

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059301.D
 Acq On : 19 Nov 2019 12:45
 Operator : JC/SP
 Sample : VN1119MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:44:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	382256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	597017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	530207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	217308	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
35) Dibromofluoromethane	7.57	113	181278	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.08	98	665486	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	12.40	95	241993	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	114835	29.816	ug/l	100
3) Chloromethane	2.04	50	131332	25.086	ug/l	99
4) Vinyl Chloride	2.17	62	140303	27.642	ug/l	100
5) Bromomethane	2.54	94	75199	25.745	ug/l	100
6) Chloroethane	2.68	64	71923	23.954	ug/l	98
7) Trichlorofluoromethane	3.00	101	135636	22.341	ug/l	100
8) Diethyl Ether	3.39	74	58480	23.706	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	87909	24.015	ug/l	97
10) Methyl Iodide	3.93	142	99100	21.871	ug/l	99
11) Tert butyl alcohol	4.75	59	102185	114.108	ug/l	100
12) 1,1-Dichloroethene	3.71	96	85394	23.948	ug/l	98
13) Acrolein	3.58	56	39506	85.565	ug/l	97
14) Allyl chloride	4.29	41	160634	21.930	ug/l	99
15) Acrylonitrile	4.95	53	251262	112.743	ug/l	98
16) Acetone	3.79	43	208674	85.399	ug/l	100
17) Carbon Disulfide	4.03	76	273607	24.718	ug/l	100
18) Methyl Acetate	4.30	43	146654	25.285	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	285703	23.272	ug/l	100
20) Methylene Chloride	4.52	84	96255	22.611	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	92319	24.119	ug/l	95
22) Diisopropyl ether	5.92	45	310741	22.460	ug/l	93
23) Vinyl Acetate	5.87	43	1237583	115.418	ug/l	99
24) 1,1-Dichloroethane	5.82	63	176557	22.848	ug/l	98
25) 2-Butanone	6.81	43	331649	102.983	ug/l	100
26) 2,2-Dichloropropane	6.80	77	146737	21.717	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	103225	23.246	ug/l	98
28) Bromochloromethane	7.17	49	41712	17.942	ug/l	95
29) Tetrahydrofuran	7.19	42	233426	114.075	ug/l	98
30) Chloroform	7.35	83	169406	22.853	ug/l	99
31) Cyclohexane	7.63	56	168015	22.967	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	144794	23.233	ug/l	99
36) 1,1-Dichloropropene	7.77	75	132347	23.717	ug/l	100
37) Ethyl Acetate	6.91	43	140238	22.590	ug/l	99
38) Carbon Tetrachloride	7.75	117	126615	22.796	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	158332	24.447	ug/l	98
40) Benzene	8.02	78	394692	23.487	ug/l	98
41) Methacrylonitrile	7.19	41	198982	73.711	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	129445	22.460	ug/l	100
43) Isopropyl Acetate	8.15	43	217581	21.984	ug/l	98
44) Trichloroethene	8.82	130	97639	23.637	ug/l	100
45) 1,2-Dichloropropane	9.10	63	104108	22.809	ug/l	99
46) Dibromomethane	9.19	93	64758	22.768	ug/l	98
47) Bromodichloromethane	9.39	83	126063	22.196	ug/l	97
48) Methyl methacrylate	9.19	41	95931	21.670	ug/l	97
49) 1,4-Dioxane	9.18	88	36681	466.244	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	668481	119.371	ug/l	99
52) Toluene	10.15	92	238323	23.662	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	146336	22.301	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	160156	22.690	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	92038	22.579	ug/l	99
56) Ethyl methacrylate	10.42	69	138489	21.480	ug/l	98
57) 1,3-Dichloropropane	10.70	76	160577	22.888	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	241915	106.639	ug/l	99
59) 2-Hexanone	10.75	43	487112	113.327	ug/l	98
60) Dibromochloromethane	10.90	129	95574	22.176	ug/l	99
61) 1,2-Dibromoethane	11.00	107	95810	23.218	ug/l	99
64) Tetrachloroethene	10.63	164	85165	23.622	ug/l	98
65) Chlorobenzene	11.43	112	246226	23.823	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89914	23.190	ug/l	98
67) Ethyl Benzene	11.51	91	445341	24.285	ug/l	99
68) m/p-Xylenes	11.62	106	332875	48.459	ug/l	100
69) o-Xylene	11.95	106	158283	23.843	ug/l	100
70) Styrene	11.96	104	245040	23.470	ug/l	99
71) Bromoform	12.13	173	67316	22.321	ug/l #	100
73) Isopropylbenzene	12.25	105	426451	24.826	ug/l	100
74) N-amyl acetate	12.07	43	164525	22.603	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	138671	23.705	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	179348	33.359	ug/l #	100
77) Bromobenzene	12.53	156	100736	23.342	ug/l	100
78) n-propylbenzene	12.59	91	483106	24.563	ug/l	99
79) 2-Chlorotoluene	12.67	91	293876	24.086	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	358627	24.639	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45292	22.251	ug/l	99
82) 4-Chlorotoluene	12.77	91	291379	23.810	ug/l	99
83) tert-Butylbenzene	12.99	119	307373	24.453	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	351767	24.979	ug/l	99
85) sec-Butylbenzene	13.17	105	405533	24.807	ug/l	99
86) p-Isopropyltoluene	13.29	119	359941	24.936	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	174103	23.558	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	169794	22.963	ug/l	99
89) n-Butylbenzene	13.62	91	296346	23.457	ug/l	100
90) Hexachloroethane	13.88	117	66145	22.821	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	171965	23.654	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27290	23.397	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	89422	22.085	ug/l	98
94) Hexachlorobutadiene	15.01	225	61469	24.522	ug/l	99
95) Naphthalene	15.13	128	240826	21.526	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	91557	22.472	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

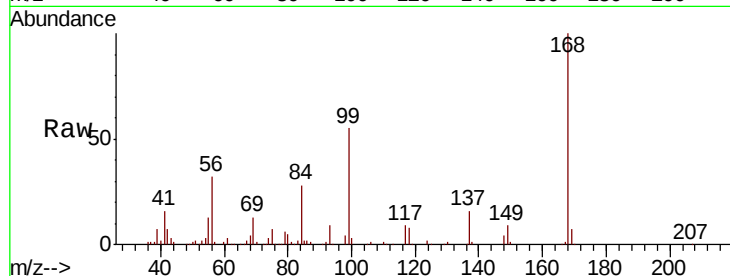
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 382256

Ion Ratio Lower Upper

168 100

99 54.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

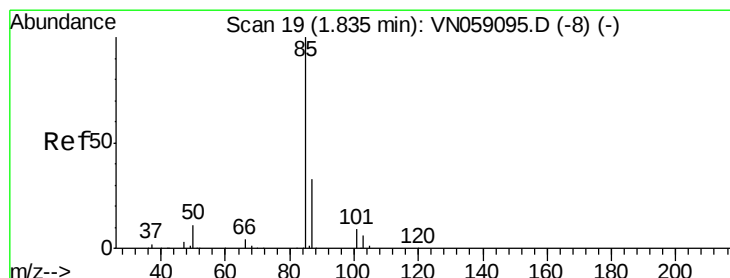
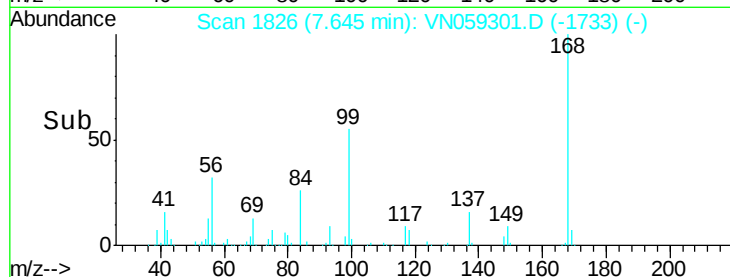
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 29.816 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059301.D

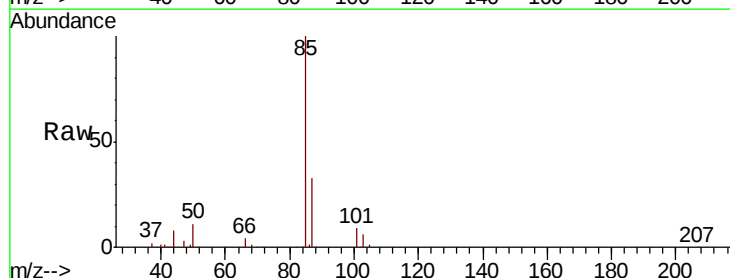
Acq: 19 Nov 2019 12:45

Tgt Ion: 85 Resp: 114835

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

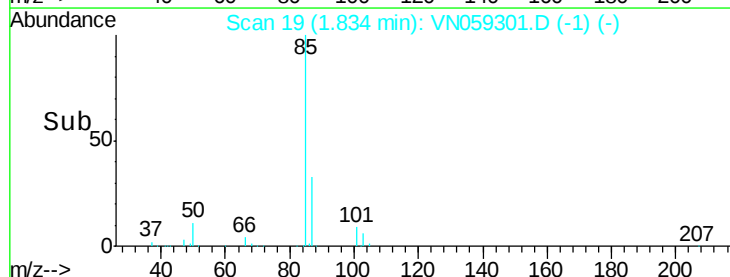
40000

20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 25.086 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

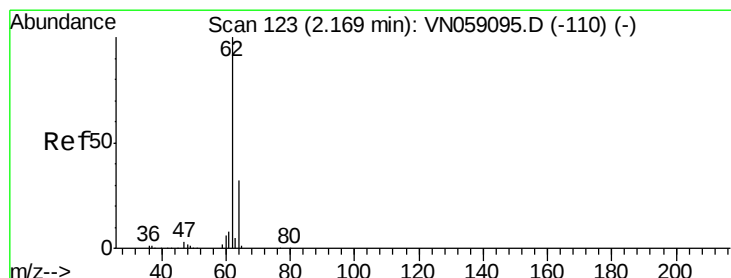
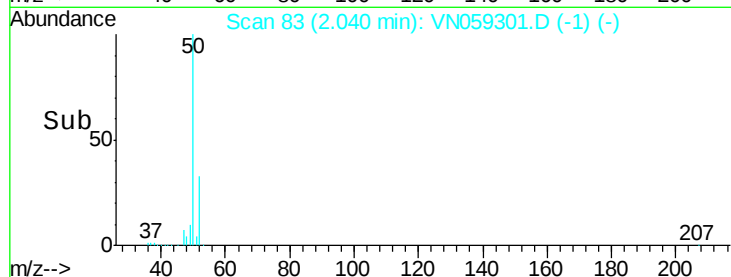
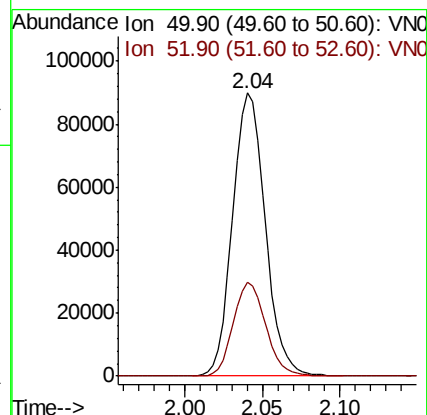
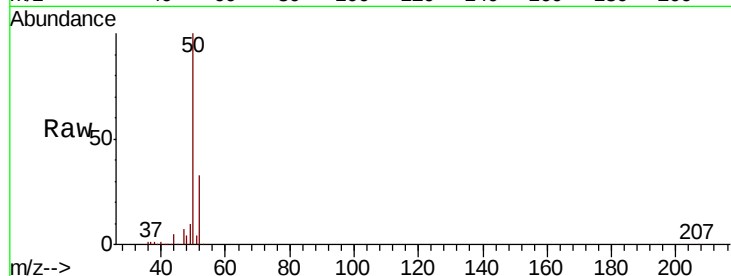
ClientSampled :

Tot Ion: 50 Resp: 131332

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 27.642 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059301.D

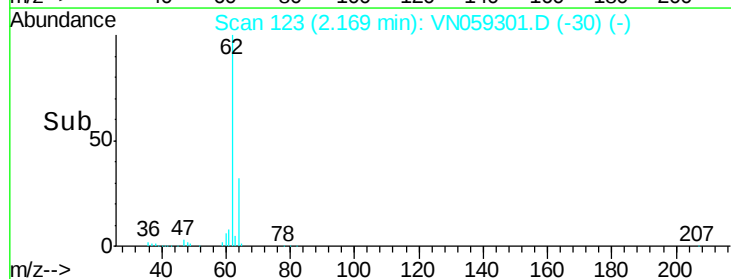
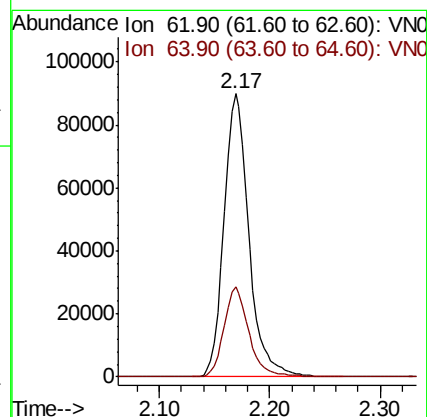
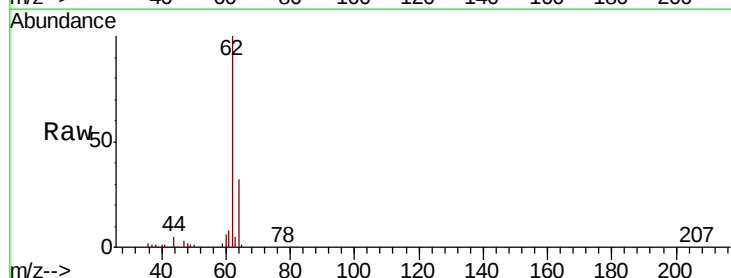
Acq: 19 Nov 2019 12:45

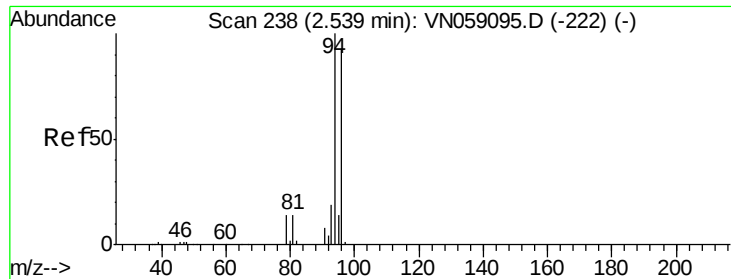
Tgt Ion: 62 Resp: 140303

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 25.745 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

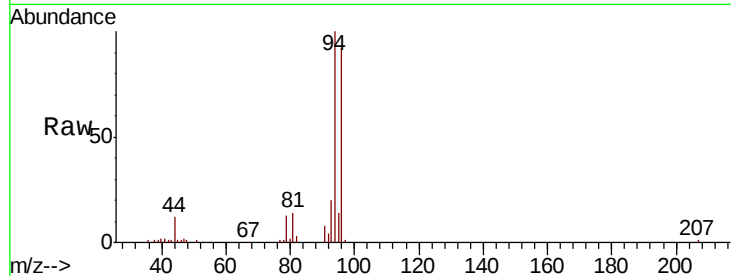
ClientSampleId :

Tot Ion: 94 Resp: 75199

Ion Ratio Lower Upper

94 100

96 92.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

40000

30000

20000

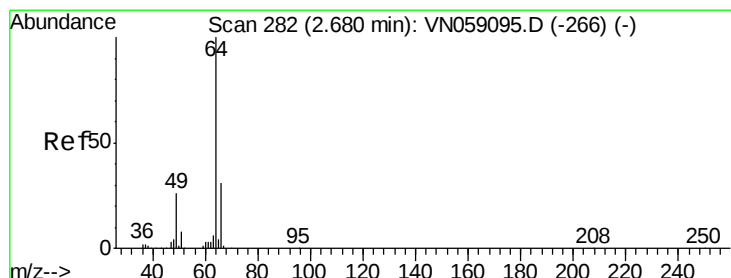
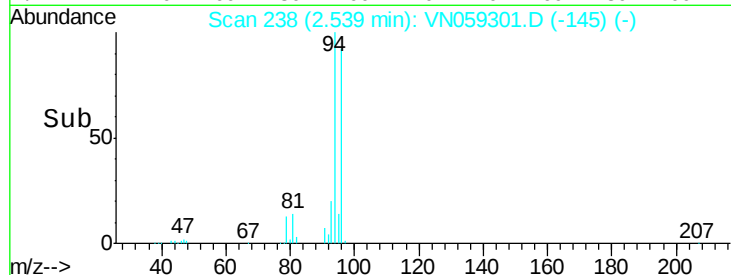
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0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 23.954 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059301.D

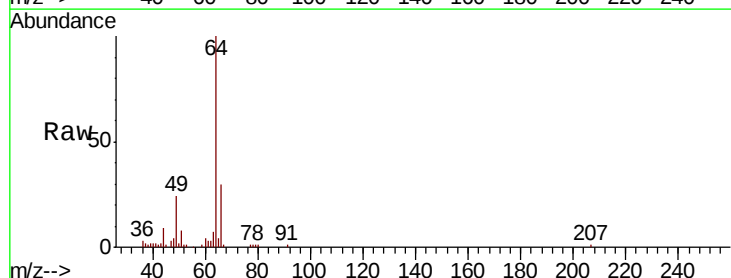
Acq: 19 Nov 2019 12:45

Tgt Ion: 64 Resp: 71923

Ion Ratio Lower Upper

64 100

66 30.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

30000

20000

10000

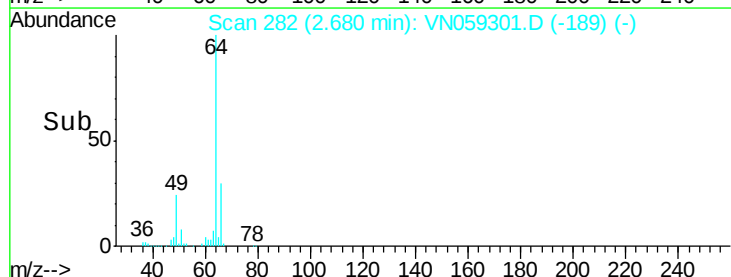
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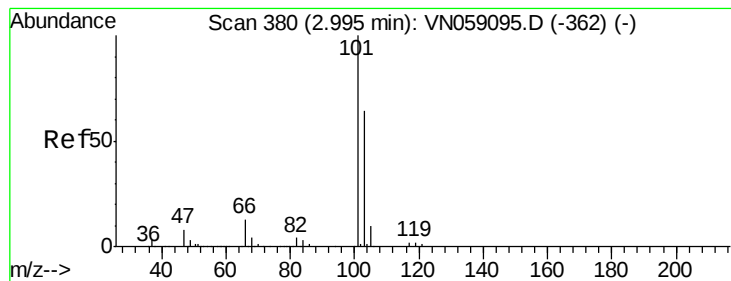
Time-->

2.60

2.70

2.80



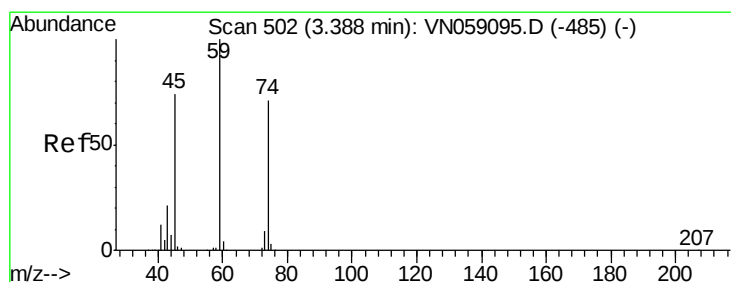
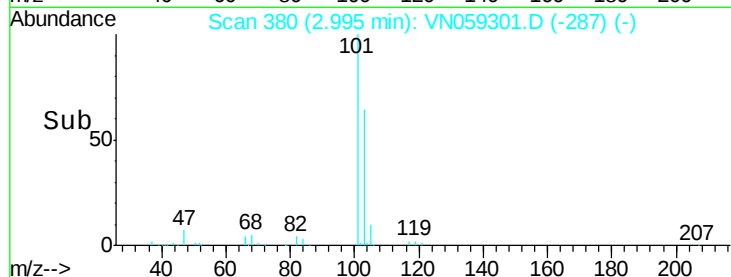
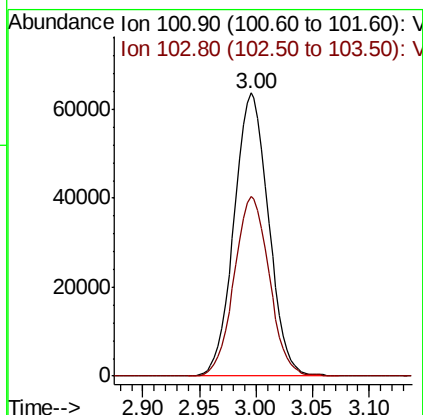
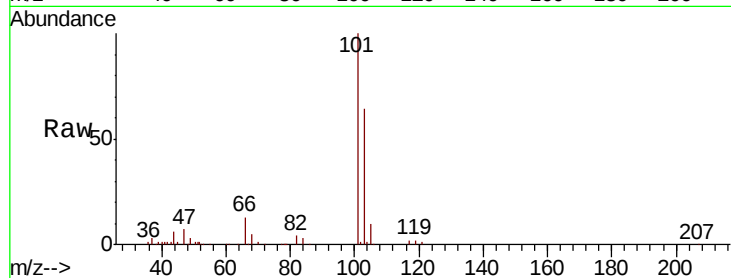


#7

Trichlorofluoromethane
 Concen: 22.341 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Instrument :
 MSVOA_N
 ClientSampled :

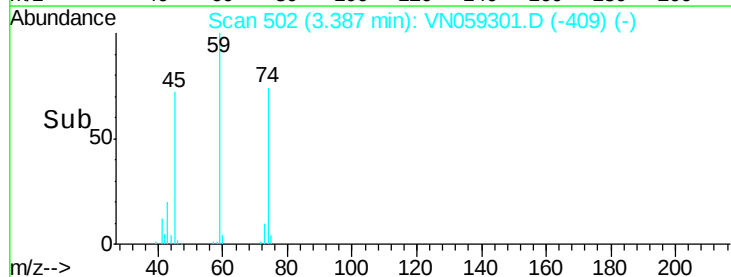
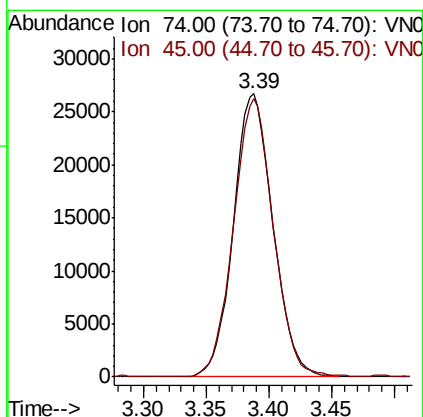
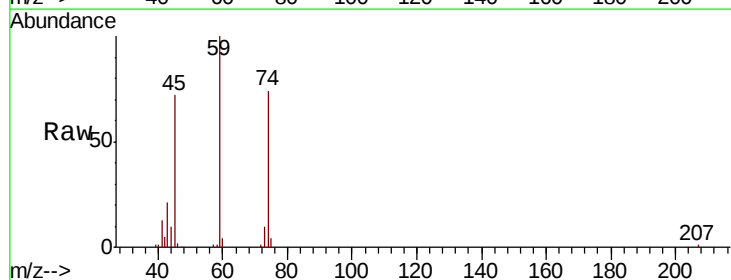
Tot Ion:101 Resp: 135636
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.2 76.8

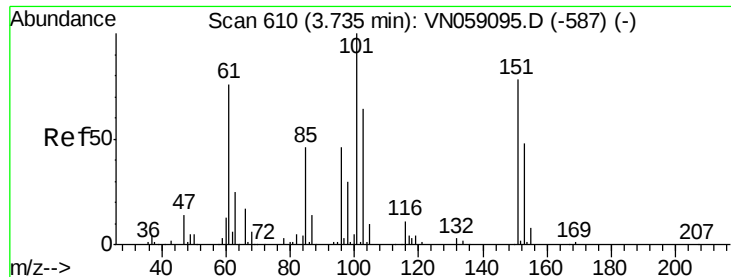


#8

Diethyl Ether
 Concen: 23.706 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Tgt Ion: 74 Resp: 58480
 Ion Ratio Lower Upper
 74 100
 45 99.1 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.015 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

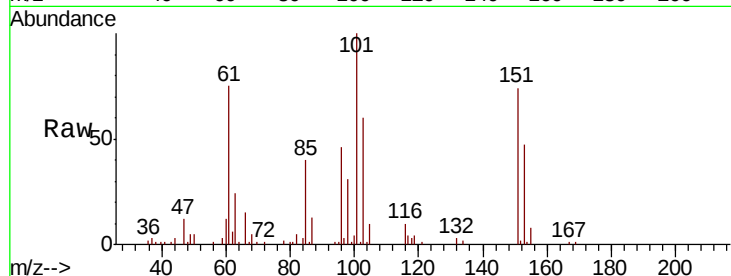
Tot Ion:101 Resp: 87909

Ion Ratio Lower Upper

101 100

85 42.0 35.5 53.3

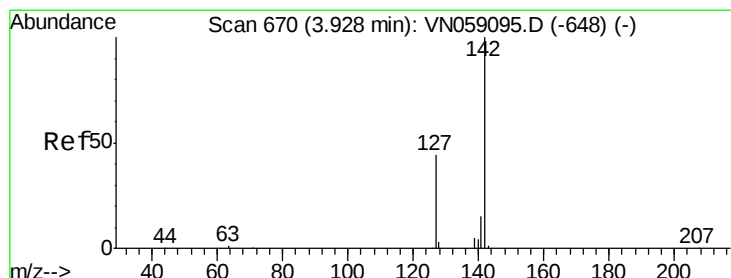
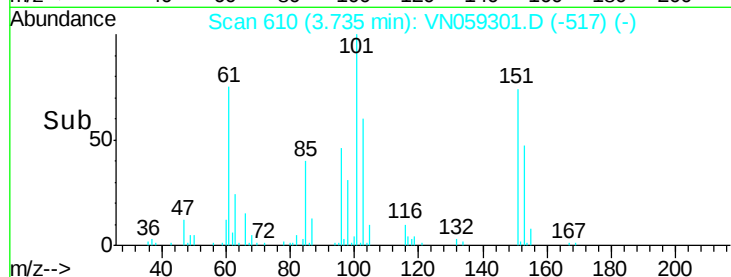
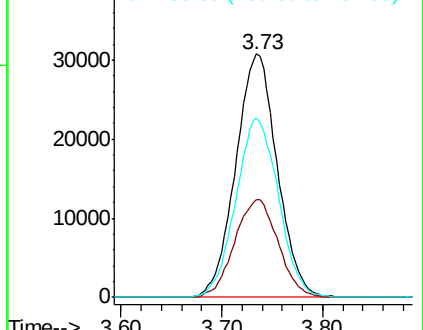
151 75.6 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.871 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

