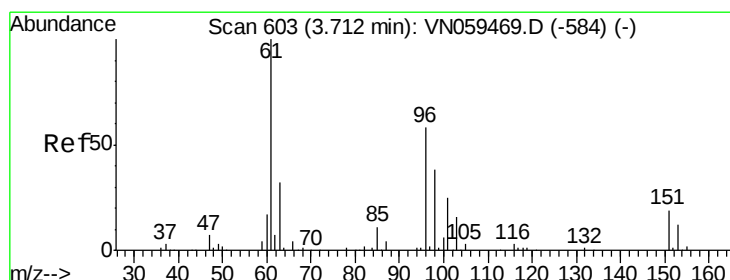
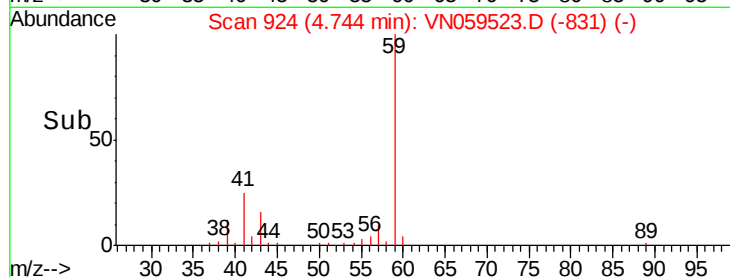
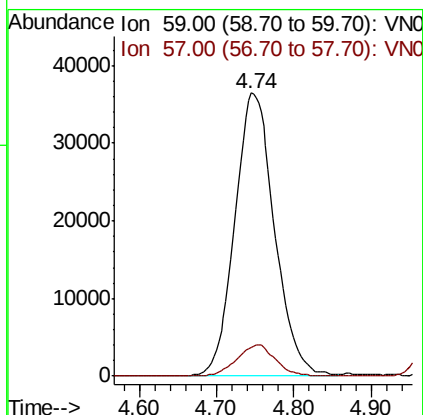
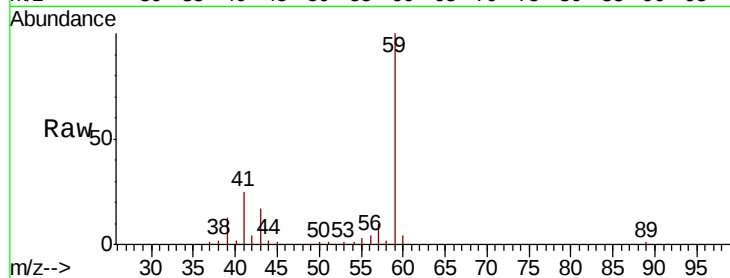


#11

Tert butyl alcohol
Concen: 232.951 ug/l
RT: 4.74 min Scan# 924
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :

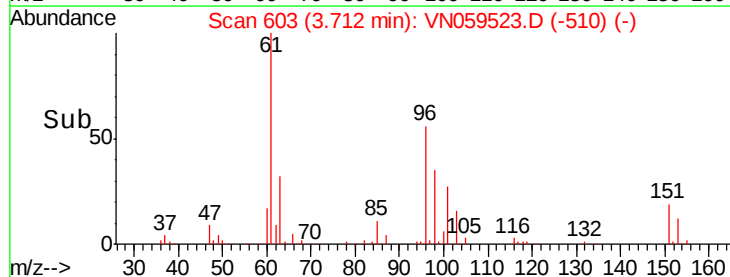
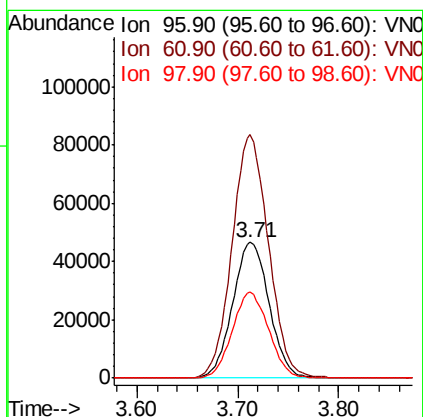
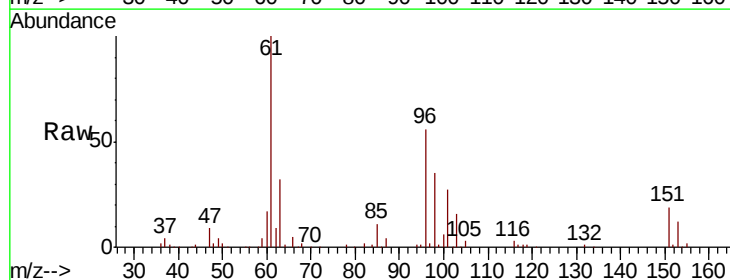
Tot Ion: 59 Resp: 130295
Ion Ratio Lower Upper
59 100
57 10.7 8.1 12.1

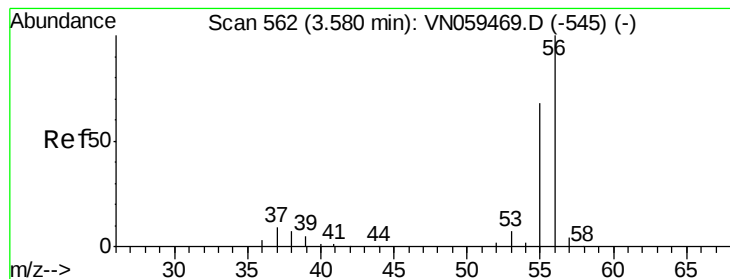


#12

1,1-Dichloroethene
Concen: 47.194 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 96 Resp: 116959
Ion Ratio Lower Upper
96 100
61 179.6 137.1 205.7
98 63.6 52.4 78.6





#13

Acrolein

Concen: 359.242 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

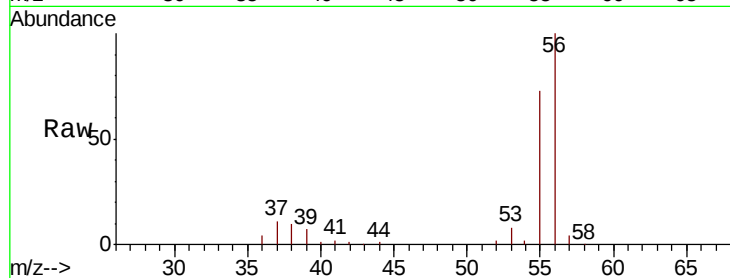
ClientSampleId :

Tot Ion: 56 Resp: 174384

Ion Ratio Lower Upper

56 100

55 72.9 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

80000

60000

40000

20000

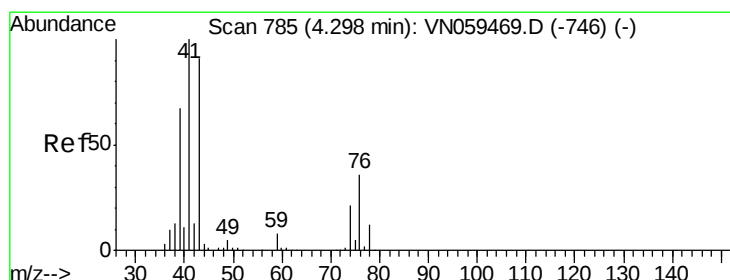
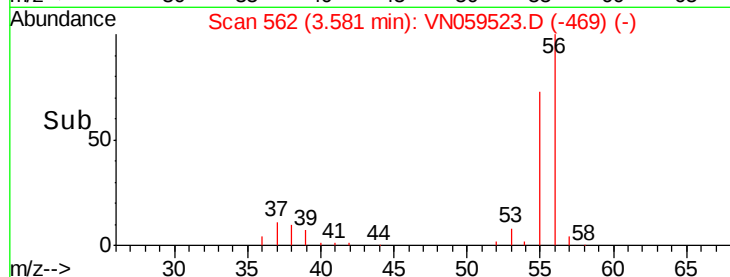
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 47.457 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

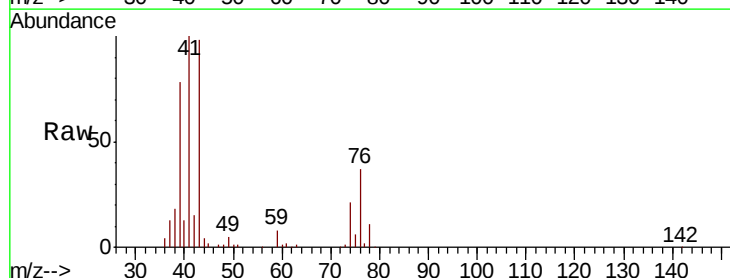
Tgt Ion: 41 Resp: 231646

Ion Ratio Lower Upper

41 100

39 72.8 49.3 73.9

76 31.8 25.6 38.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

100000

80000

60000

40000

20000

0

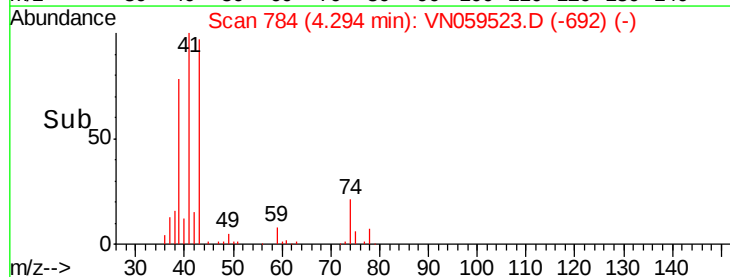
Time-->

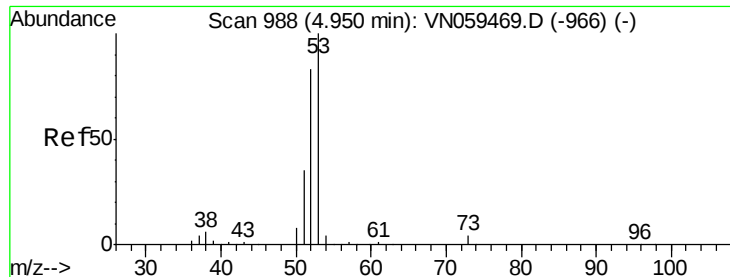
4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 248.670 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

ClientSampled :

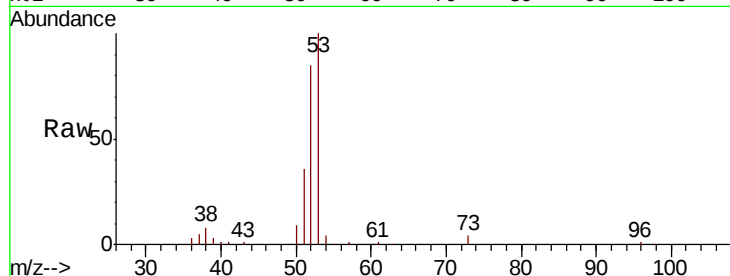
Tot Ion: 53 Resp: 376283

Ion Ratio Lower Upper

53 100

52 83.9 65.5 98.3

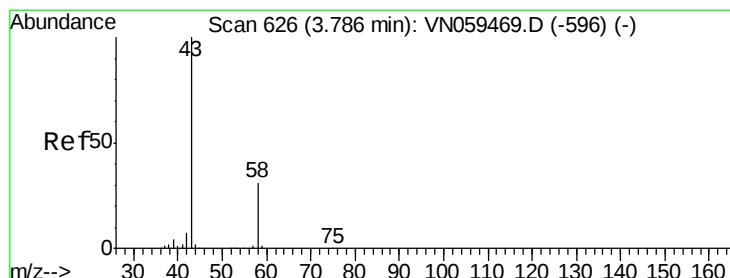
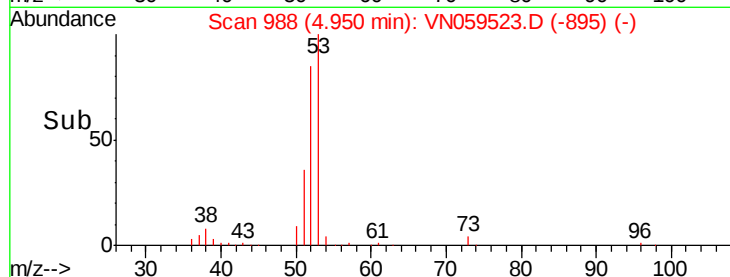
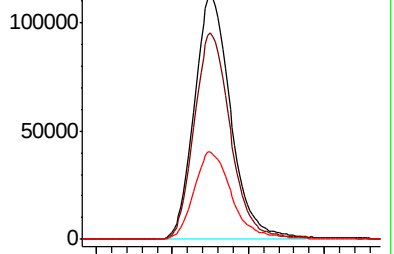
51 37.4 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN059469.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059469.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059469.D (-966) (-)



#16

Acetone

Concen: 210.310 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059523.D

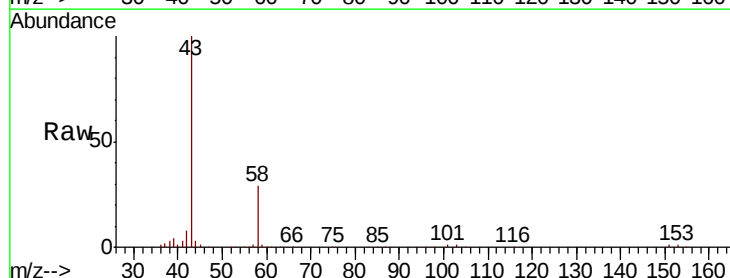
Acq: 6 Dec 2019 18:11

Tgt Ion: 43 Resp: 349971

Ion Ratio Lower Upper

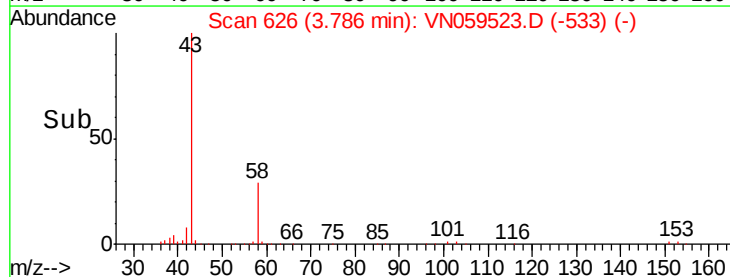
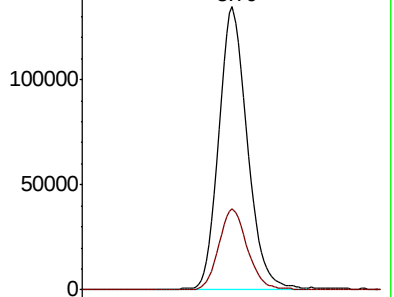
43 100

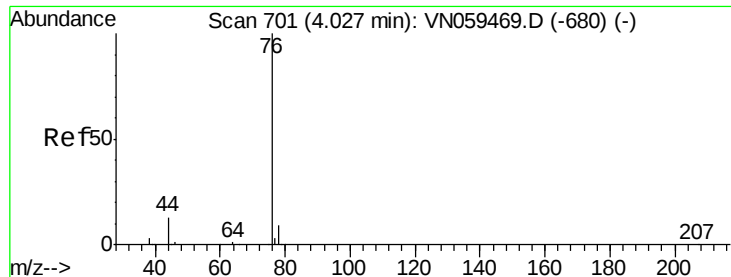
58 28.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-596) (-)

Ion 58.00 (57.70 to 58.70): VN059469.D (-596) (-)

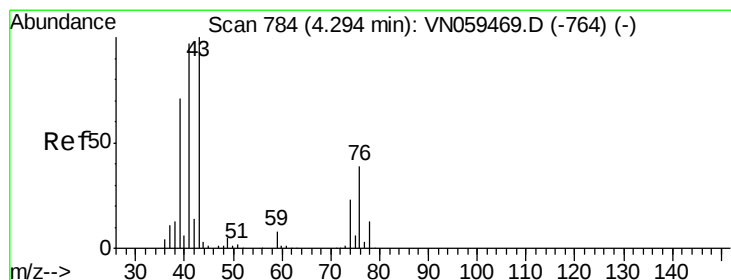
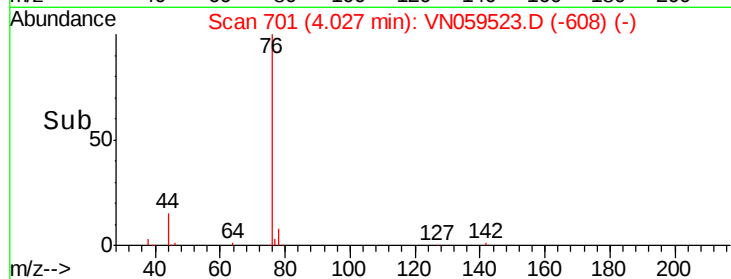
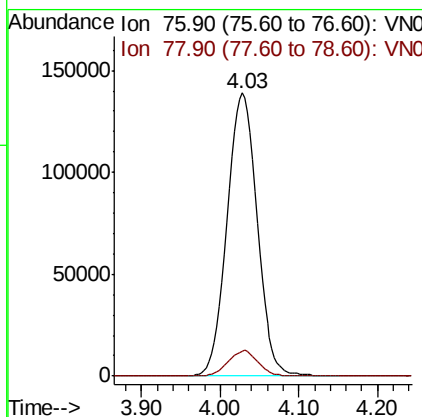
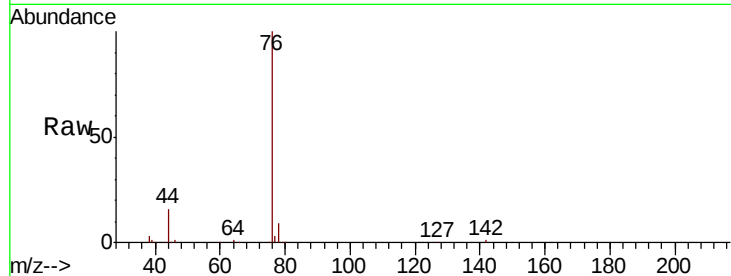




#17
Carbon Disulfide
Concen: 43.638 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

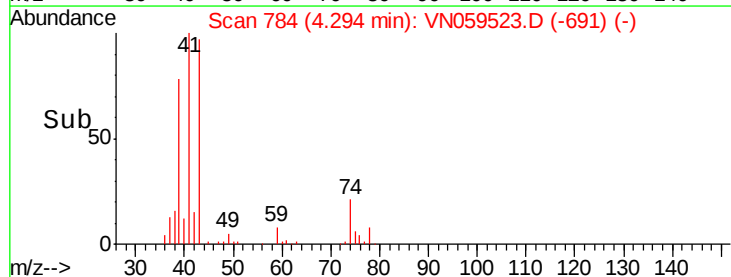
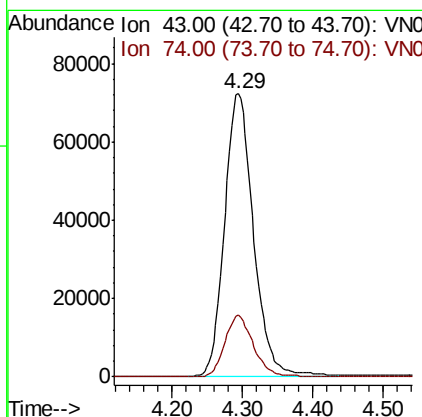
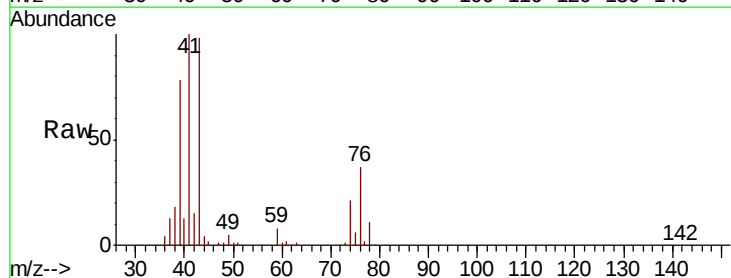
Instrument :
MSVOA_N
ClientSampled :

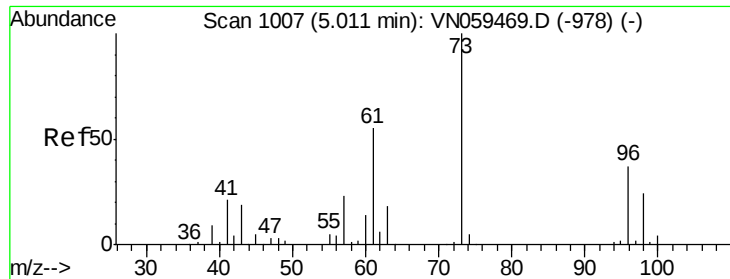
Tot Ion: 76 Resp: 369002
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 51.489 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 43 Resp: 205735
Ion Ratio Lower Upper
43 100
74 21.8 18.3 27.5

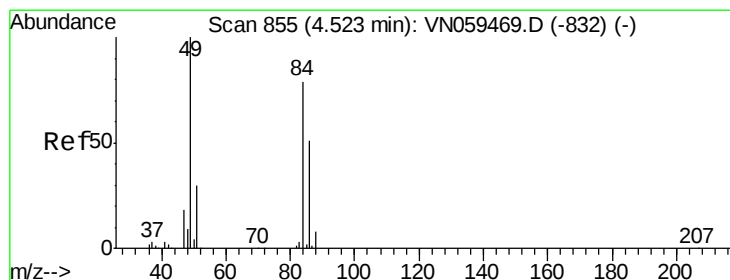
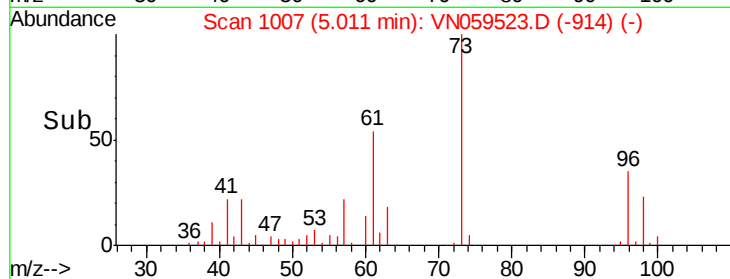
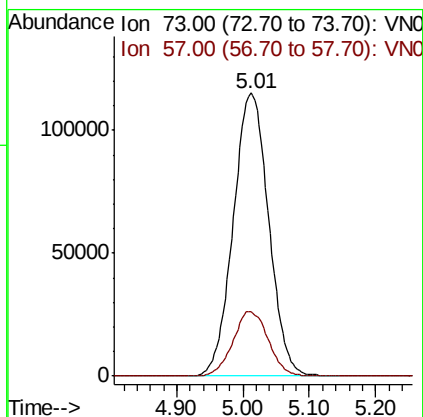
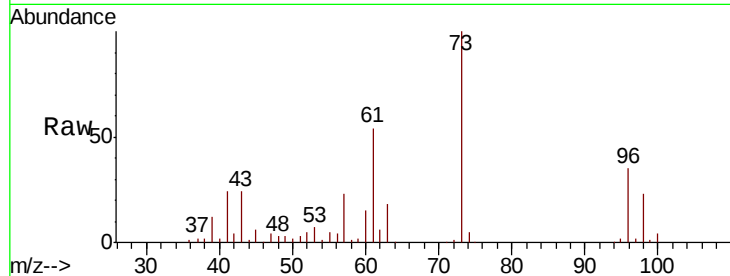




#19
Methvl tert-butvl Ether
Concen: 50.575 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

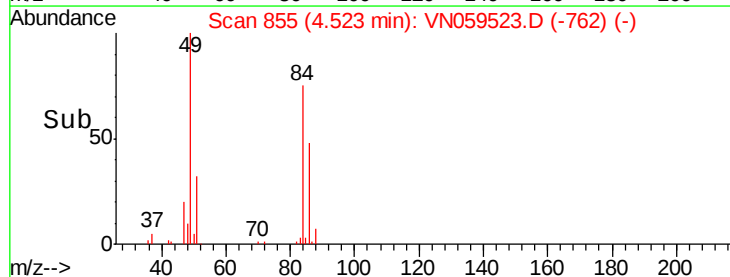
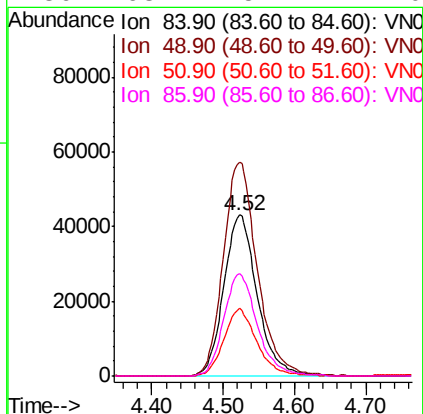
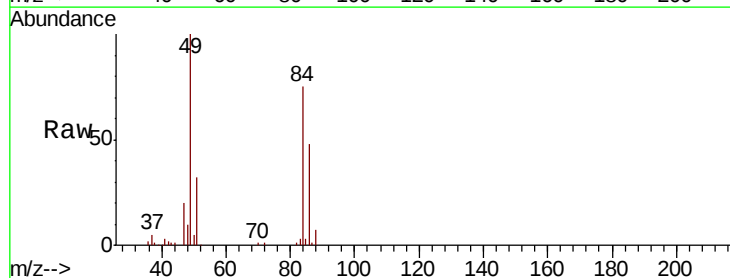
Instrument :
MSVOA_N
ClientSampled :

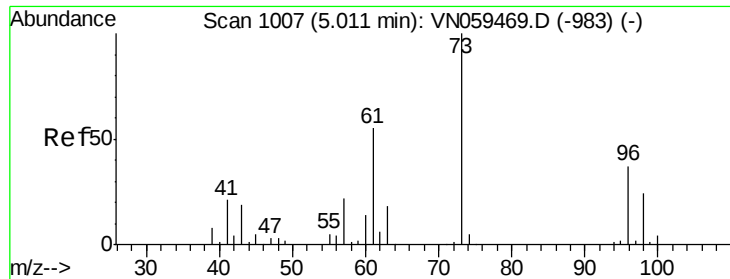
Tot Ion: 73 Resp: 427180
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0



#20
Methylene Chloride
Concen: 50.353 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 84 Resp: 140753
Ion Ratio Lower Upper
84 100
49 132.9 101.1 151.7
51 41.9 30.7 46.1
86 63.4 51.4 77.0

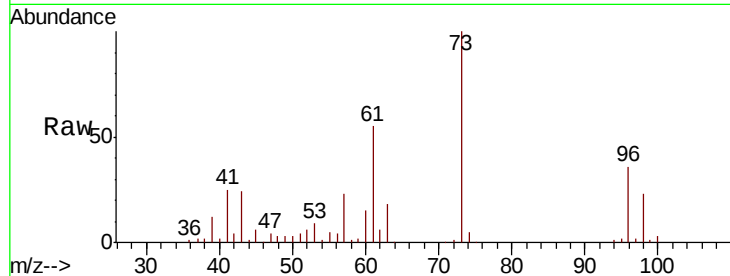




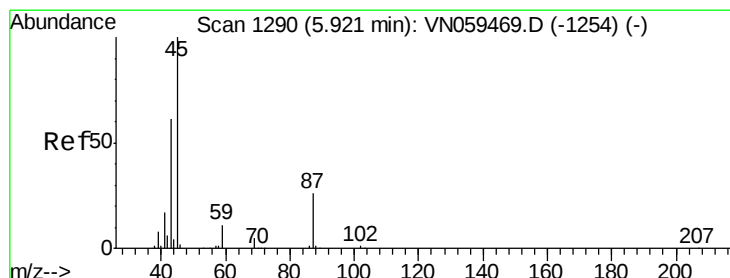
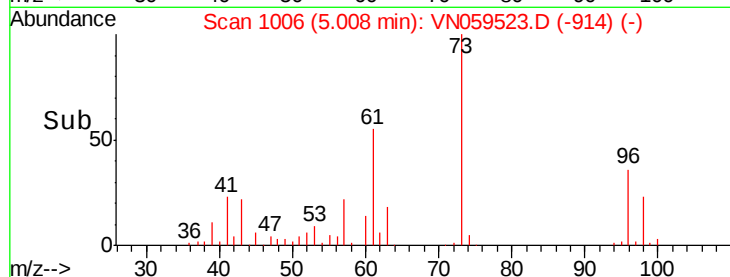
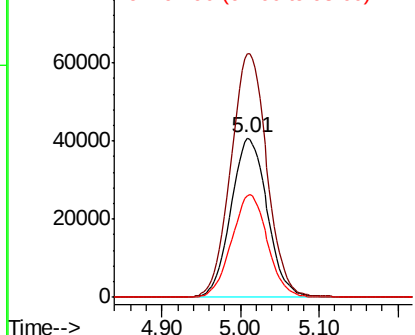
#21
trans-1,2-Dichloroethene
Concen: 47.347 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 131290
Ion Ratio Lower Upper
96 100
61 152.9 118.9 178.3
98 64.2 51.6 77.4