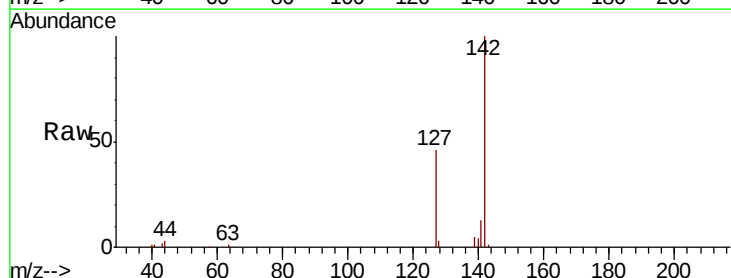
Tgt Ion:142 Resp: 99100

Ion Ratio Lower Upper

142 100

127 42.3 34.2 51.2

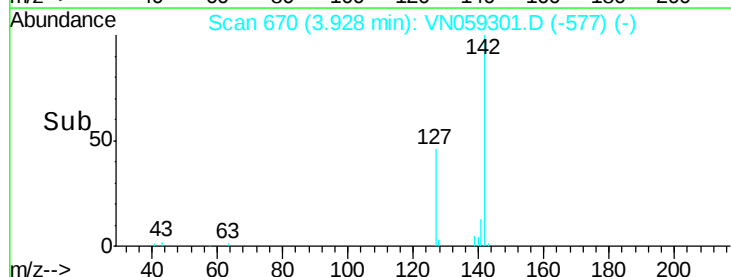
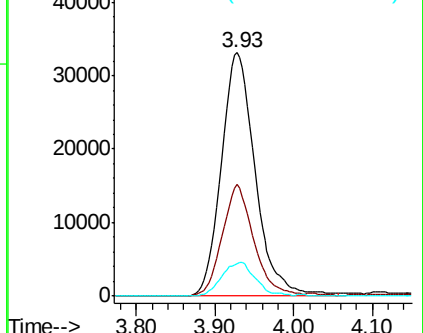
141 13.6 11.4 17.0

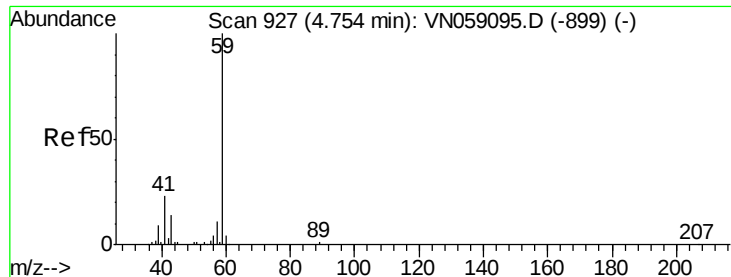


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

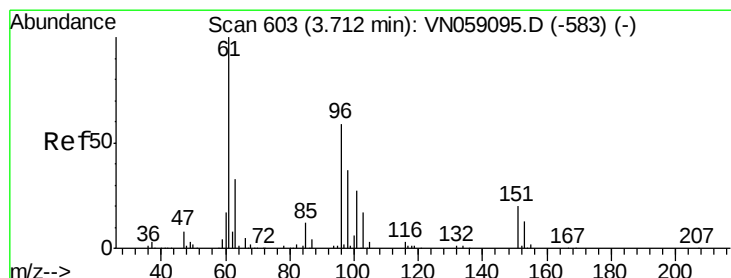
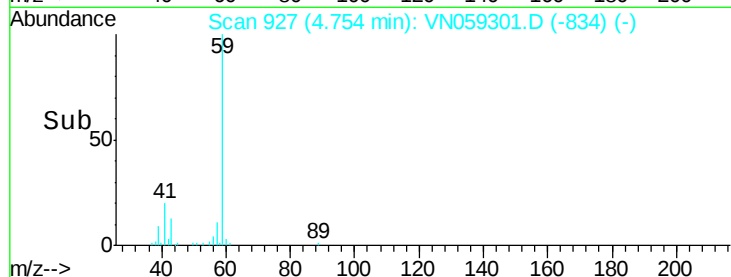
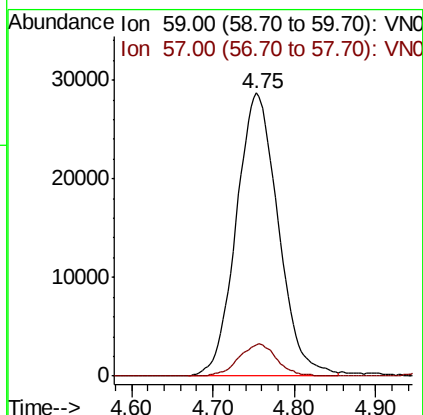
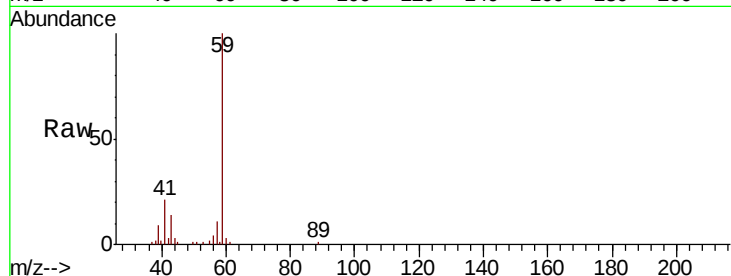




#11
Tert butyl alcohol
Concen: 114.108 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

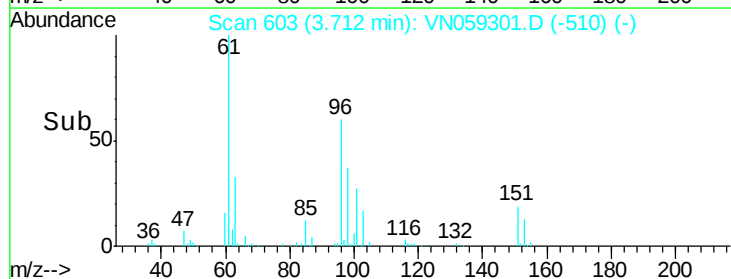
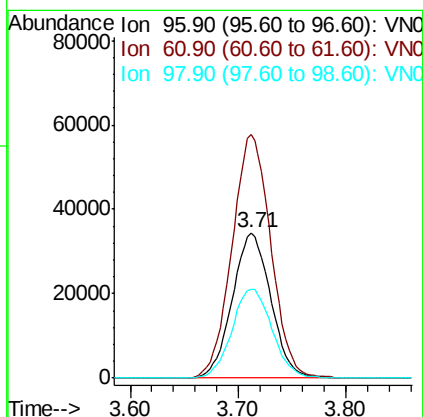
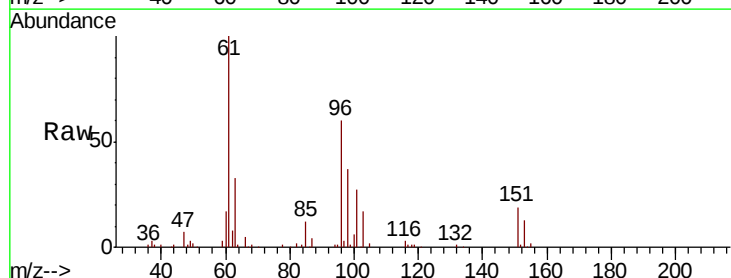
Instrument :
MSVOA_N
ClientSampleId :

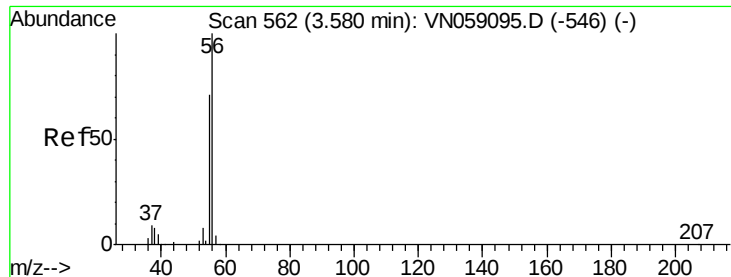
Tot Ion: 59 Resp: 102185
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#12
1,1-Dichloroethene
Concen: 23.948 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 96 Resp: 85394
Ion Ratio Lower Upper
96 100
61 167.6 136.5 204.7
98 61.4 50.2 75.4





#13

Acrolein

Concen: 85.565 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

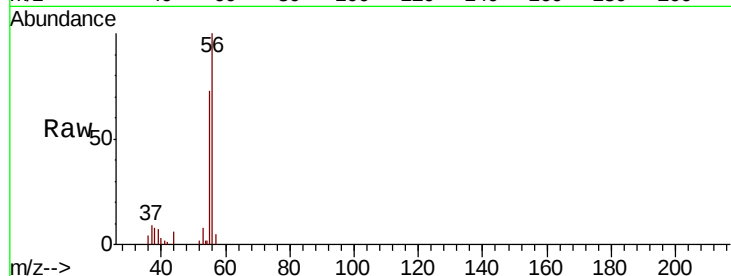
ClientSampled :

Tot Ion: 56 Resp: 39506

Ion Ratio Lower Upper

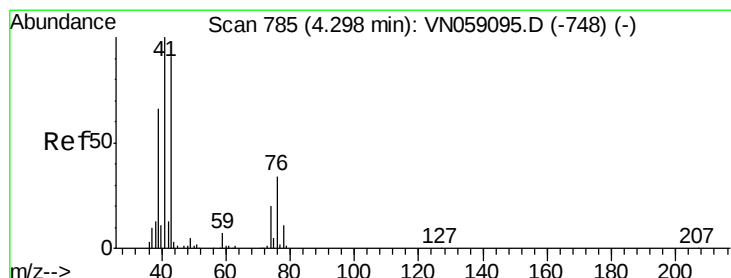
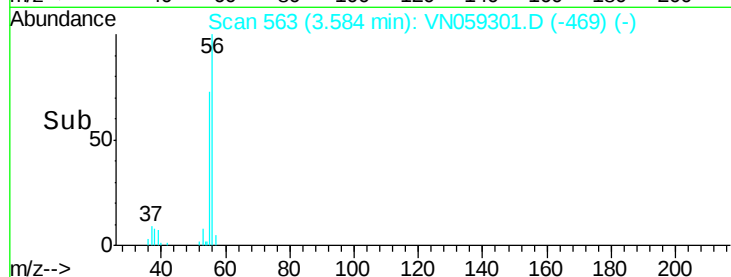
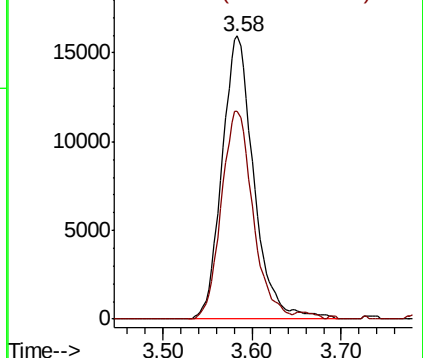
56 100

55 72.8 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.930 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

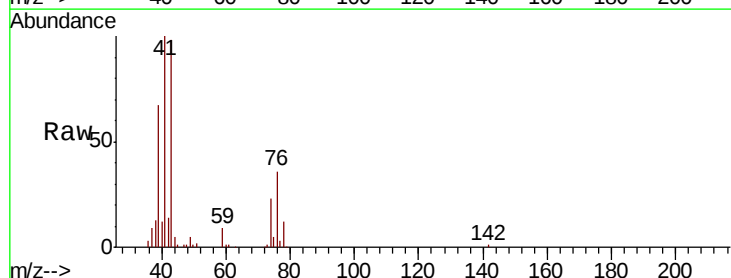
Tgt Ion: 41 Resp: 160634

Ion Ratio Lower Upper

41 100

39 61.6 49.1 73.7

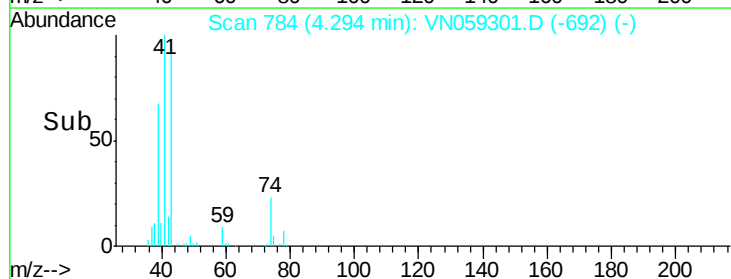
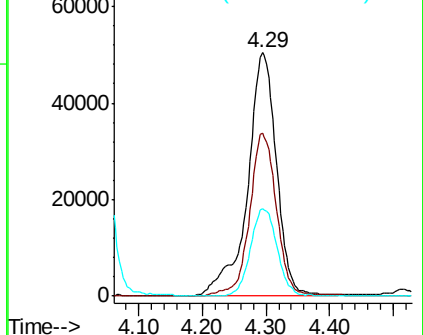
76 32.8 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 112.743 ug/l

RT: 4.95 min Scan# 989

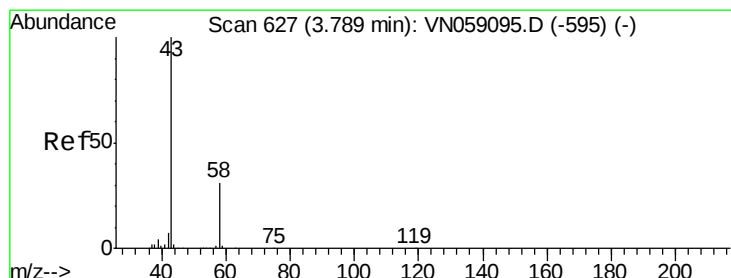
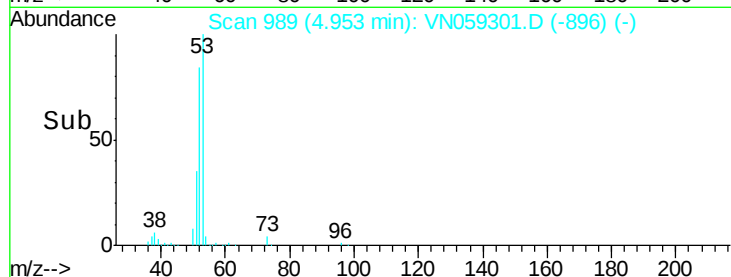
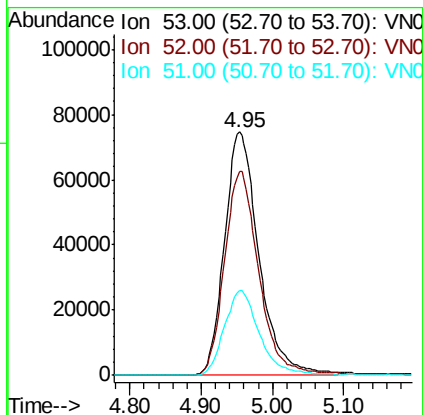
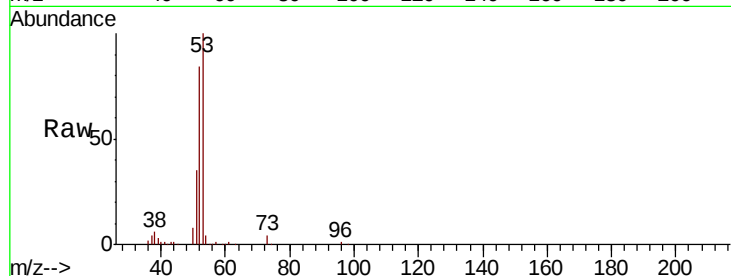
Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	53	Resp:	251262
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.0	97.6
51	35.8	28.0	42.0



#16

Acetone

Concen: 85.399 ug/l

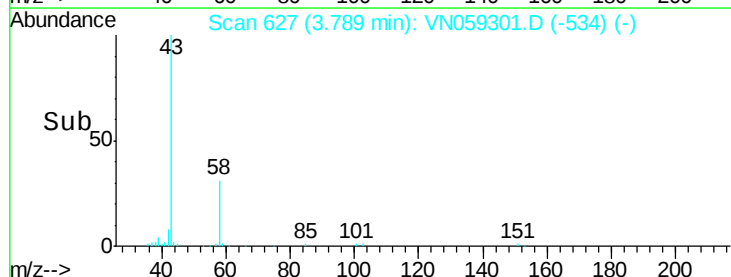
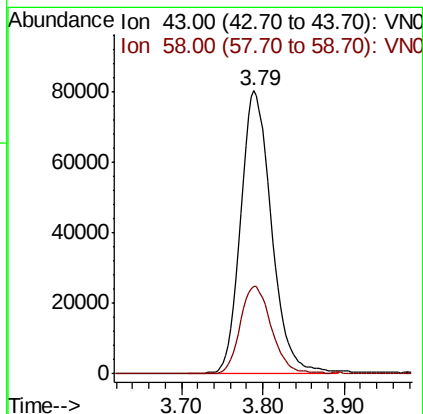
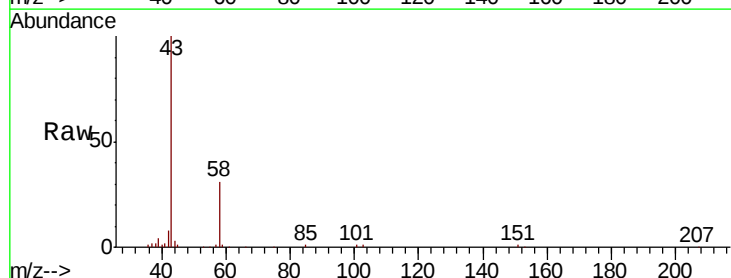
RT: 3.79 min Scan# 627

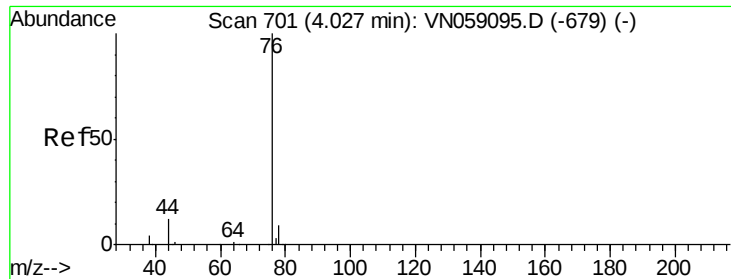
Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion:	43	Resp:	208674
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.9	37.3

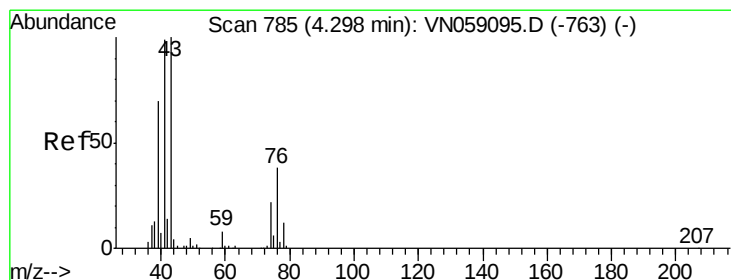
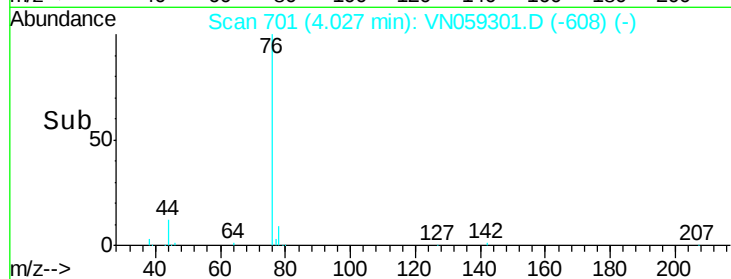
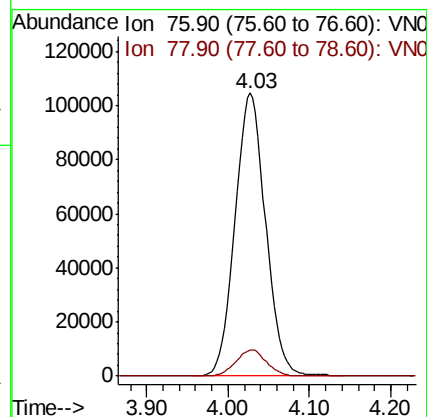
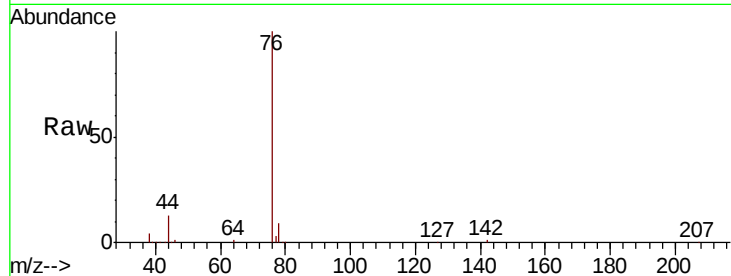




#17
Carbon Disulfide
Concen: 24.718 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

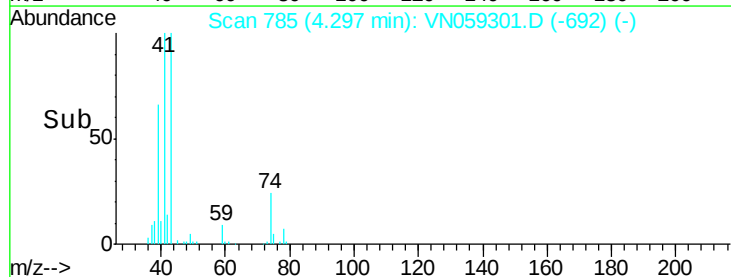
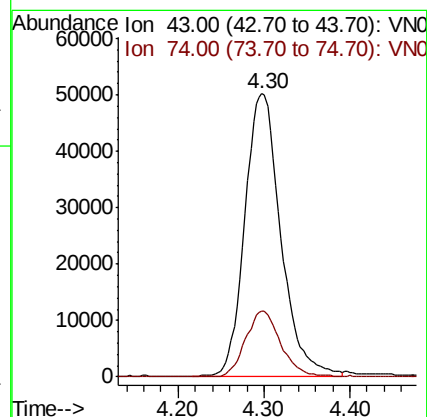
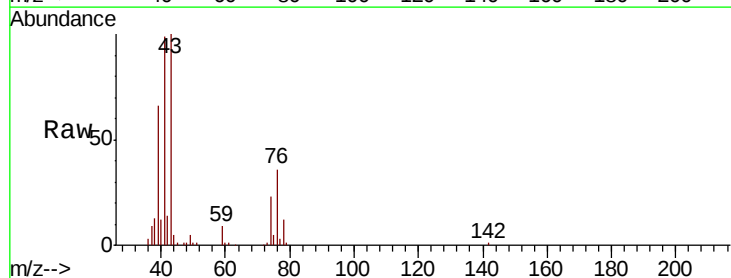
Instrument :
MSVOA_N
ClientSampled :

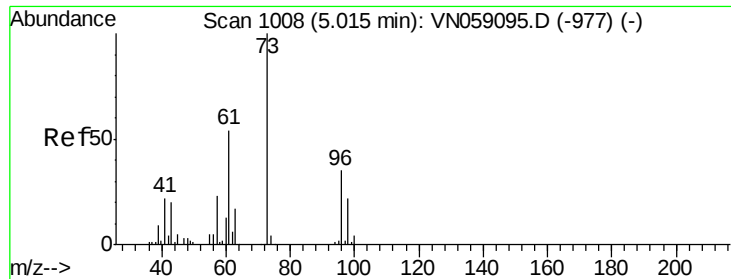
Tot Ion: 76 Resp: 273607
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 25.285 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 43 Resp: 146654
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.8

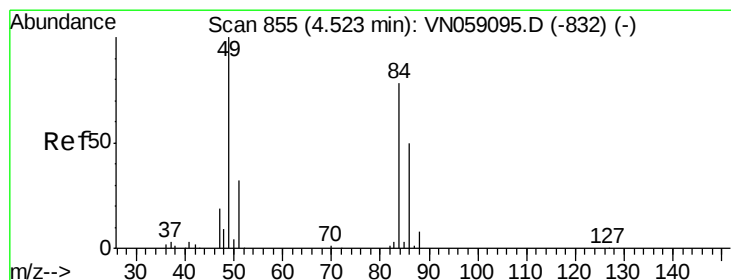
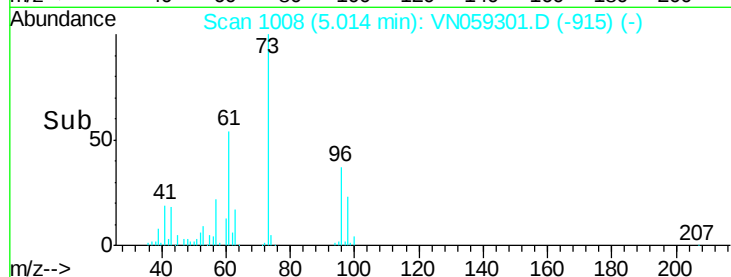
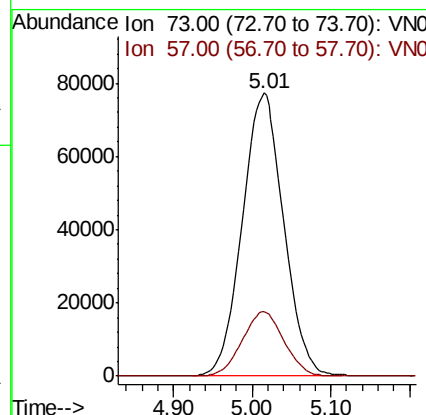
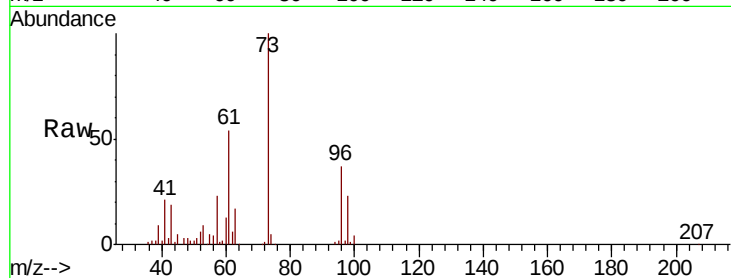




#19
Methvl tert-butvl Ether
Concen: 23.272 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

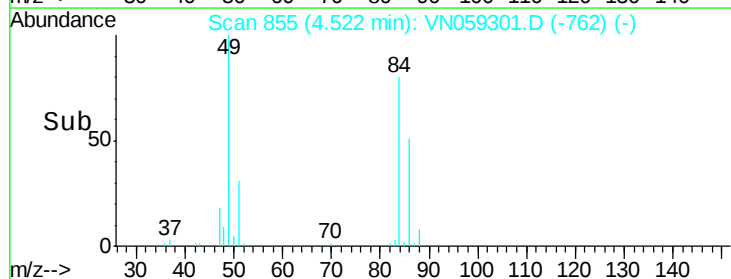
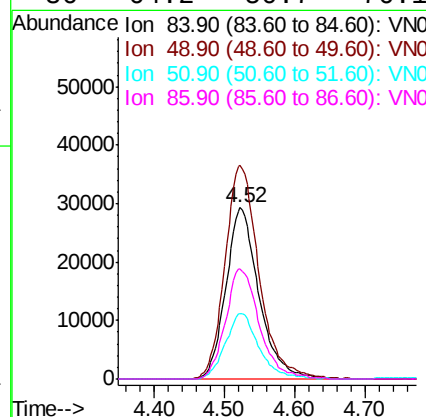
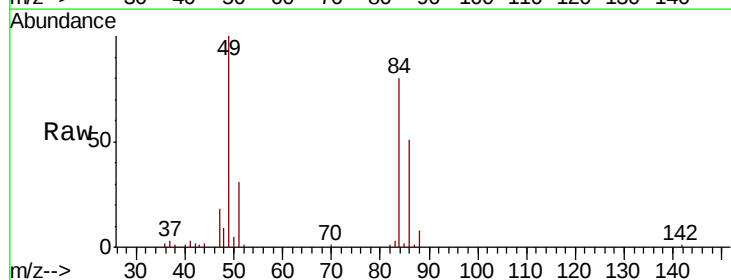
Instrument :
MSVOA_N
ClientSampleId :

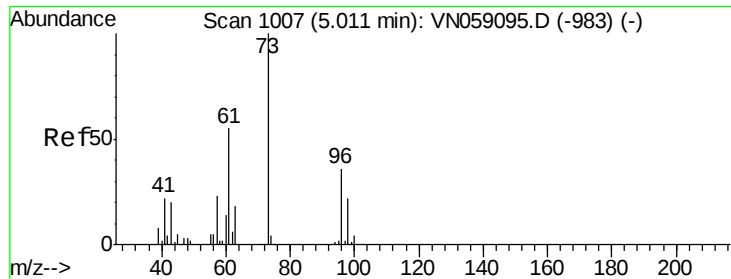
Tot Ion: 73 Resp: 285703
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 22.611 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 84 Resp: 96255
Ion Ratio Lower Upper
84 100
49 125.0 102.0 153.0
51 38.5 32.2 48.2
86 64.2 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 24.119 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

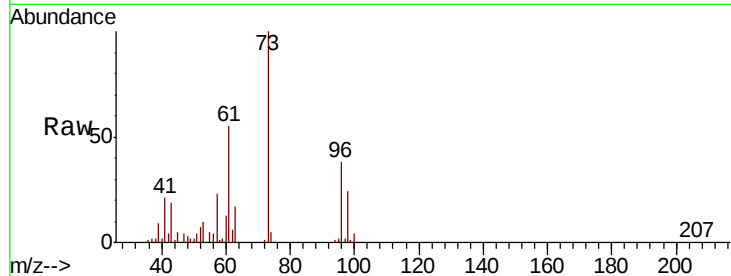
Tot Ion: 96 Resp: 92319

Ion Ratio Lower Upper

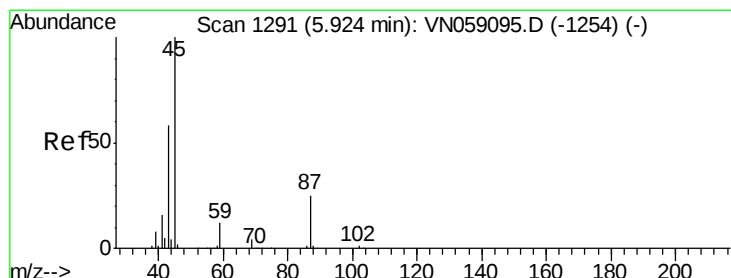
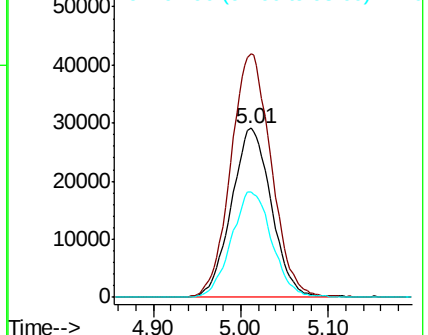
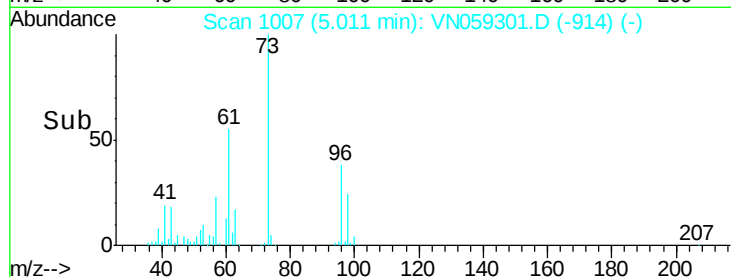
96 100

61 144.2 122.6 183.8

98 62.4 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN059301.D (-914) (-)



#22

Diisopropyl ether

Concen: 22.460 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion: 45 Resp: 310741

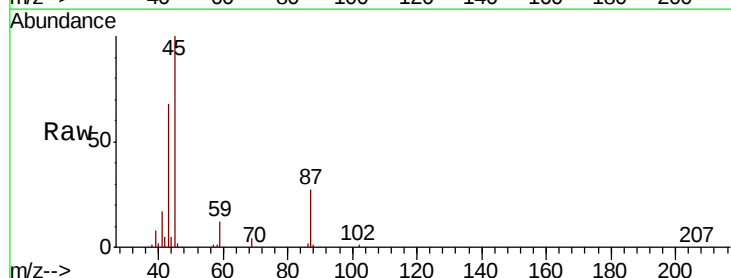
Ion Ratio Lower Upper

45 100

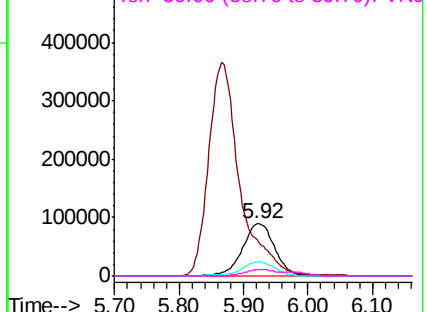
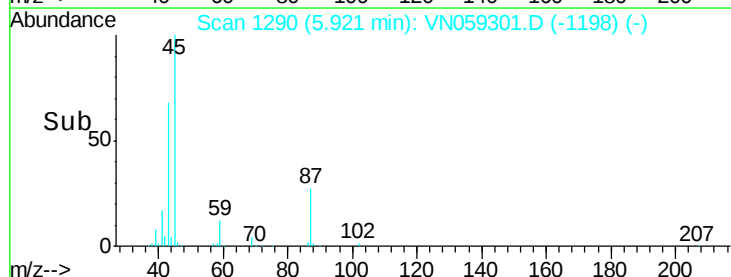
43 66.4 46.7 70.1

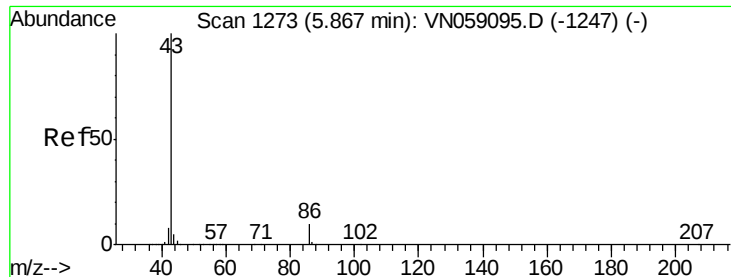
87 26.6 20.5 30.7

59 11.7 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN059301.D (-1198) (-)





#23

Vinyl Acetate

Concen: 115.418 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

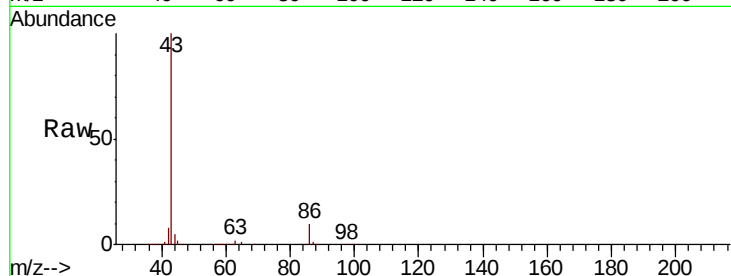
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1237583

Ion Ratio Lower Upper

43 100

86 10.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059301.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059301.D (-1180) (-)

5.87

400000

300000

200000

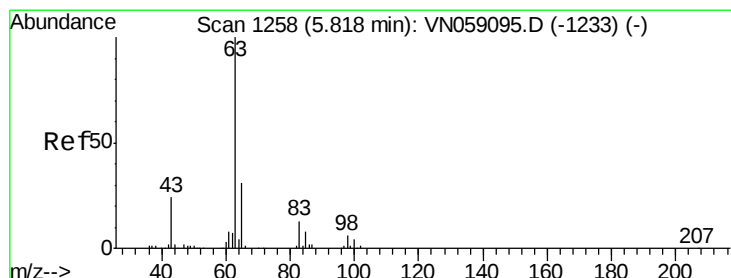
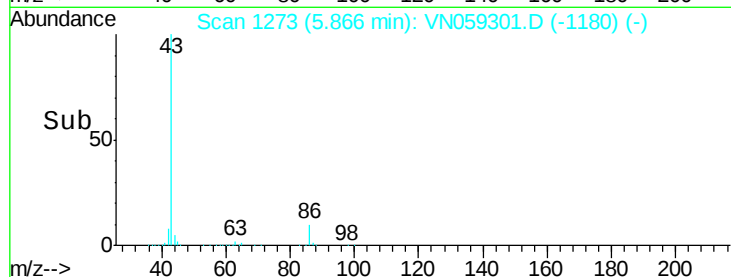
100000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 22.848 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

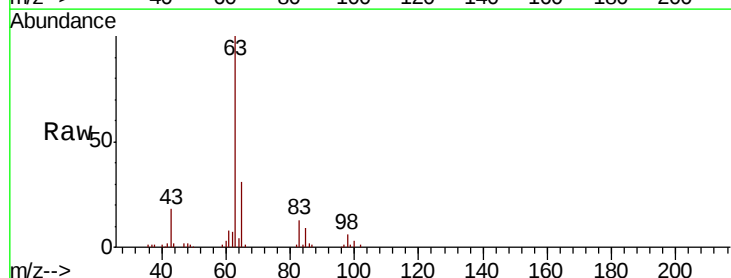
Tgt Ion: 63 Resp: 176557

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

100 3.4 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059301.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059301.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059301.D (-1165) (-)

60000

40000

20000

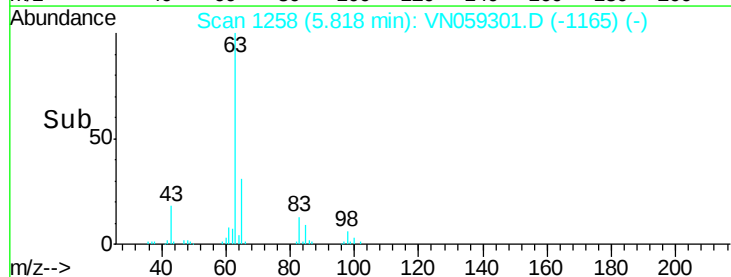
0

5.70

5.80

5.90

Time-->

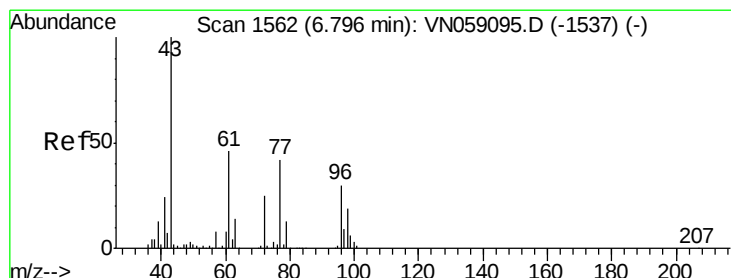
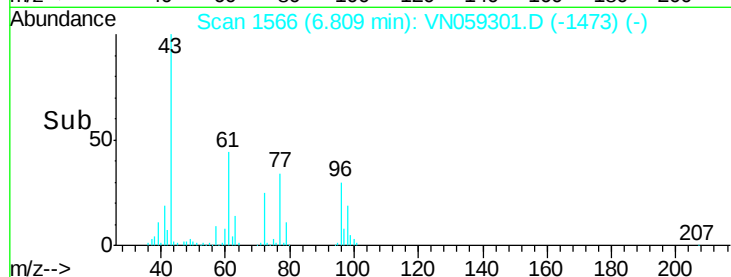
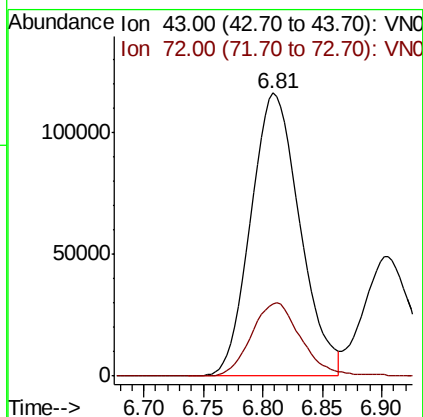
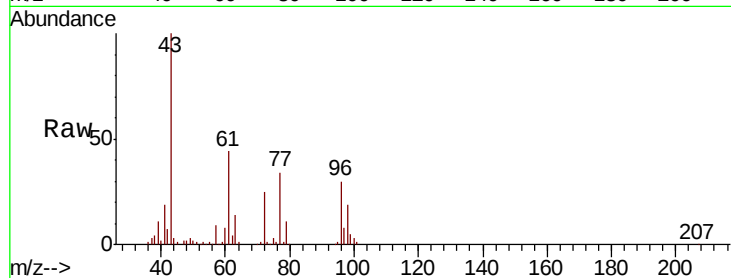




#25
 2-Butanone
 Concen: 102.983 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

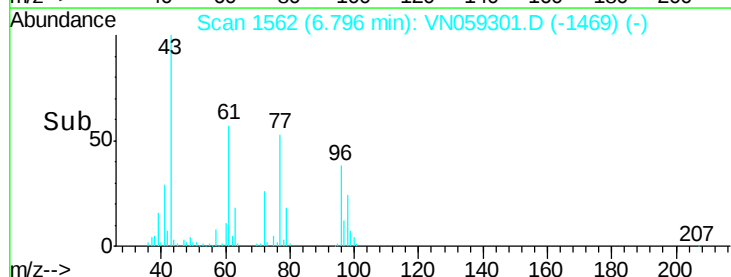
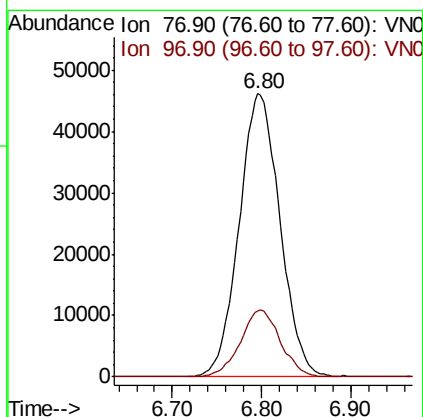
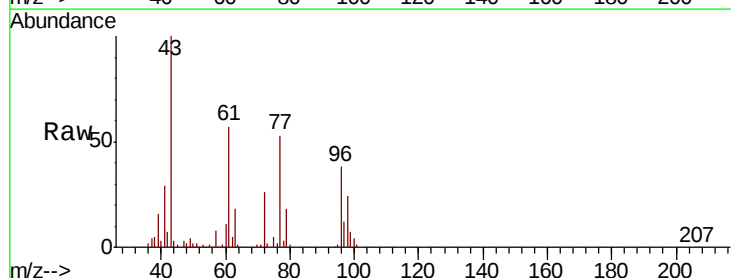
Instrument :
 MSVOA_N
 ClientSampled :

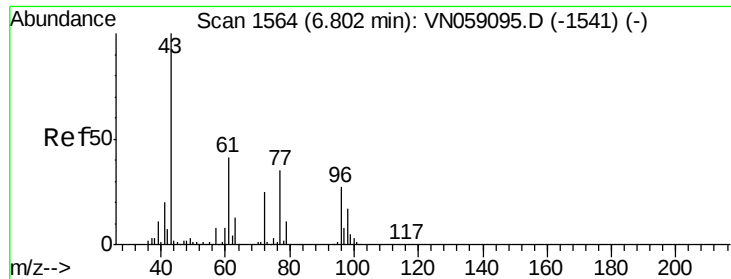
Tot Ion: 43 Resp: 331649
 Ion Ratio Lower Upper
 43 100
 72 25.4 20.3 30.5



#26
 2,2-Dichloropropane
 Concen: 21.717 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Tgt Ion: 77 Resp: 146737
 Ion Ratio Lower Upper
 77 100
 97 23.1 11.2 33.6

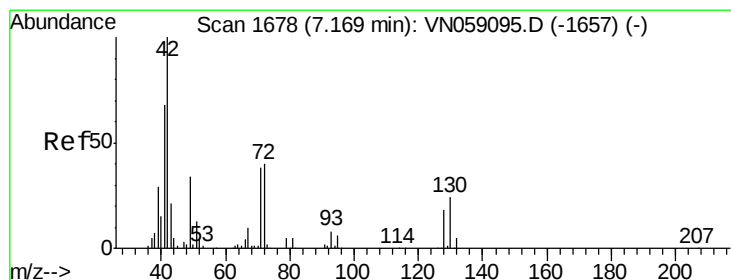
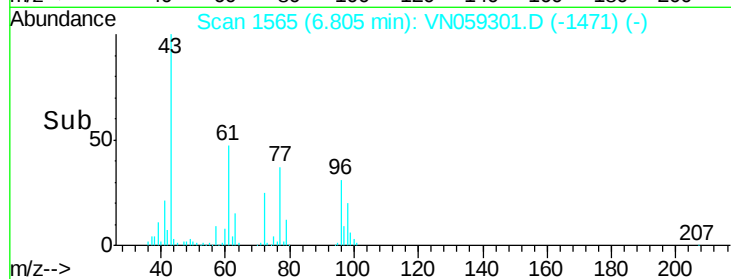
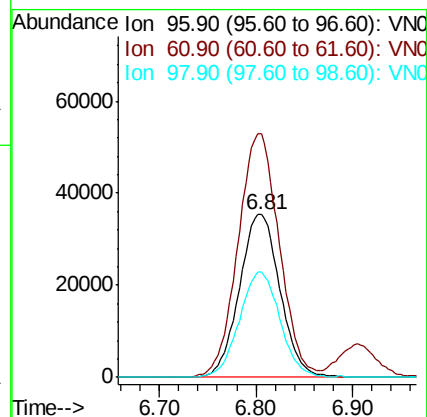
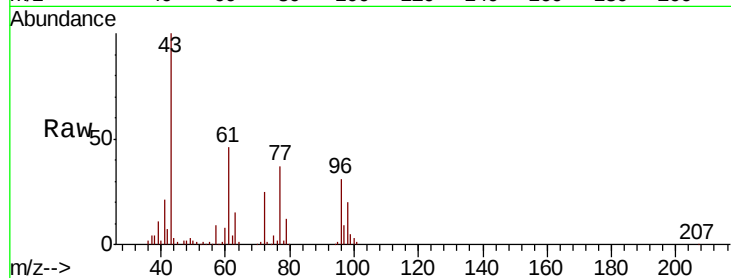




#27
 cis-1,2-Dichloroethene
 Concen: 23.246 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

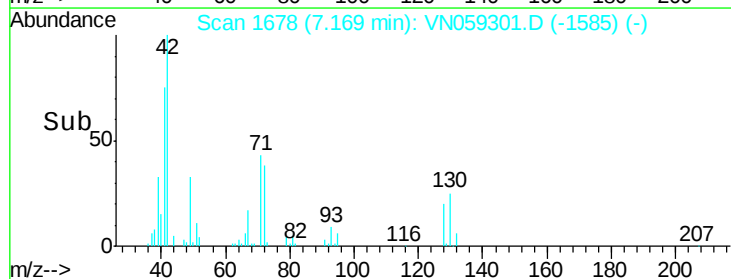
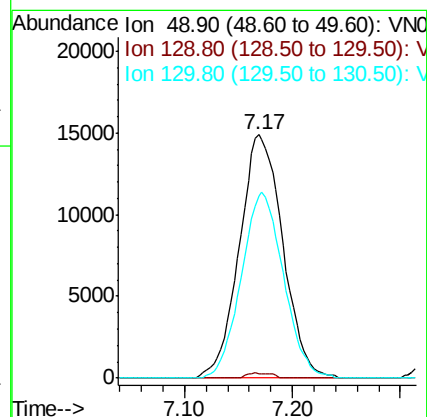
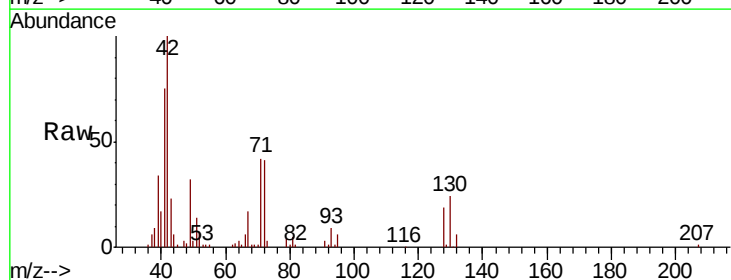
Instrument :
 MSVOA_N
 ClientSampleId :

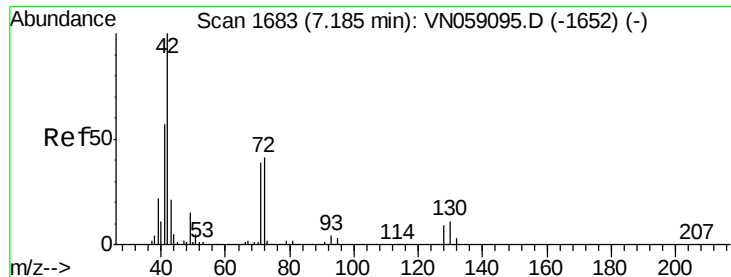
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	311.6
98	64.6	0.0	129.8



#28
 Bromochloromethane
 Concen: 17.942 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	73.8	55.6	83.4

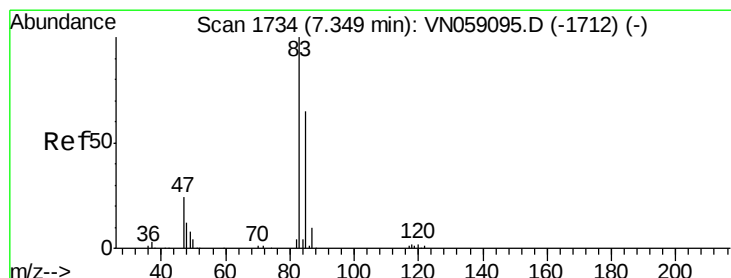
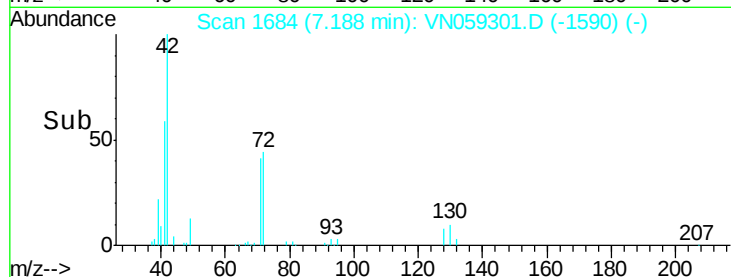
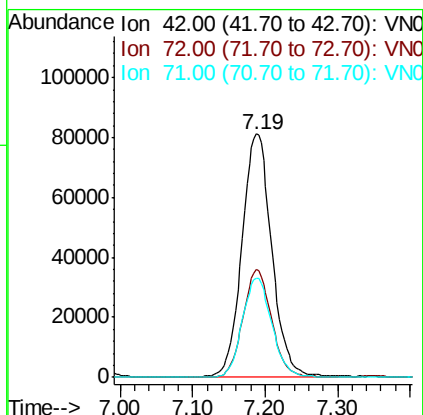
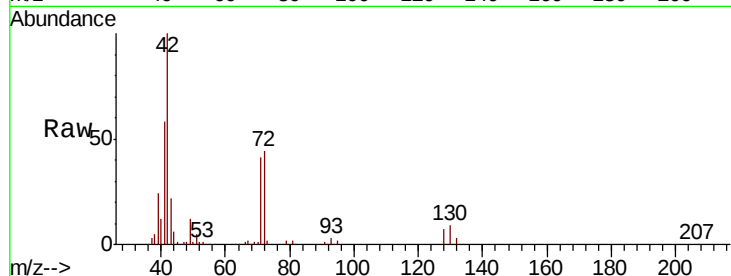




#29
Tetrahydrofuran
Concen: 114.075 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

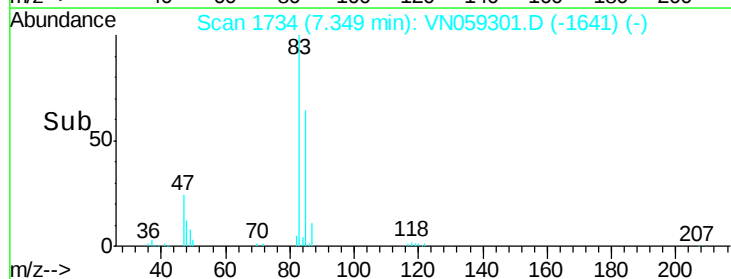
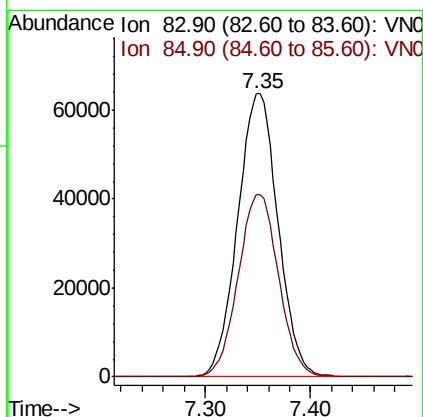
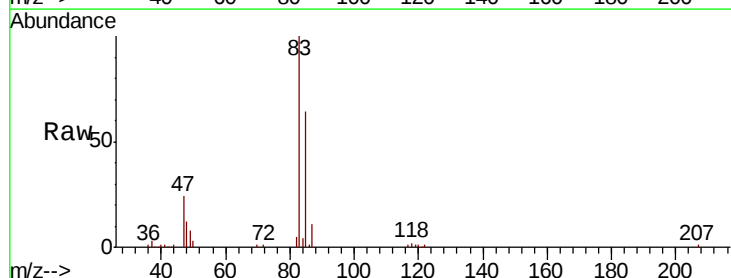
Instrument :
MSVOA_N
ClientSampled :

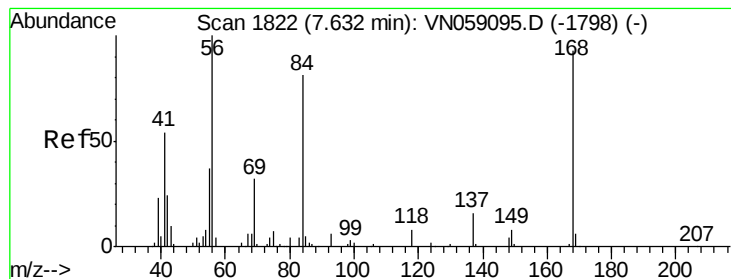
Tot Ion: 42 Resp: 233426
Ion Ratio Lower Upper
42 100
72 42.3 33.1 49.7
71 40.2 30.9 46.3



#30
Chloroform
Concen: 22.853 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 83 Resp: 169406
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.8





#31

Cyclohexane

Concen: 22.967 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampled :