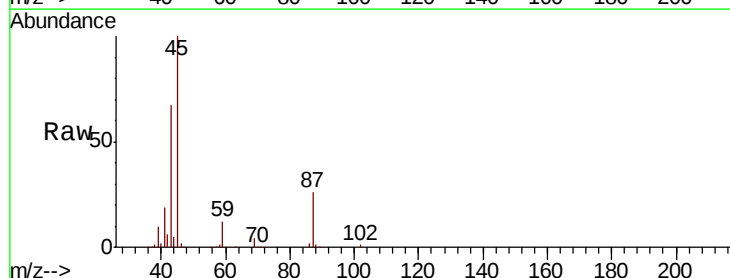


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

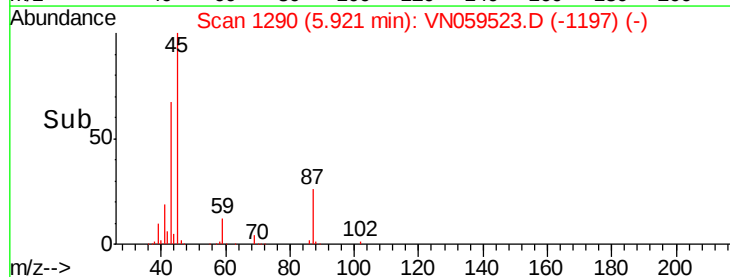
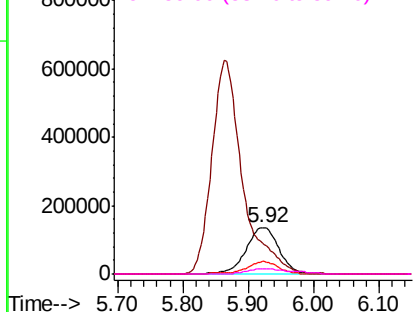


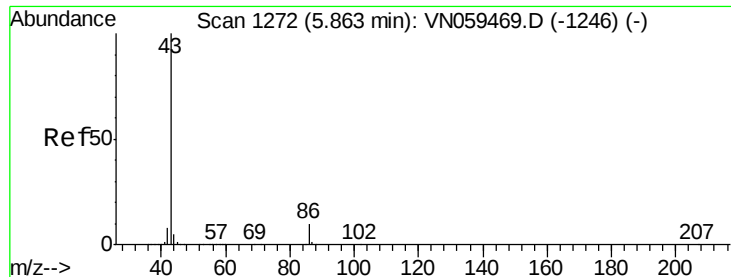
#22
Diisopropyl ether
Concen: 52.256 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 45 Resp: 474754
Ion Ratio Lower Upper
45 100
43 65.9 49.1 73.7
87 26.3 21.6 32.4
59 11.3 9.0 13.4



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





#23

Vinyl Acetate

Concen: 280.171 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

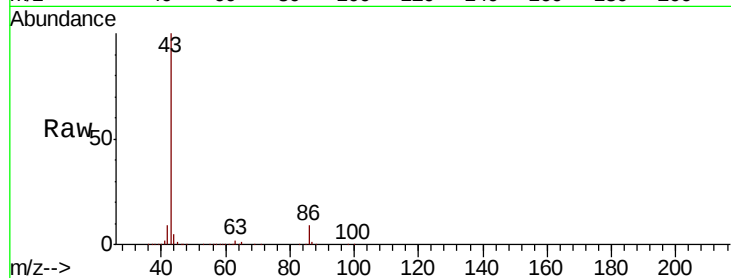
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2042483

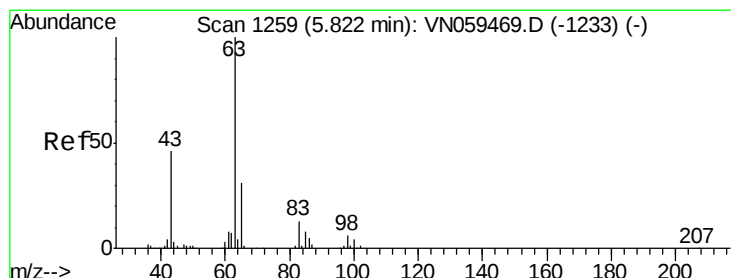
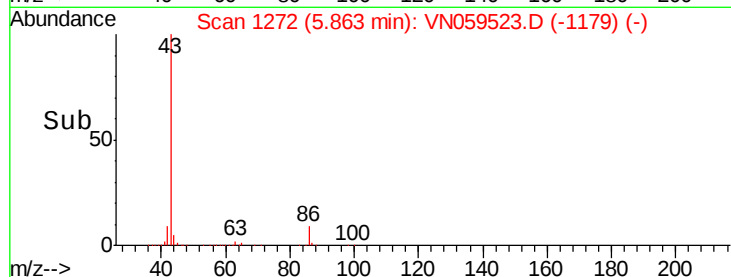
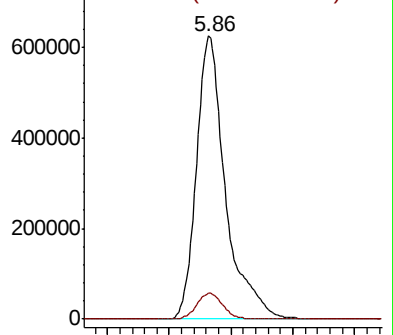
Ion Ratio Lower Upper

43 100

86 9.2 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 50.368 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

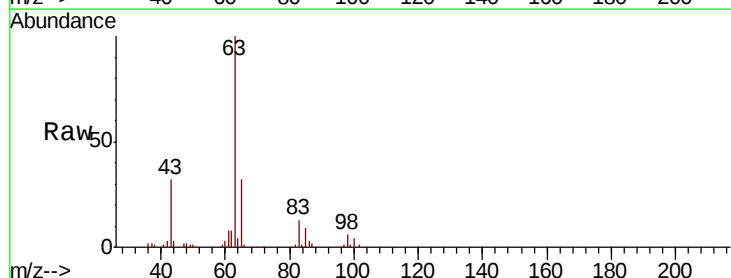
Tgt Ion: 63 Resp: 259955

Ion Ratio Lower Upper

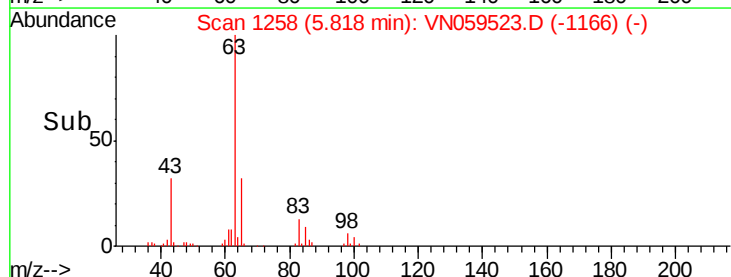
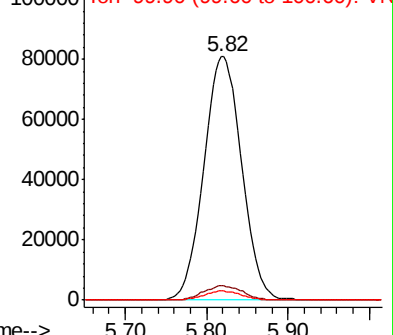
63 100

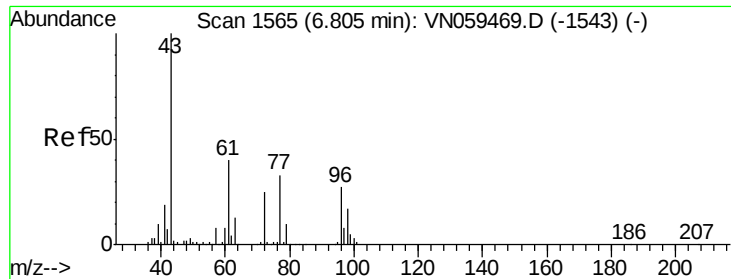
98 6.0 3.2 9.6

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 97.90 (97.60 to 98.60): VNO
Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 237.688 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

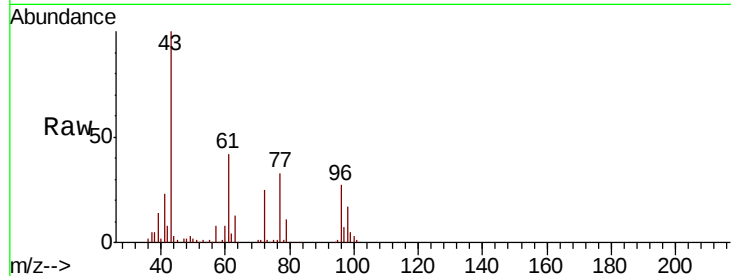
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 536242

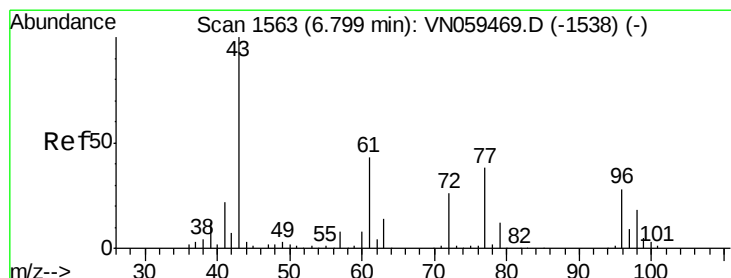
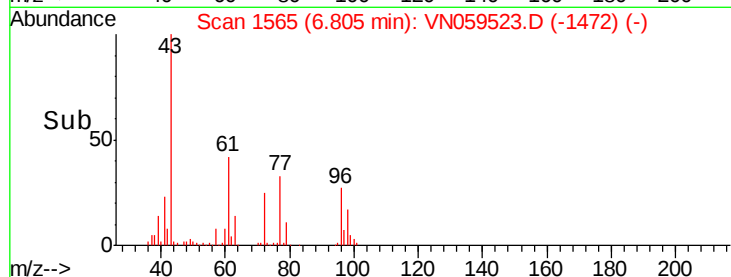
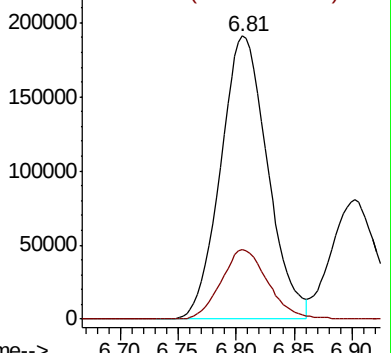
Ion Ratio Lower Upper

43 100

72 24.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.573 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059523.D

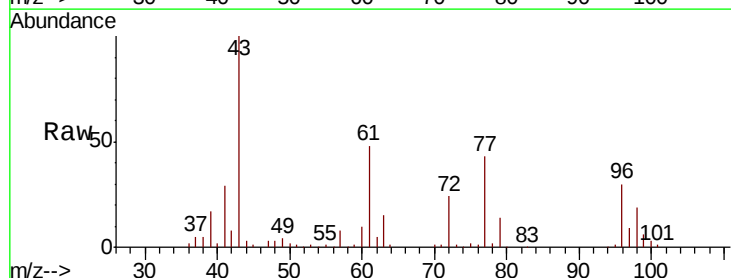
Acq: 6 Dec 2019 18:11

Tgt Ion: 77 Resp: 221288

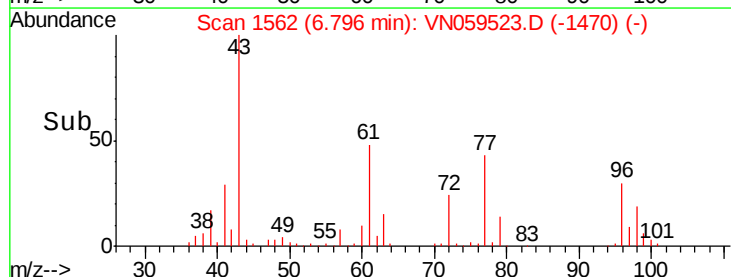
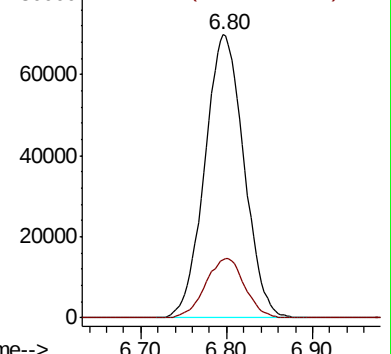
Ion Ratio Lower Upper

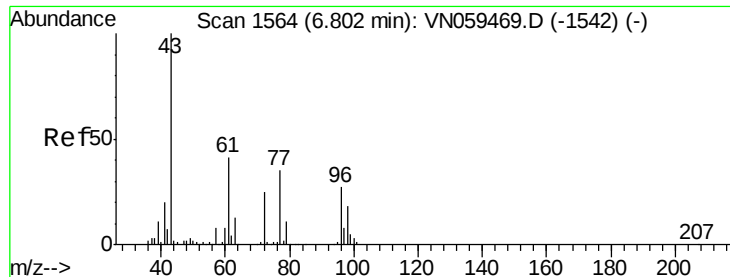
77 100

97 20.9 11.4 34.1



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: 49.085 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :

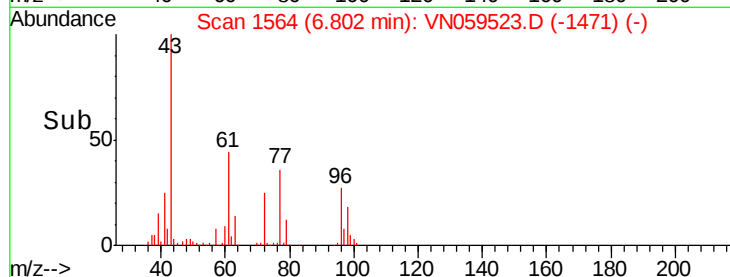
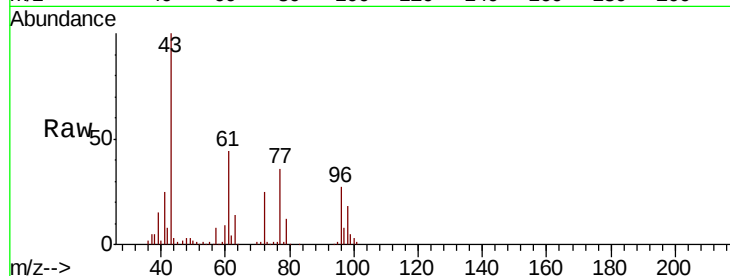
Tot Ion: 96 Resp: 151166

Ion Ratio Lower Upper

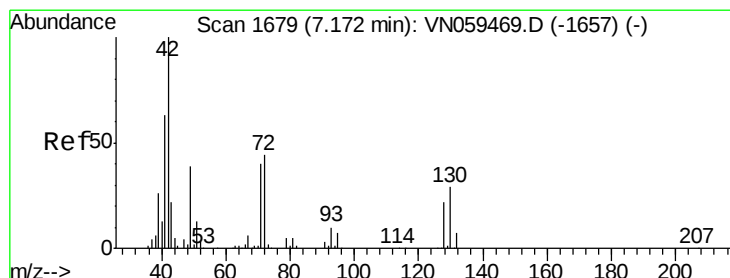
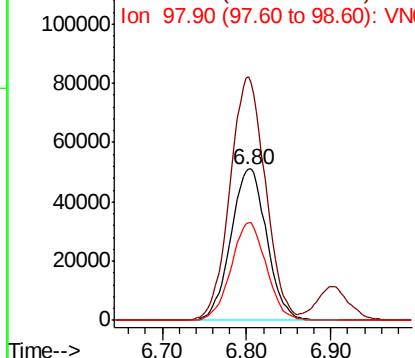
96 100

61 159.0 0.0 307.4

98 63.3 0.0 129.2



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



#28

Bromochloromethane

Concen: 54.706 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

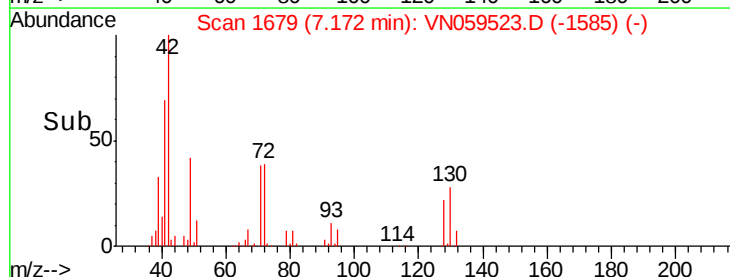
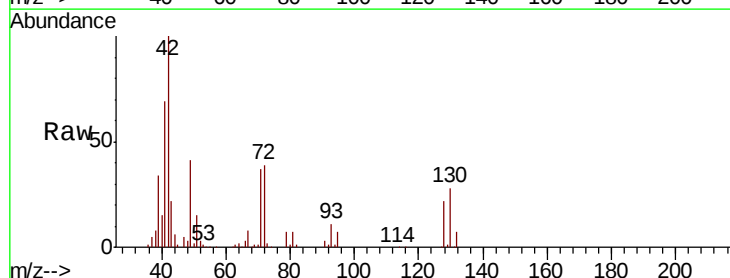
Tgt Ion: 49 Resp: 110035

Ion Ratio Lower Upper

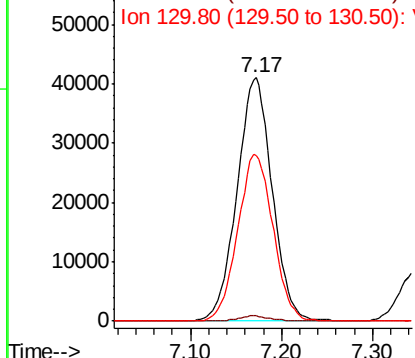
49 100

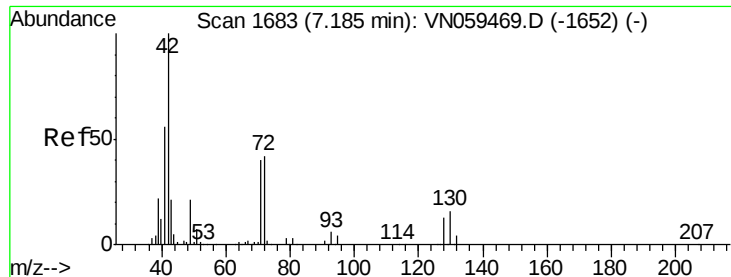
129 1.8 0.0 3.2

130 68.9 58.4 87.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

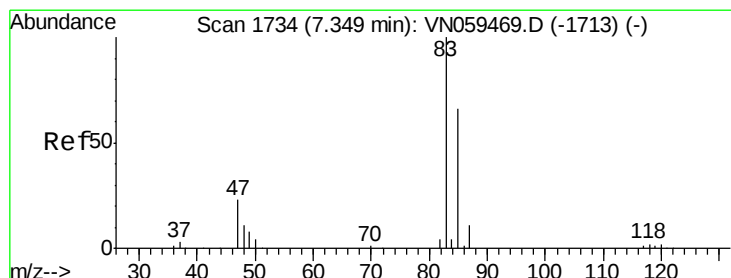
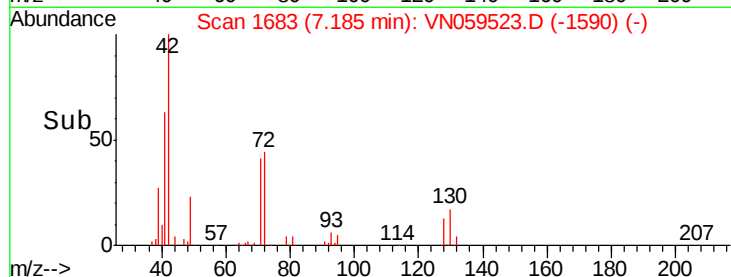
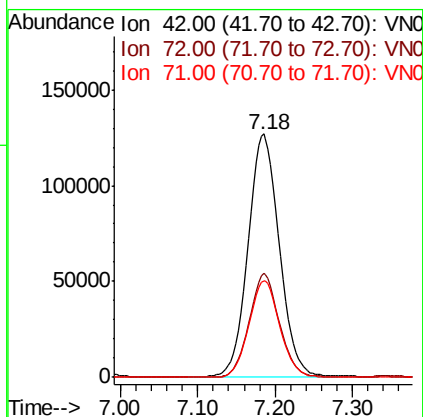
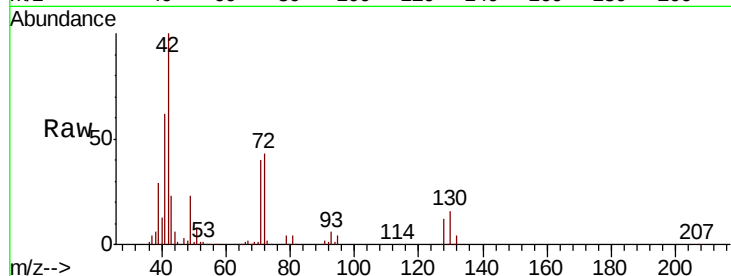




#29
Tetrahydrofuran
Concen: 254.012 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

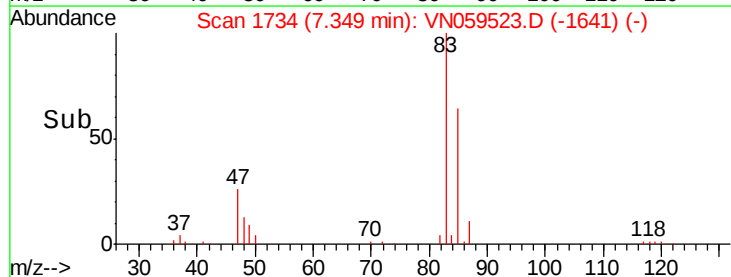
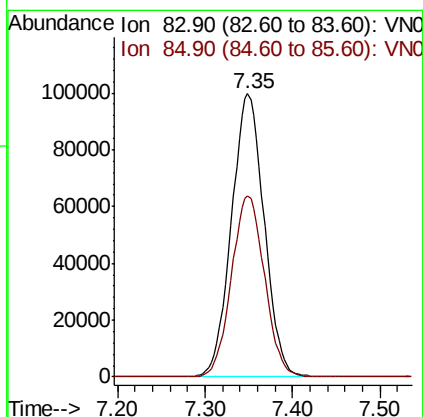
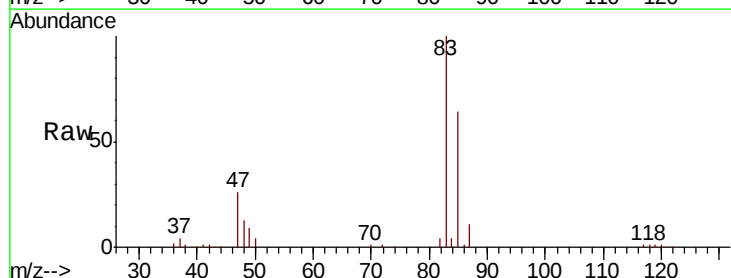
Instrument :
MSVOA_N
ClientSampled :

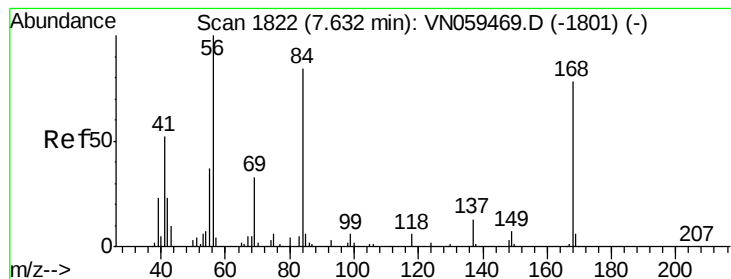
Tot Ion: 42 Resp: 360342
Ion Ratio Lower Upper
42 100
72 41.1 34.2 51.2
71 38.9 32.0 48.0



#30
Chloroform
Concen: 51.916 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 83 Resp: 258707
Ion Ratio Lower Upper
83 100
85 64.1 52.4 78.6





#31

Cyclohexane

Concen: 47.073 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :
MSVOA_N
ClientSampled :

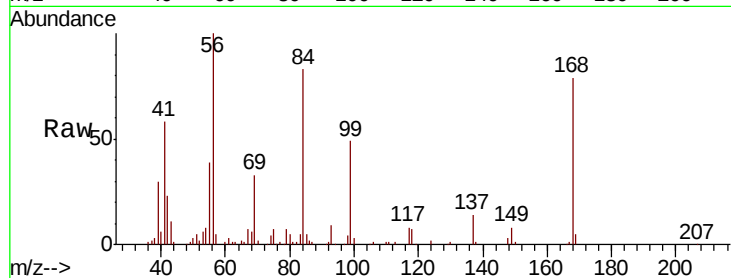
Tot Ion: 56 Resp: 235397

Ion Ratio Lower Upper

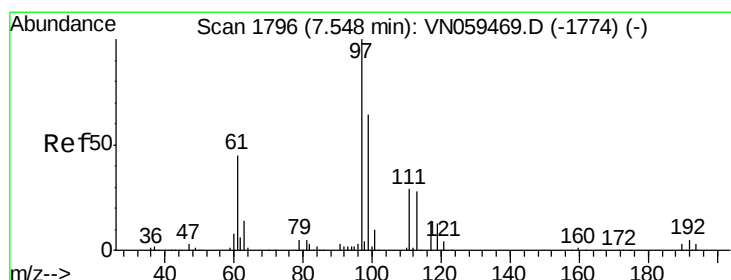
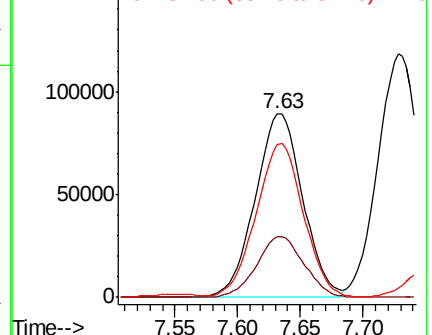
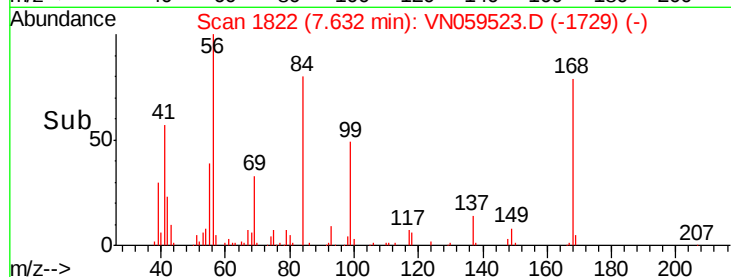
56 100

69 32.9 26.2 39.4

84 82.1 66.8 100.2



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



#32

1,1,1-Trichloroethane

Concen: 52.576 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

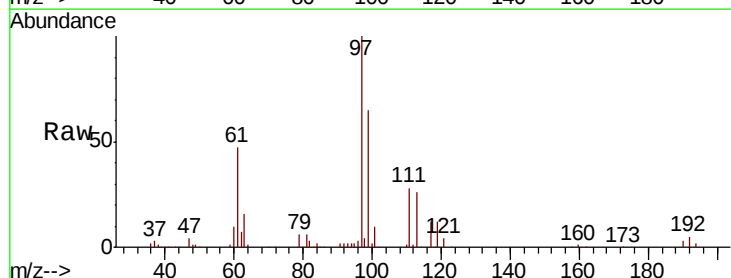
Tgt Ion: 97 Resp: 227714

Ion Ratio Lower Upper

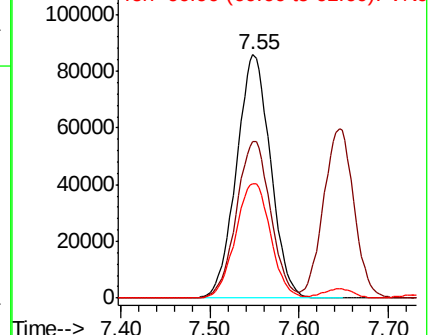
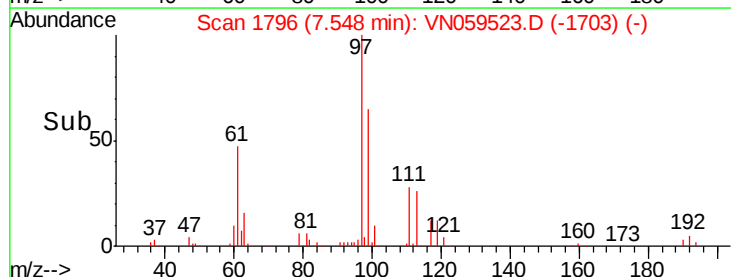
97 100