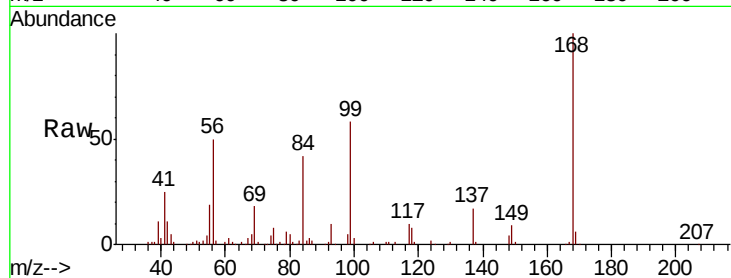
Tot Ion: 56 Resp: 168015

Ion Ratio Lower Upper

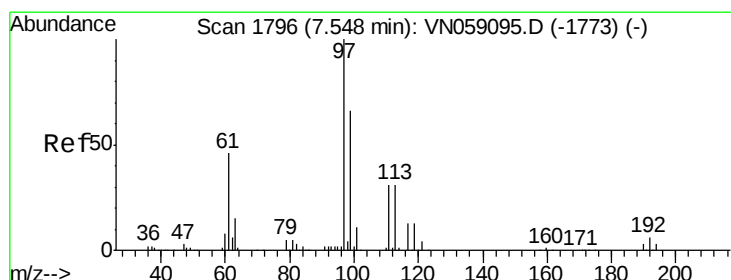
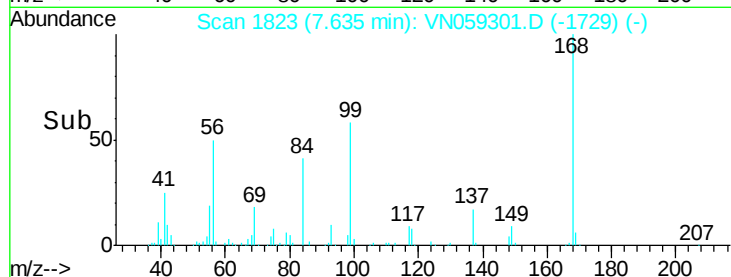
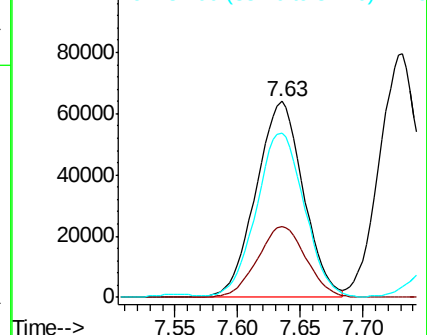
56 100

69 36.3 25.8 38.8

84 83.1 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 23.233 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

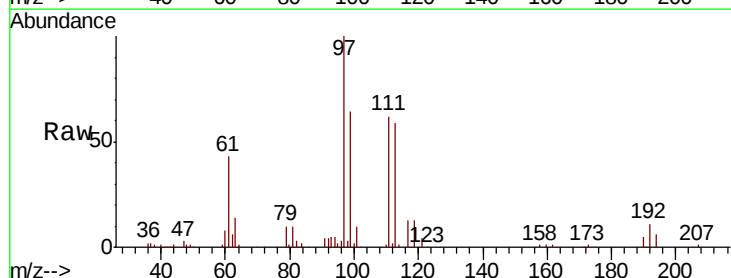
Tgt Ion: 97 Resp: 144794

Ion Ratio Lower Upper

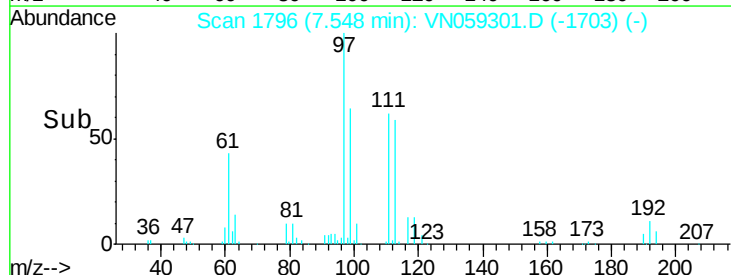
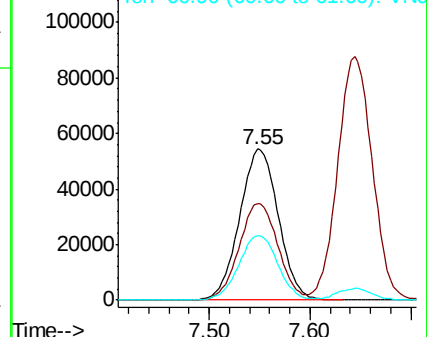
97 100

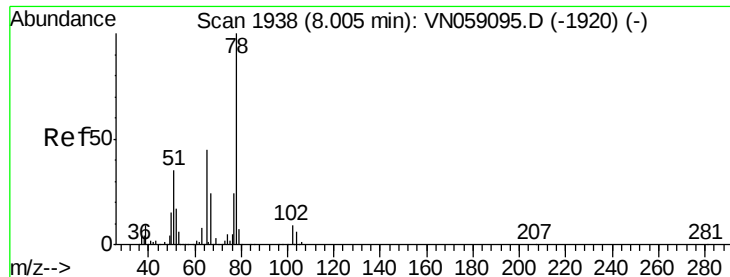
99 64.3 51.0 76.6

61 43.4 35.8 53.8



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





#33

1,2-Dichloroethane-d4

Concen: 46.246 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

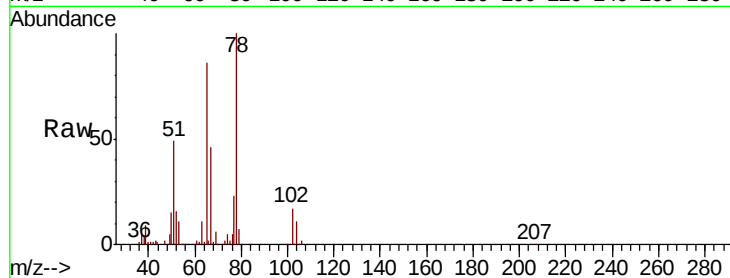
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 217308

Ion Ratio Lower Upper

65 100

67 54.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059301.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059301.D (-1845) (-)

8.01

100000

80000

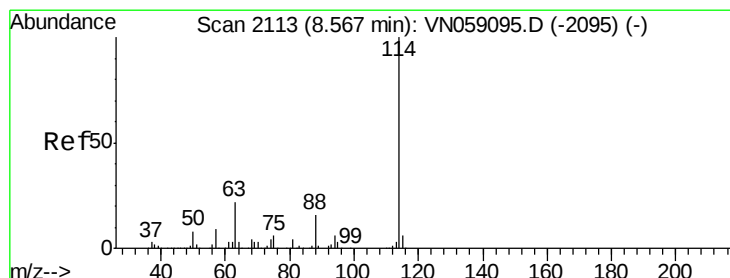
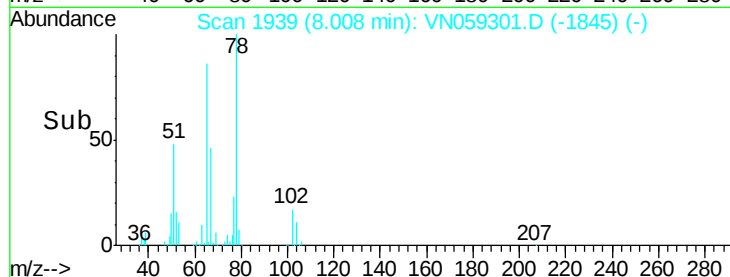
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

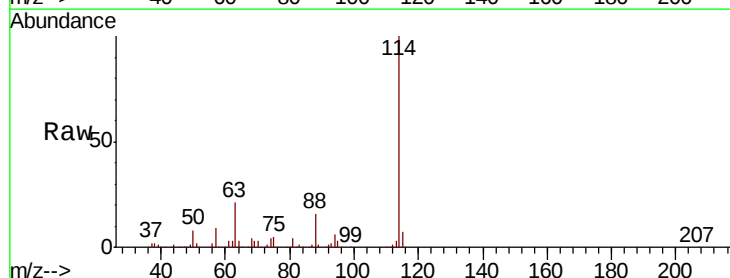
Tgt Ion: 114 Resp: 597017

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

88 15.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059301.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059301.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059301.D (-2020) (-)

8.57

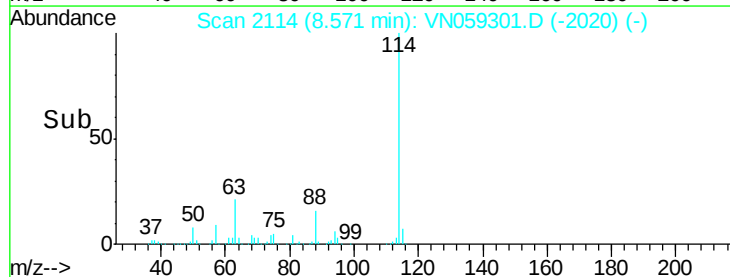
300000

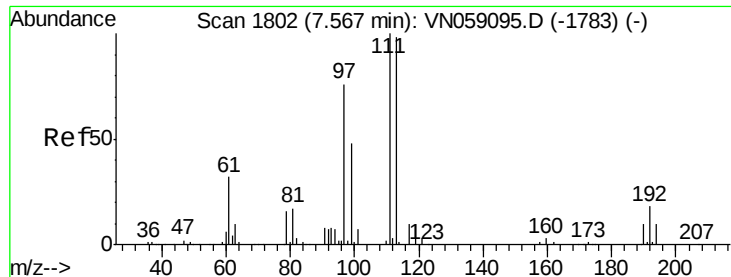
200000

100000

0

Time--> 8.50 8.60 8.70

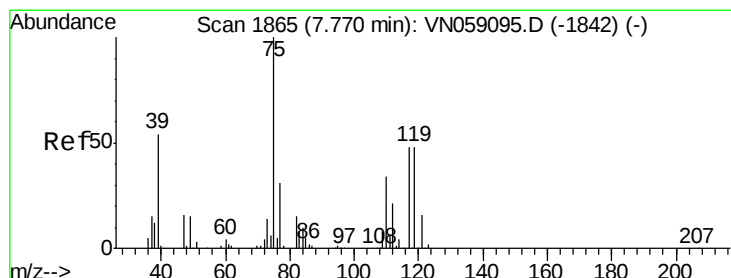
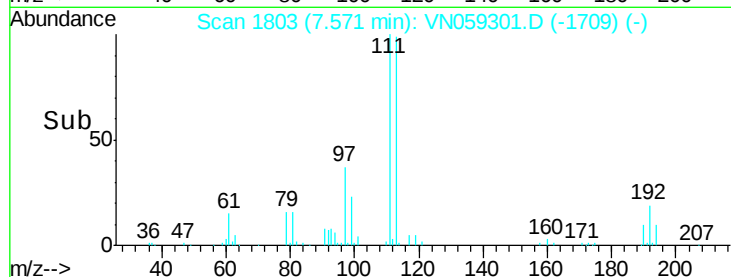
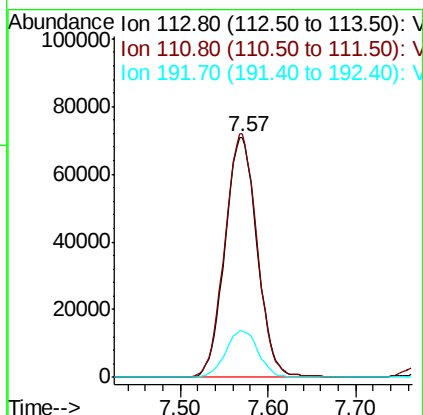
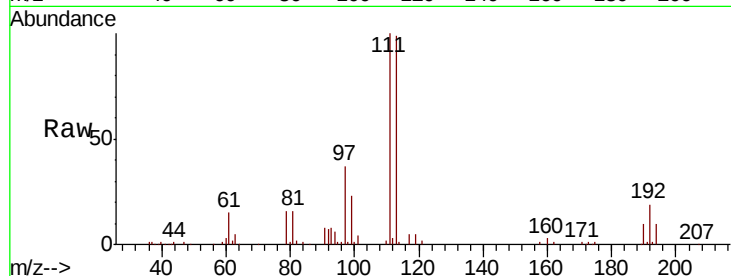




#35
 Dibromofluoromethane
 Concen: 50.853 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

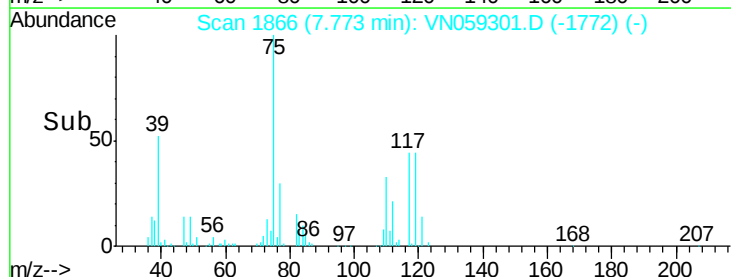
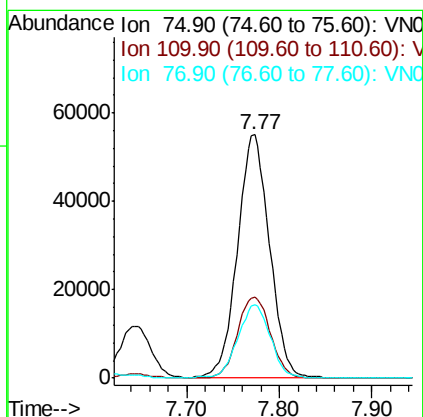
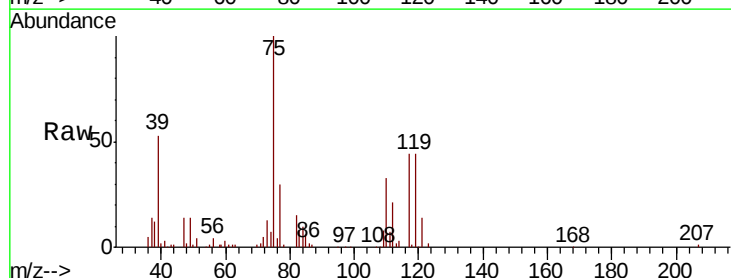
Instrument :
 MSVOA_N
 ClientSampleId :

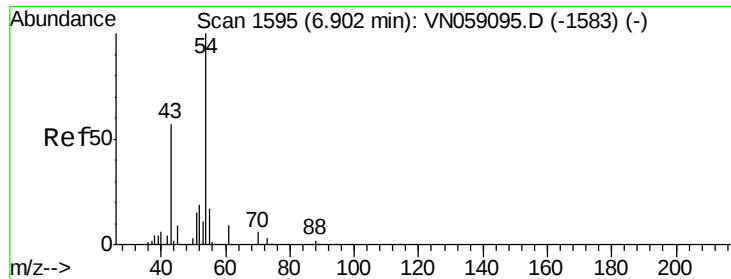
Tot Ion:113 Resp: 181278
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.8 124.2
 192 19.7 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 23.717 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Tgt Ion: 75 Resp: 132347
 Ion Ratio Lower Upper
 75 100
 110 34.0 17.1 51.2
 77 30.7 24.8 37.2

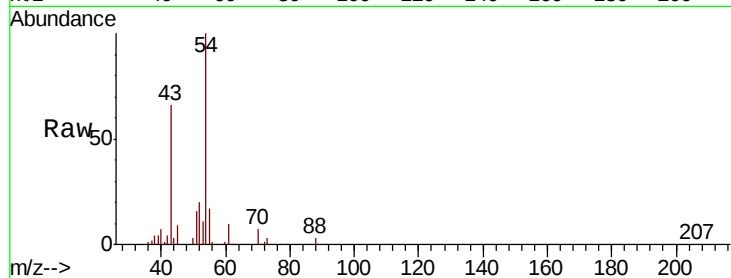




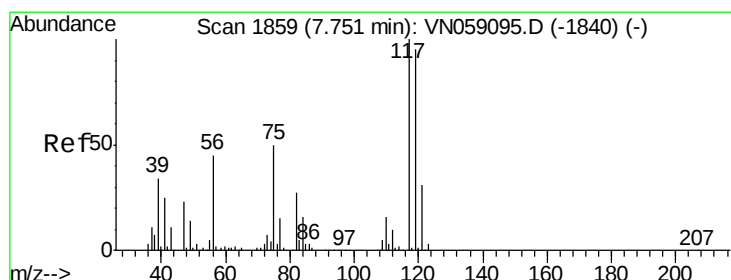
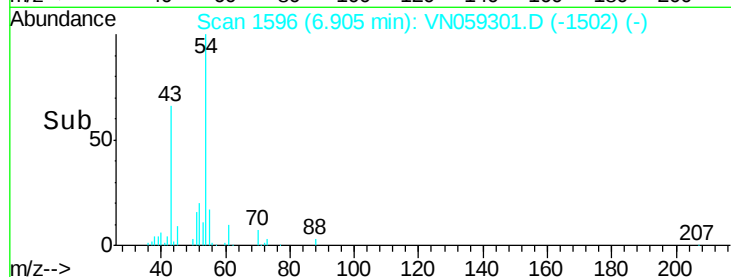
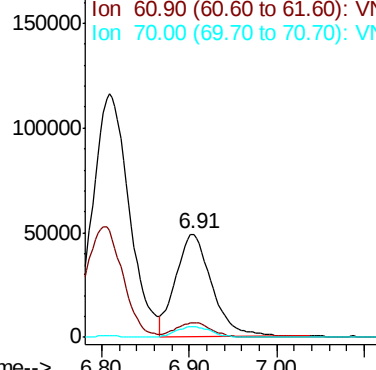
#37
Ethyl Acetate
Concen: 22.590 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 140238
Ion Ratio Lower Upper
43 100
61 14.4 11.2 16.8
70 10.3 7.8 11.8

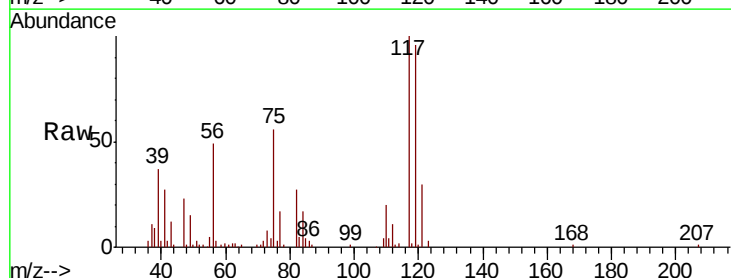


Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1583) (-)
Ion 60.90 (60.60 to 61.60): VN059095.D (-1583) (-)
Ion 70.00 (69.70 to 70.70): VN059095.D (-1583) (-)

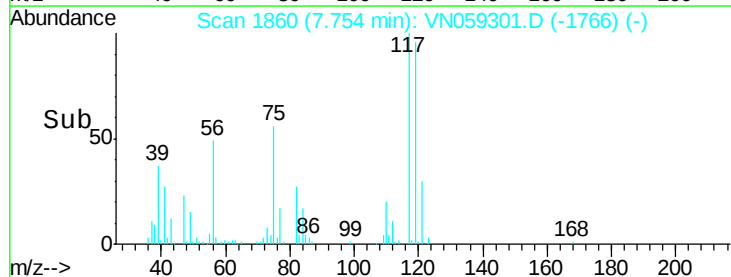
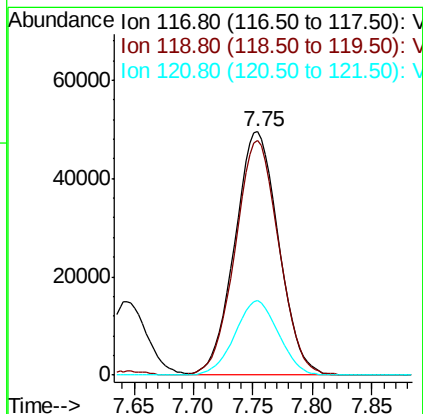


#38
Carbon Tetrachloride
Concen: 22.796 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 117 Resp: 126615
Ion Ratio Lower Upper
117 100
119 96.4 75.6 113.4
121 30.5 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): VN059095.D (-1840) (-)
Ion 118.80 (118.50 to 119.50): VN059095.D (-1840) (-)
Ion 120.80 (120.50 to 121.50): VN059095.D (-1840) (-)

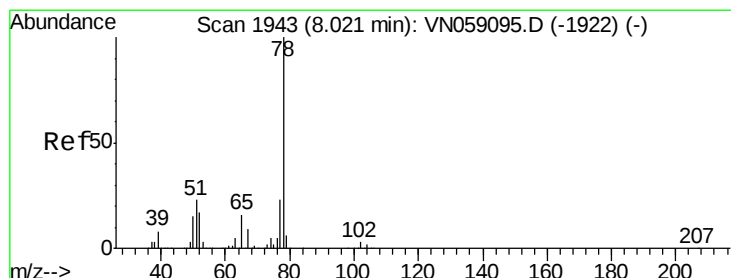
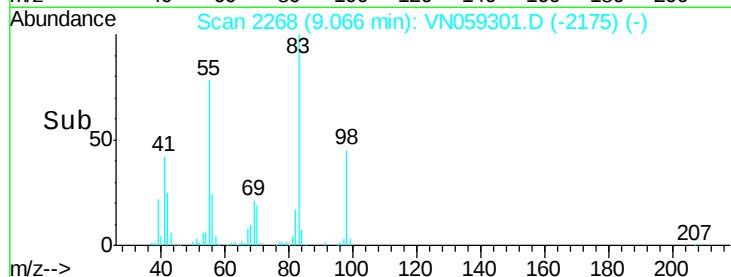
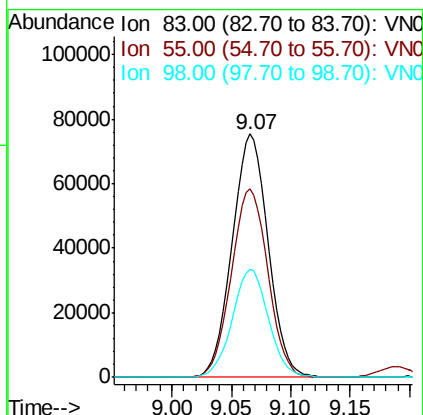
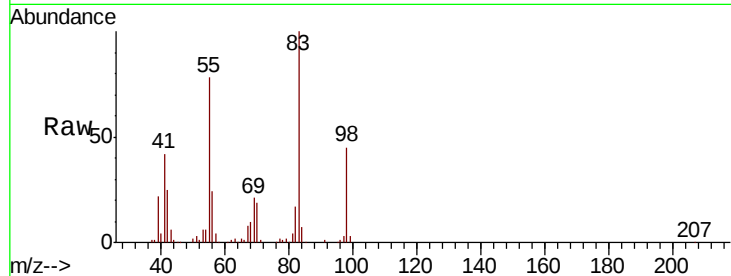




#39
Methvlcvclohexane
Concen: 24.447 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

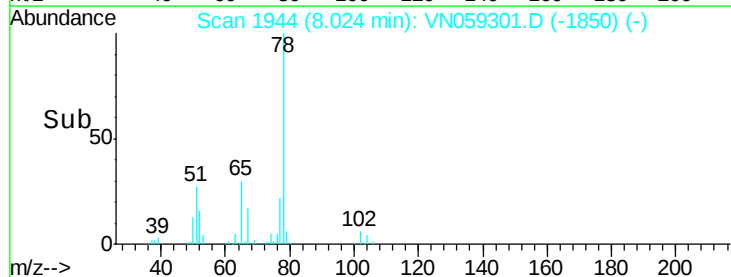
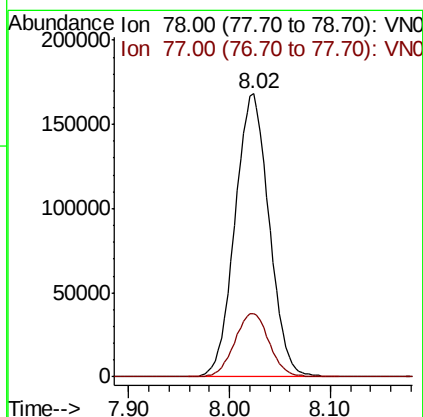
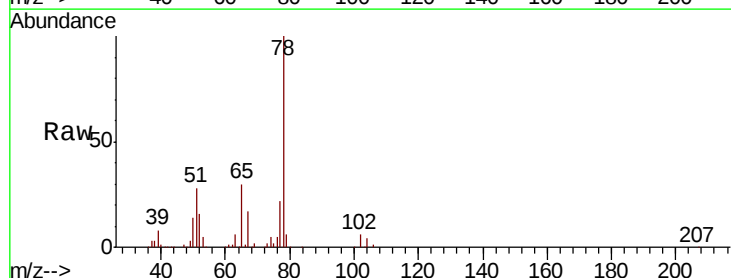
Instrument :
MSVOA_N
ClientSampled :

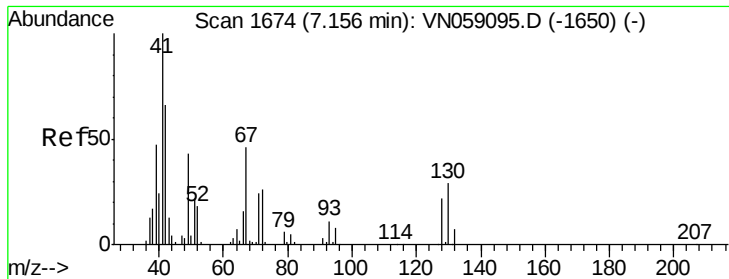
Tot Ion: 83 Resp: 158332
Ion Ratio Lower Upper
83 100
55 77.6 63.9 95.9
98 44.5 35.6 53.4



#40
Benzene
Concen: 23.487 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 78 Resp: 394692
Ion Ratio Lower Upper
78 100
77 22.4 18.8 28.2





#41

Methacrylonitrile

Concen: 73.711 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.03 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 198982

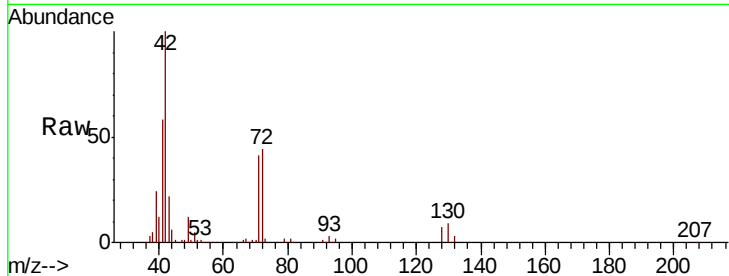
Ion Ratio Lower Upper

41 100

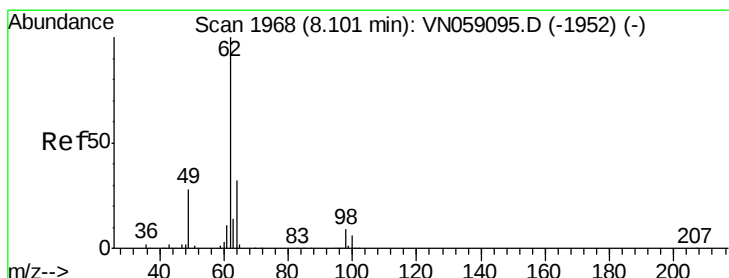
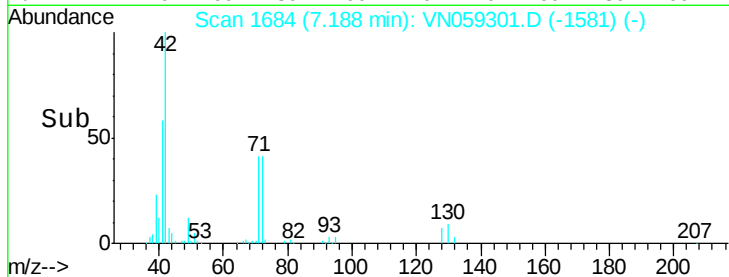
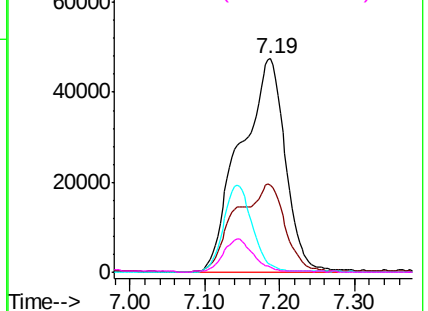
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0