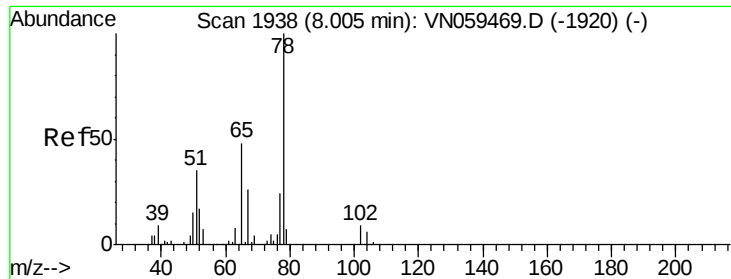
99 64.7 51.7 77.5

61 48.4 35.4 53.0



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

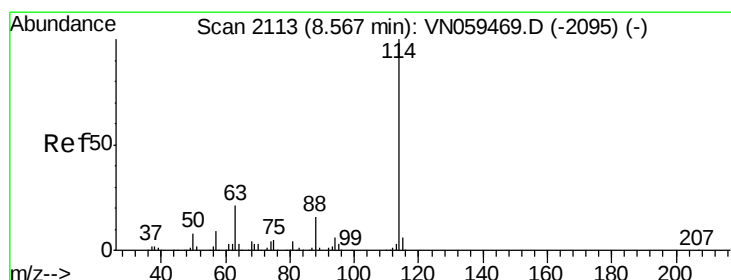
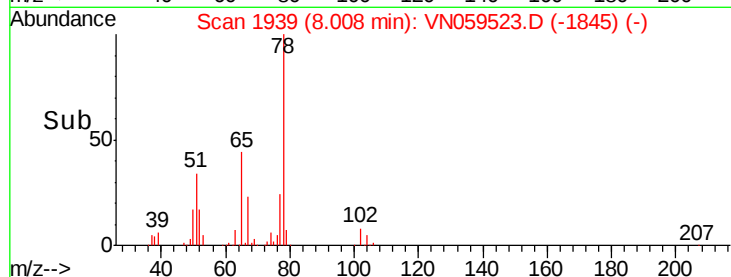
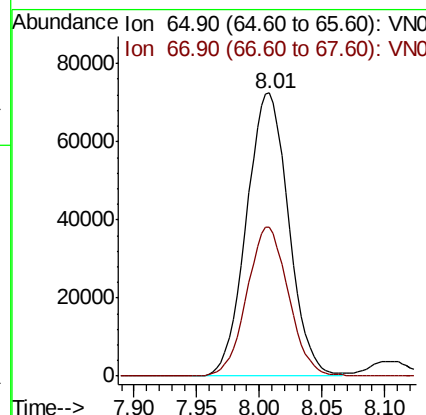
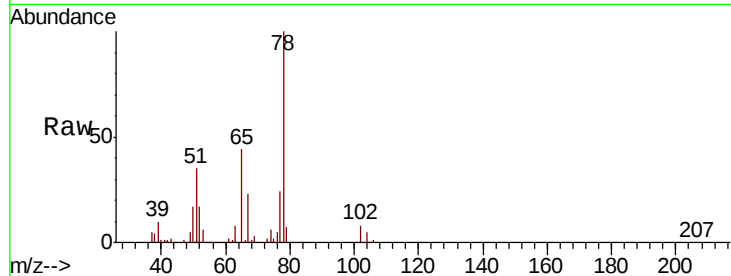




#33
 1,2-Dichloroethane-d4
 Concen: 57.089 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

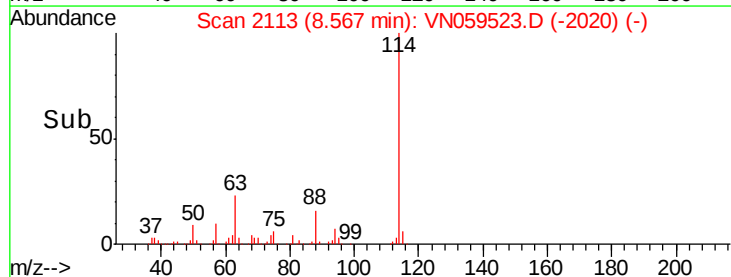
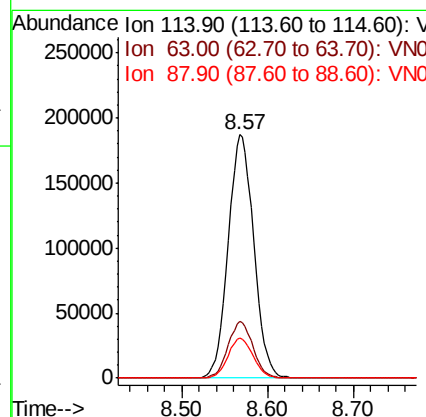
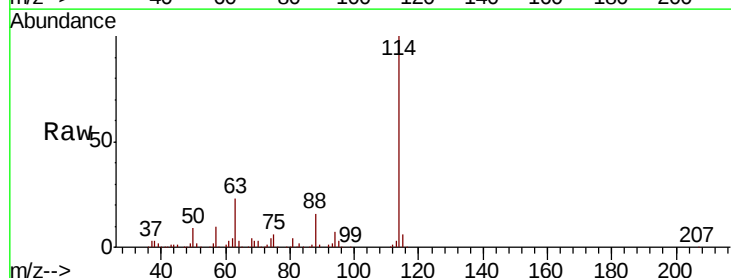
Instrument :
 MSVOA_N
 ClientSampled :

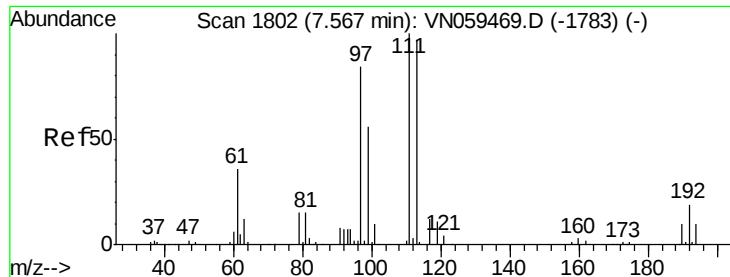
Tot Ion: 65 Resp: 169452
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Tgt Ion: 114 Resp: 385591
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 42.4
 88 16.2 0.0 32.8

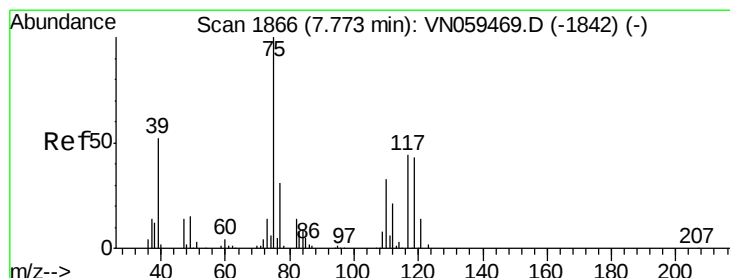
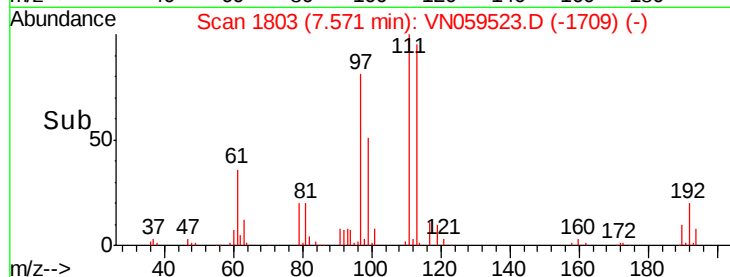
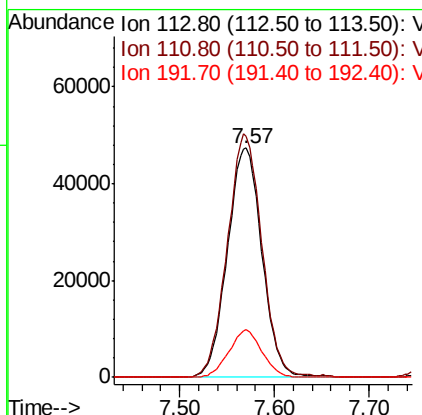
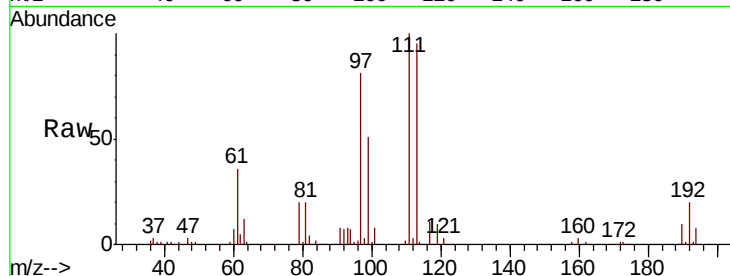




#35
 Dibromofluoromethane
 Concen: 50.155 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

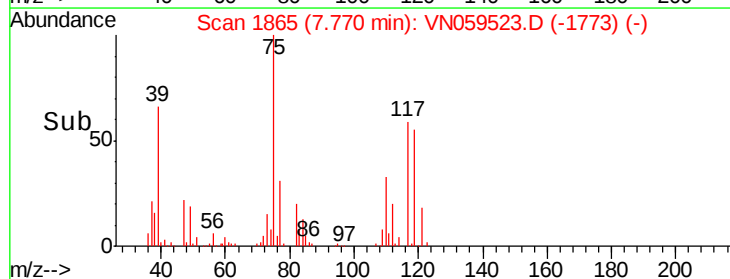
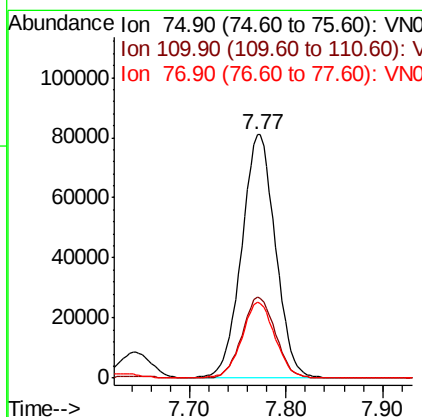
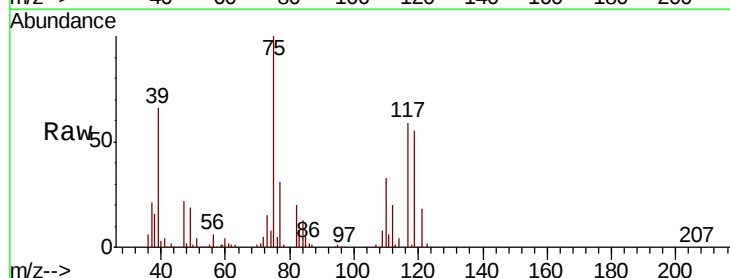
Instrument :
 MSVOA_N
 ClientSampleId :

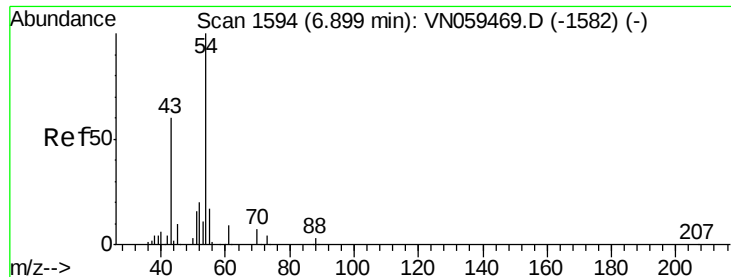
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.5	123.7
192	19.8	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 48.646 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.9	50.7
77	31.1	25.1	37.7

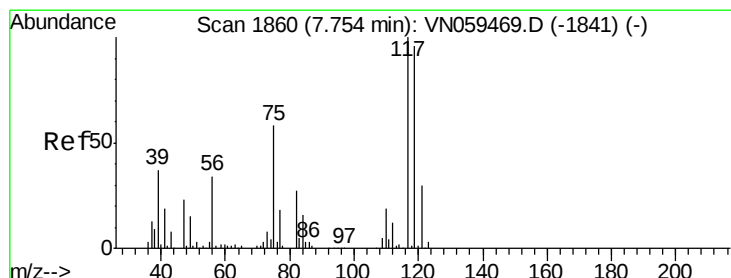
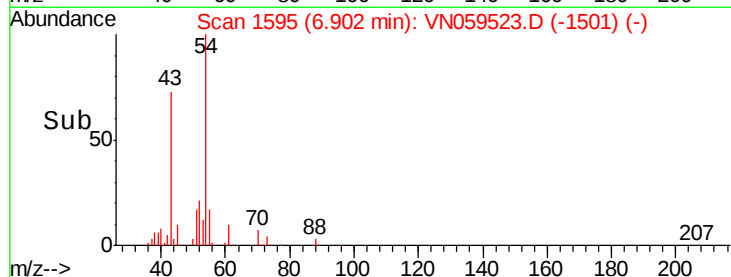
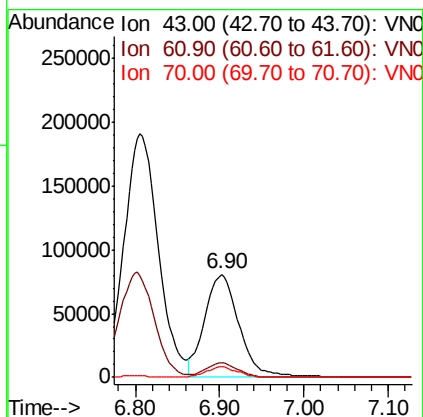
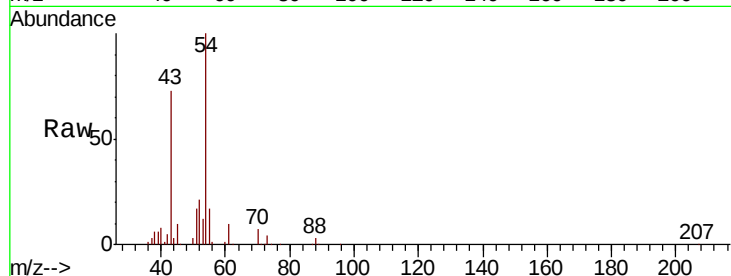




#37
Ethyl Acetate
Concen: 50.550 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

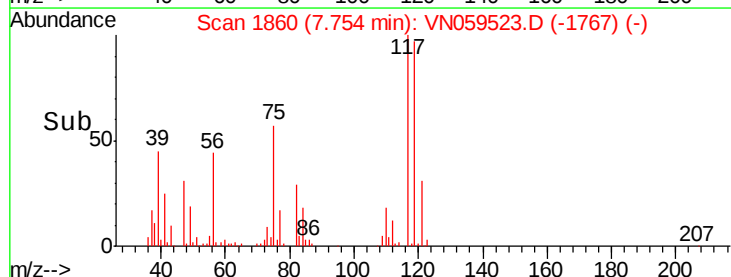
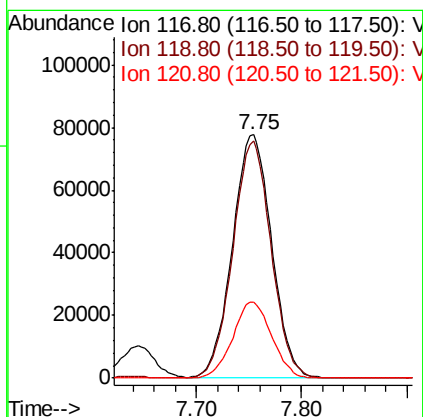
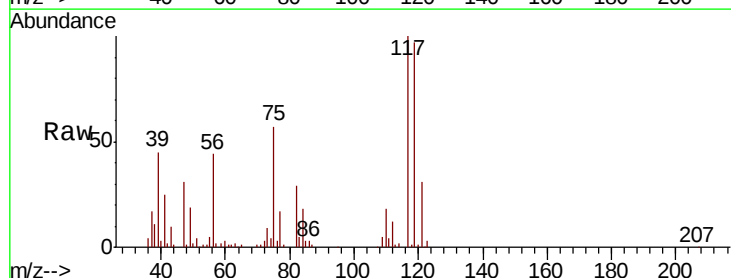
Instrument :
MSVOA_N
ClientSampled :

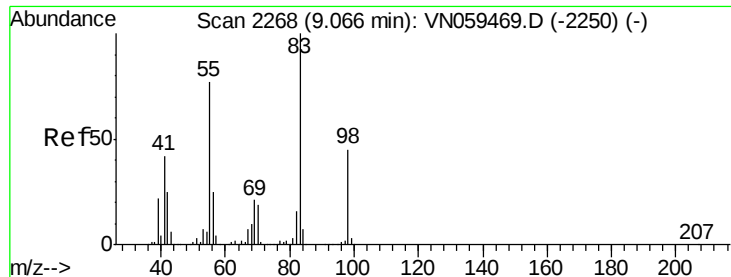
Tot Ion: 43 Resp: 226567
Ion Ratio Lower Upper
43 100
61 13.1 11.3 16.9
70 9.5 8.3 12.5



#38
Carbon Tetrachloride
Concen: 51.984 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 117 Resp: 200620
Ion Ratio Lower Upper
117 100
119 97.2 76.6 114.8
121 31.1 24.0 36.0

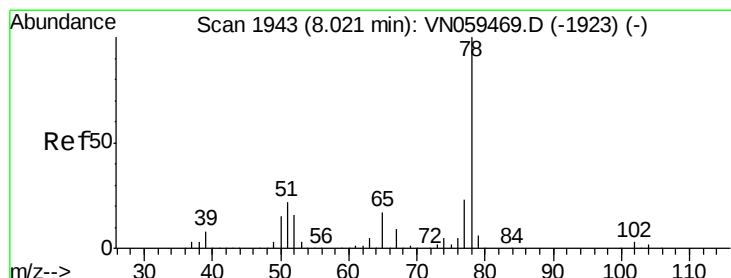
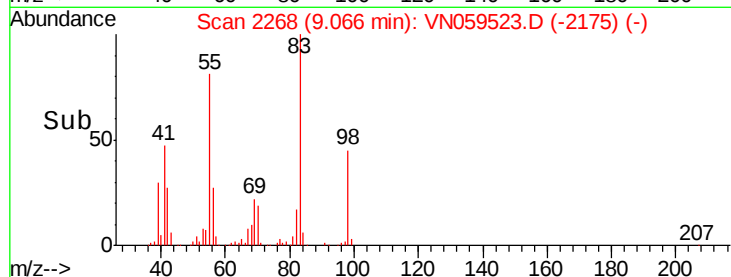
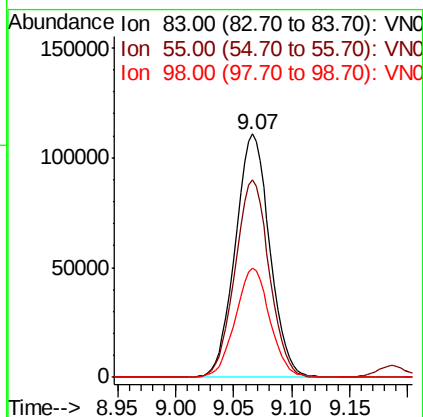
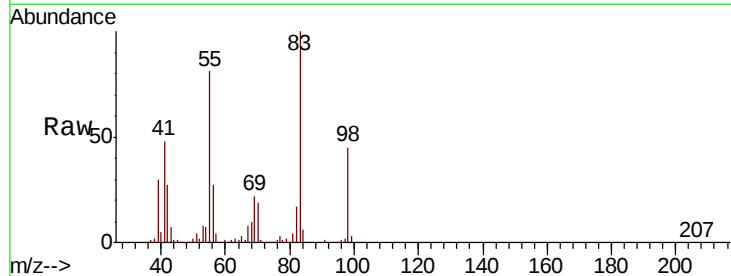




#39
Methvlcvclohexane
Concen: 47.178 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

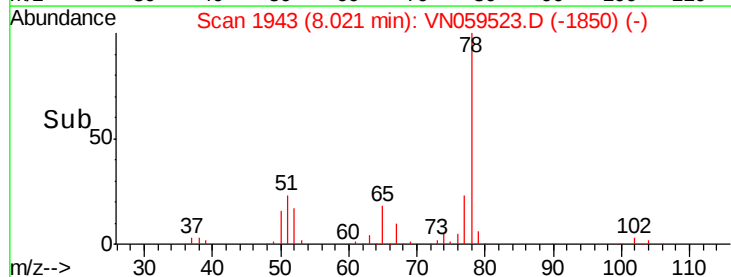
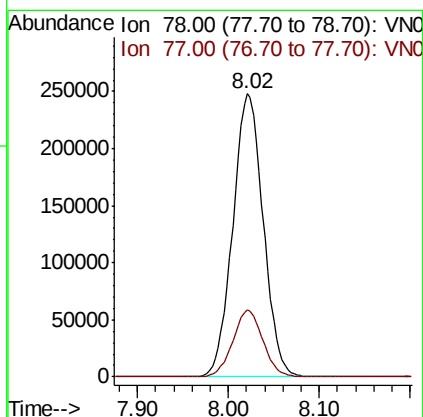
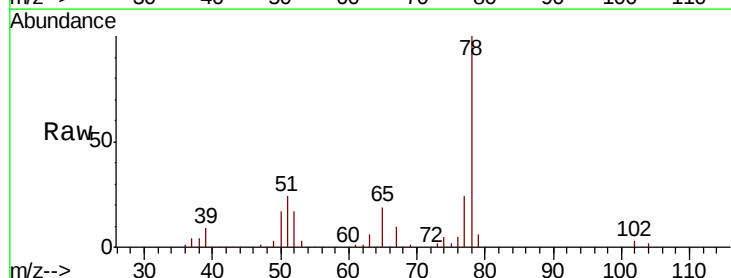
Instrument :
MSVOA_N
ClientSampled :

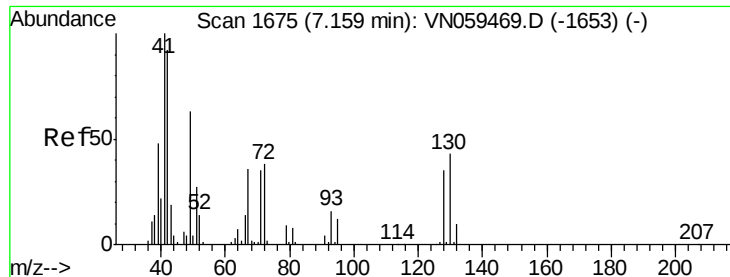
Tot Ion: 83 Resp: 227811
Ion Ratio Lower Upper
83 100
55 81.1 61.8 92.6
98 44.6 36.2 54.2



#40
Benzene
Concen: 49.014 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 78 Resp: 575922
Ion Ratio Lower Upper
78 100
77 23.7 18.2 27.2

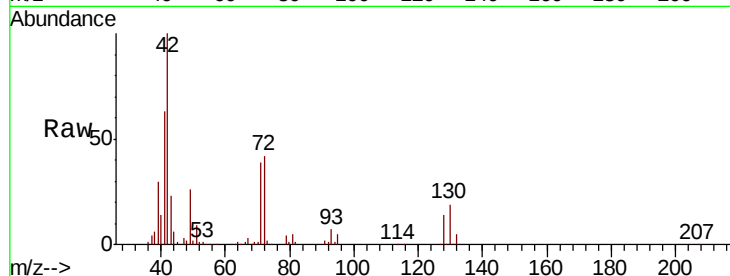




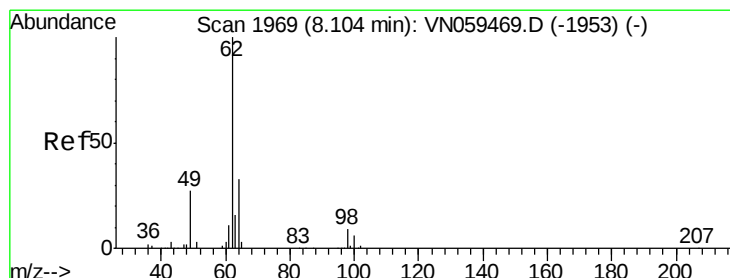
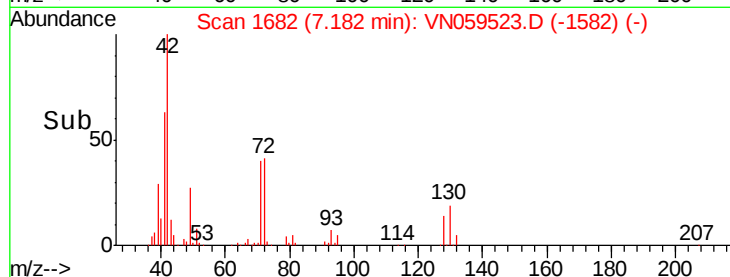
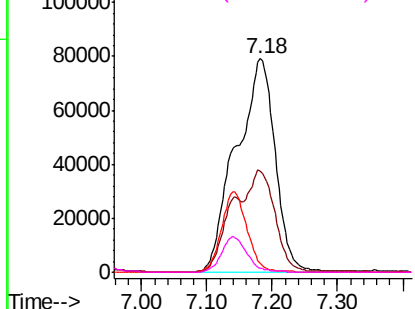
#41
Methacrylonitrile
Concen: 181.394 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.02 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	329502
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

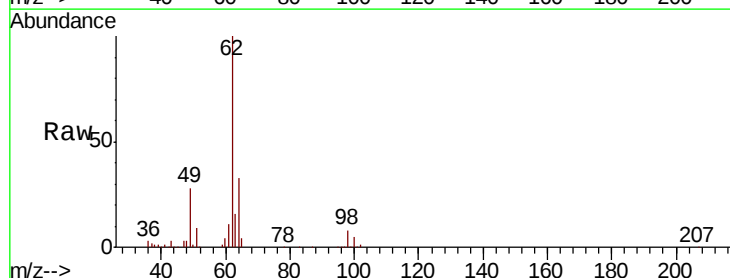


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

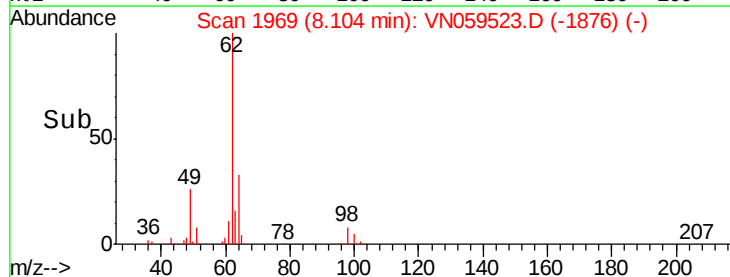
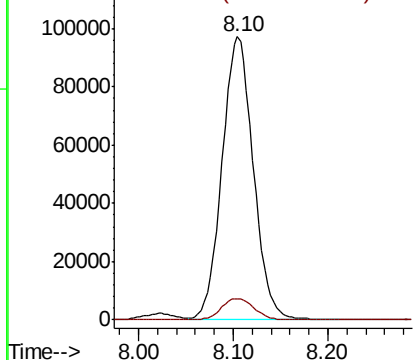


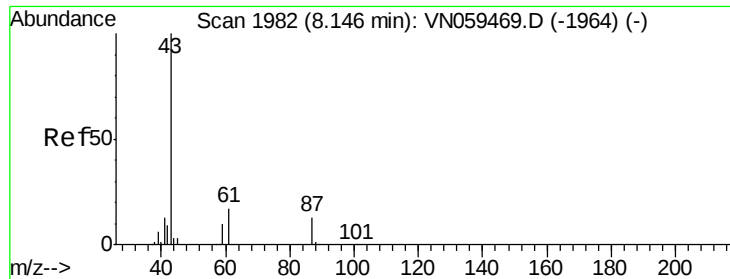
#42
1,2-Dichloroethane
Concen: 55.867 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion:	62	Resp:	222988
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	17.8



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

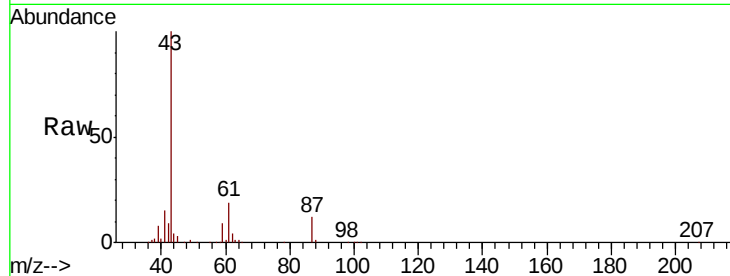




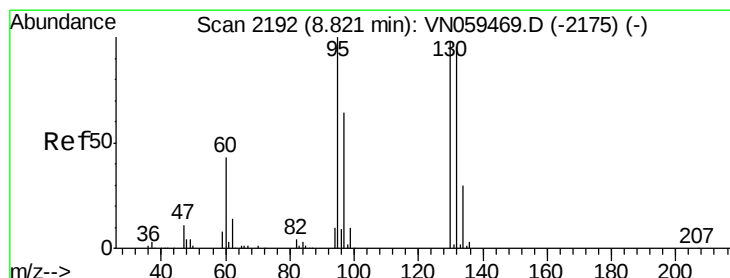
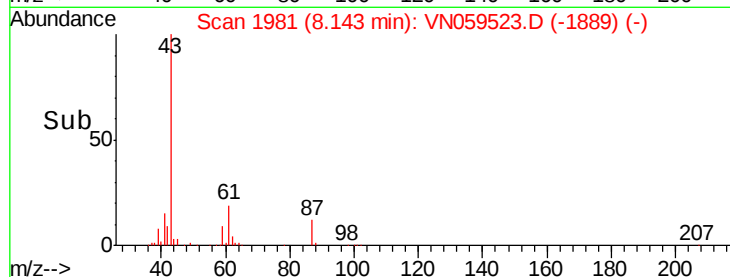
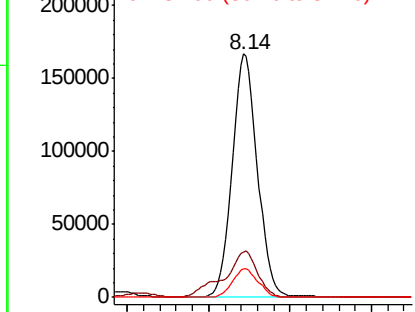
#43
Isopropyl Acetate
Concen: 54.191 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 361253
Ion Ratio Lower Upper
43 100
61 24.7 21.0 31.6
87 11.8 10.4 15.6

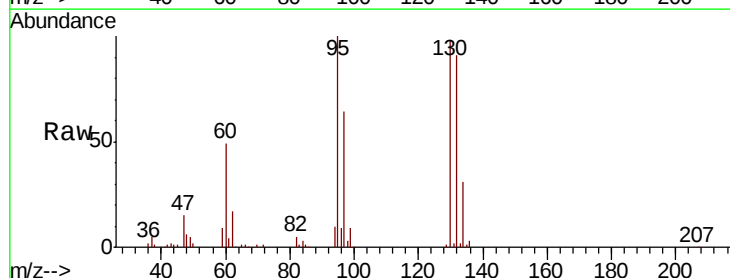


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

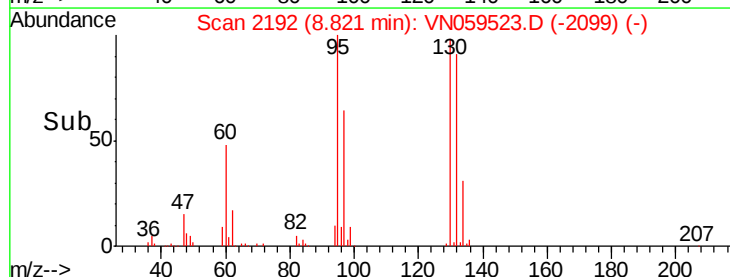
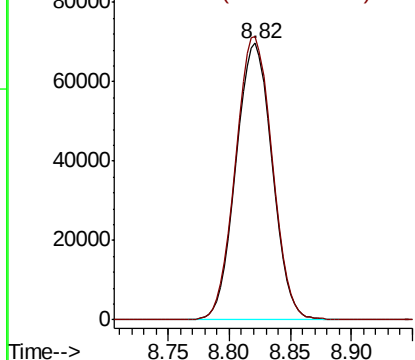


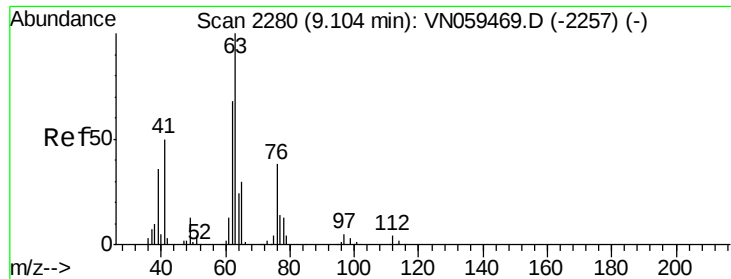
#44
Trichloroethene
Concen: 46.695 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion:130 Resp: 143384
Ion Ratio Lower Upper
130 100
95 102.3 0.0 203.6



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

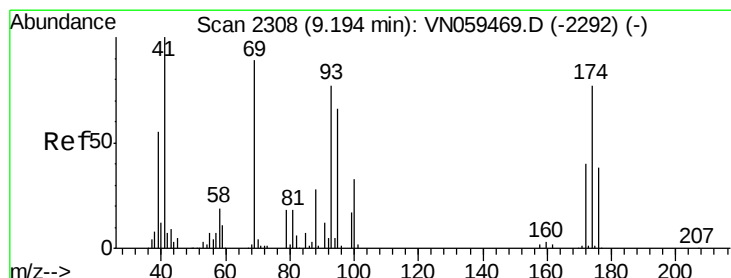
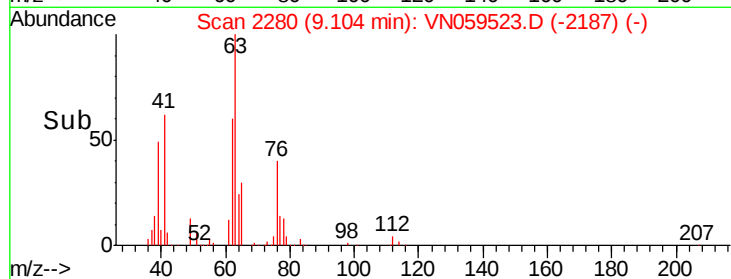
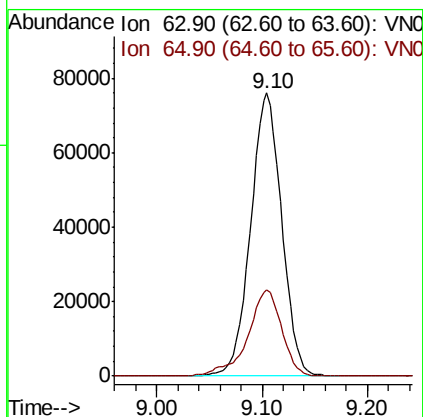
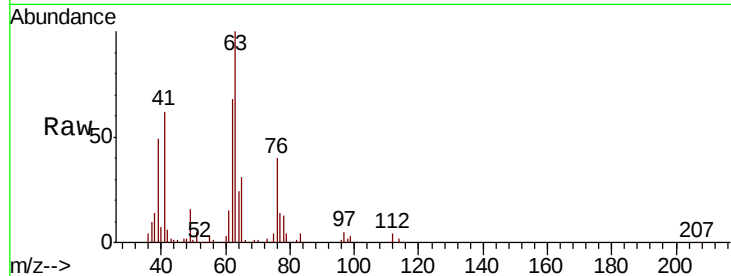




#45
 1,2-Dichloropropane
 Concen: 49.770 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

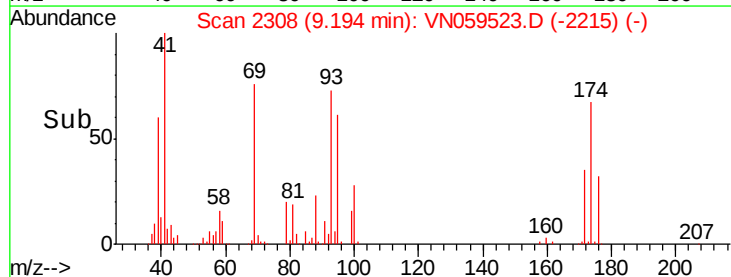
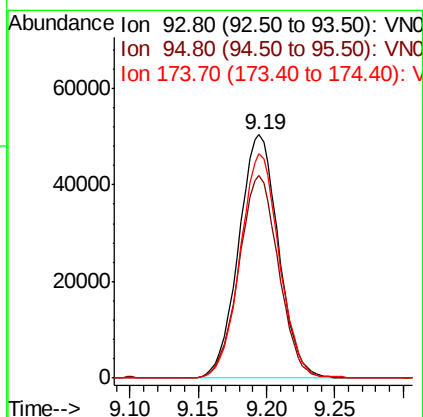
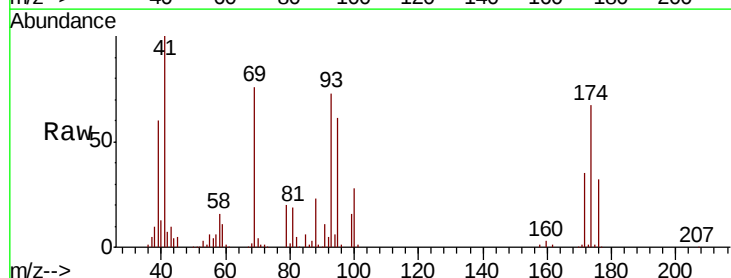
Instrument :
 MSVOA_N
 ClientSampled :

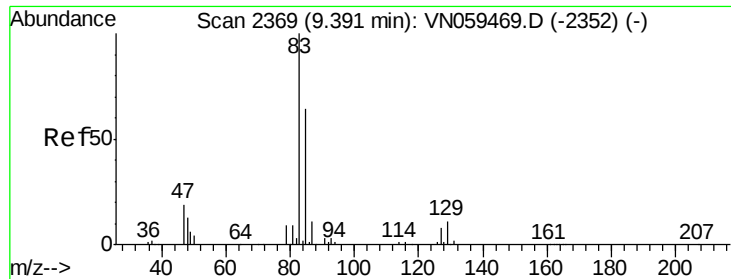
Tot Ion: 63 Resp: 156241
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.4 36.6



#46
 Dibromomethane
 Concen: 52.214 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Tgt Ion: 93 Resp: 102050
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.0 100.6
 174 90.5 79.6 119.4

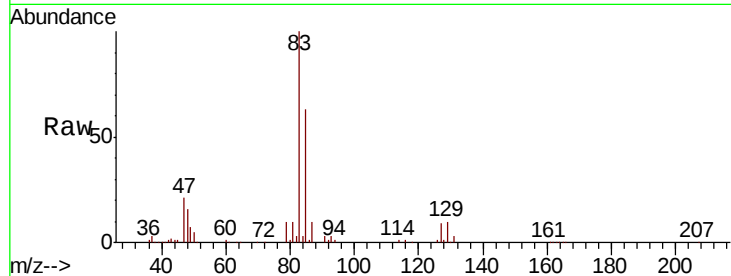




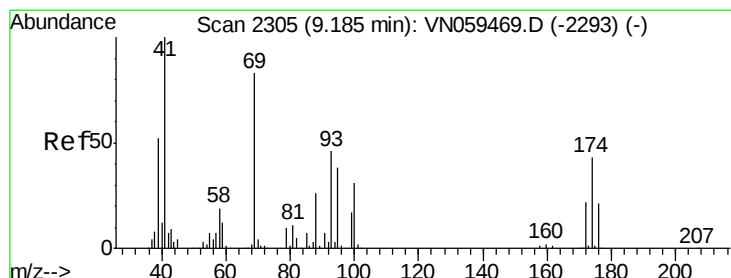
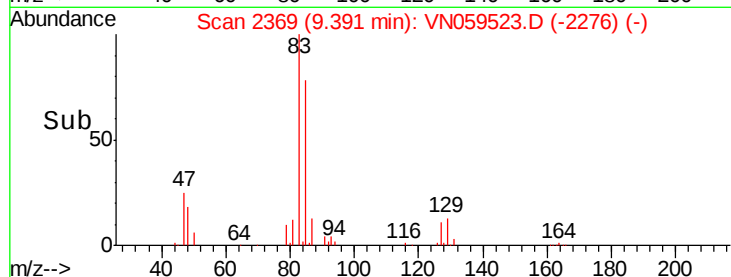
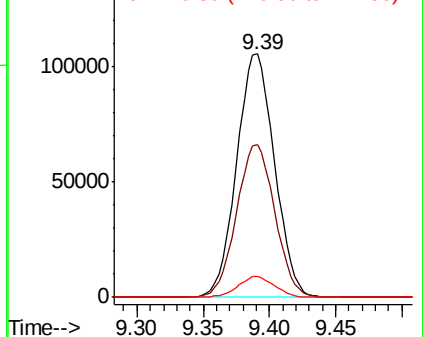
#47
Bromodichloromethane
Concen: 53.435 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 209404
Ion Ratio Lower Upper
83 100
85 62.9 51.0 76.6
127 8.6 6.6 9.8

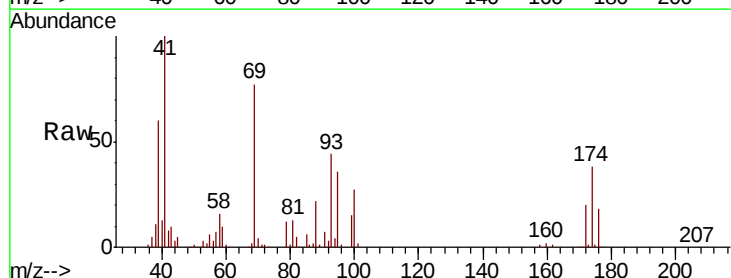


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

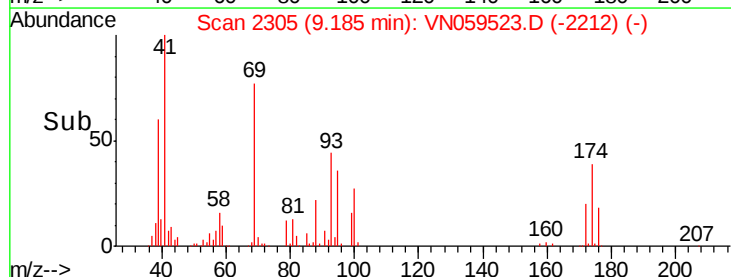
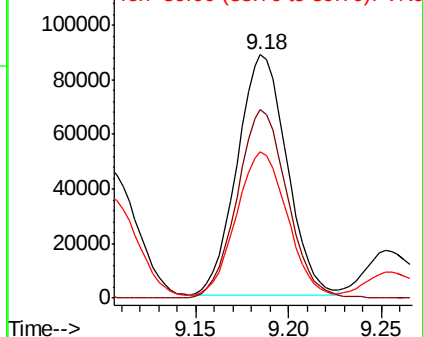


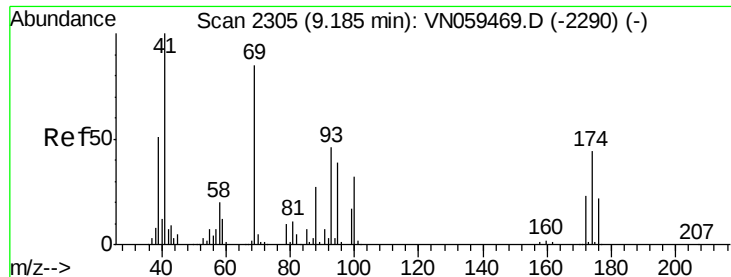
#48
Methyl methacrylate
Concen: 54.587 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 41 Resp: 164171
Ion Ratio Lower Upper
41 100
69 79.1 68.6 103.0
39 62.5 43.2 64.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

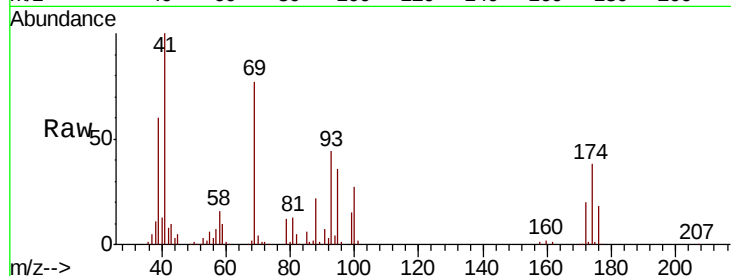




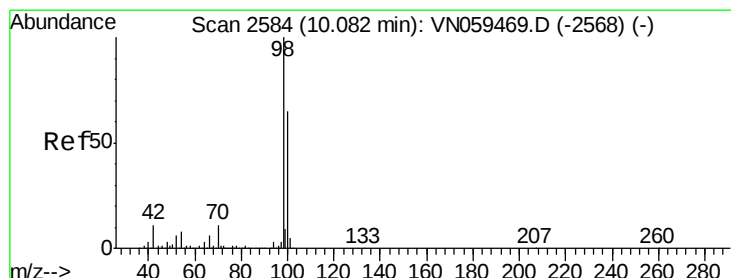
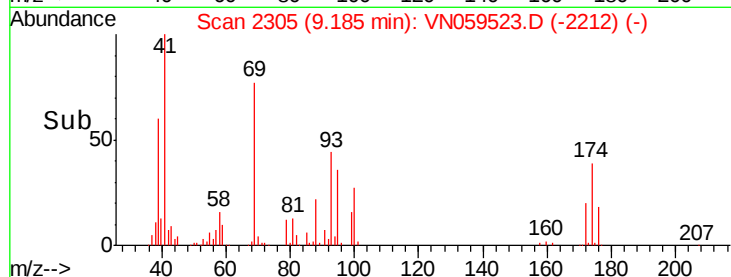
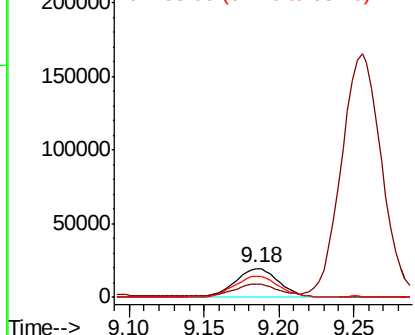
#49
1,4-Dioxane
Concen: 873.545 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 39754
Ion Ratio Lower Upper
88 100
43 38.6 27.1 40.7
58 74.1 57.8 86.6

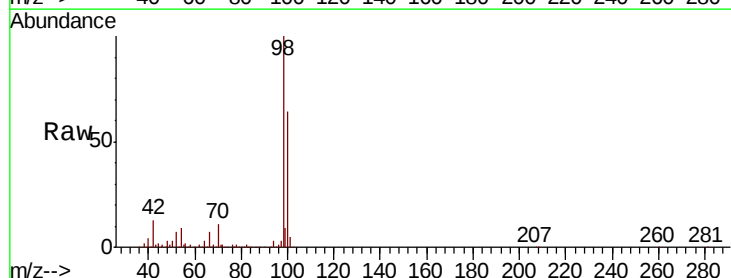


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

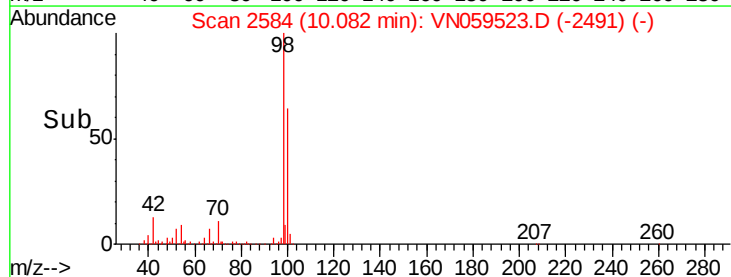
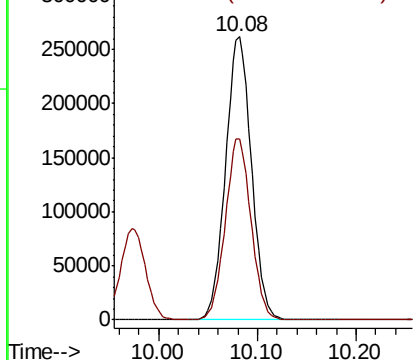


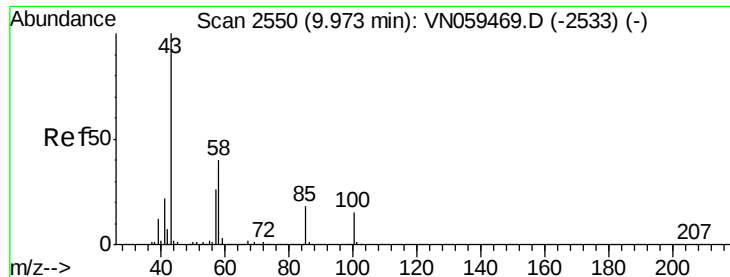
#50
Toluene-d8
Concen: 50.746 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 98 Resp: 480509
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



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

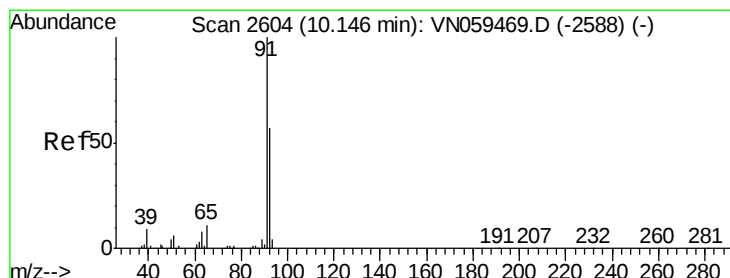
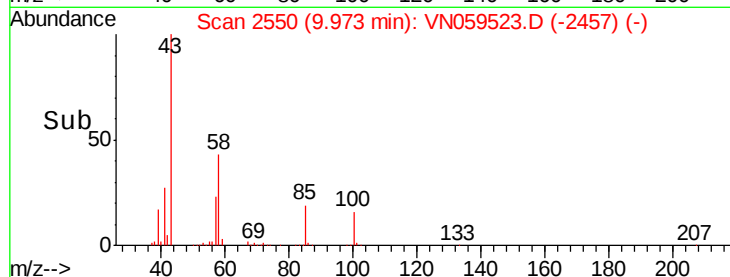
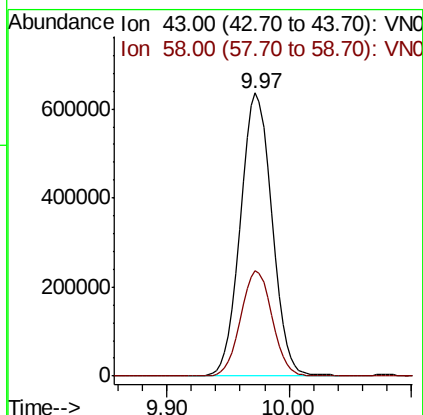
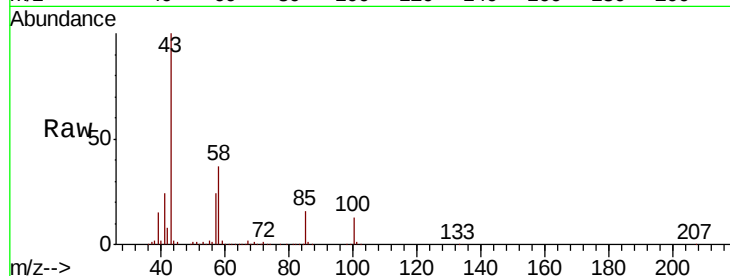




#51
4-Methyl-2-Pentanone
Concen: 285.561 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

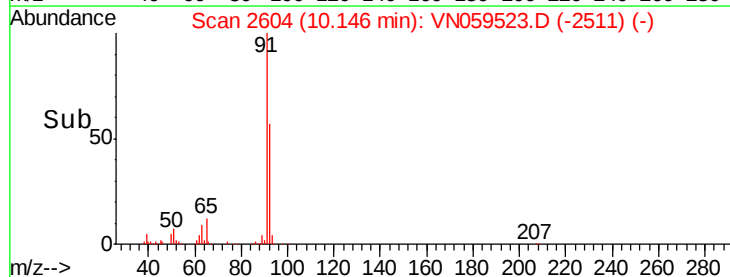
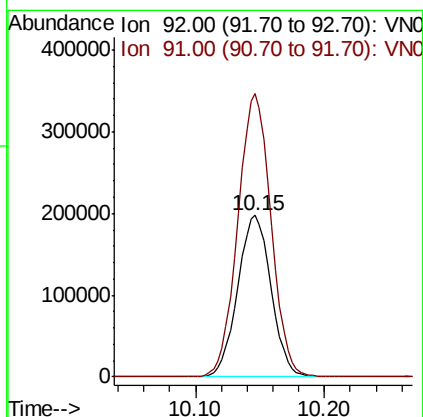
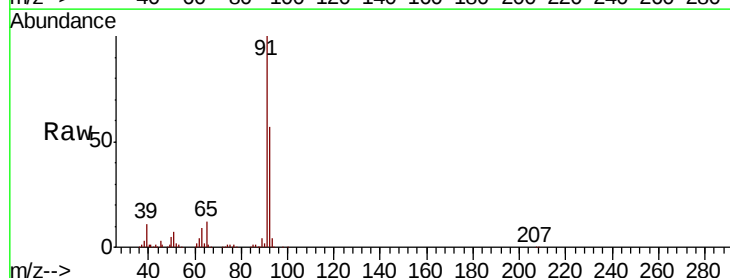
Instrument :
MSVOA_N
ClientSampled :

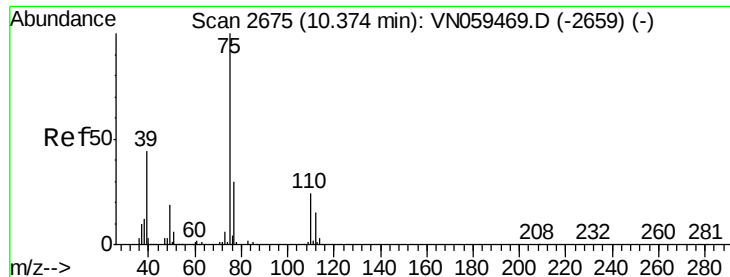
Tot Ion: 43 Resp: 1129971
Ion Ratio Lower Upper
43 100
58 37.1 32.1 48.1



#52
Toluene
Concen: 50.023 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 92 Resp: 355484
Ion Ratio Lower Upper
92 100
91 174.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 51.294 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

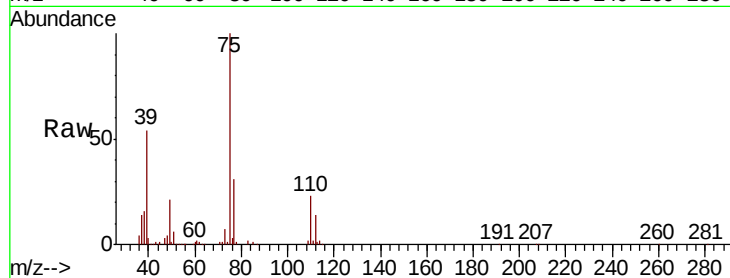
ClientSampled :