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



#42

1,2-Dichloroethane

Concen: 22.460 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059301.D

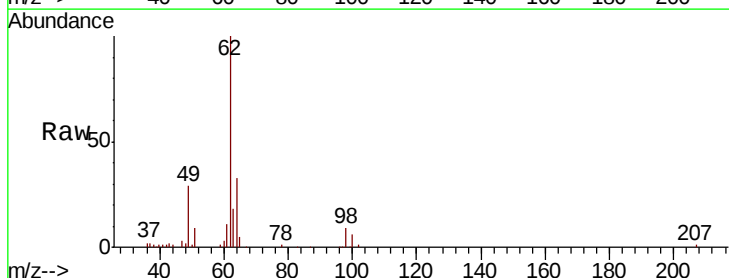
Acq: 19 Nov 2019 12:45

Tgt Ion: 62 Resp: 129445

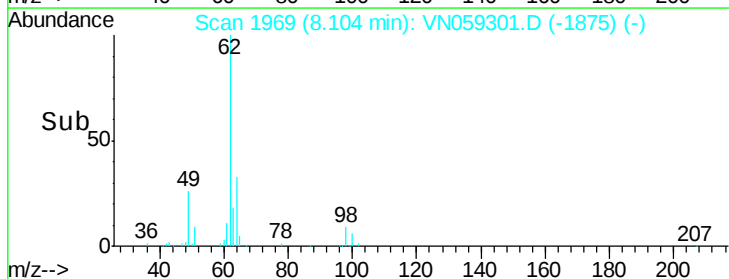
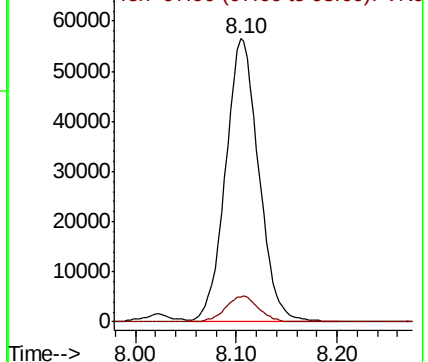
Ion Ratio Lower Upper

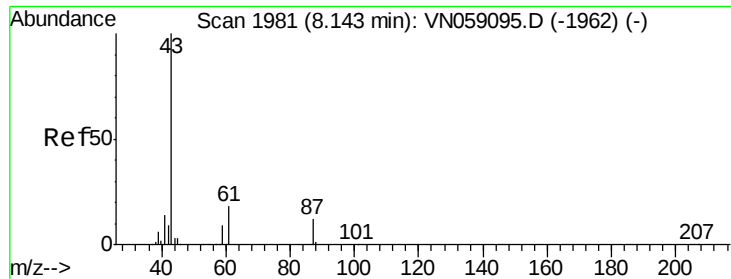
62 100

98 9.0 0.0 17.8



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



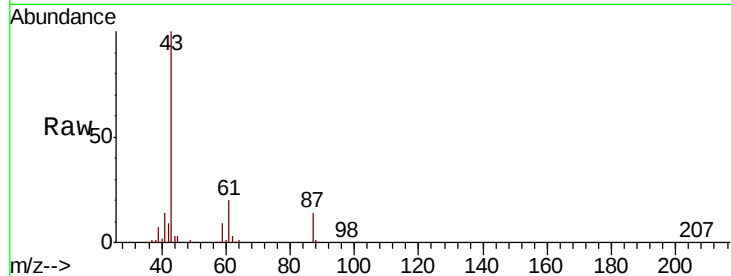


#43

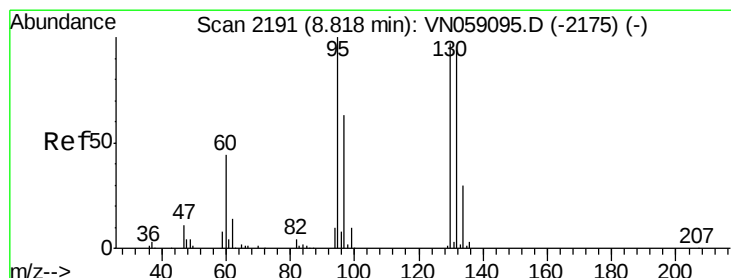
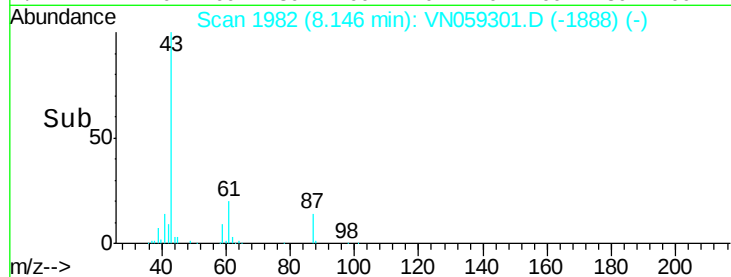
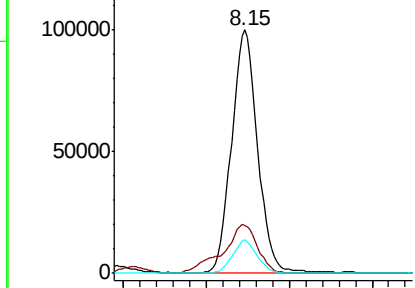
Isopropyl Acetate
 Concen: 21.984 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 217581
 Ion Ratio Lower Upper
 43 100
 61 27.1 21.0 31.6
 87 13.0 9.8 14.6



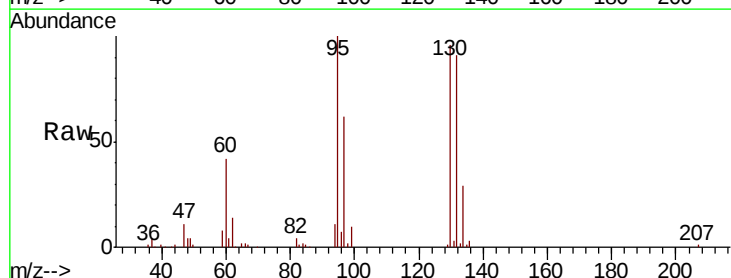
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



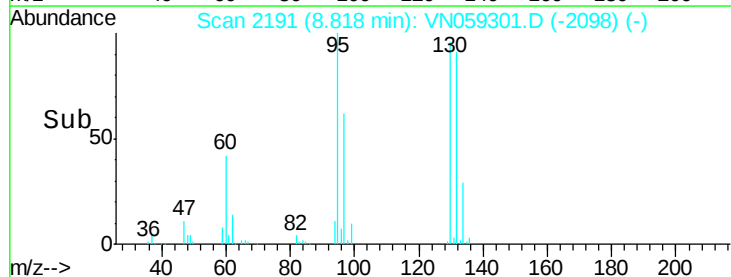
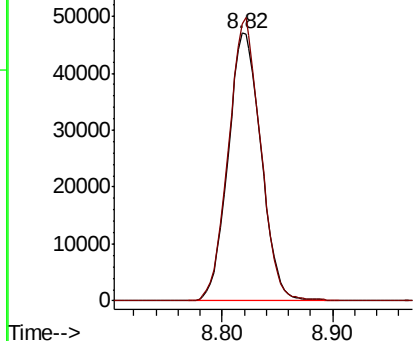
#44

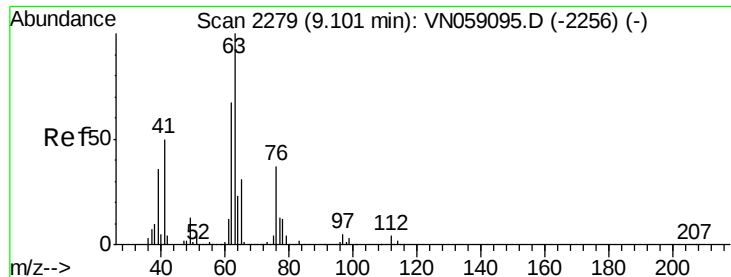
Trichloroethene
 Concen: 23.637 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Tgt Ion:130 Resp: 97639
 Ion Ratio Lower Upper
 130 100
 95 103.7 0.0 206.4



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





#45

1,2-Dichloropropane

Concen: 22.809 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

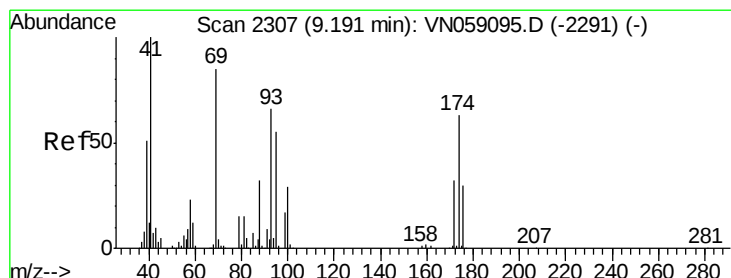
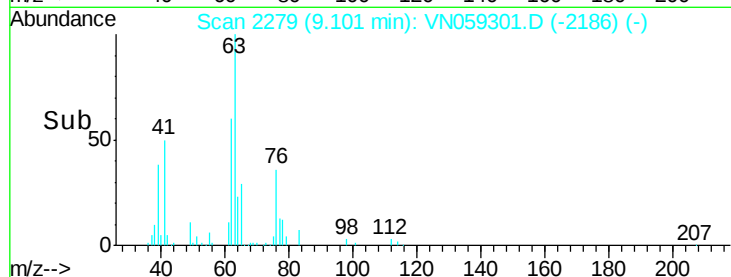
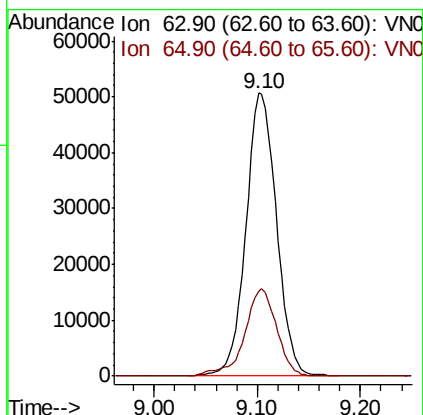
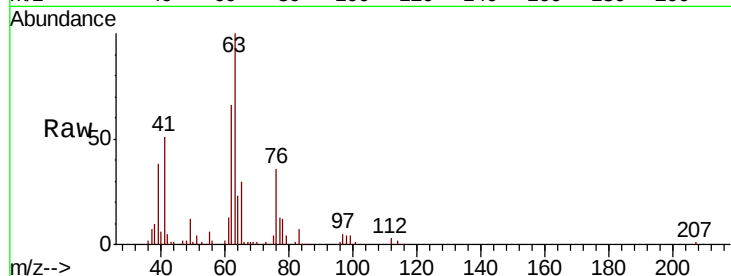
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 104108

Ion Ratio Lower Upper

63 100

65 30.0 24.6 37.0



#46

Dibromomethane

Concen: 22.768 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

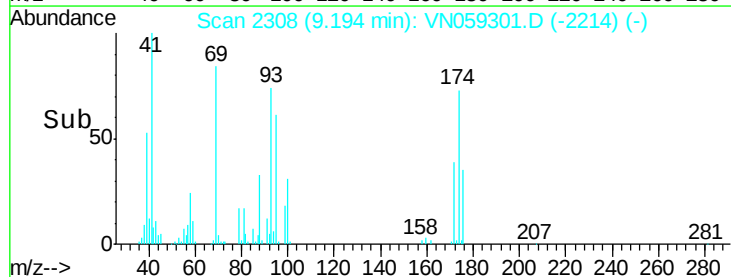
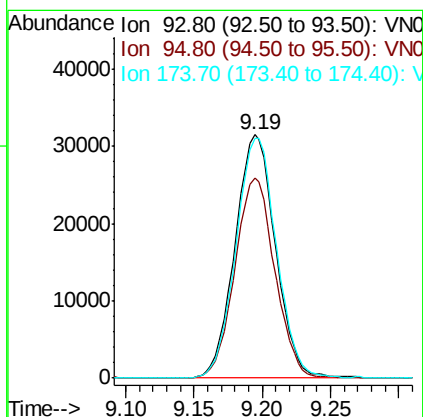
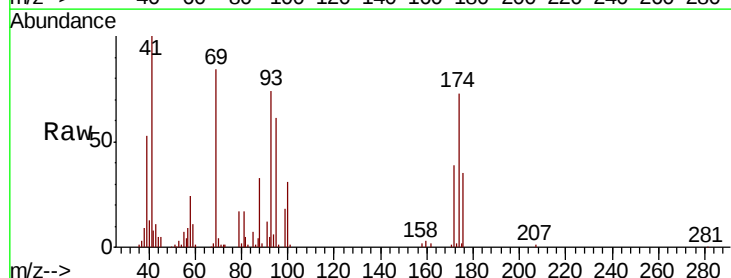
Tgt Ion: 93 Resp: 64758

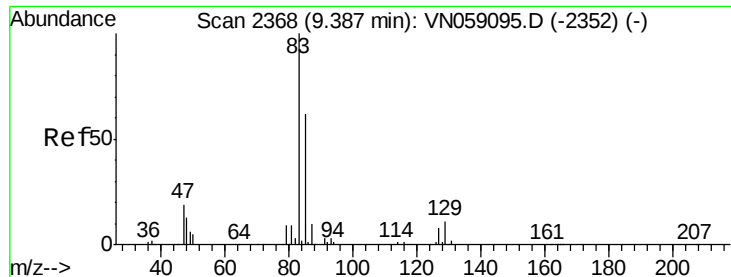
Ion Ratio Lower Upper

93 100

95 81.3 66.6 100.0

174 99.0 78.2 117.2





#47

Bromodichloromethane

Concen: 22.196 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampled :

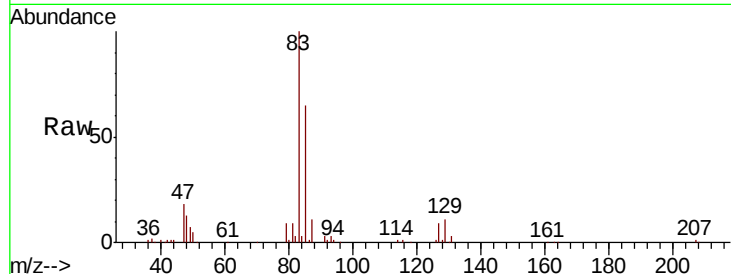
Tot Ion: 83 Resp: 126063

Ion Ratio Lower Upper

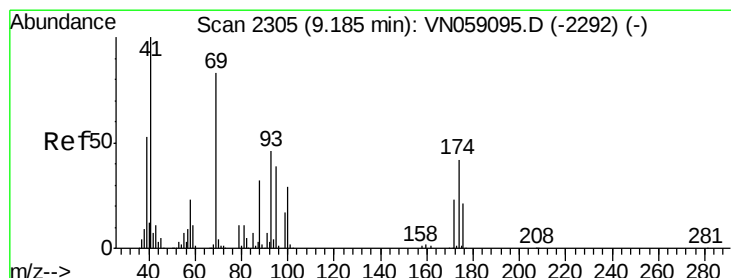
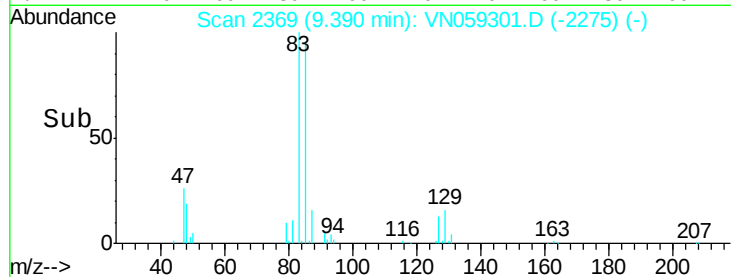
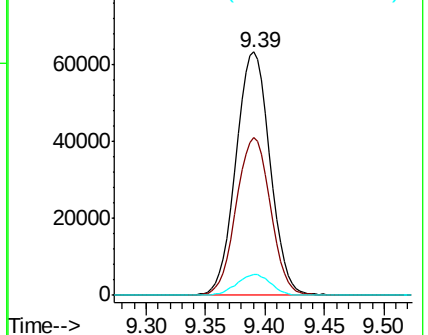
83 100

85 64.9 49.7 74.5

127 8.7 6.4 9.6



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): VN0



#48

Methyl methacrylate

Concen: 21.670 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

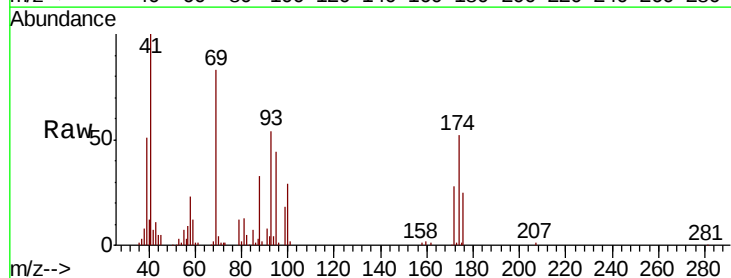
Tgt Ion: 41 Resp: 95931

Ion Ratio Lower Upper

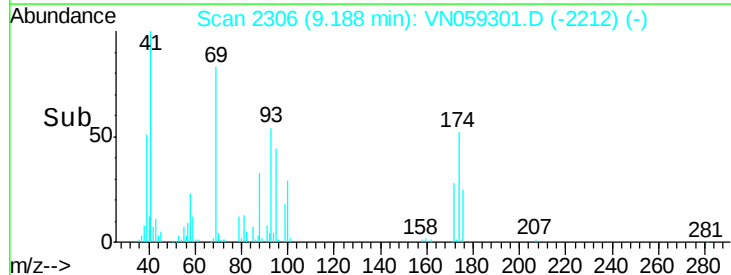
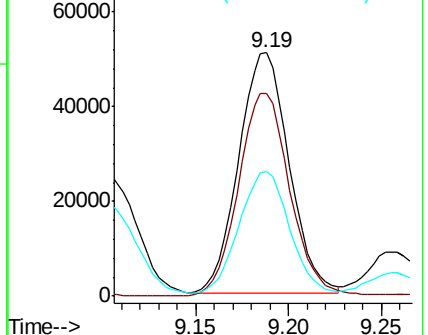
41 100

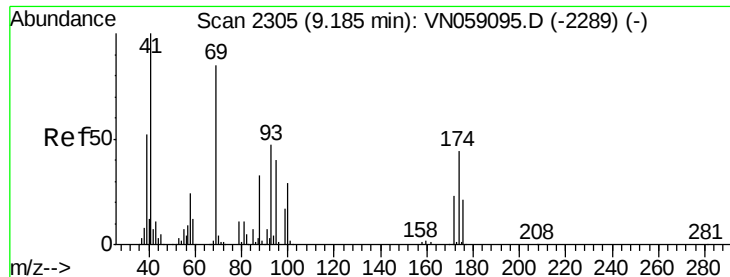
69 87.1 67.3 100.9

39 52.5 43.3 64.9



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: 466.244 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :

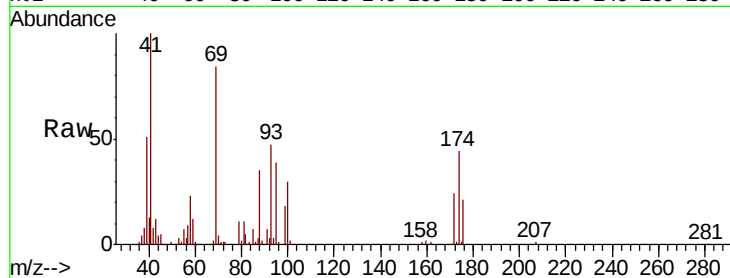
Tot Ion: 88 Resp: 36681

Ion Ratio Lower Upper

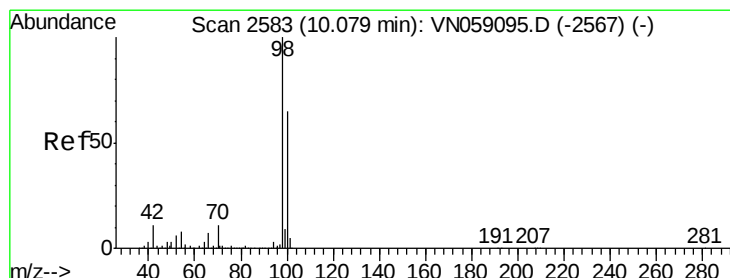
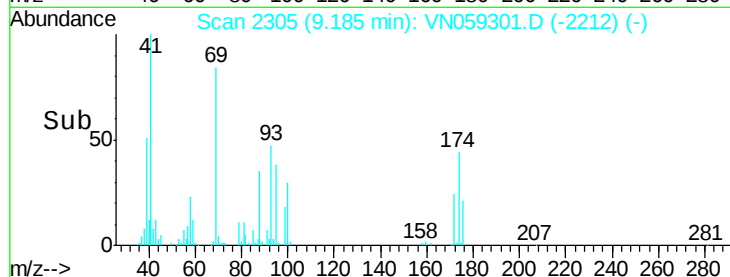
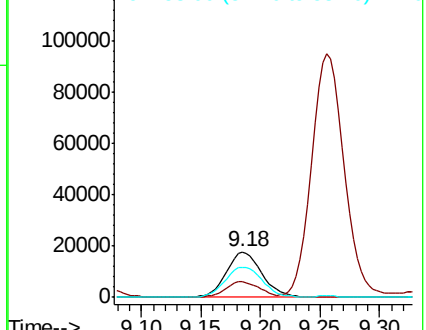
88 100

43 32.9 26.3 39.5

58 69.6 60.6 90.8



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



#50

Toluene-d8

Concen: 47.395 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059301.D

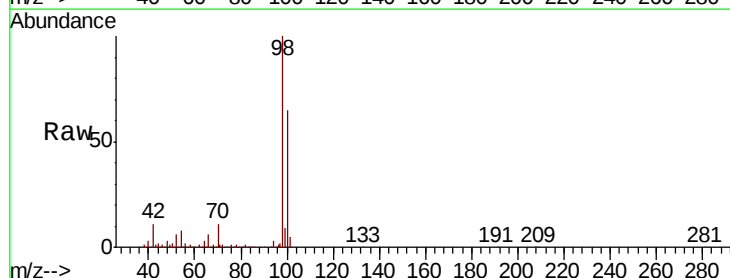
Acq: 19 Nov 2019 12:45

Tgt Ion: 98 Resp: 665486

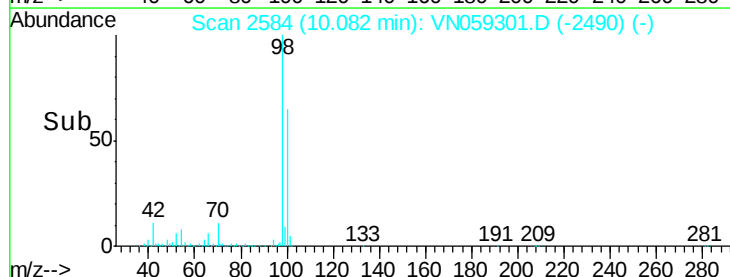
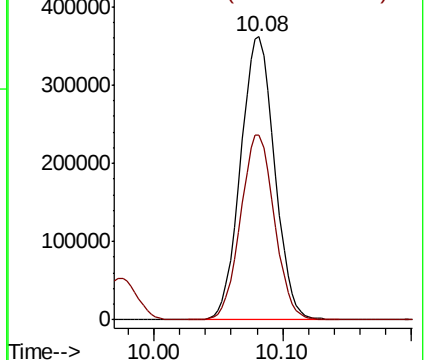
Ion Ratio Lower Upper

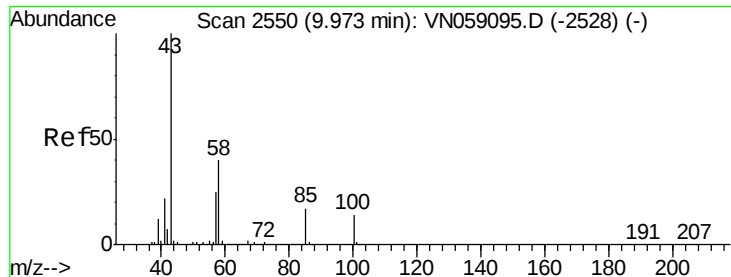
98 100

100 64.8 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 119.371 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

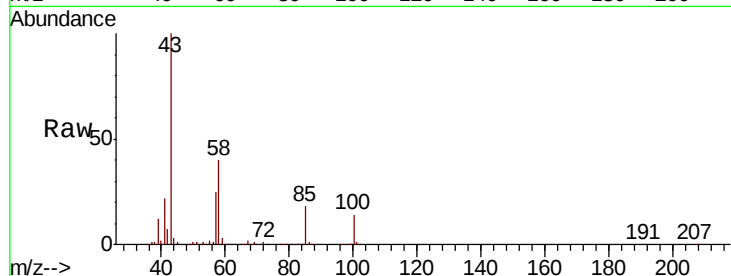
ClientSampled :

Tot Ion: 43 Resp: 668481

Ion Ratio Lower Upper

43 100

58 39.9 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

400000

300000

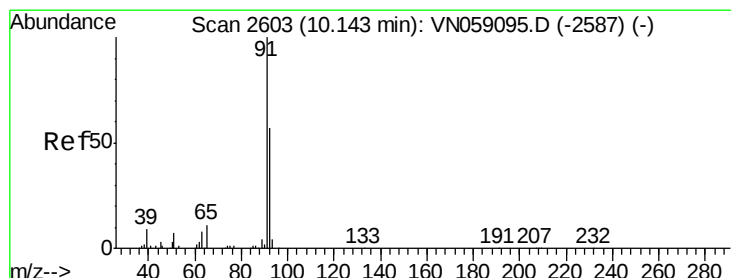
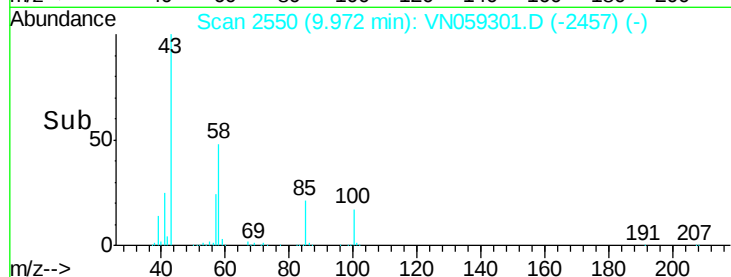
200000

100000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 23.662 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059301.D