Tot Ion: 75 Resp: 236533

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

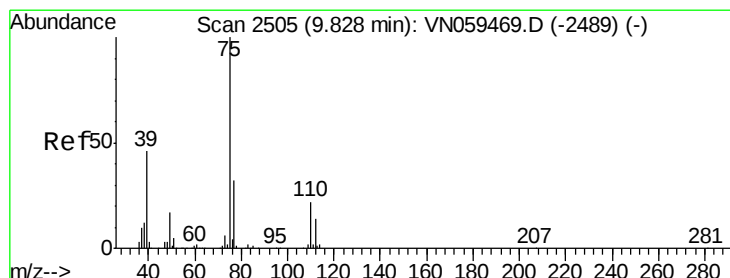
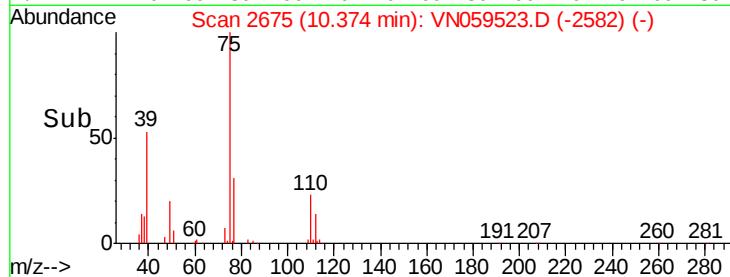
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.118 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

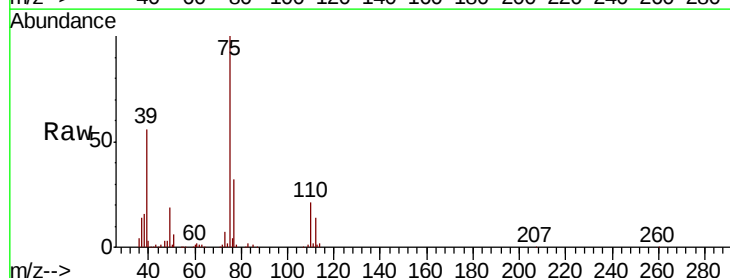
Tgt Ion: 75 Resp: 249851

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 56.3 36.6 54.8#



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

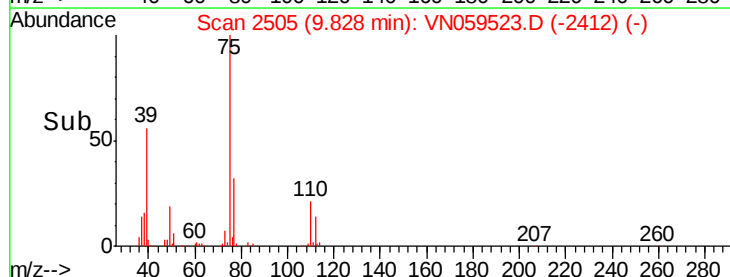
150000

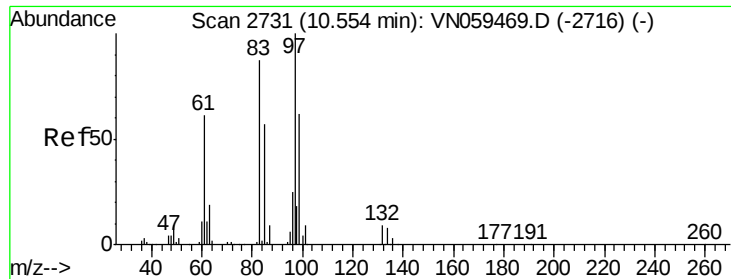
100000

50000

0

Time-->



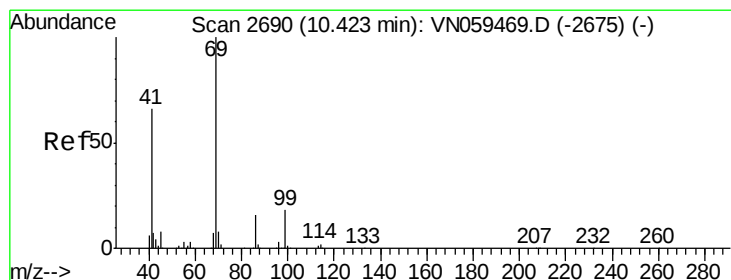
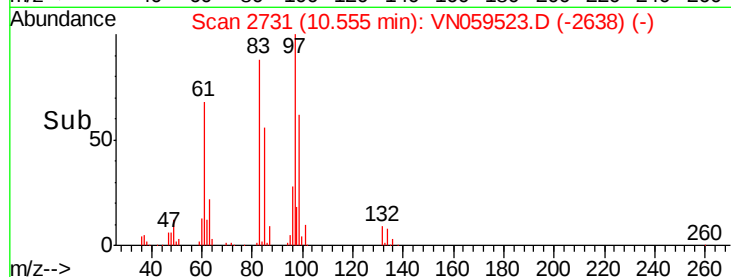
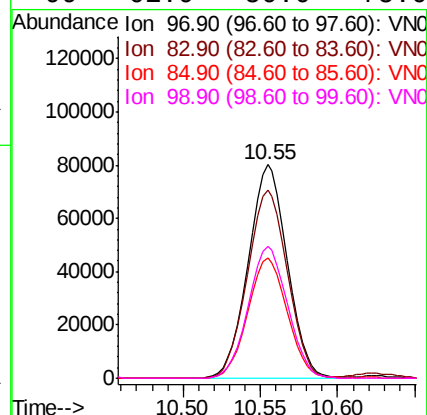
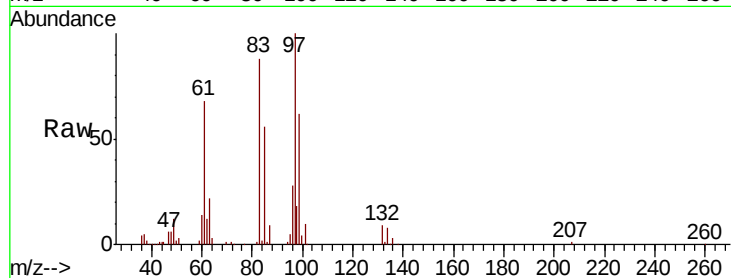


#55
 1,1,2-Trichloroethane
 Concen: 50.325 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 140983

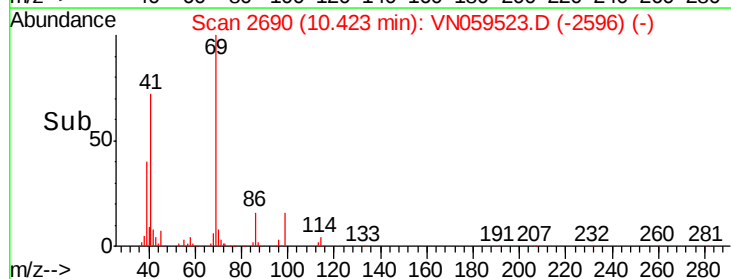
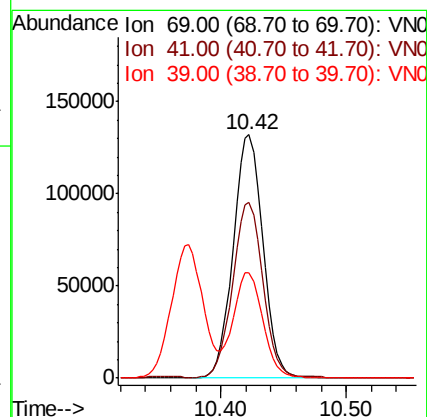
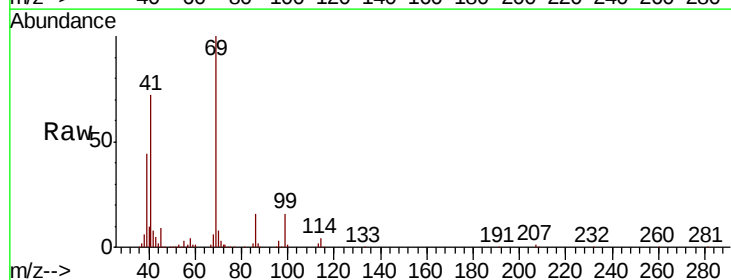
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.8	104.8
85	56.3	45.5	68.3
99	61.9	50.0	75.0

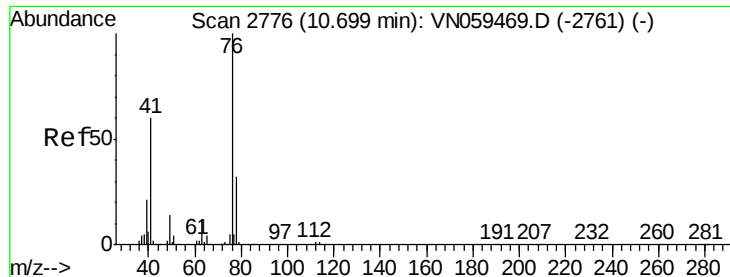


#56
 Ethyl methacrylate
 Concen: 48.062 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Tgt Ion: 69 Resp: 217717

Ion	Ratio	Lower	Upper
69	100		
41	72.4	52.7	79.1
39	42.7	25.0	37.6





#57

1,3-Dichloropropane

Concen: 51.169 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

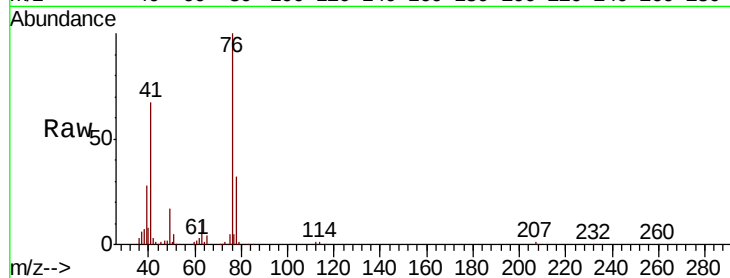
ClientSampled :

Tot Ion: 76 Resp: 247890

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

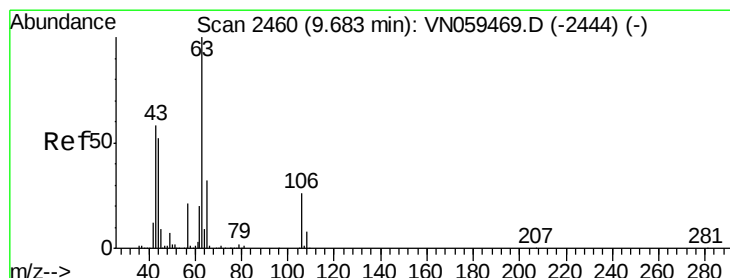
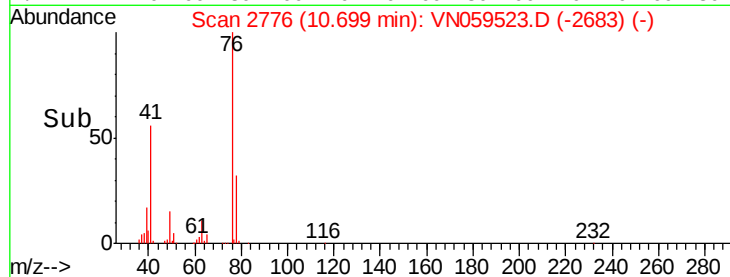
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 226.494 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059523.D

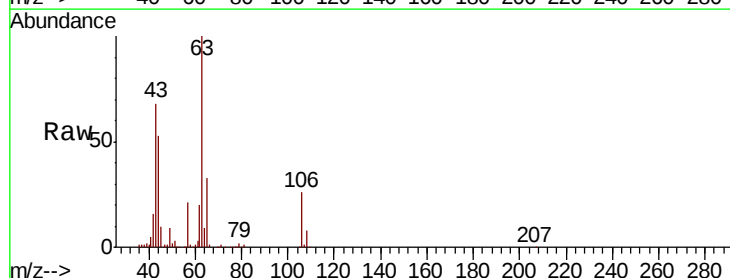
Acq: 6 Dec 2019 18:11

Tgt Ion: 63 Resp: 347885

Ion Ratio Lower Upper

63 100

106 25.4 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

200000

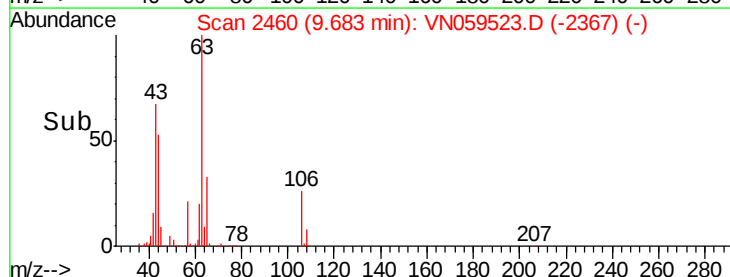
150000

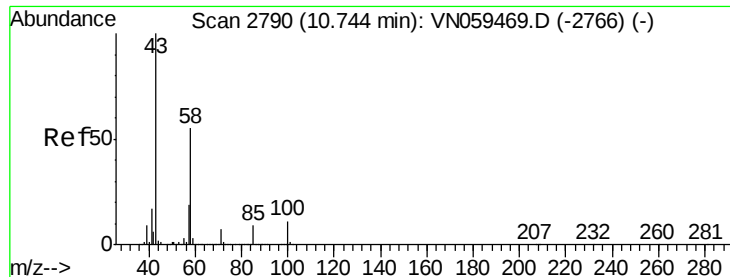
100000

50000

0

Time--> 9.60 9.70 9.80

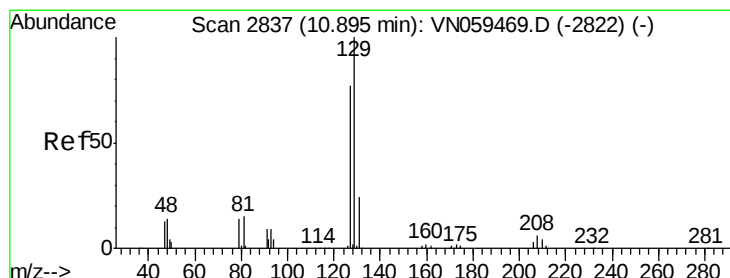
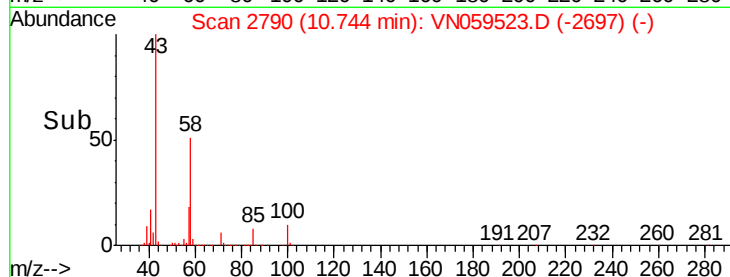
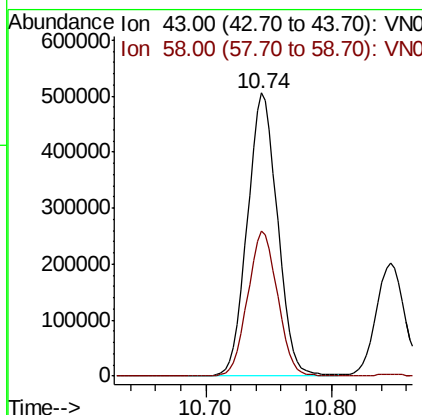
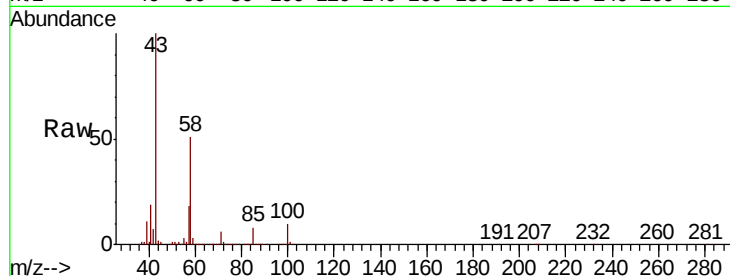




#59
2-Hexanone
Concen: 282.857 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

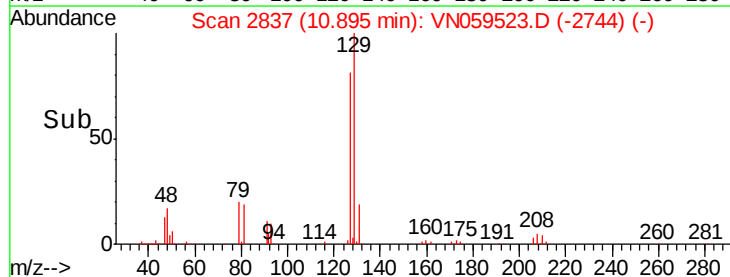
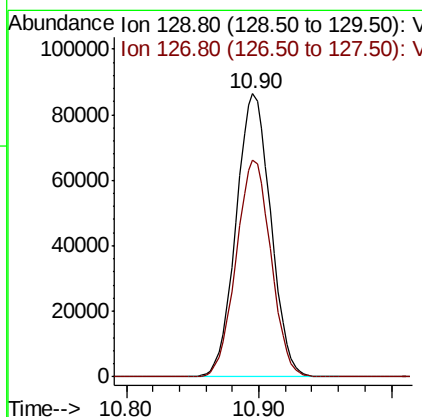
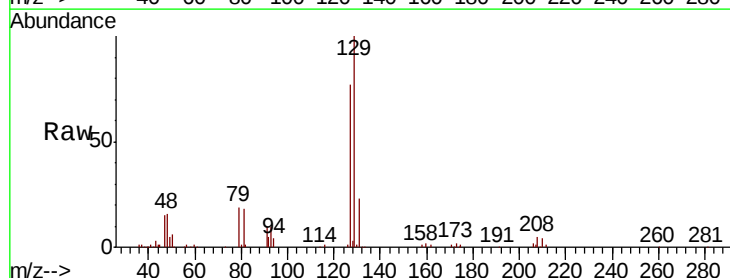
Instrument :
MSVOA_N
ClientSampled :

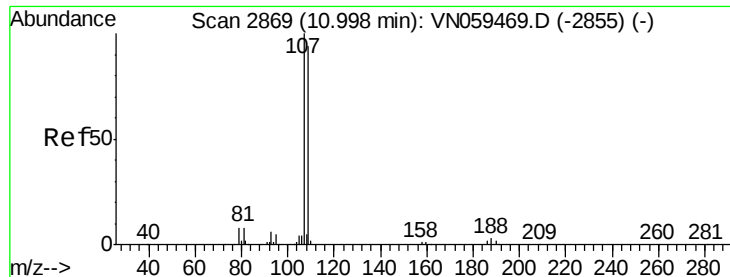
Tot Ion: 43 Resp: 842331
Ion Ratio Lower Upper
43 100
58 51.3 27.7 83.0



#60
Dibromochloromethane
Concen: 52.417 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 129 Resp: 156790
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9

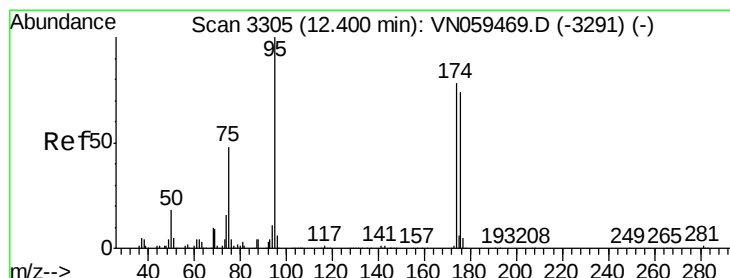
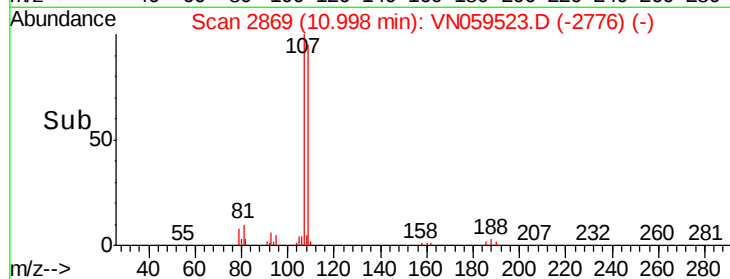
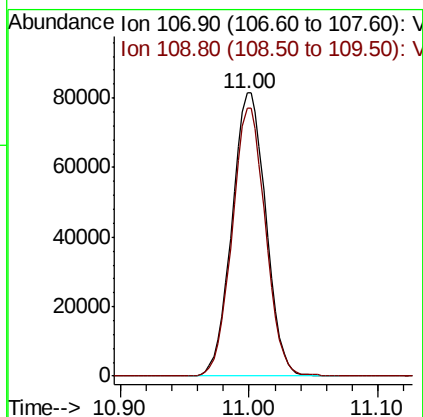
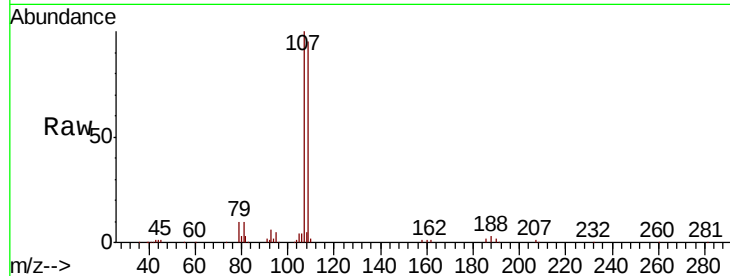




#61
 1,2-Dibromoethane
 Concen: 51.482 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

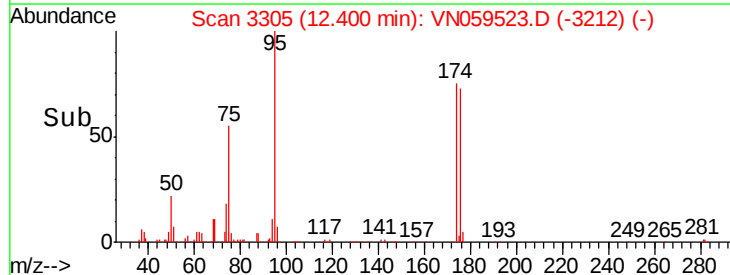
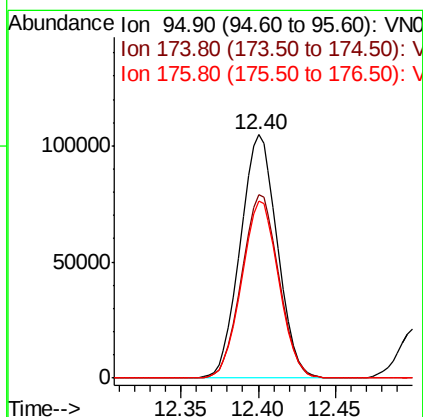
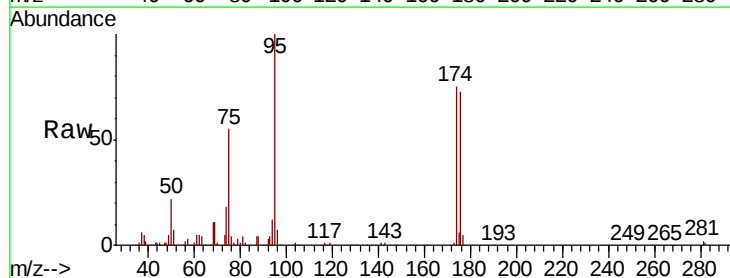
Instrument :
 MSVOA_N
 ClientSampleId :

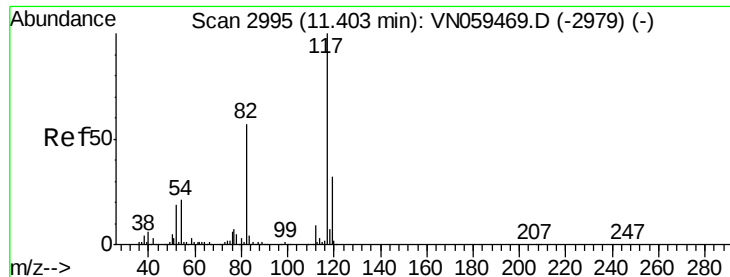
Tot Ion: 107 Resp: 149024
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.768 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Tgt Ion: 95 Resp: 174494
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 157.0
 176 73.0 0.0 152.4

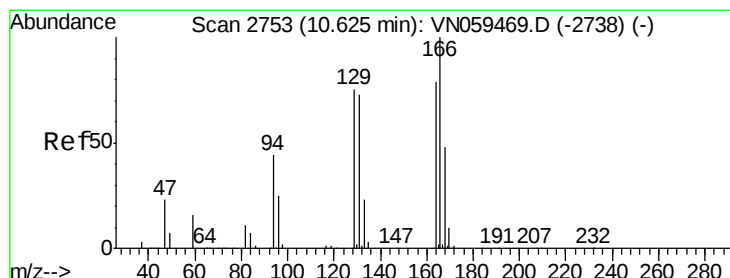
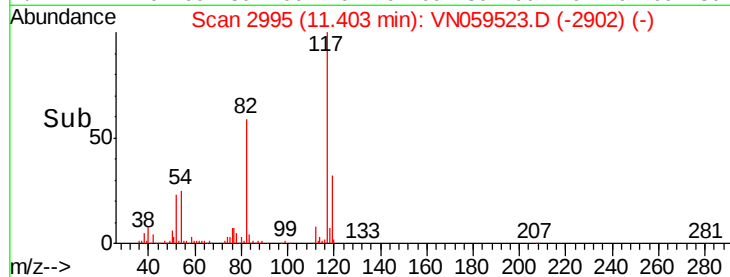
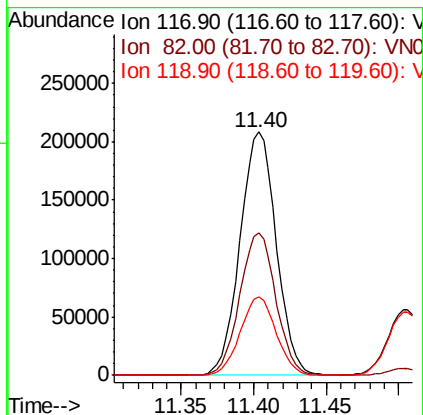
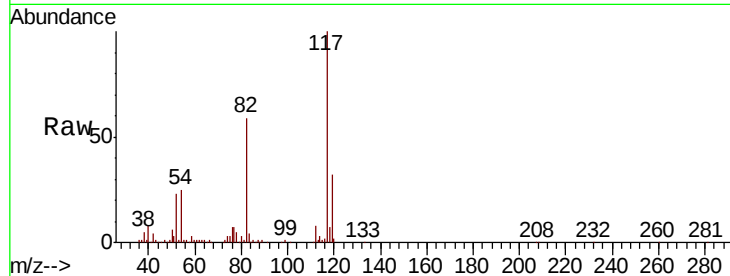




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

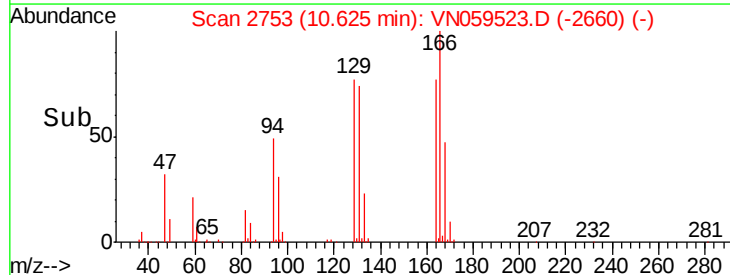
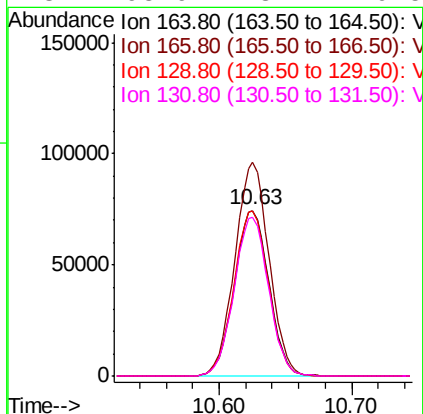
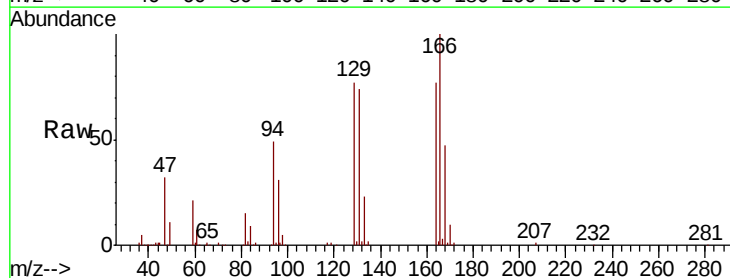
Instrument :
MSVOA_N
ClientSampleId :

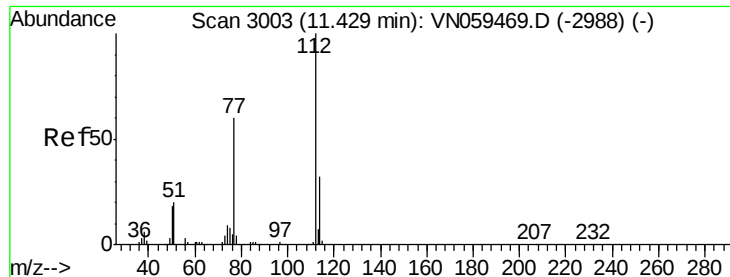
Tot Ion:117 Resp: 362145
Ion Ratio Lower Upper
117 100
82 58.5 45.8 68.8
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 43.676 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion:164 Resp: 134544
Ion Ratio Lower Upper
164 100
166 129.3 101.2 151.8
129 100.1 76.1 114.1
131 95.9 73.7 110.5

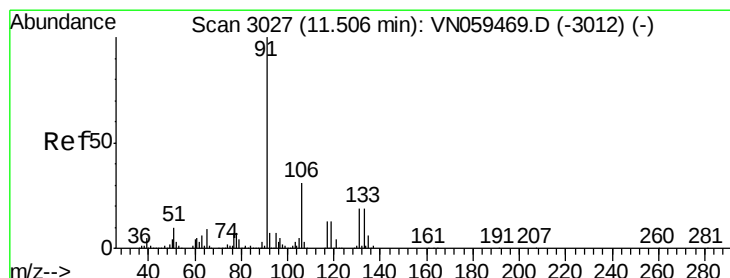
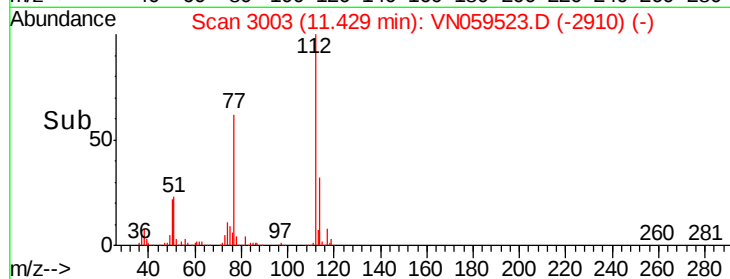
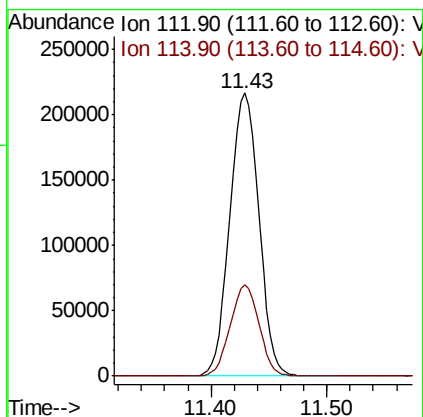
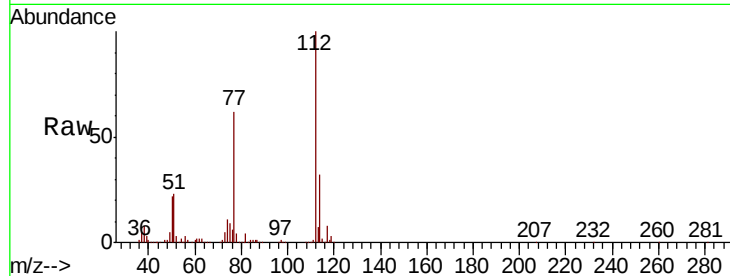




#65
Chlorobenzene
Concen: 47.493 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

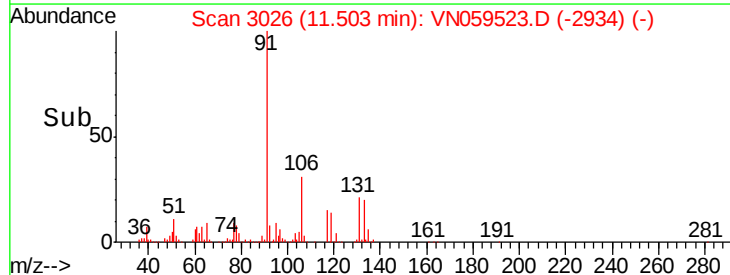
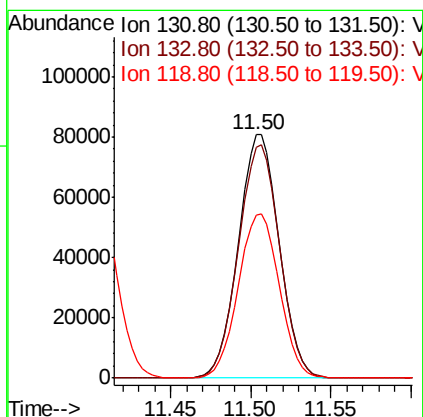
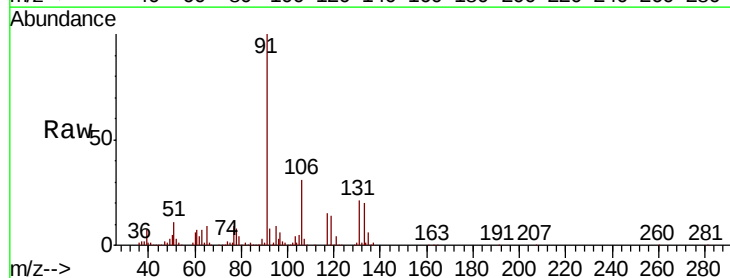
Instrument :
MSVOA_N
ClientSampleId :

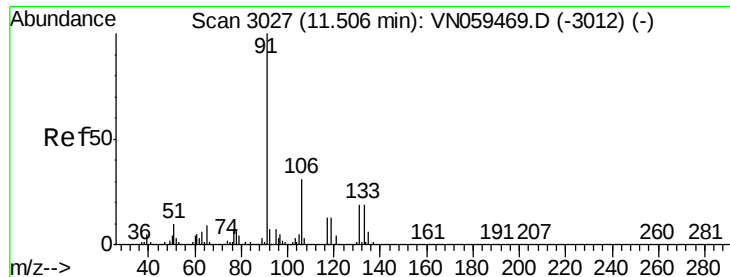
Tot Ion:112 Resp: 375997
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.351 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion:131 Resp: 140389
Ion Ratio Lower Upper
131 100
133 97.0 48.0 144.0
119 68.0 33.9 101.6





#67

Ethyl Benzene

Concen: 49.536 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

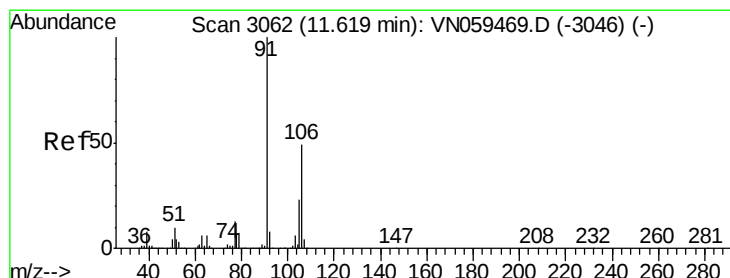
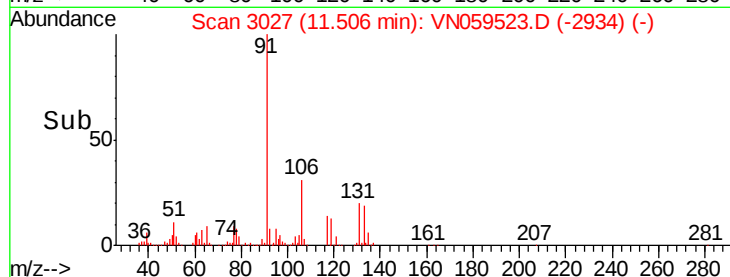
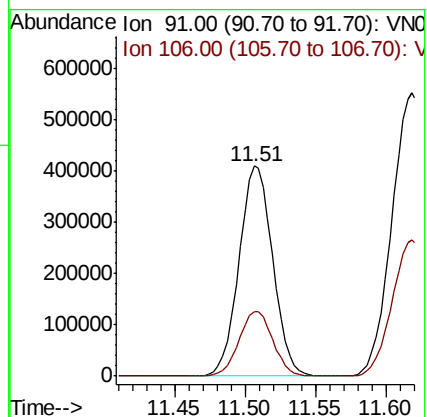
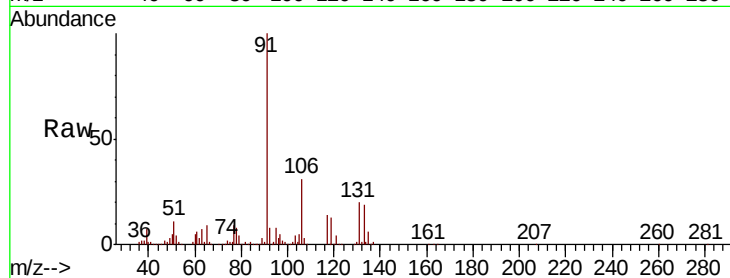
ClientSampled :

Tot Ion: 91 Resp: 687103

Ion Ratio Lower Upper

91 100

106 30.8 24.7 37.1



#68

m/p-Xylenes

Concen: 99.340 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059523.D

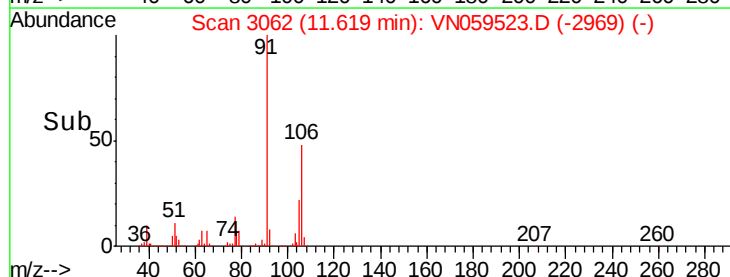
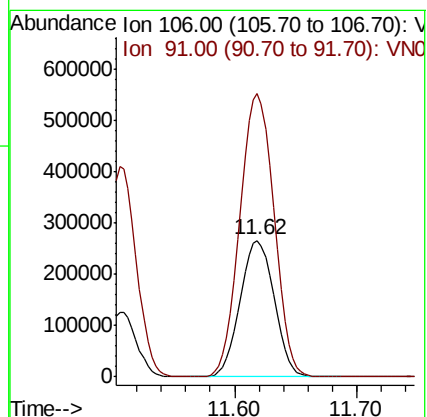
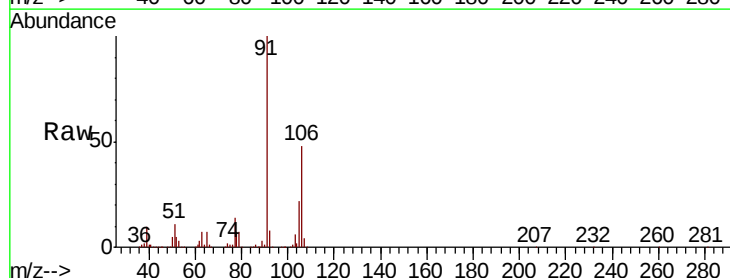
Acq: 6 Dec 2019 18:11

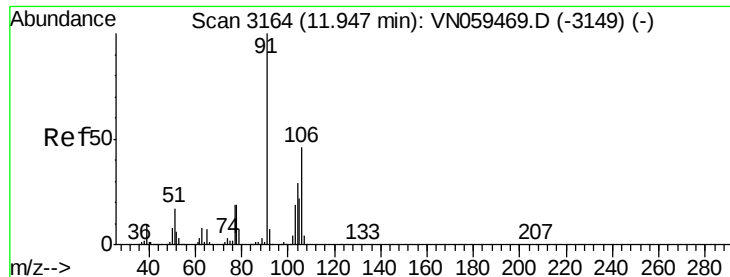
Tgt Ion: 106 Resp: 513075

Ion Ratio Lower Upper

106 100

91 208.7 162.2 243.4

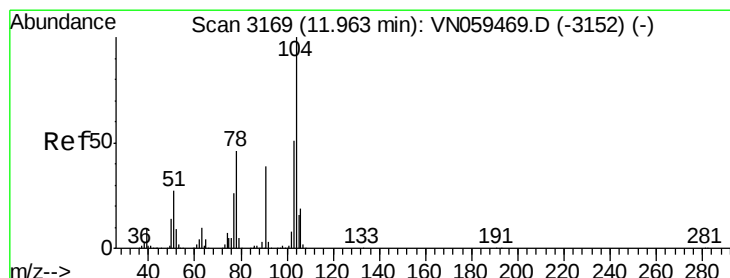
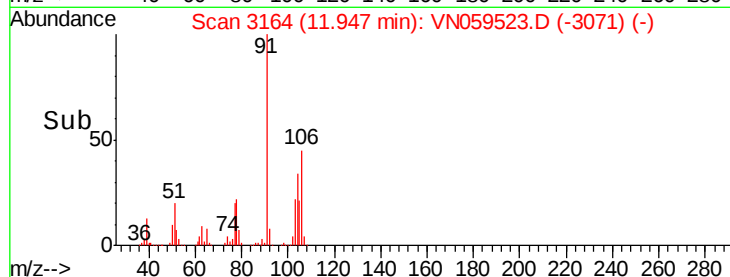
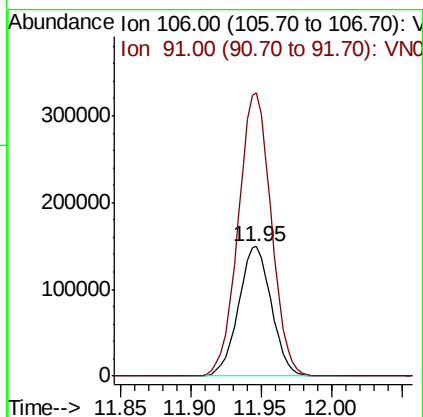
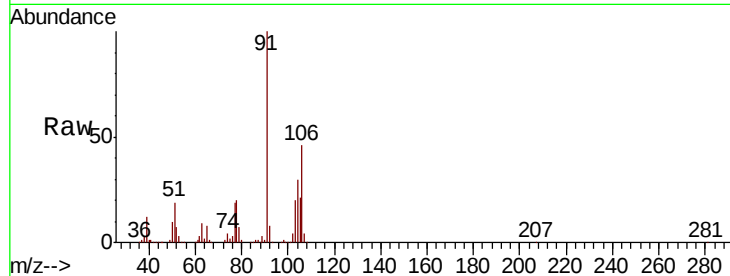




#69
o-Xylene
Concen: 49.681 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

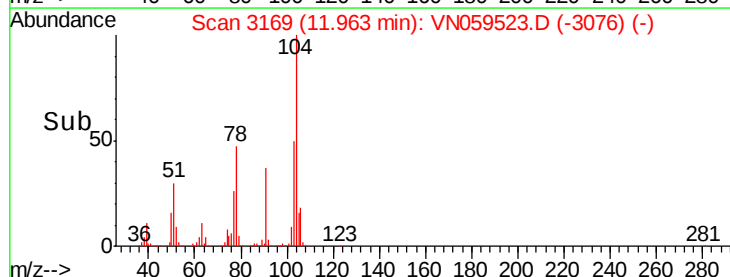
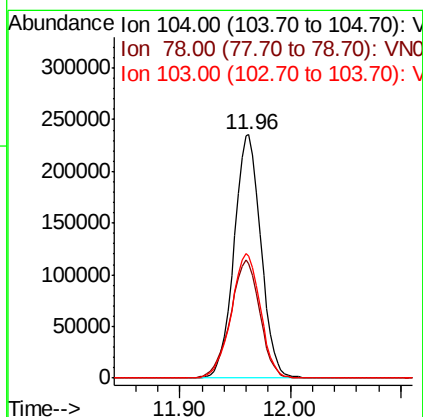
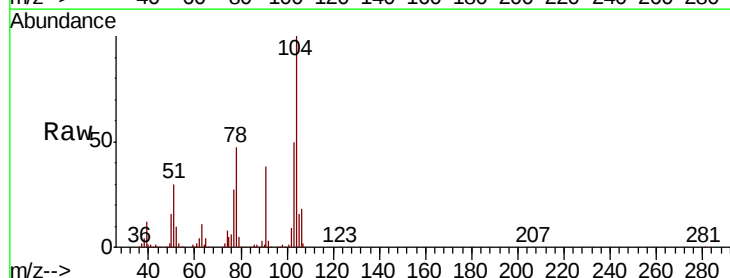
Instrument :
MSVOA_N
ClientSampleId :

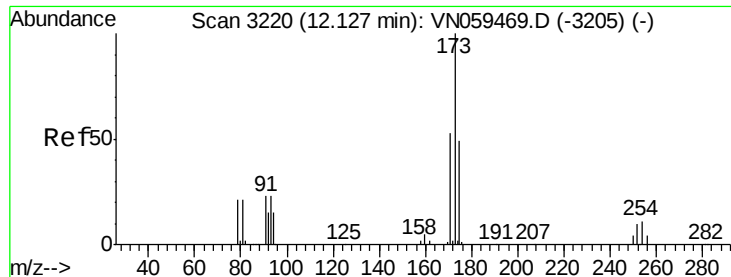
Tot Ion:106 Resp: 244289
Ion Ratio Lower Upper
106 100
91 219.6 108.5 325.3



#70
Styrene
Concen: 50.767 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion:104 Resp: 398491
Ion Ratio Lower Upper
104 100
78 52.9 41.0 61.4
103 55.3 44.7 67.1





#71

Bromoform

Concen: 50.336 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

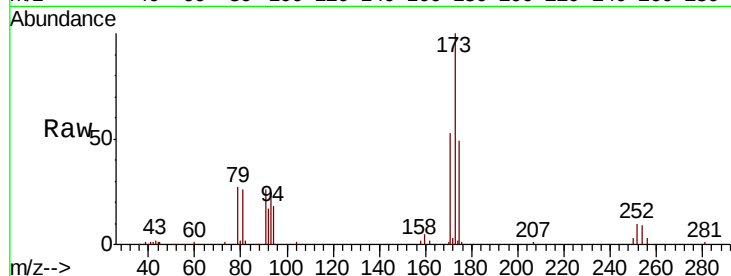
Tot Ion:173 Resp: 111614

Ion Ratio Lower Upper

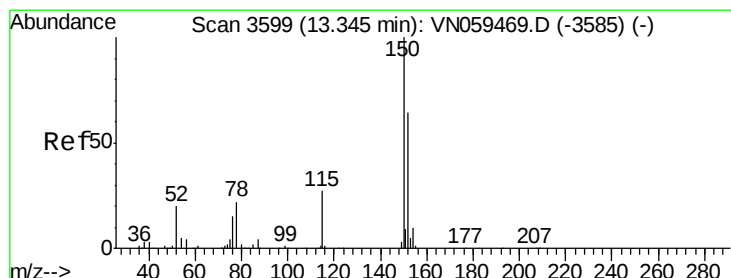
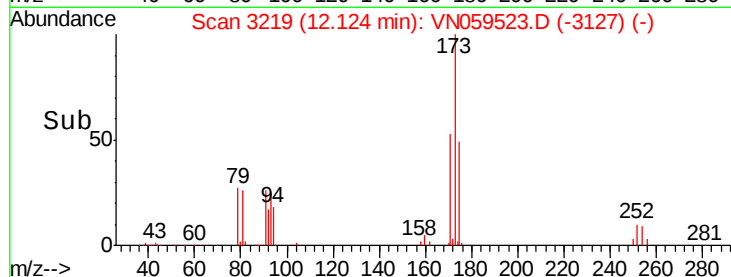
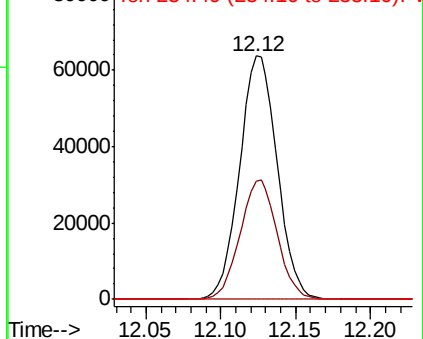
173 100

175 48.4 24.3 73.0

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

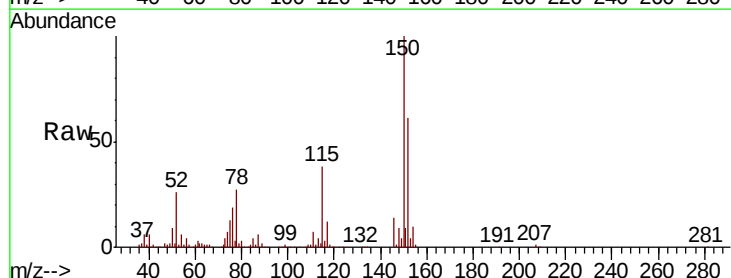
Tgt Ion:152 Resp: 173025

Ion Ratio Lower Upper

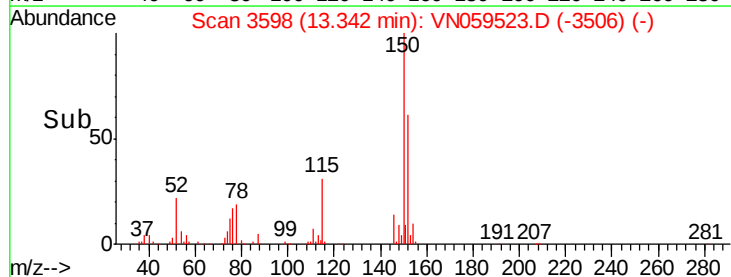
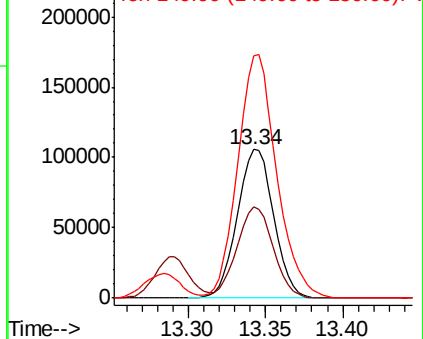
152 100

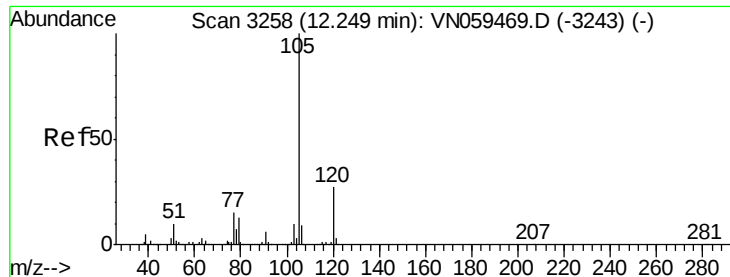
115 61.3 29.2 87.6

150 175.4 0.0 352.8



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





#73

Isopropylbenzene

Concen: 47.825 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

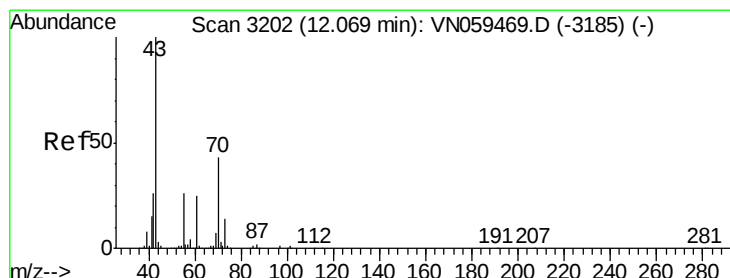
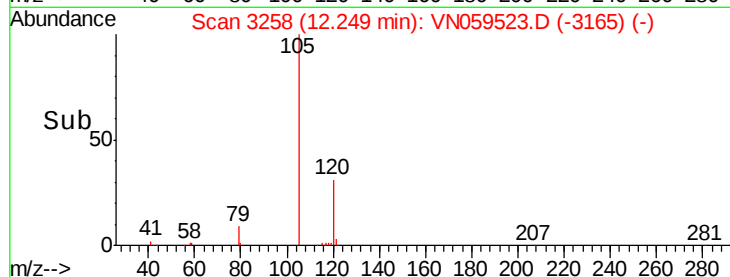
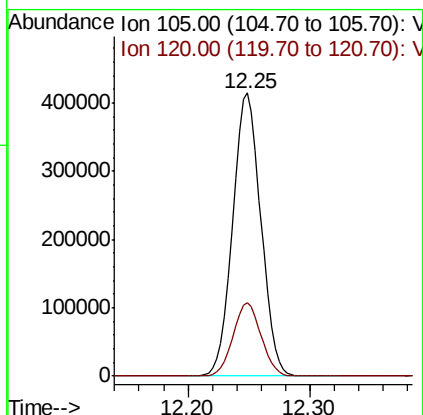
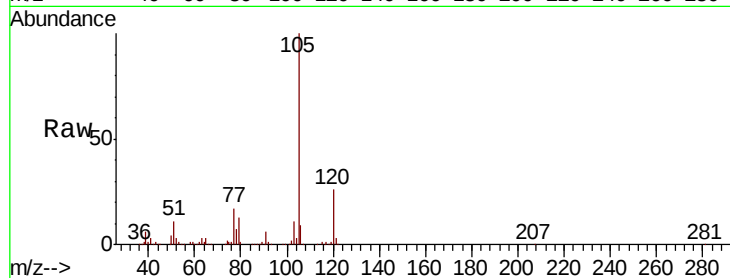
ClientSampleId :

Tot Ion: 105 Resp: 663629

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.6



#74

N-ethyl acetate

Concen: 54.499 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Tgt Ion: 43 Resp: 304606

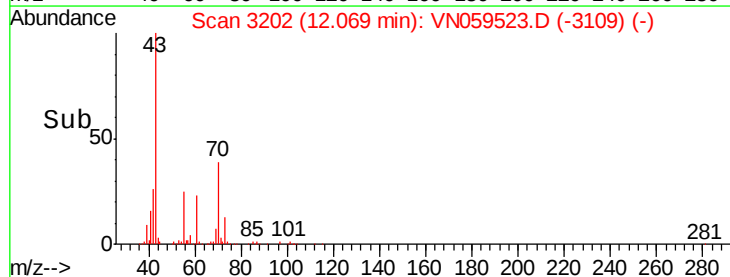
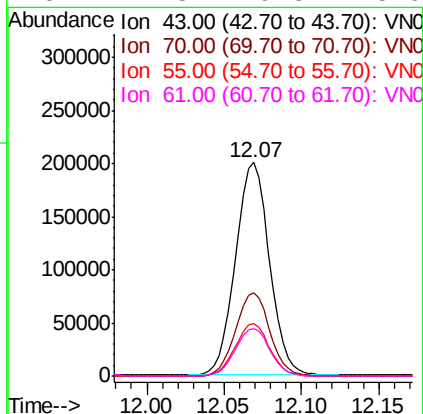
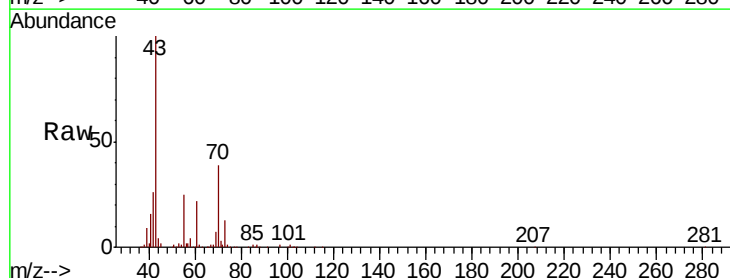
Ion Ratio Lower Upper

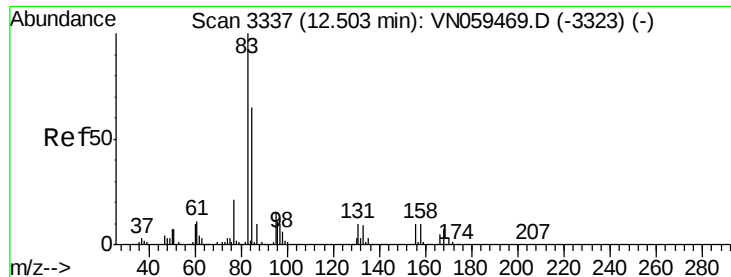
43 100

70 39.4 34.2 51.2

55 25.1 20.6 31.0

61 22.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.489 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