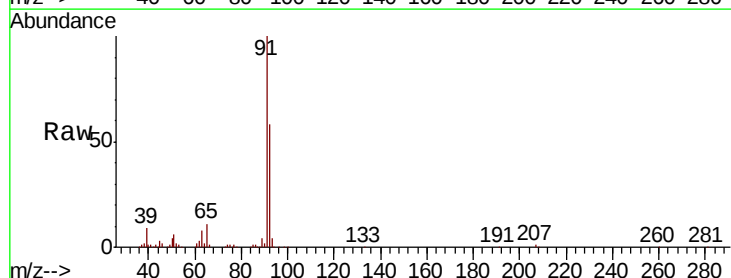
Acq: 19 Nov 2019 12:45

Tgt Ion: 92 Resp: 238323

Ion Ratio Lower Upper

92 100

91 172.2 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.15

250000

200000

150000

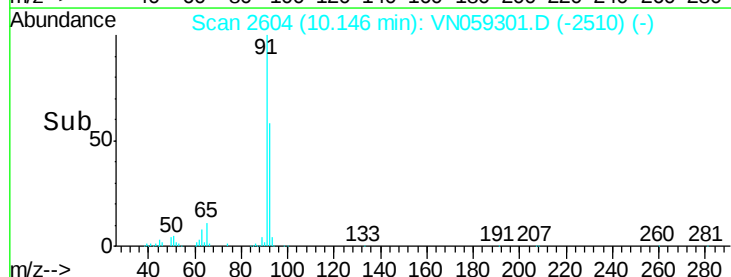
100000

50000

0

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.301 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

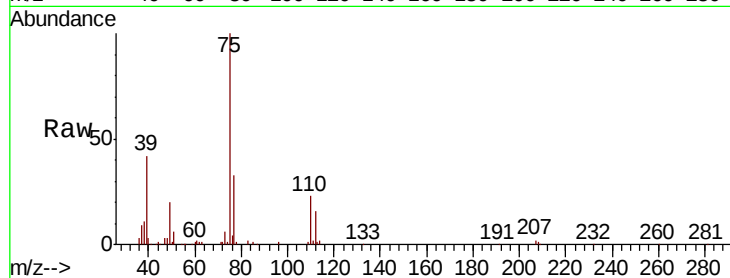
ClientSampleId :

Tot Ion: 75 Resp: 146336

Ion Ratio Lower Upper

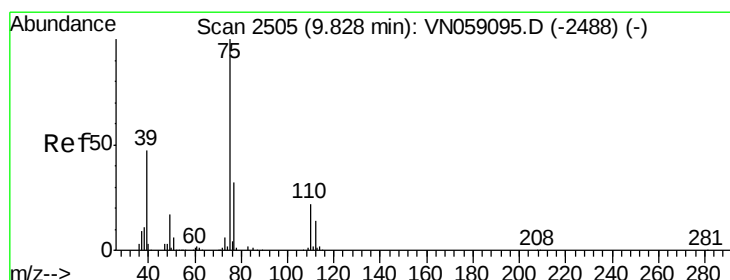
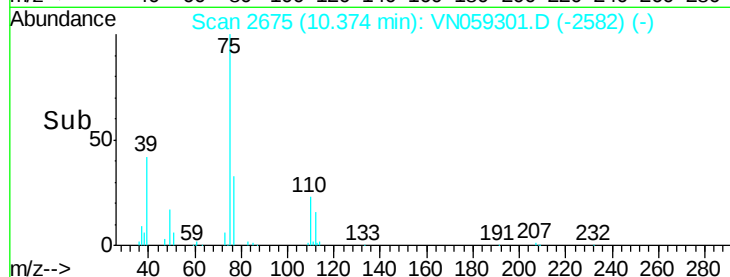
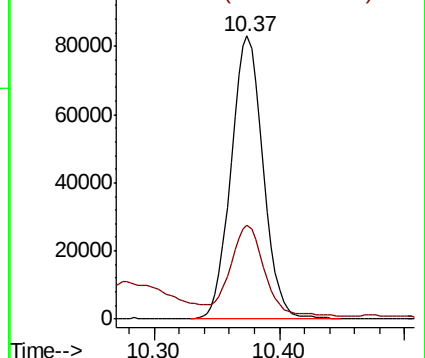
75 100

77 32.1 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 22.690 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

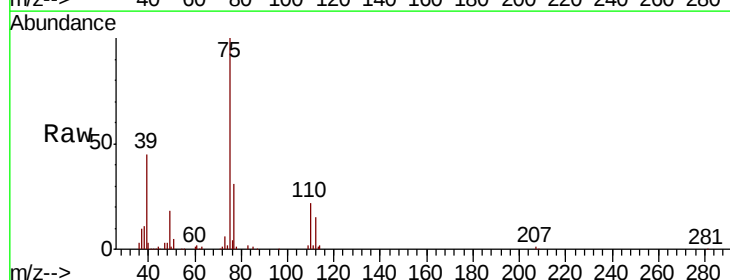
Tgt Ion: 75 Resp: 160156

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

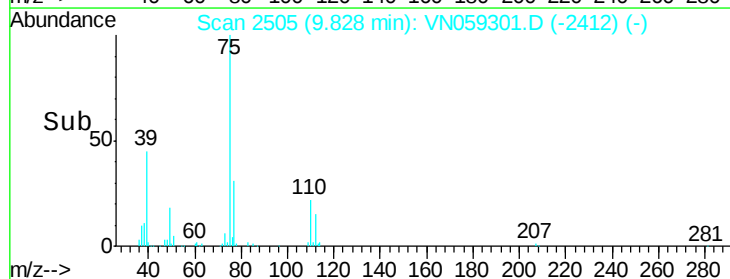
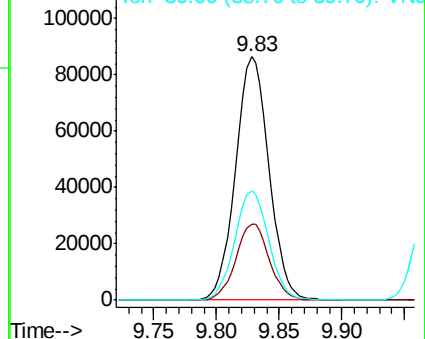
39 44.7 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 22.579 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 92038

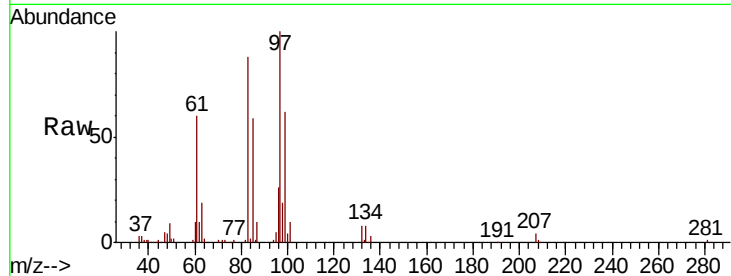
Ion Ratio Lower Upper

97 100

83 88.2 71.0 106.4

85 58.6 45.8 68.8

99 62.1 49.4 74.0

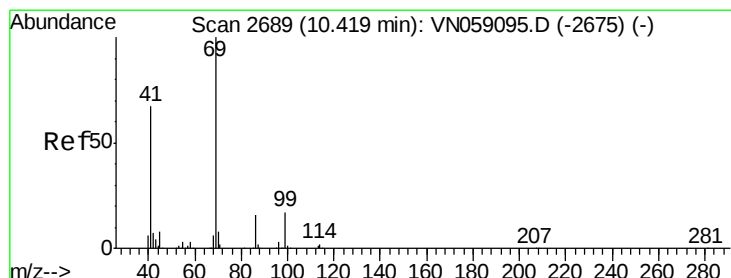
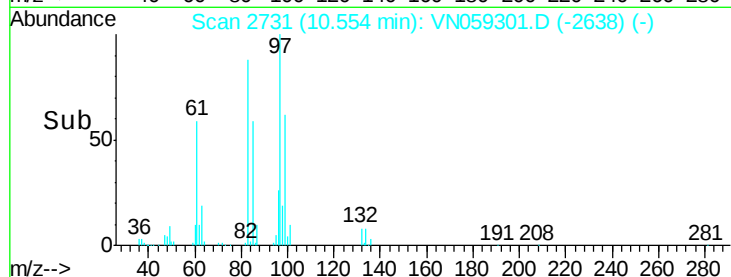
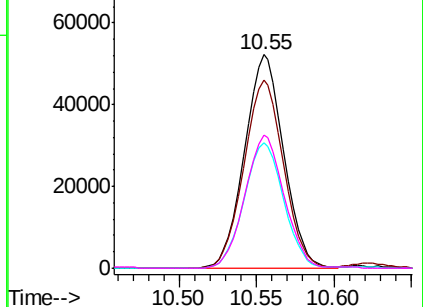


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.480 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

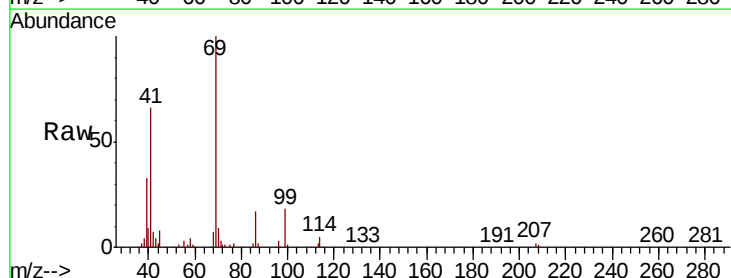
Tgt Ion: 69 Resp: 138489

Ion Ratio Lower Upper

69 100

41 64.6 53.6 80.4

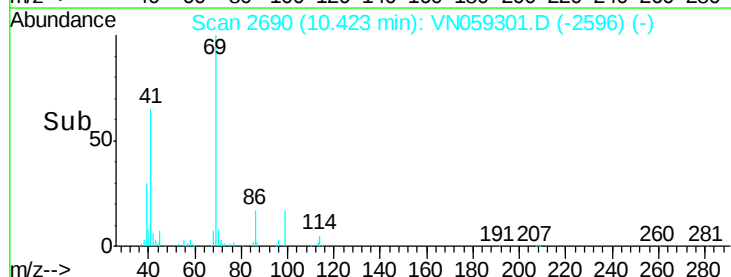
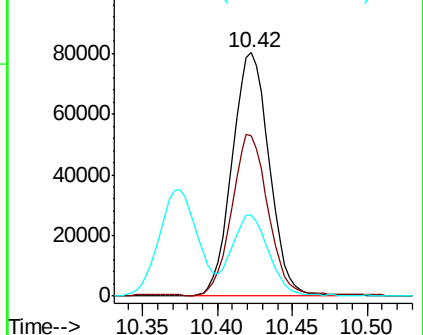
39 32.5 26.2 39.4

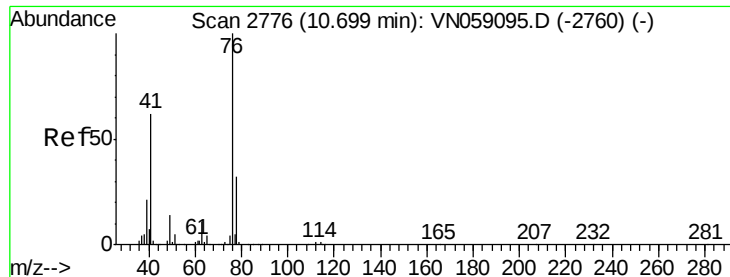


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 22.888 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

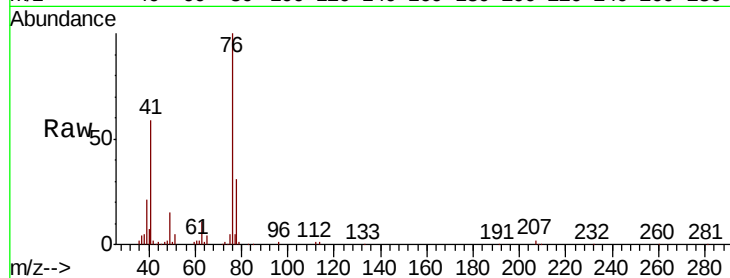
ClientSampleId :

Tot Ion: 76 Resp: 160577

Ion Ratio Lower Upper

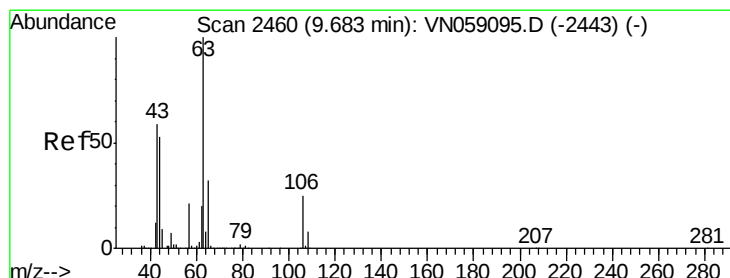
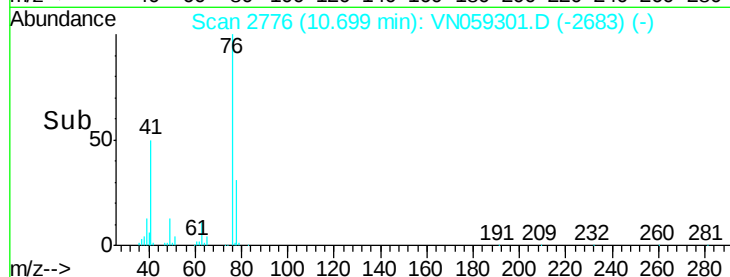
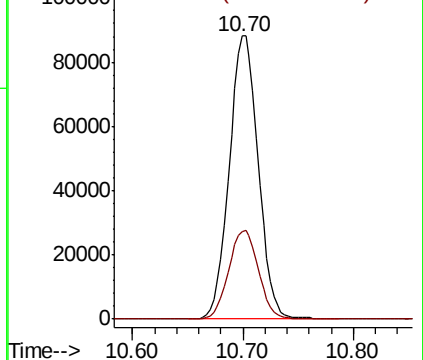
76 100

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



#58

2-Chloroethyl Vinyl ether

Concen: 106.639 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059301.D

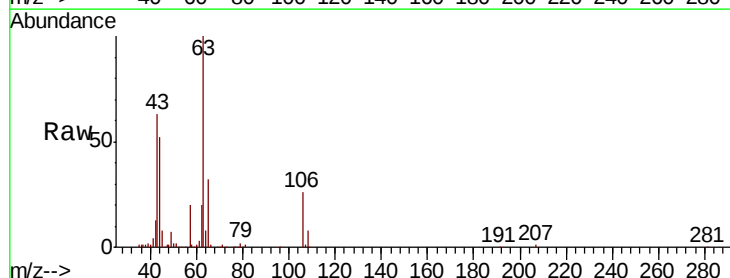
Acq: 19 Nov 2019 12:45

Tgt Ion: 63 Resp: 241915

Ion Ratio Lower Upper

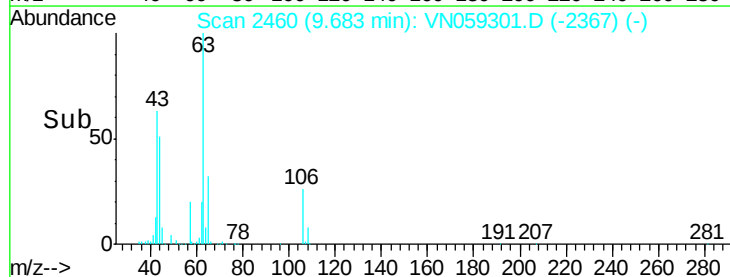
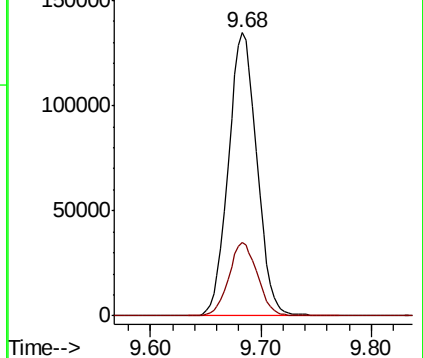
63 100

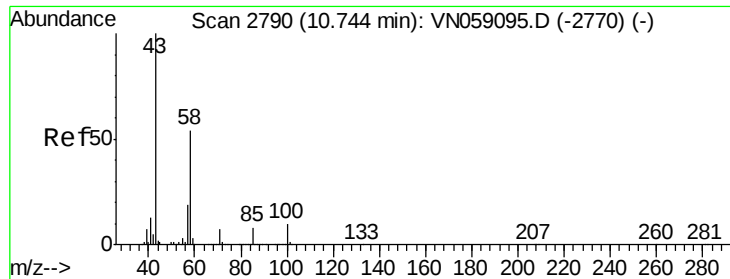
106 25.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

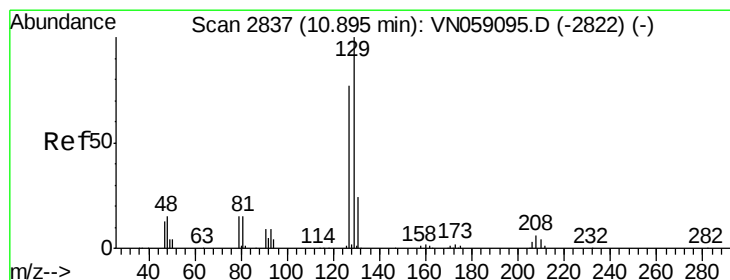
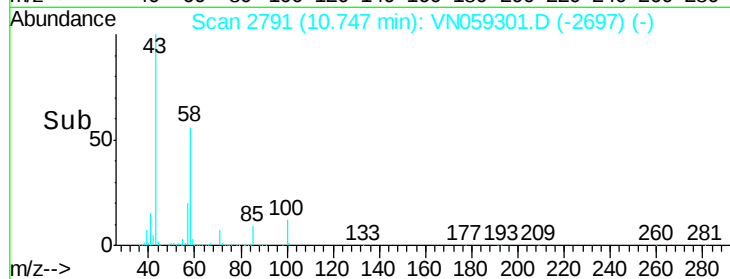
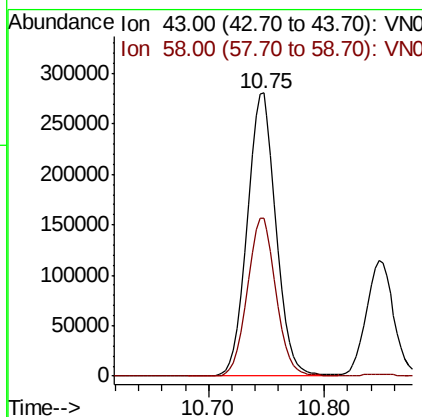
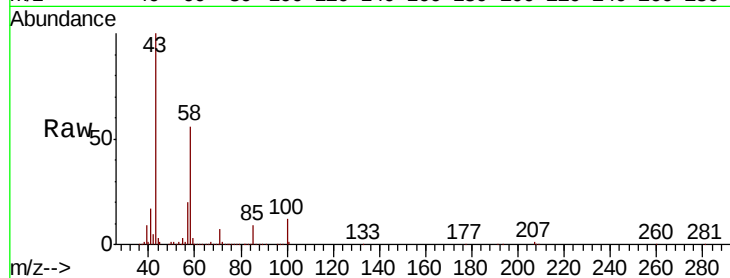




#59
2-Hexanone
Concen: 113.327 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

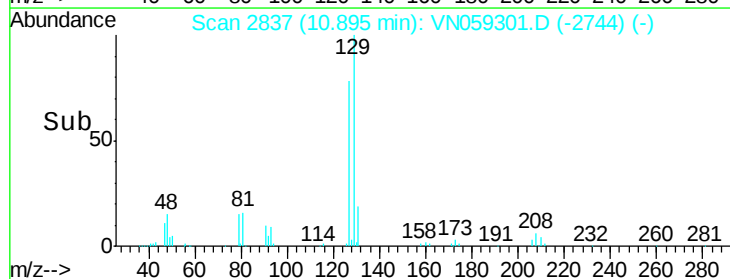
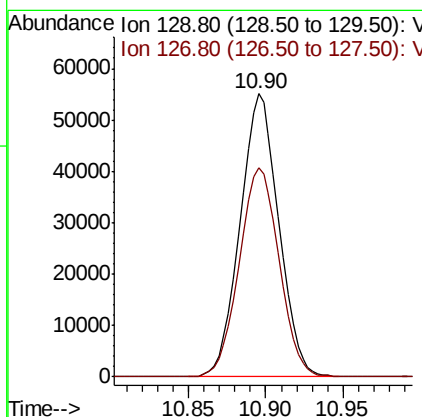
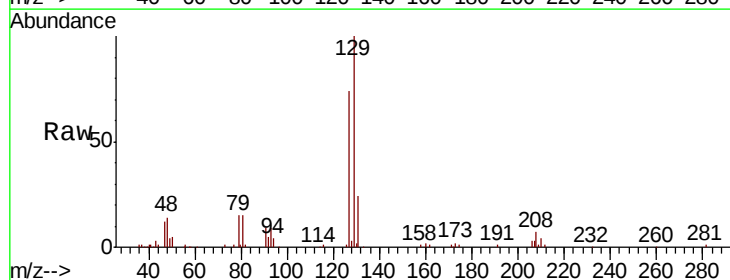
Instrument :
MSVOA_N
ClientSampleId :

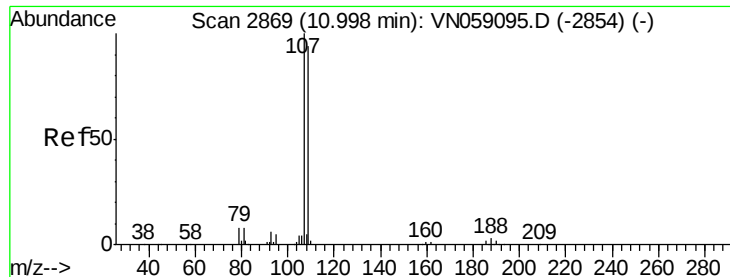
Tot Ion: 43 Resp: 487112
Ion Ratio Lower Upper
43 100
58 55.6 27.3 81.8



#60
Dibromochloromethane
Concen: 22.176 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 129 Resp: 95574
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 23.218 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

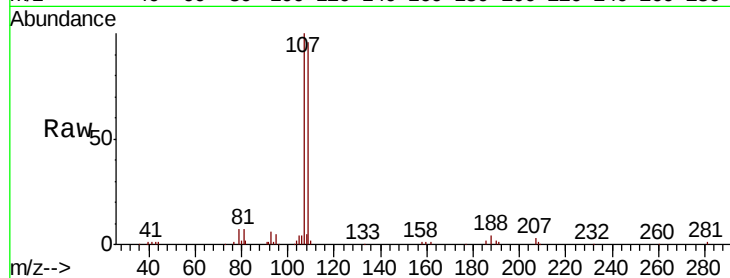
ClientSampled :

Tot Ion:107 Resp: 95810

Ion Ratio Lower Upper

107 100

109 95.8 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

20000

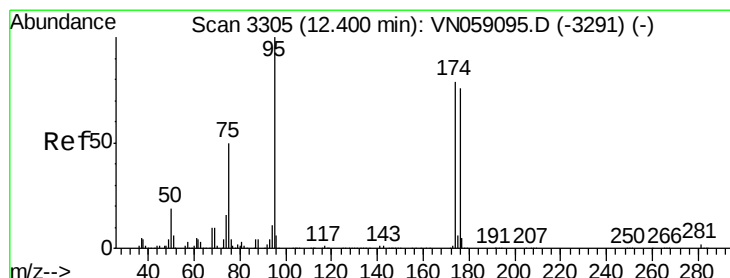
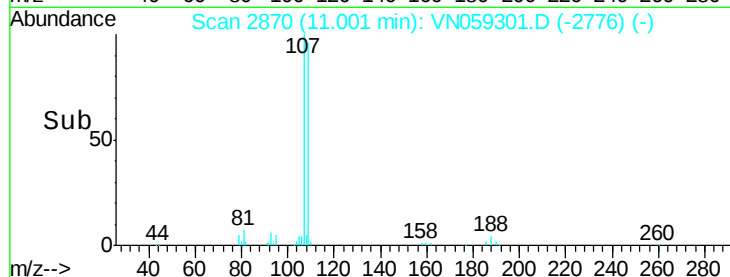
10000

0

11.00

10.95 11.00 11.05

Time-->



#62

4-Bromofluorobenzene

Concen: 47.799 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

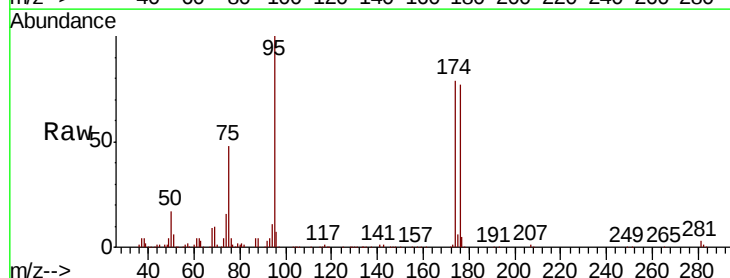
Tgt Ion: 95 Resp: 241993

Ion Ratio Lower Upper

95 100

174 78.1 0.0 158.2

176 76.6 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

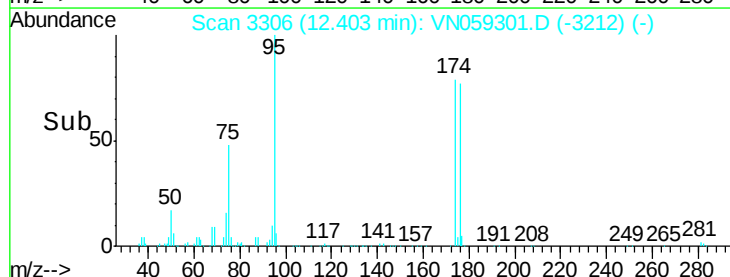
50000

0

12.40

12.30 12.40 12.50

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

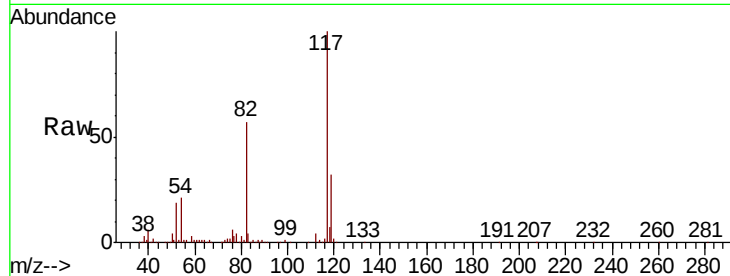
Tot Ion:117 Resp: 530207

Ion Ratio Lower Upper

117 100

82 56.6 45.8 68.8

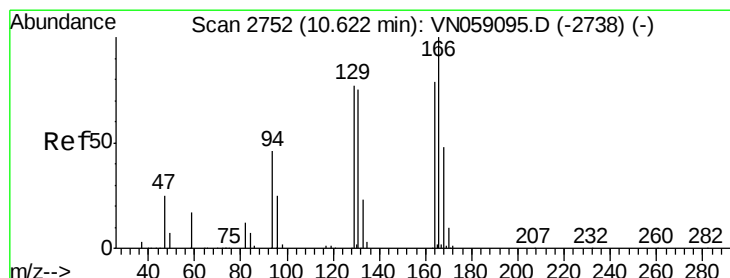
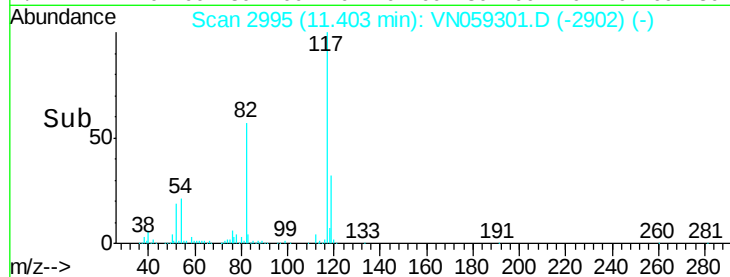
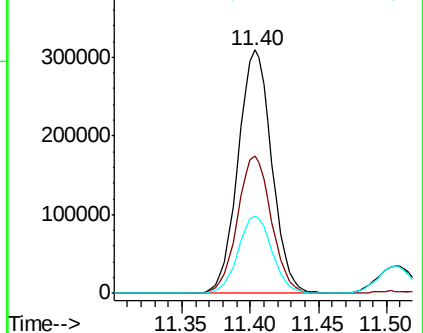
119 31.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 23.622 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion:164 Resp: 85165