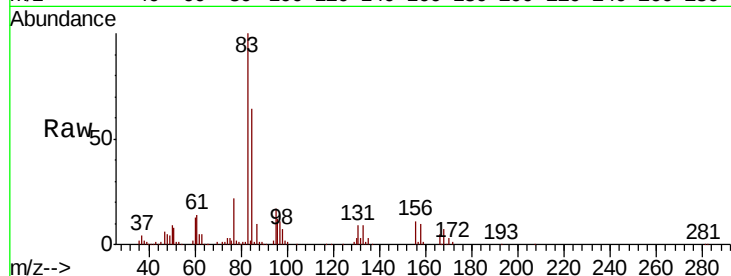
Tot Ion: 83 Resp: 220275

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

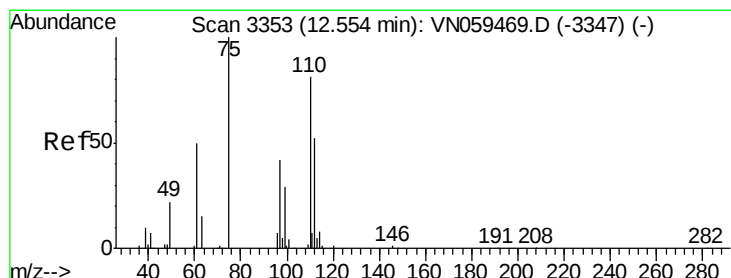
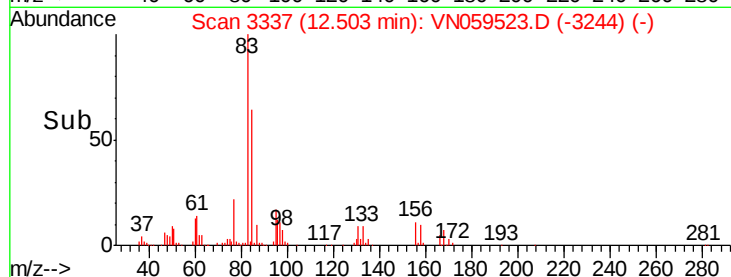
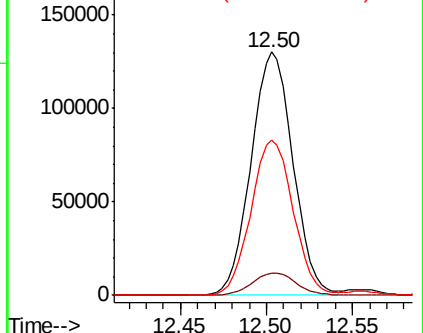
85 64.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN059469.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059469.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059469.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 70.155 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059523.D

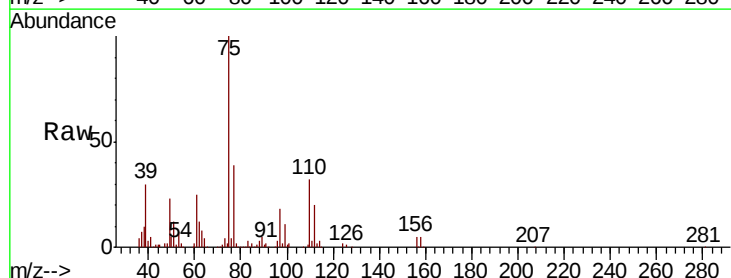
Acq: 6 Dec 2019 18:11

Tgt Ion: 75 Resp: 301815

Ion Ratio Lower Upper

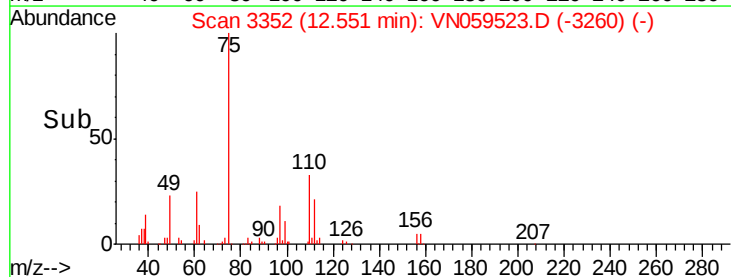
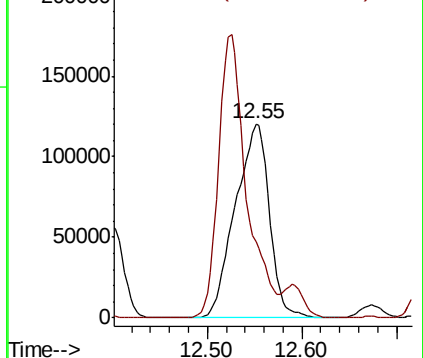
75 100

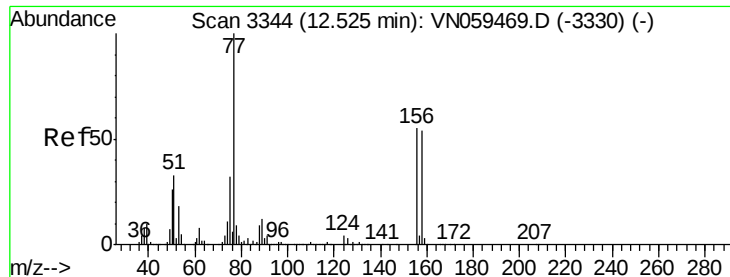
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059469.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059469.D (-3347) (-)





#77

Bromobenzene

Concen: 44.507 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

ClientSampled :

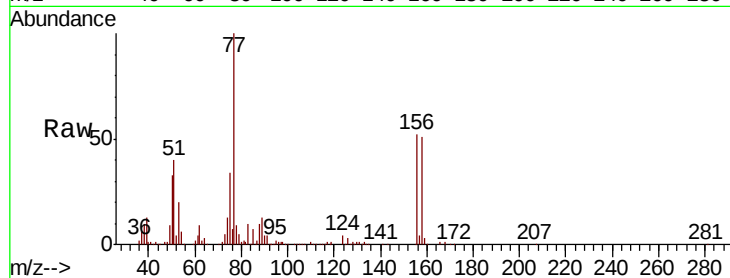
Tot Ion:156 Resp: 154331

Ion Ratio Lower Upper

156 100

77 236.0 110.3 331.0

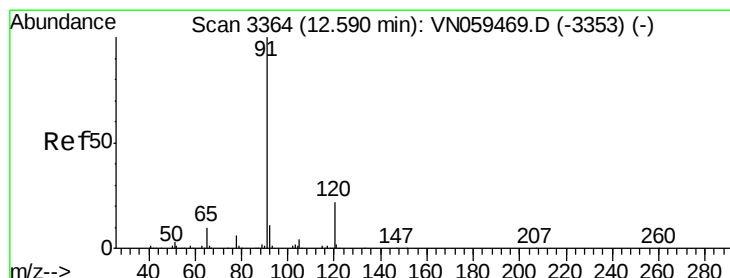
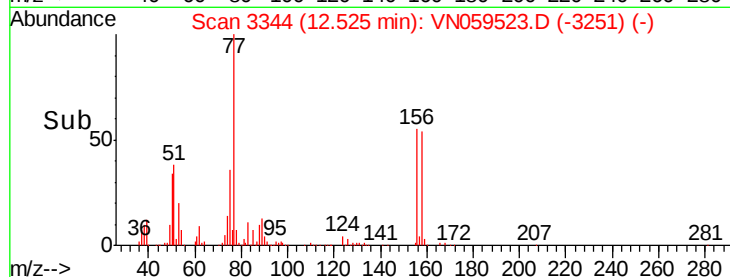
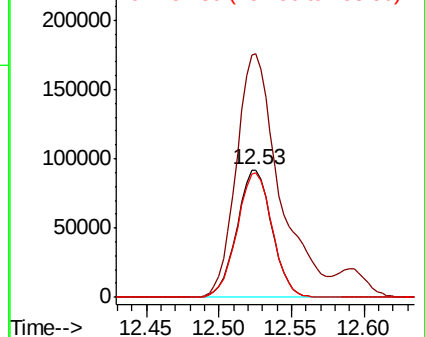
158 98.0 48.5 145.5



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: 49.172 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059523.D

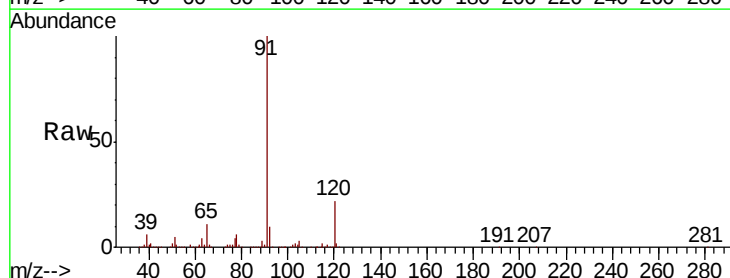
Acq: 6 Dec 2019 18:11

Tgt Ion: 91 Resp: 794032

Ion Ratio Lower Upper

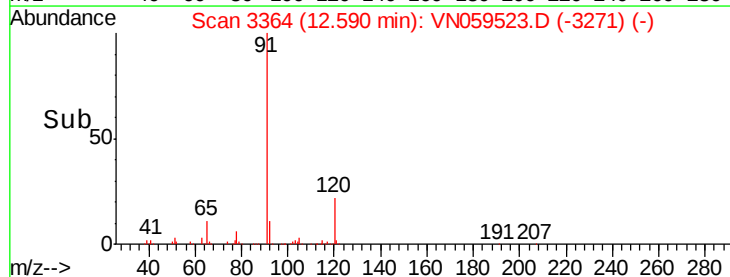
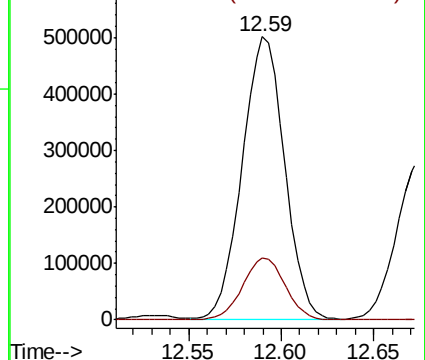
91 100

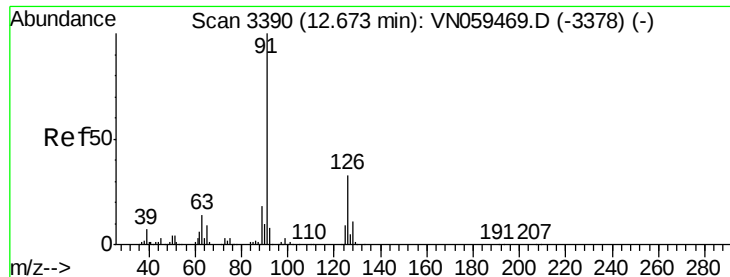
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

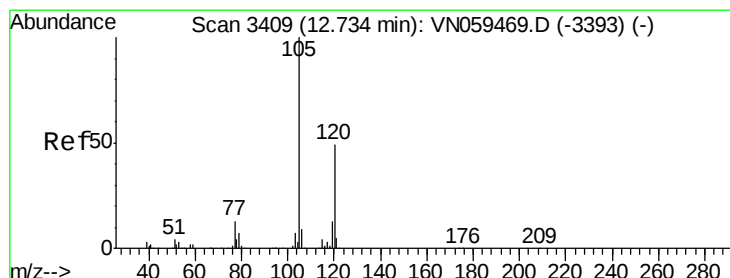
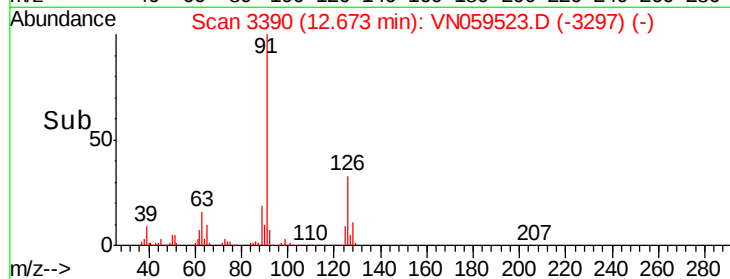
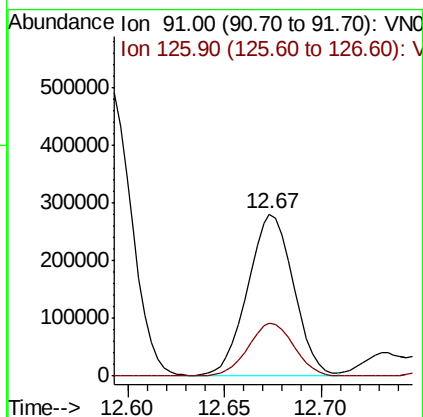
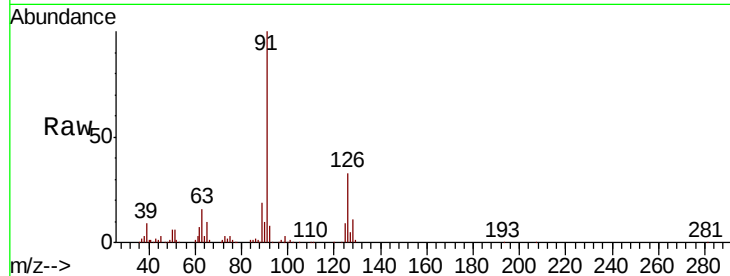




#79
 2-Chlorotoluene
 Concen: 47.472 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

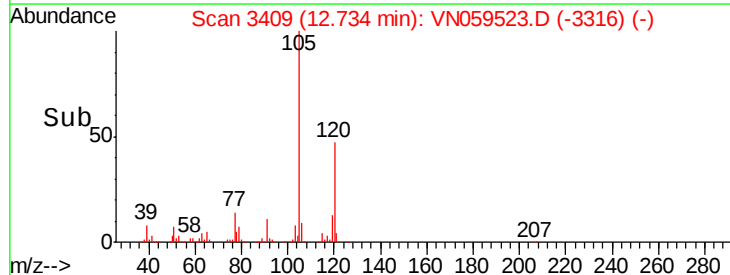
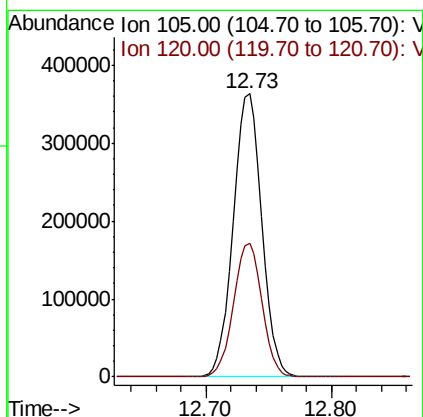
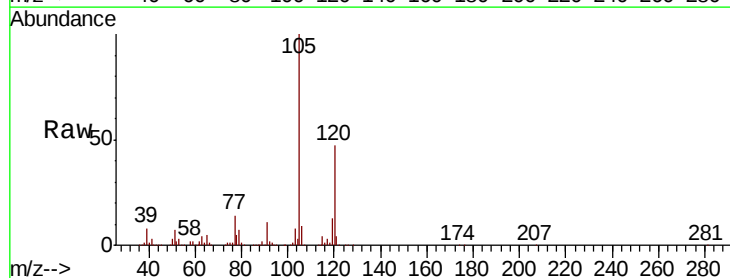
Instrument :
 MSVOA_N
 ClientSampleId :

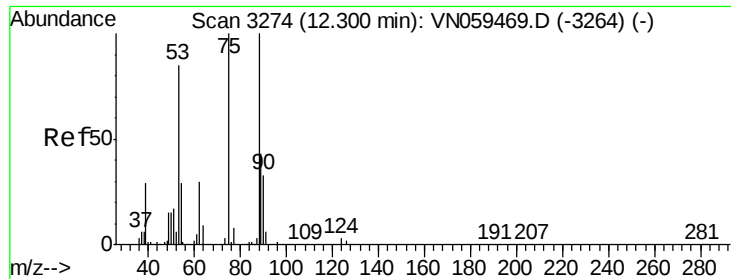
Tot Ion: 91 Resp: 462105
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 49.474 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Tgt Ion: 105 Resp: 573702
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.807 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

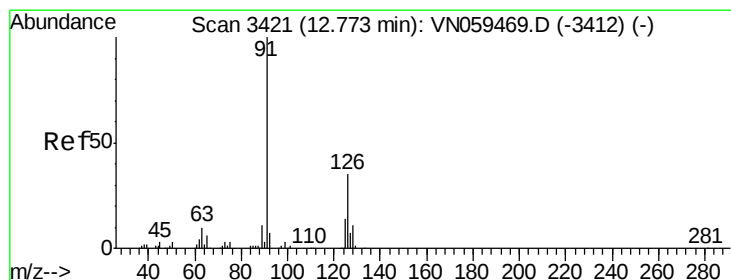
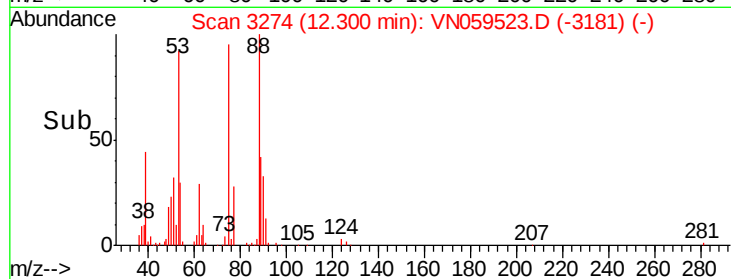
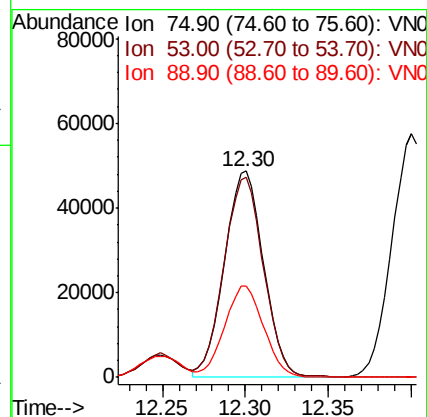
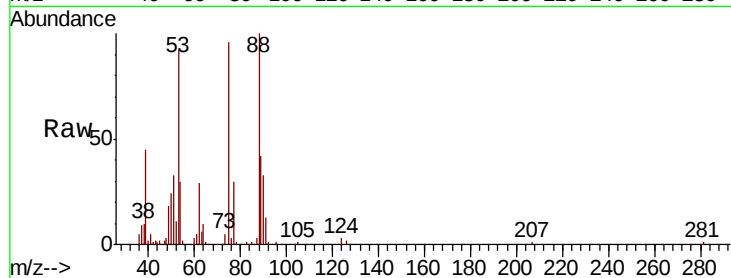
Tot Ion: 75 Resp: 80009

Ion Ratio Lower Upper

75 100

53 98.3 69.8 104.6

89 43.9 35.2 52.8



#82

4-Chlorotoluene

Concen: 47.919 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059523.D

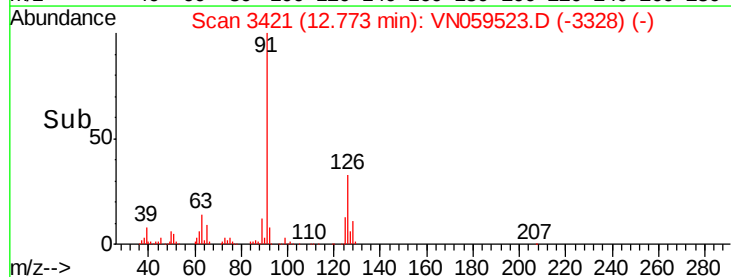
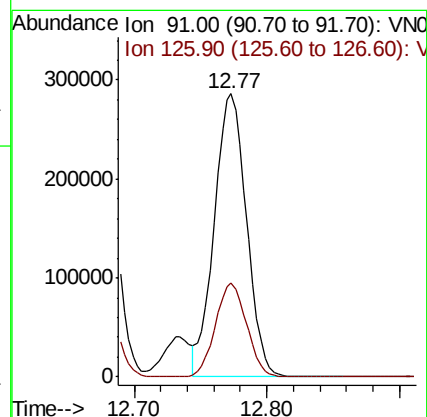
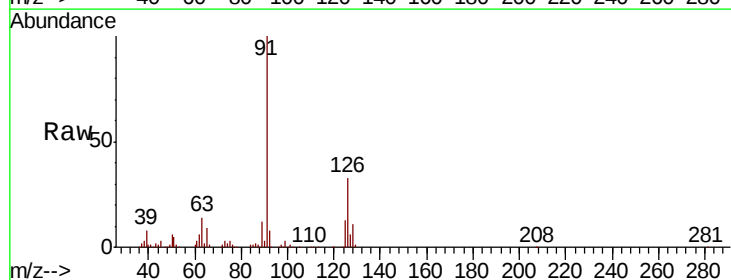
Acq: 6 Dec 2019 18:11

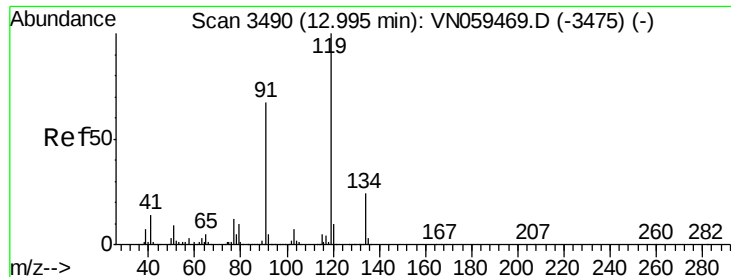
Tgt Ion: 91 Resp: 481262

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.2

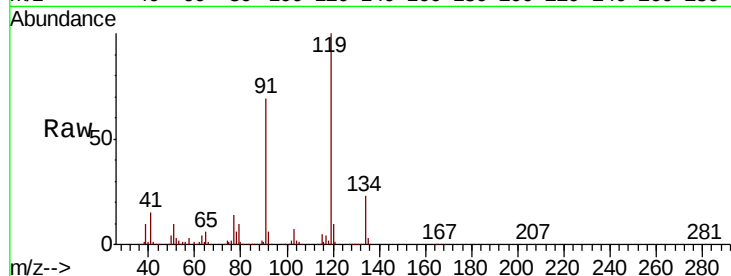




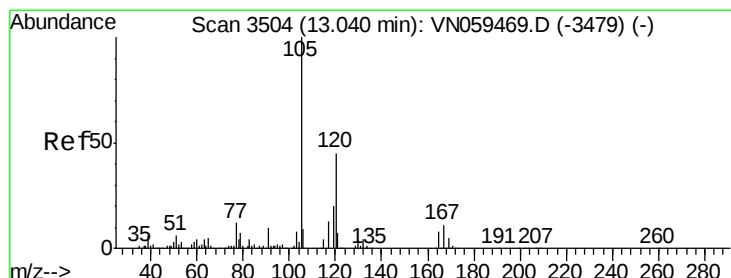
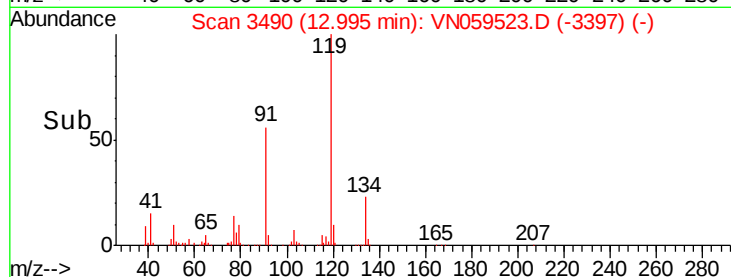
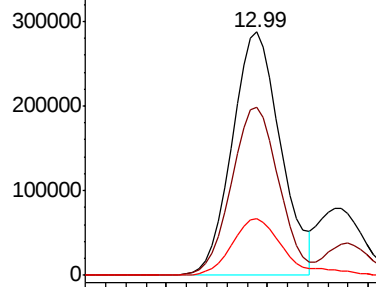
#83
tert-Butylbenzene
Concen: 47.714 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	32.6	97.7
134	24.9	12.6	37.6

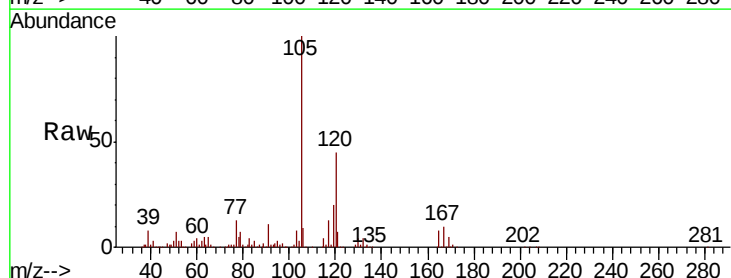


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

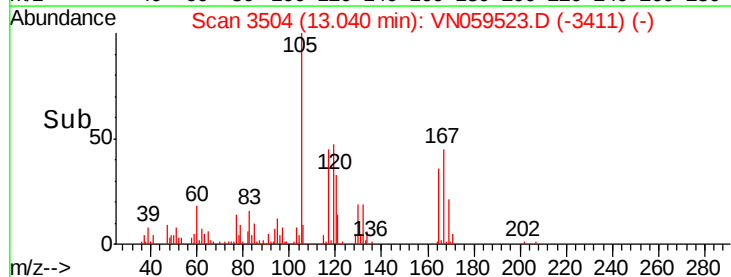
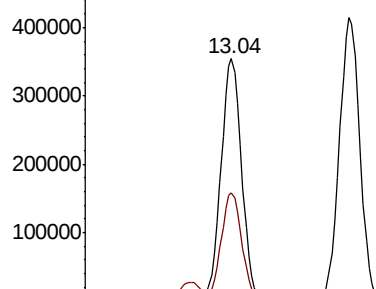


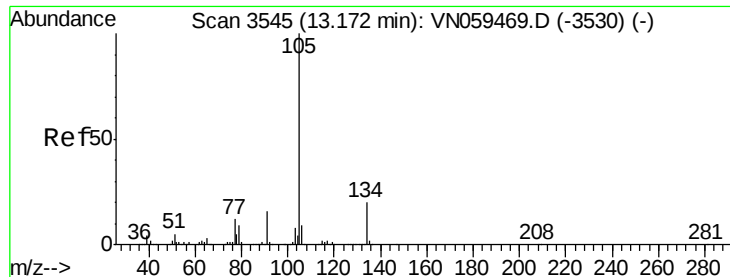
#84
1,2,4-Trimethylbenzene
Concen: 50.313 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.6	67.8



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





#85

sec-Butylbenzene

Concen: 49.233 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

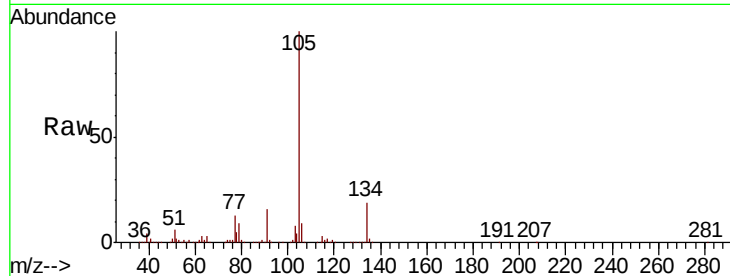
ClientSampled :

Tot Ion:105 Resp: 656916

Ion Ratio Lower Upper

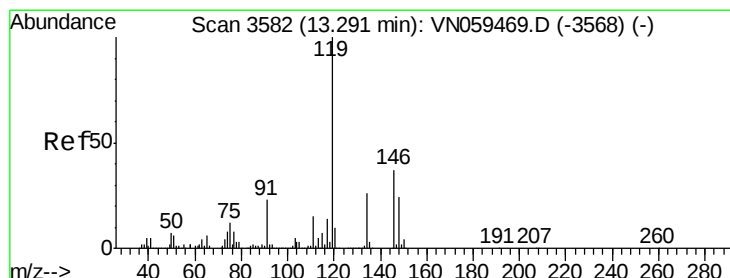
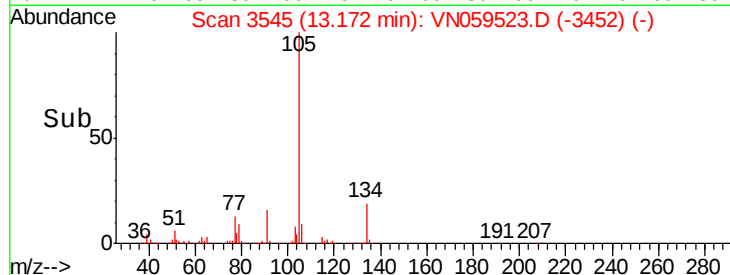
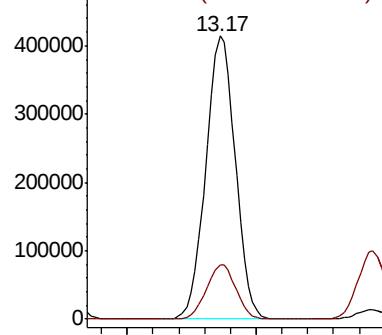
105 100