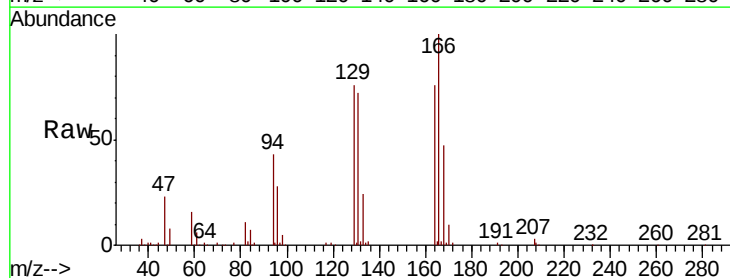
Ion Ratio Lower Upper

164 100

166 131.0 101.5 152.3

129 99.9 78.3 117.5

131 94.6 75.9 113.9

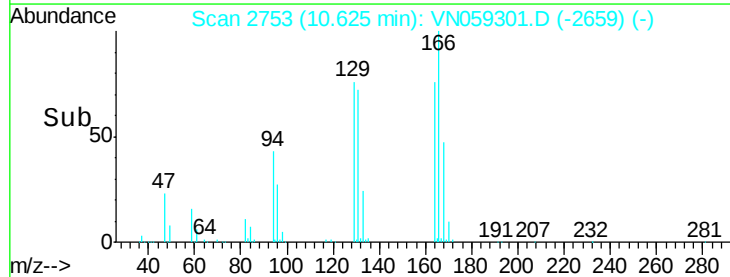
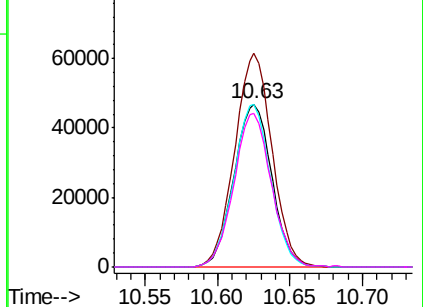


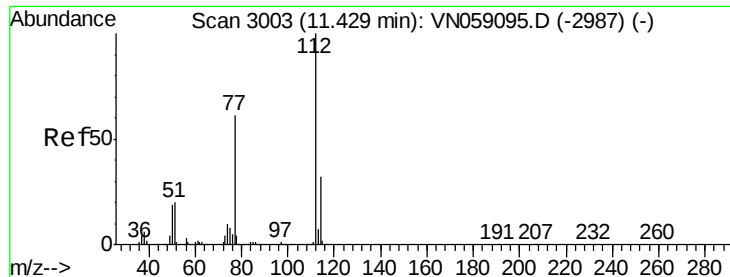
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 23.823 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

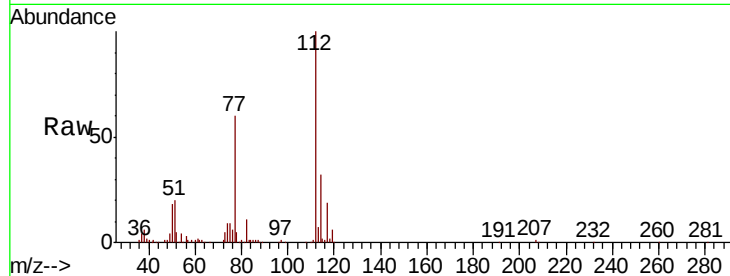
ClientSampleId :

Tot Ion:112 Resp: 246226

Ion Ratio Lower Upper

112 100

114 31.9 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

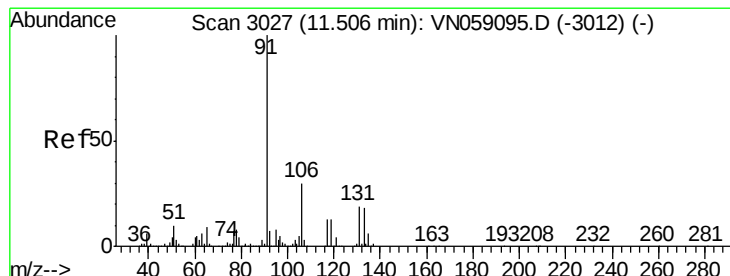
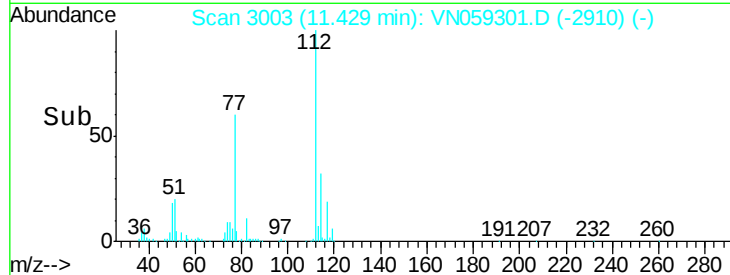
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.190 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

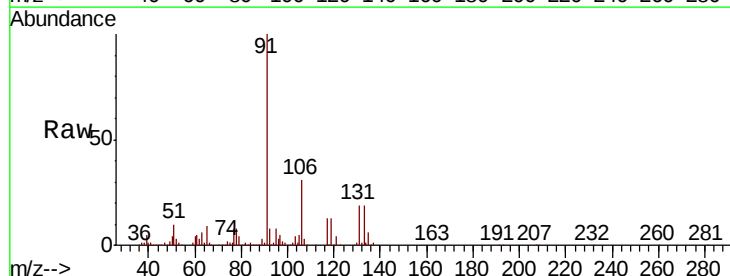
Tgt Ion:131 Resp: 89914

Ion Ratio Lower Upper

131 100

133 97.3 47.4 142.3

119 67.2 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

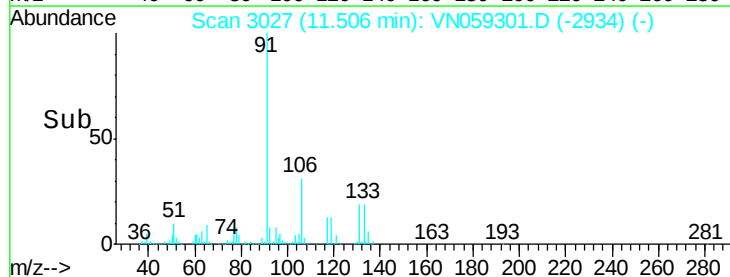
60000

40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 24.285 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

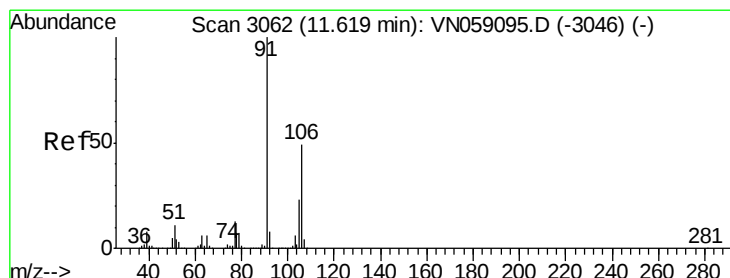
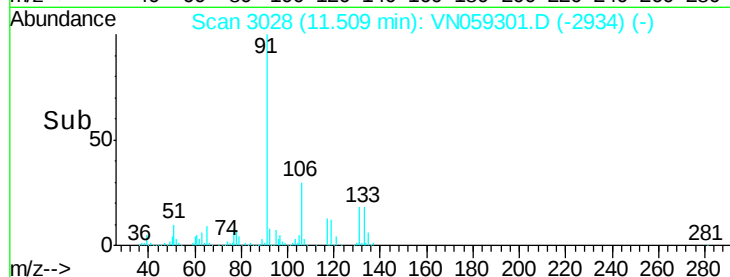
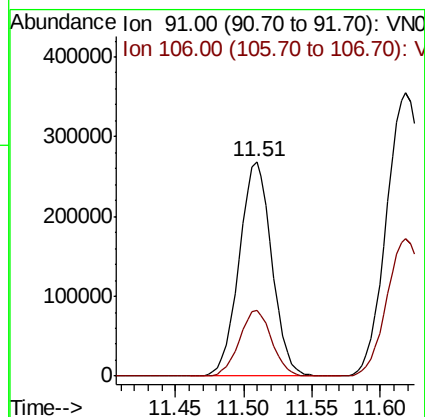
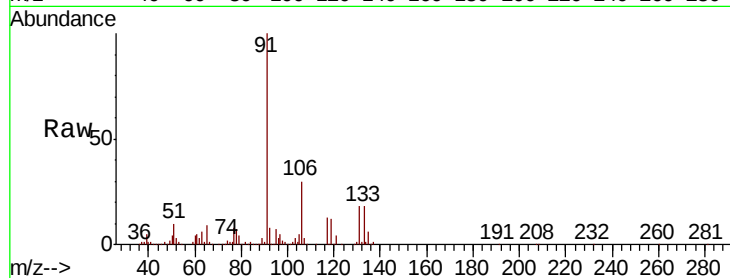
ClientSampled :

Tot Ion: 91 Resp: 445341

Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1



#68

m/p-Xylenes

Concen: 48.459 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059301.D

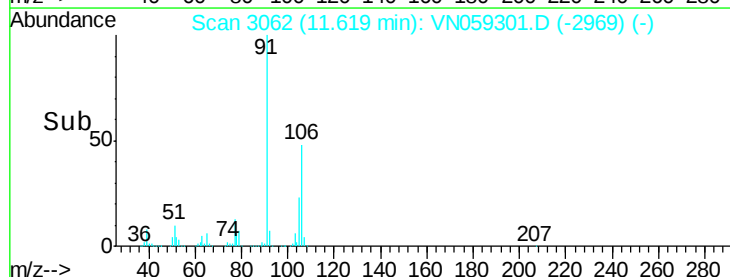
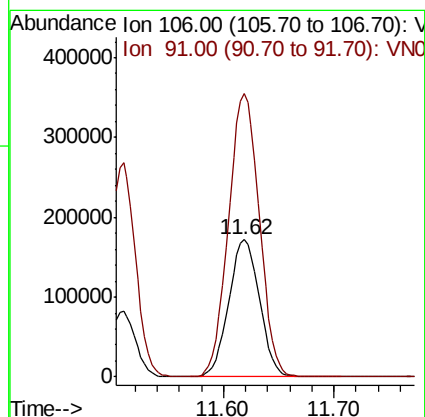
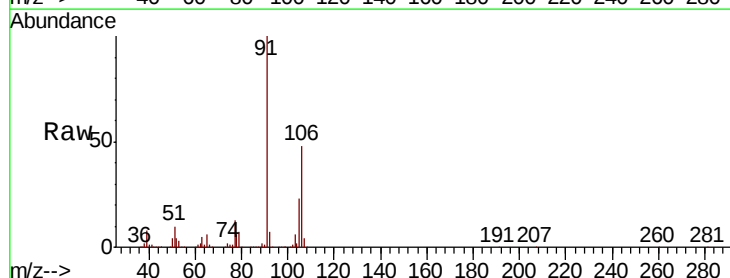
Acq: 19 Nov 2019 12:45

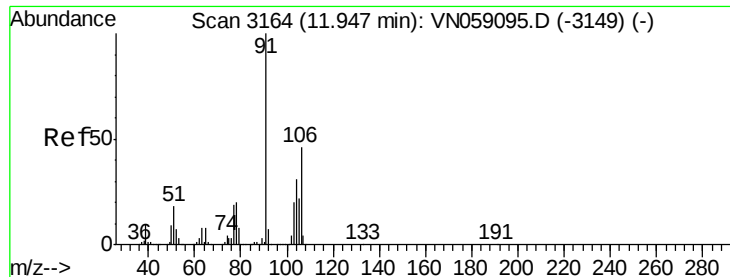
Tgt Ion: 106 Resp: 332875

Ion Ratio Lower Upper

106 100

91 206.4 164.7 247.1

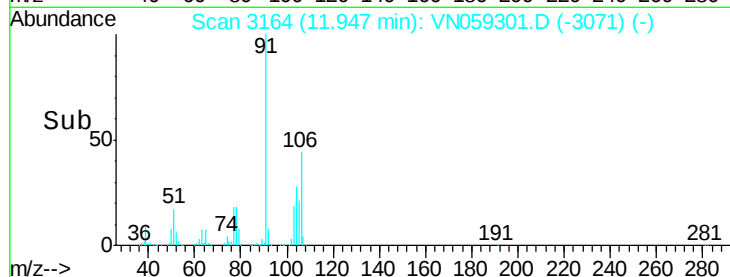
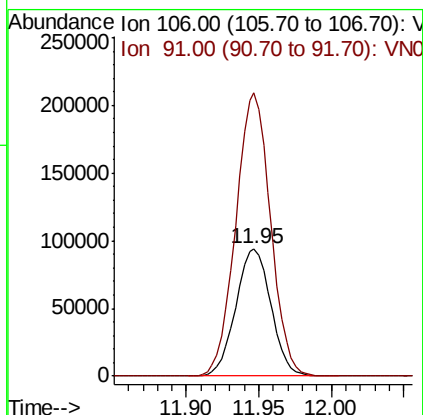
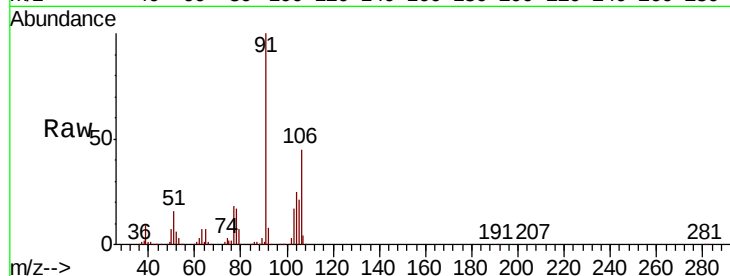




#69
o-Xylene
Concen: 23.843 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

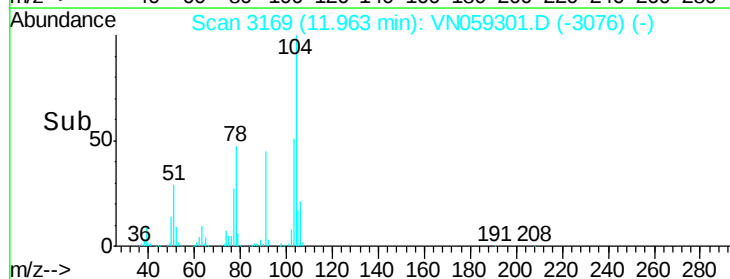
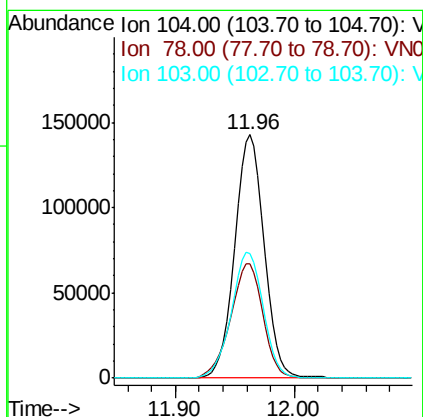
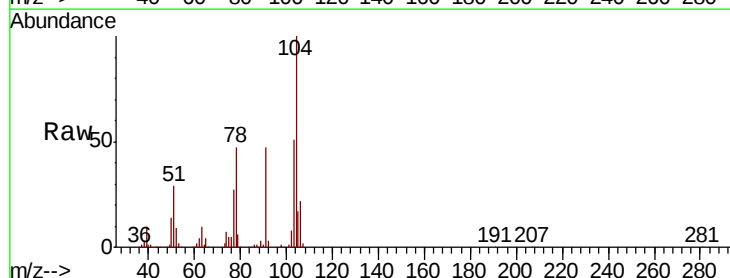
Instrument :
MSVOA_N
ClientSampled :

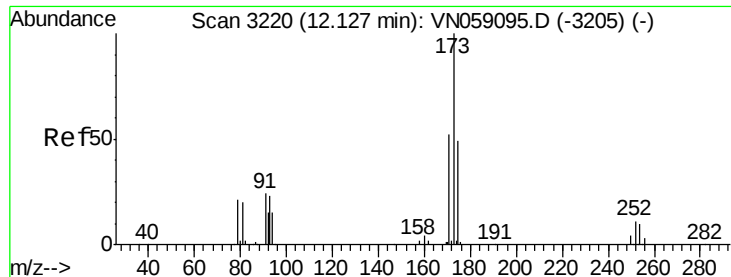
Tot Ion:106 Resp: 158283
Ion Ratio Lower Upper
106 100
91 220.0 110.1 330.3



#70
Styrene
Concen: 23.470 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion:104 Resp: 245040
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 56.2 43.8 65.6





#71

Bromoform

Concen: 22.321 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

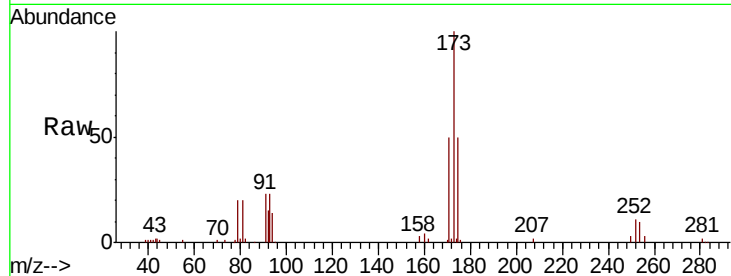
Tot Ion:173 Resp: 67316

Ion Ratio Lower Upper

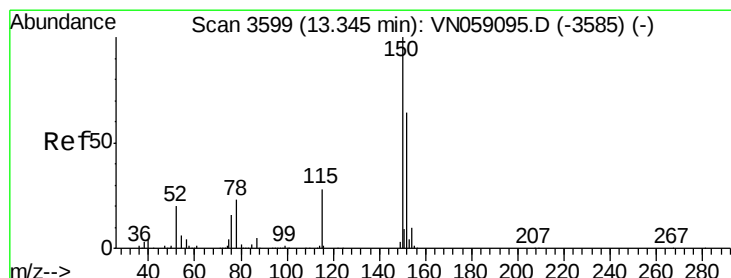
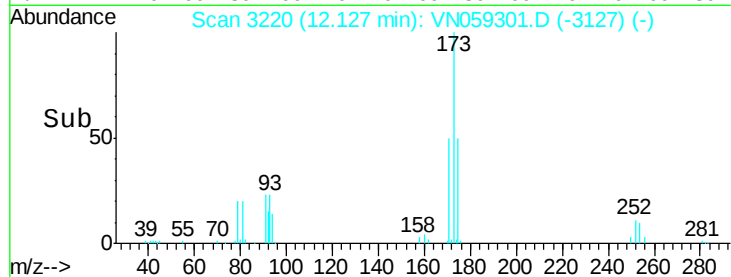
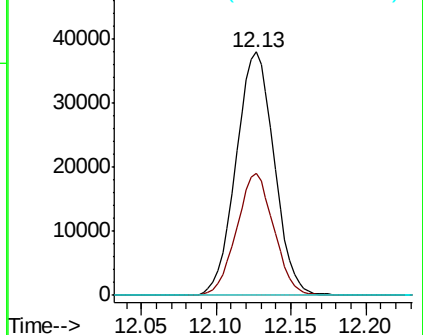
173 100

175 48.6 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

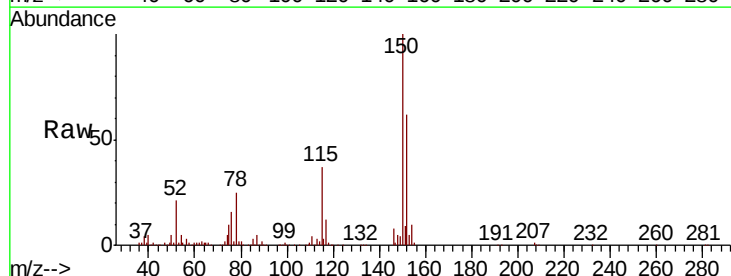
Tgt Ion:152 Resp: 236149

Ion Ratio Lower Upper

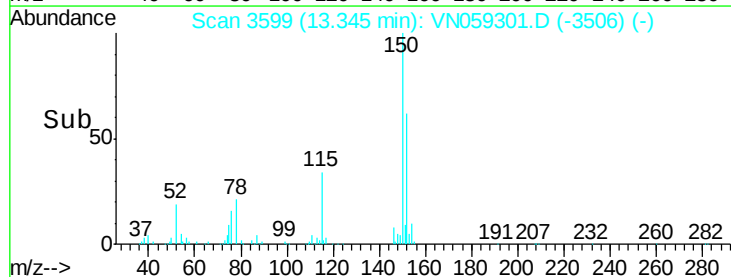
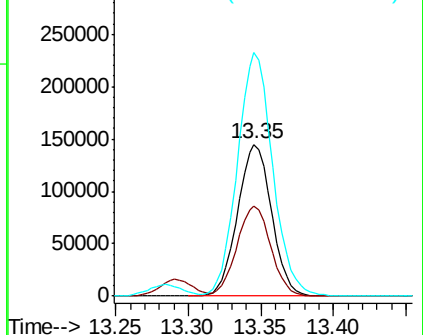
152 100

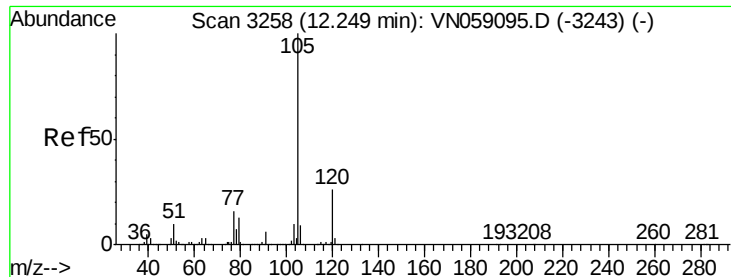
115 59.0 29.4 88.2

150 167.0 0.0 345.8



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





#73

Isopropylbenzene

Concen: 24.826 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

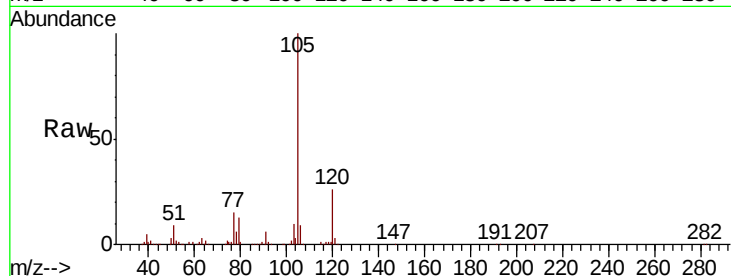
ClientSampleId :

Tot Ion:105 Resp: 426451

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

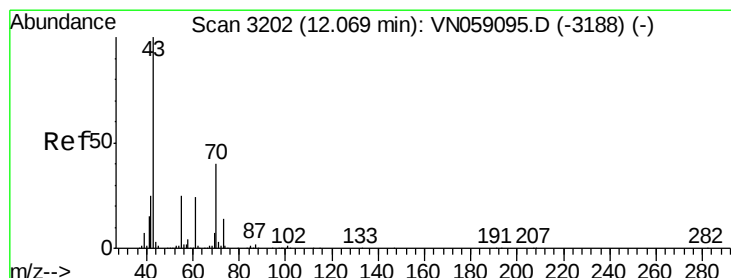
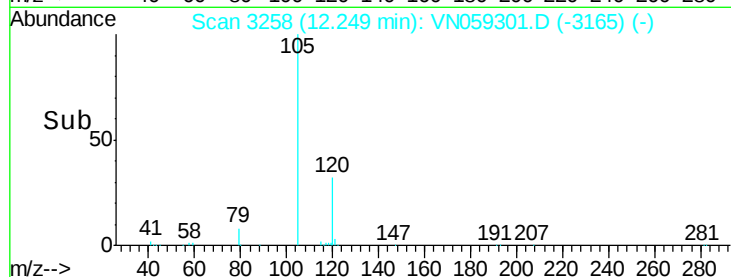
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 22.603 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Tgt Ion: 43 Resp: 164525

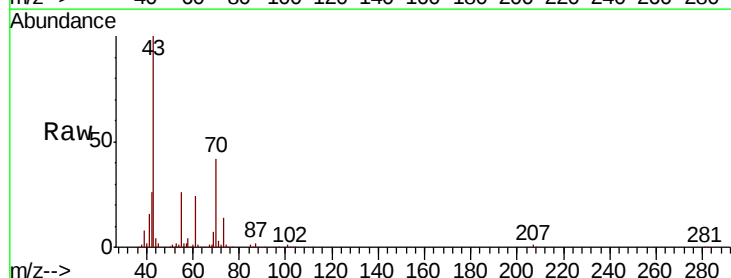
Ion Ratio Lower Upper

43 100

70 42.9 32.2 48.4

55 26.6 20.4 30.6

61 24.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

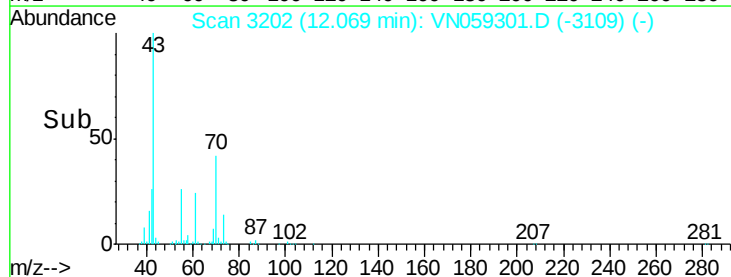
150000

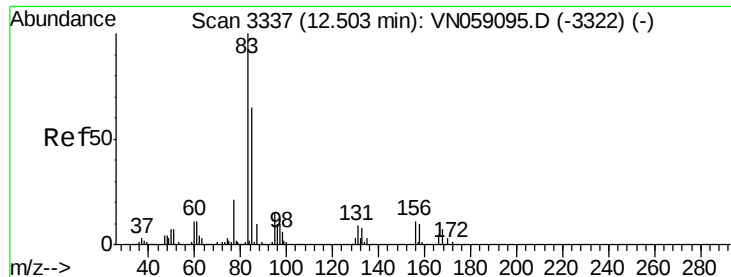
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 23.705 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