134 19.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.289 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

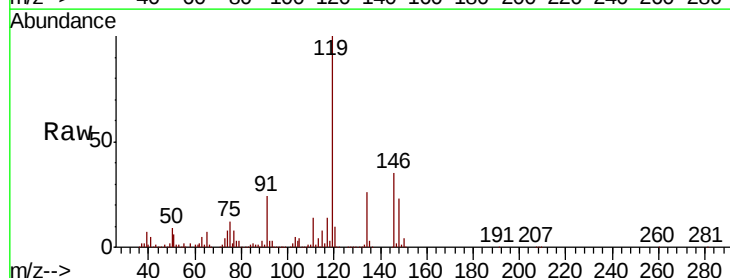
Tgt Ion:119 Resp: 589344

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

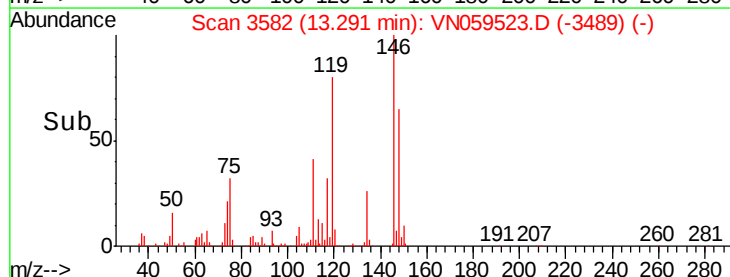
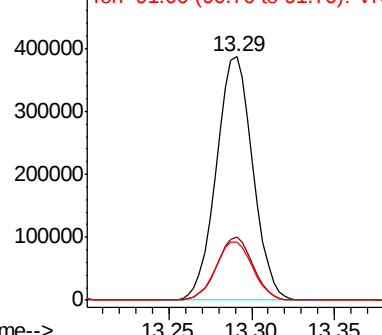
91 24.3 11.7 35.1

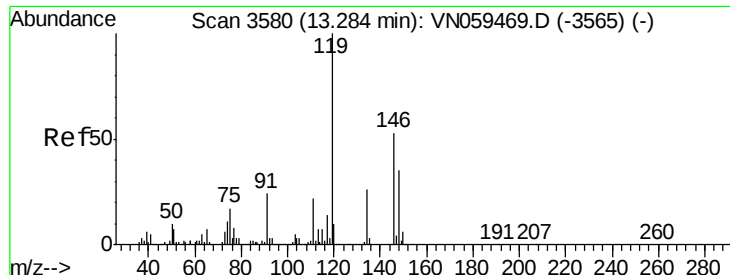


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

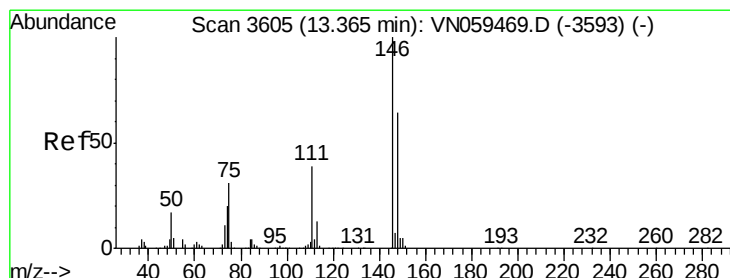
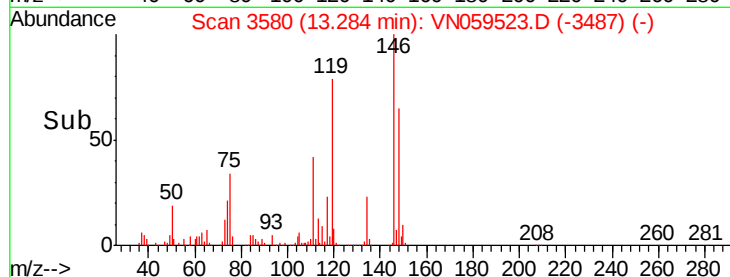
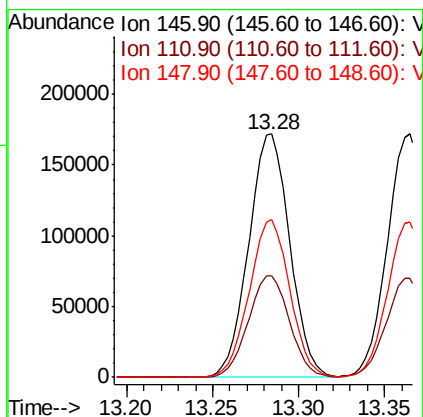
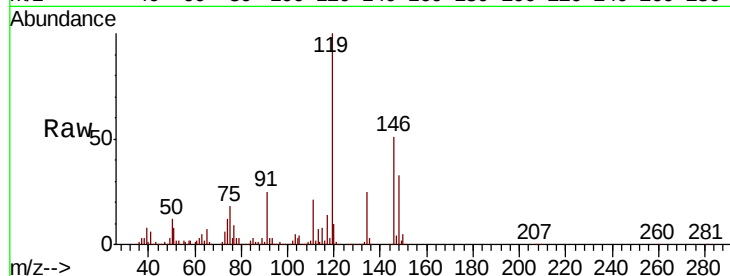




#87
 1,3-Dichlorobenzene
 Concen: 46.636 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

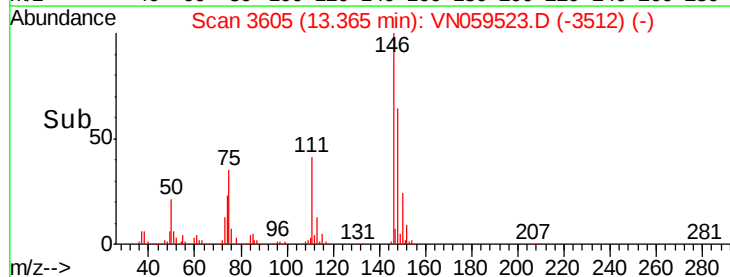
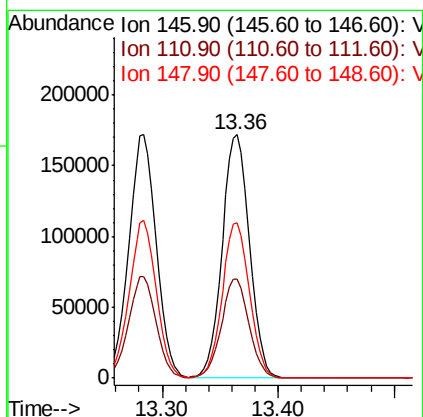
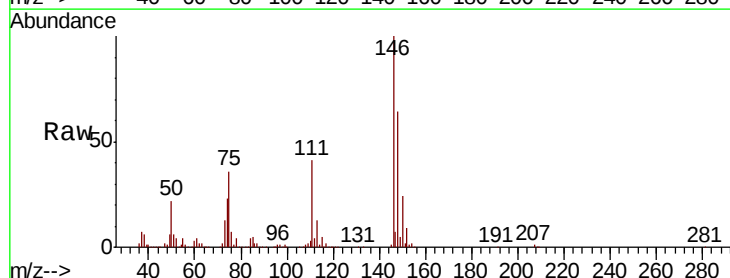
Instrument :
 MSVOA_N
 ClientSampled :

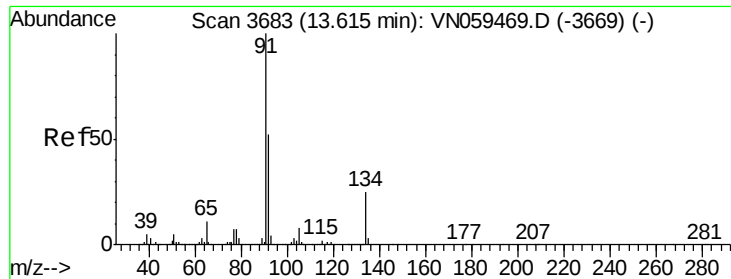
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.3
148	64.0	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 45.741 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.3
148	63.5	32.0	96.0

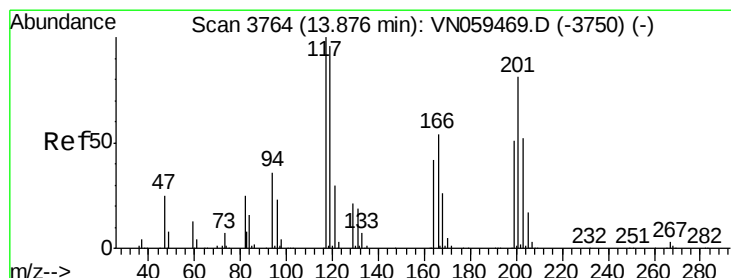
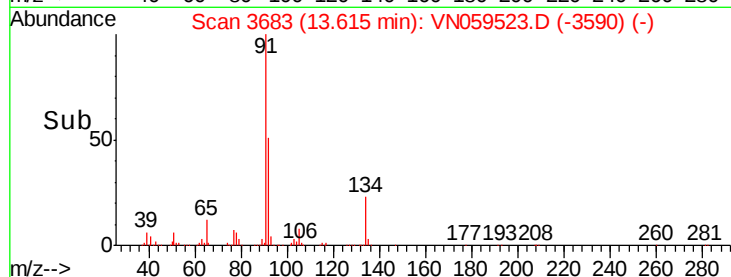
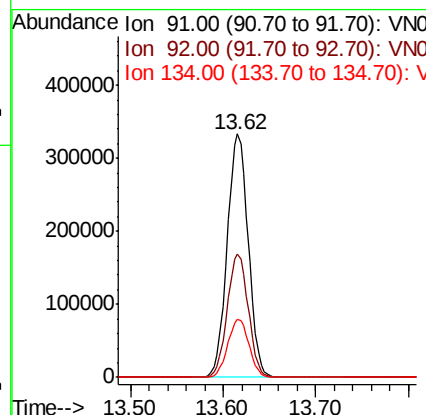
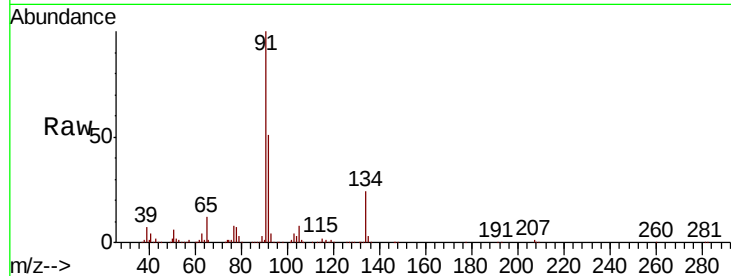




#89
n-Butylbenzene
Concen: 48.905 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

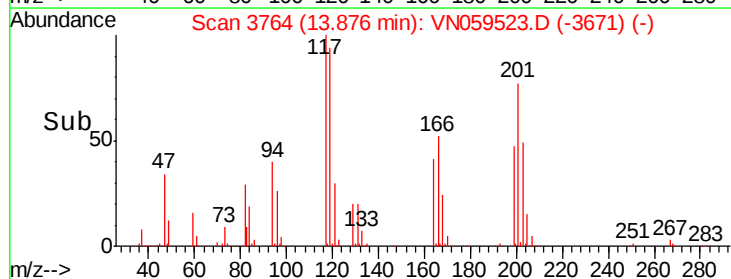
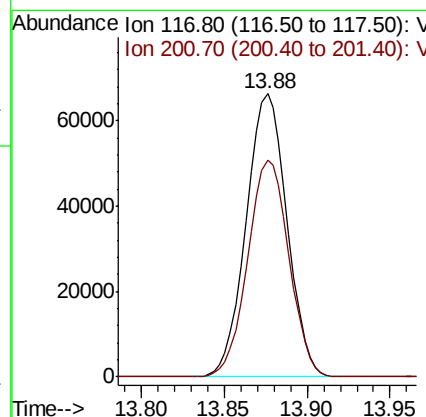
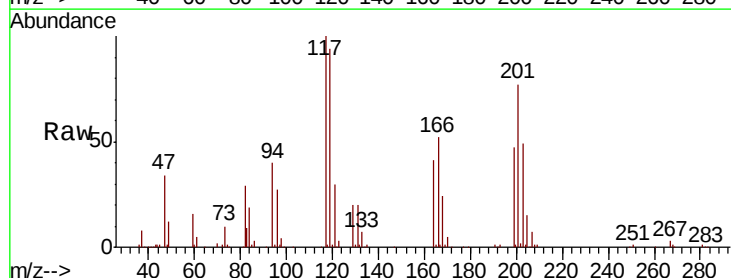
Instrument :
MSVOA_N
ClientSampled :

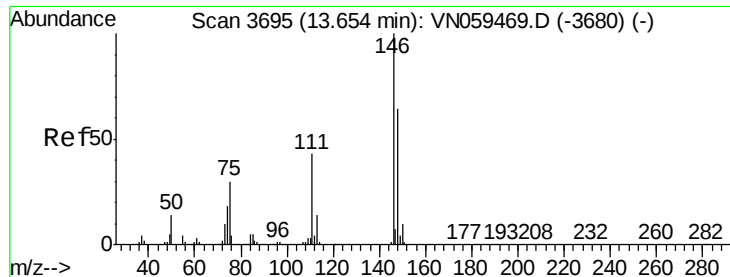
Tot Ion: 91 Resp: 523901
Ion Ratio Lower Upper
91 100
92 50.6 25.9 77.8
134 24.2 12.6 37.6



#90
Hexachloroethane
Concen: 49.204 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059523.D
Acq: 6 Dec 2019 18:11

Tgt Ion: 117 Resp: 113471
Ion Ratio Lower Upper
117 100
201 77.2 40.6 122.0

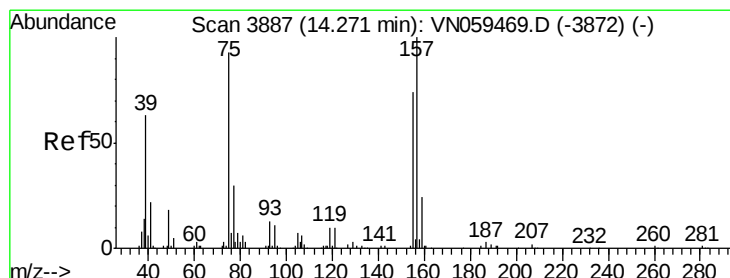
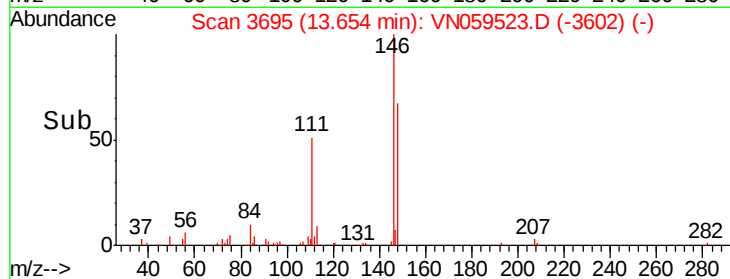
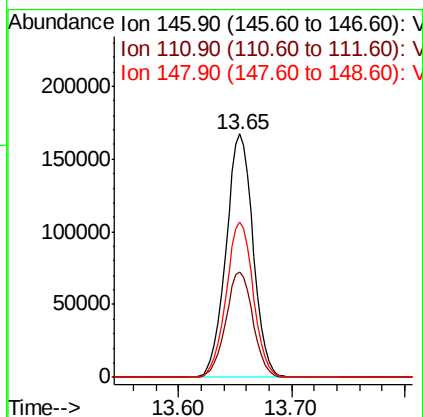
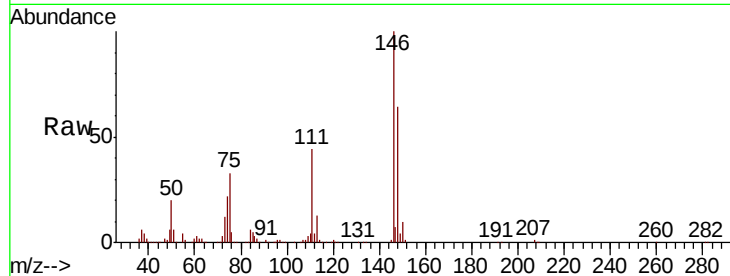




#91
 1,2-Dichlorobenzene
 Concen: 47.380 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

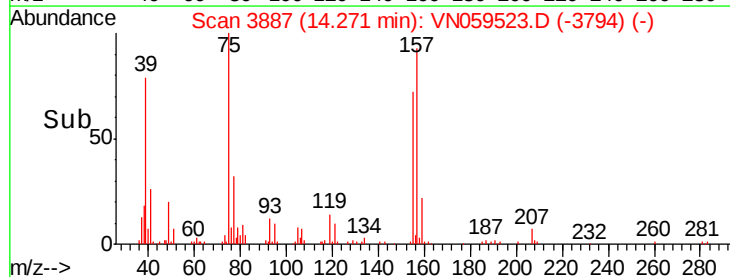
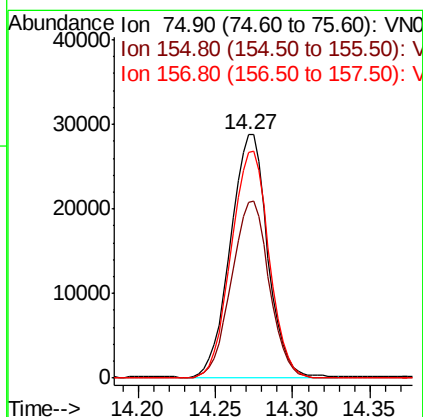
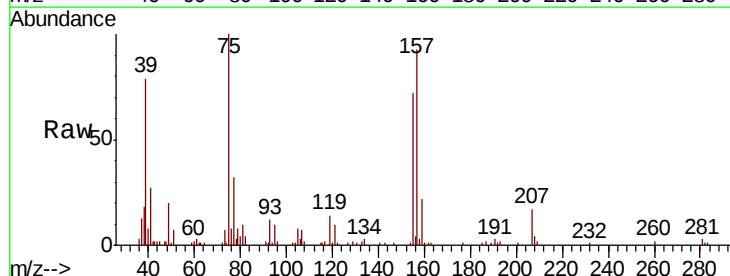
Instrument :
 MSVOA_N
 ClientSampleId :

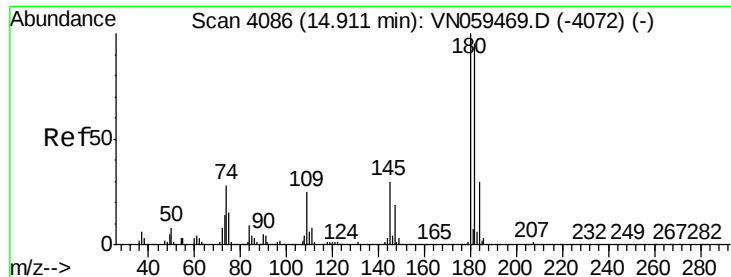
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	63.7
148	63.9	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.799 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	40.6	122.0
157	94.1	52.9	158.7

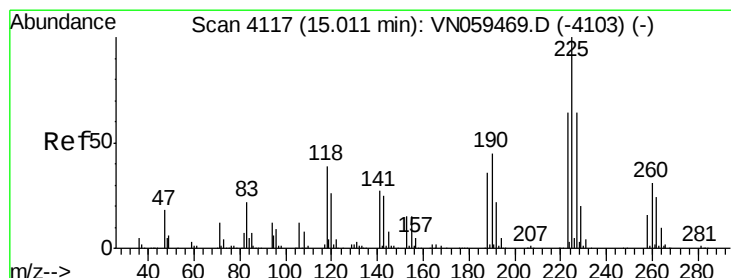
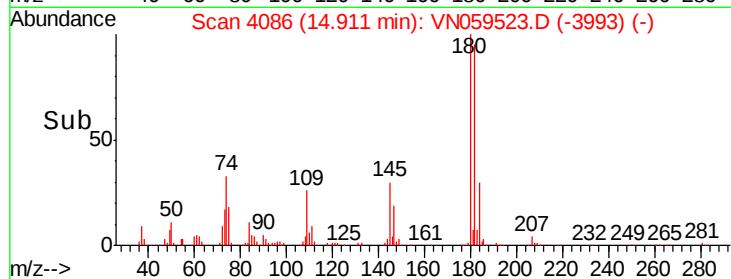
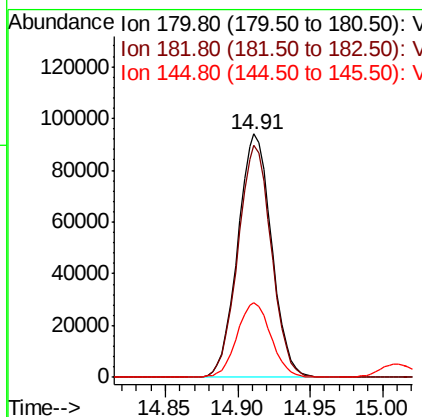
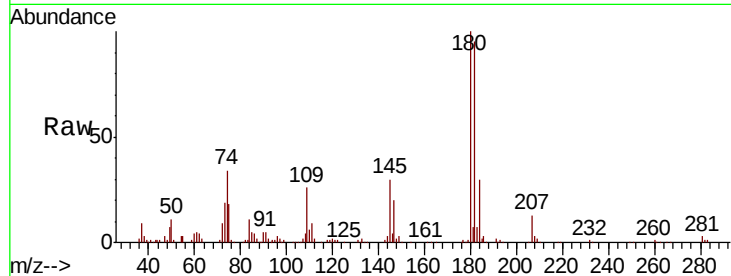




#93
 1,2,4-Trichlorobenzene
 Concen: 42.516 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

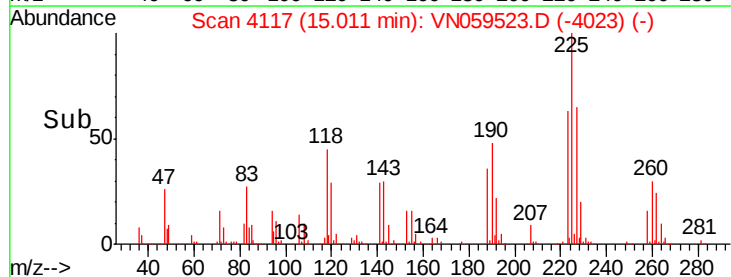
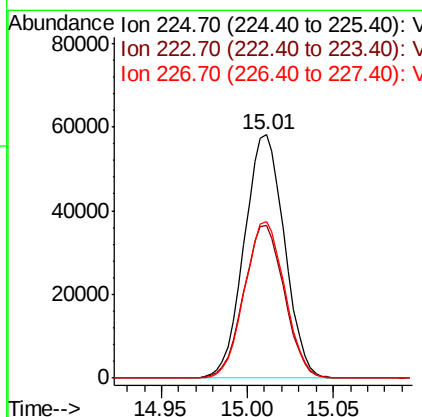
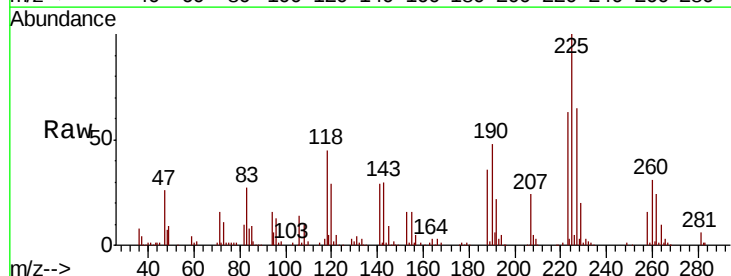
Instrument :
 MSVOA_N
 ClientSampled :

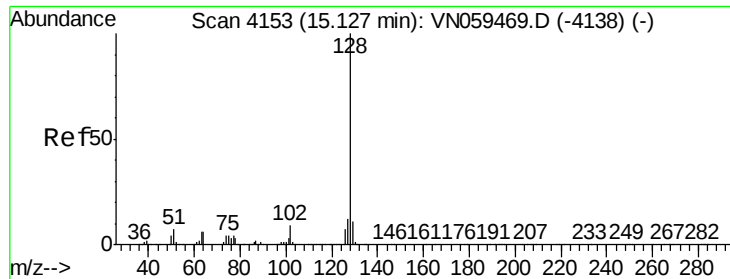
Tot Ion:180 Resp: 152119
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.0 144.2
 145 30.8 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 46.589 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059523.D
 Acq: 6 Dec 2019 18:11

Tgt Ion:225 Resp: 94482
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.5
 227 64.1 32.0 96.2





#95

Naphthalene

Concen: 40.731 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

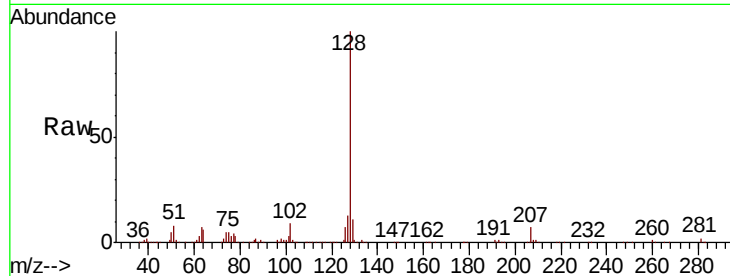
Tot Ion:128 Resp: 396842

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

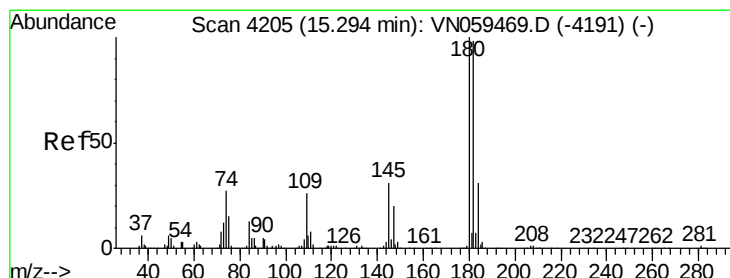
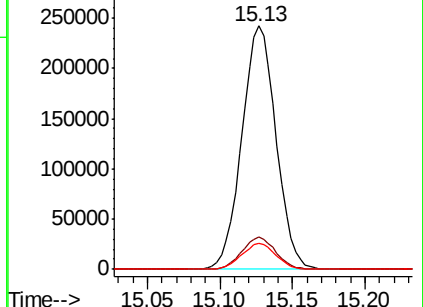
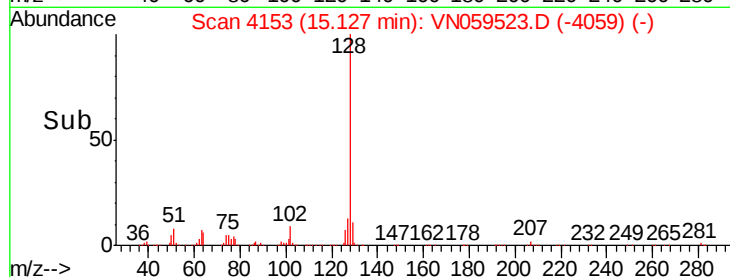
129 10.7 8.8 13.2



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: 41.693 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059523.D

Acq: 6 Dec 2019 18:11

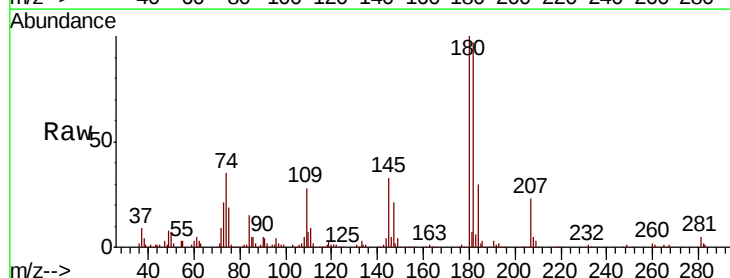
Tgt Ion:180 Resp: 148636

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.5

145 32.6 16.1 48.2



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