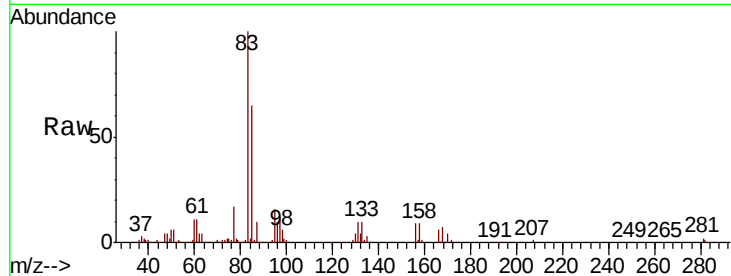
Tot Ion: 83 Resp: 138671

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

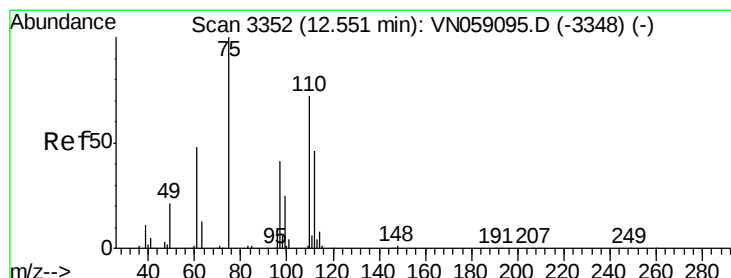
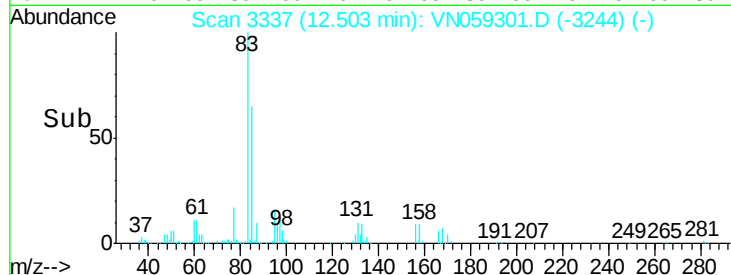
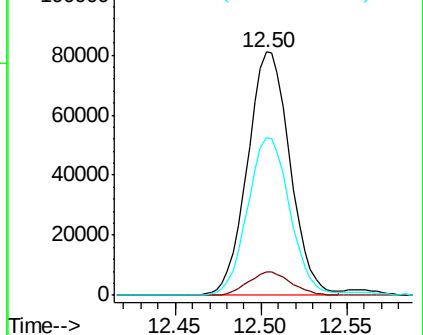
85 64.5 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.359 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059301.D

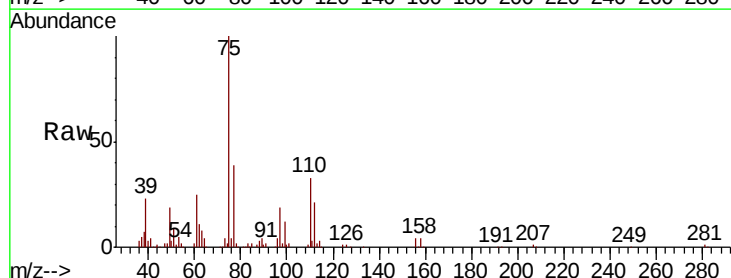
Acq: 19 Nov 2019 12:45

Tgt Ion: 75 Resp: 179348

Ion Ratio Lower Upper

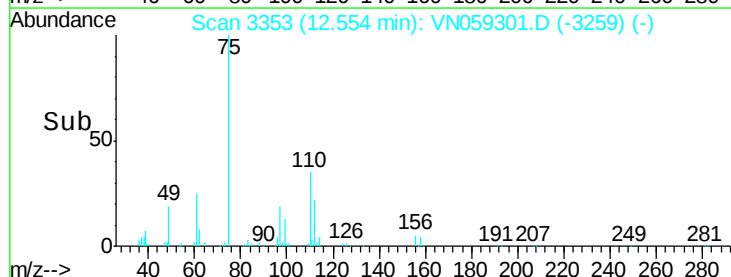
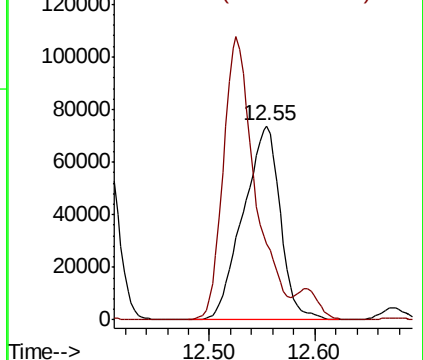
75 100

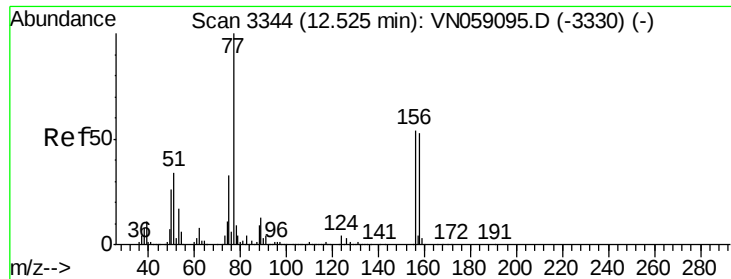
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 23.342 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

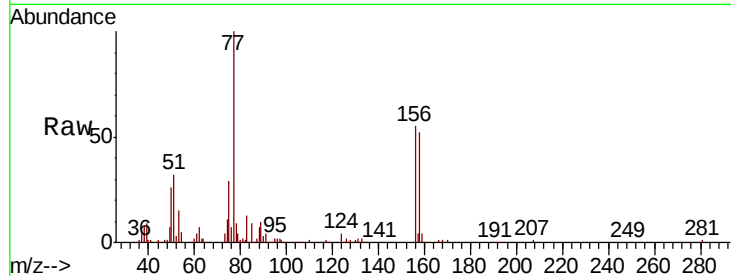
Tot Ion:156 Resp: 100736

Ion Ratio Lower Upper

156 100

77 224.8 112.8 338.3

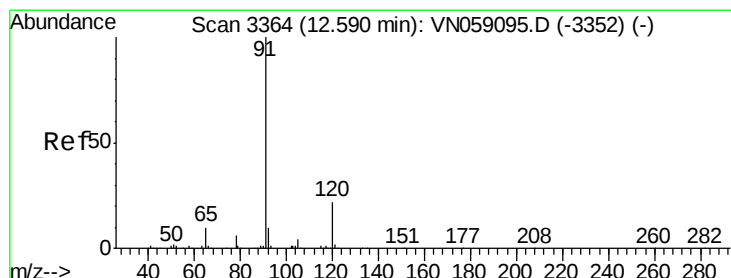
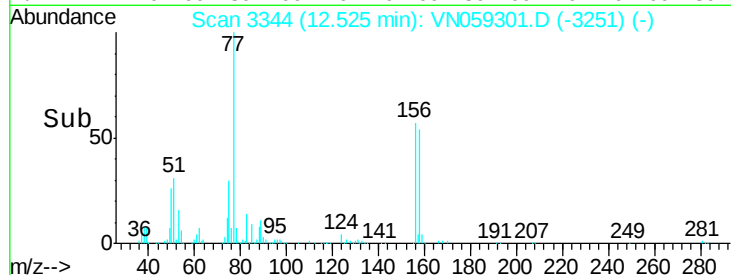
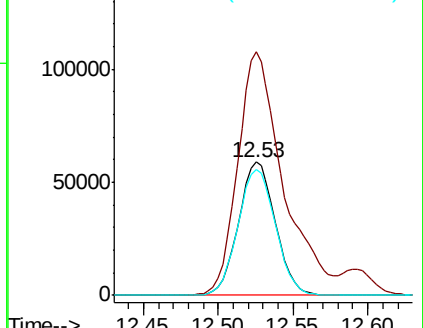
158 96.5 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 24.563 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059301.D

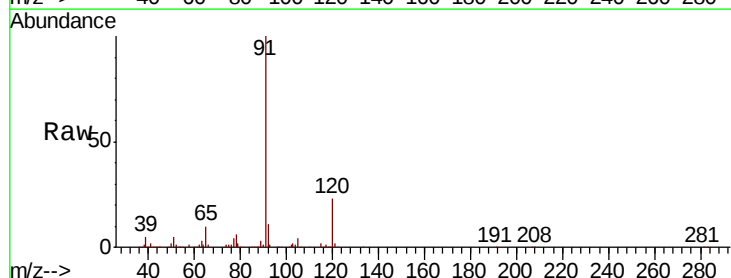
Acq: 19 Nov 2019 12:45

Tgt Ion: 91 Resp: 483106

Ion Ratio Lower Upper

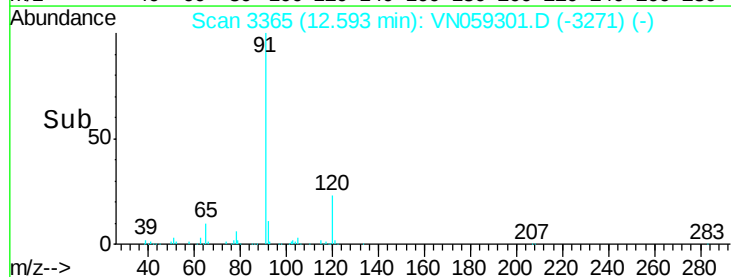
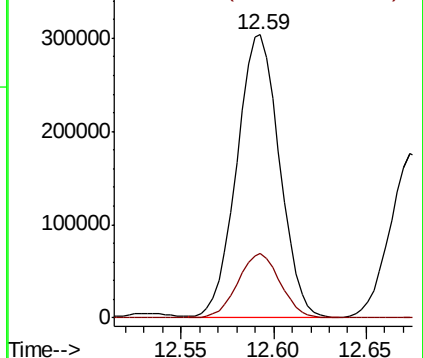
91 100

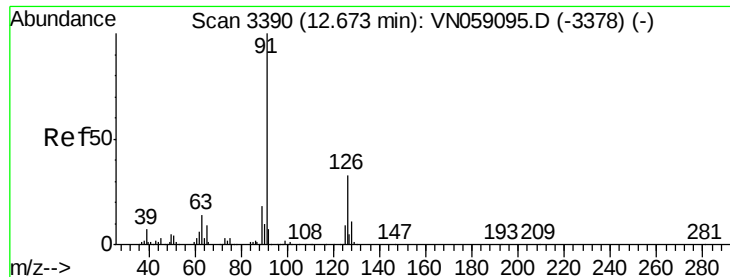
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

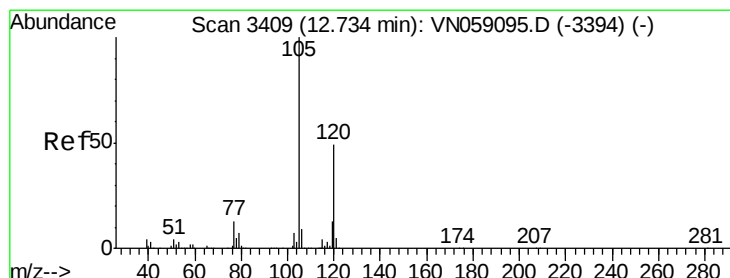
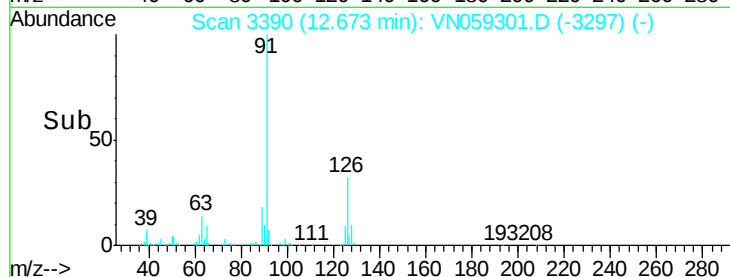
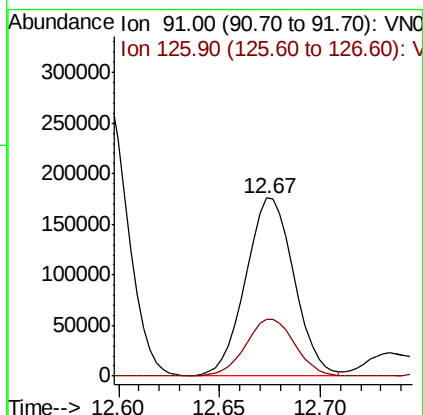
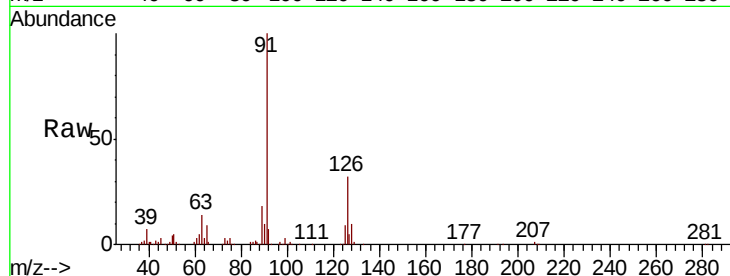




#79
 2-Chlorotoluene
 Concen: 24.086 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

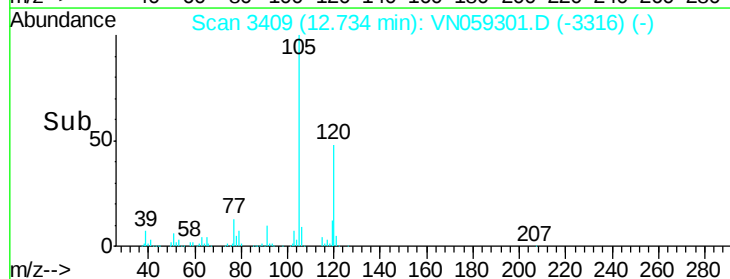
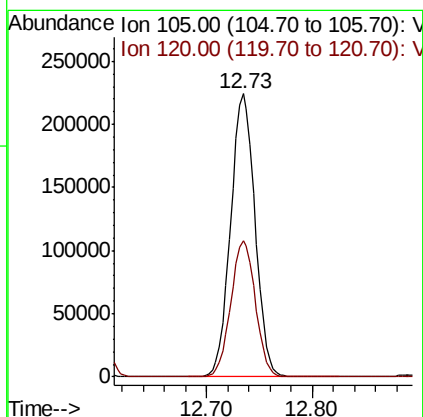
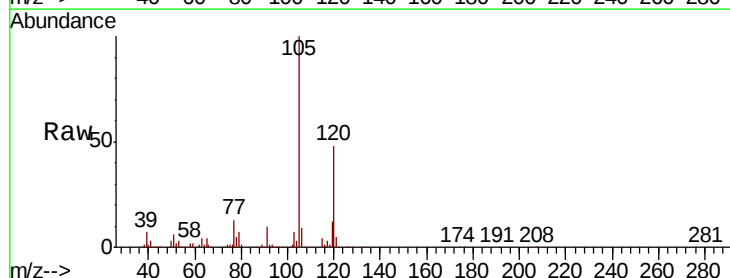
Instrument :
 MSVOA_N
 ClientSampleId :

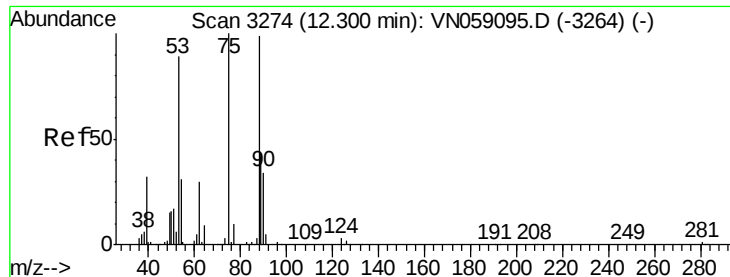
Tot Ion: 91 Resp: 293876
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 24.639 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Tgt Ion: 105 Resp: 358627
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.251 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

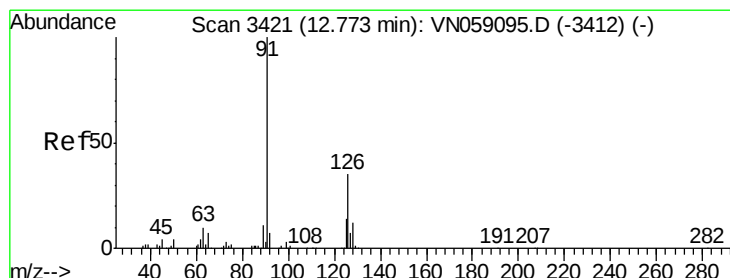
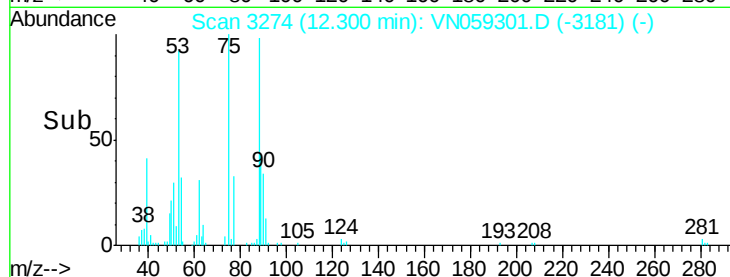
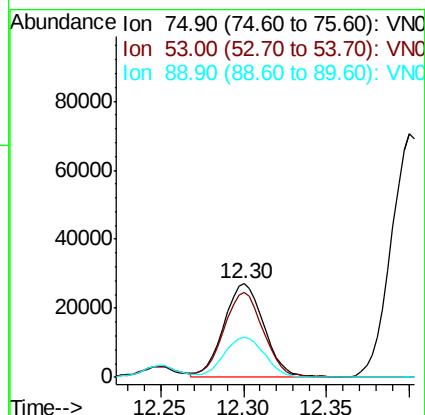
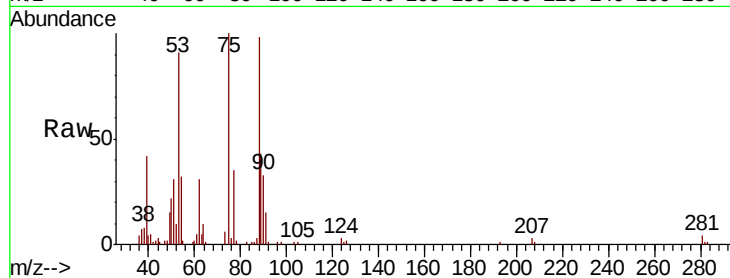
Tot Ion: 75 Resp: 45292

Ion Ratio Lower Upper

75 100

53 90.6 72.2 108.2

89 43.8 35.8 53.8



#82

4-Chlorotoluene

Concen: 23.810 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059301.D

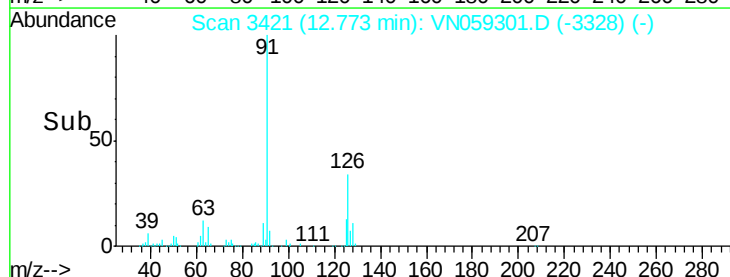
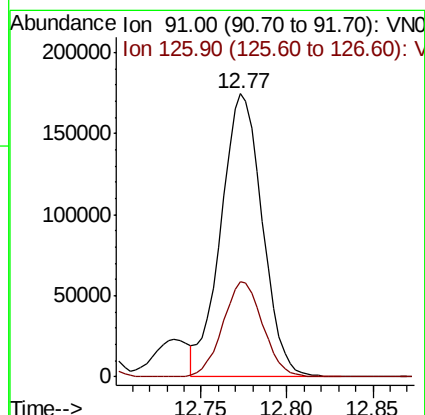
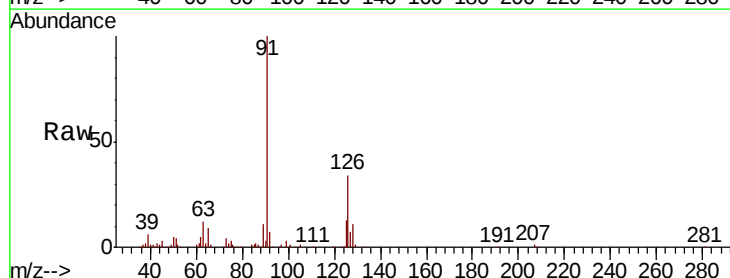
Acq: 19 Nov 2019 12:45

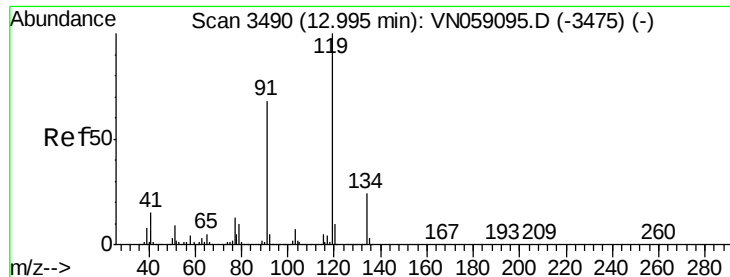
Tgt Ion: 91 Resp: 291379

Ion Ratio Lower Upper

91 100

126 32.7 16.1 48.2





#83

tert-Butylbenzene

Concen: 24.453 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

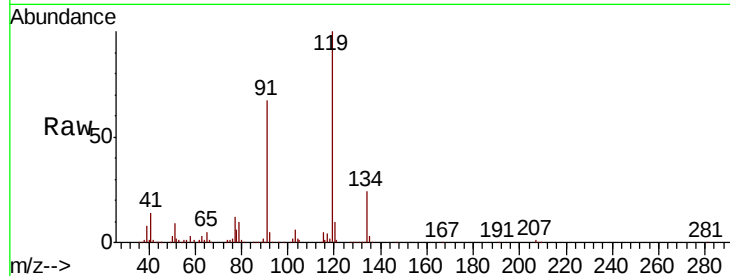
Tot Ion:119 Resp: 307373

Ion Ratio Lower Upper

119 100

91 65.3 33.2 99.6

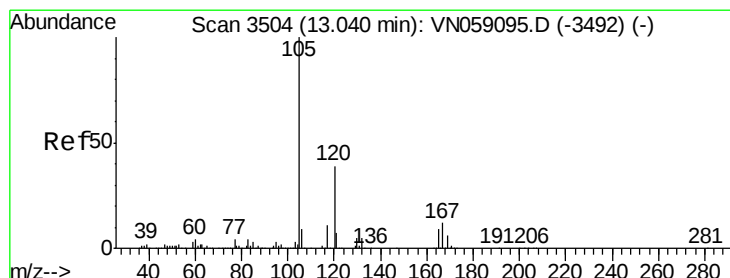
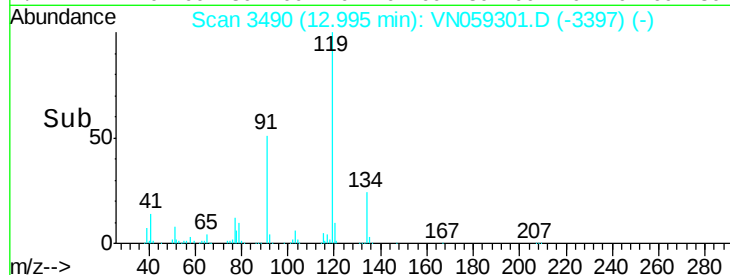
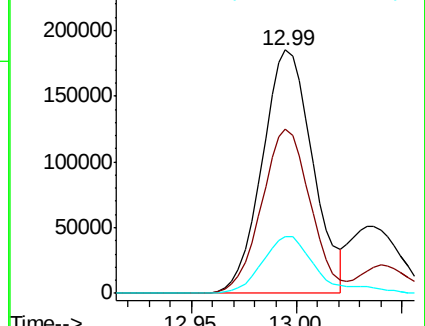
134 25.2 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 24.979 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059301.D

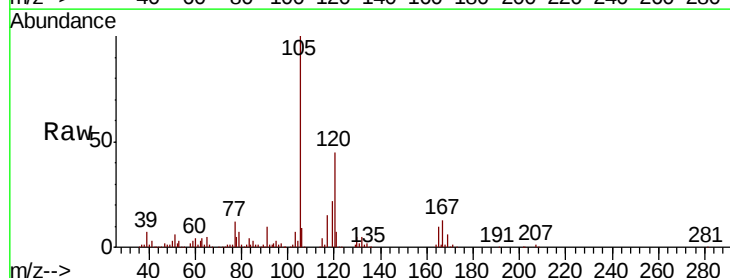
Acq: 19 Nov 2019 12:45

Tgt Ion:105 Resp: 351767

Ion Ratio Lower Upper

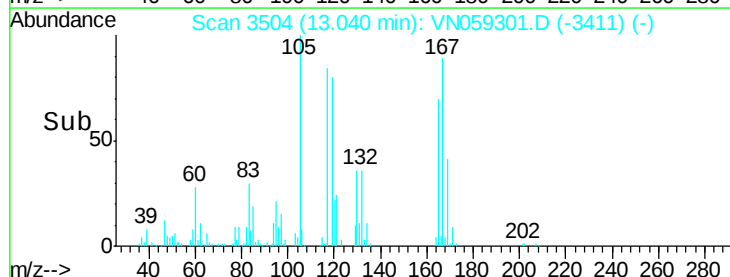
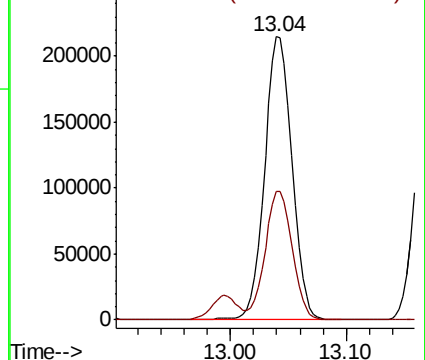
105 100

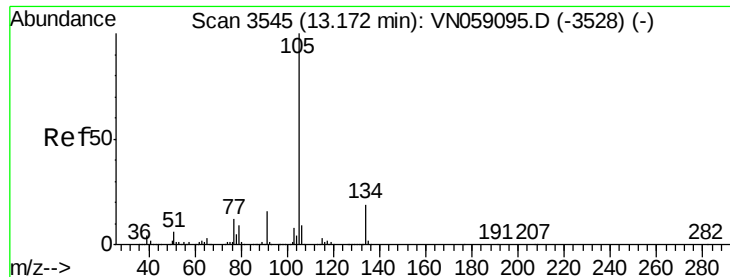
120 44.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 24.807 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

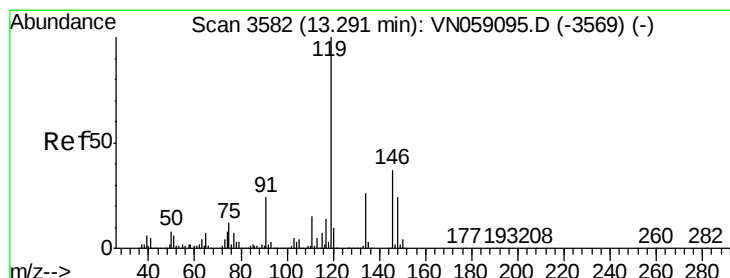
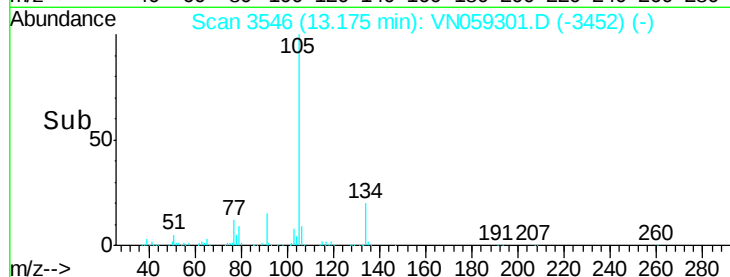
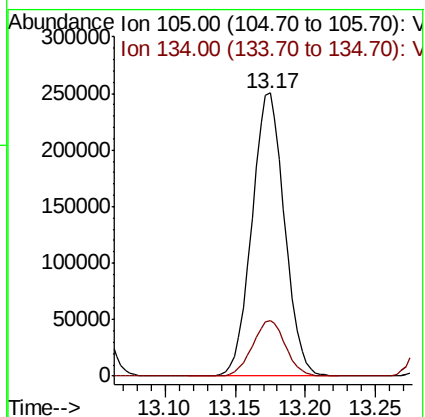
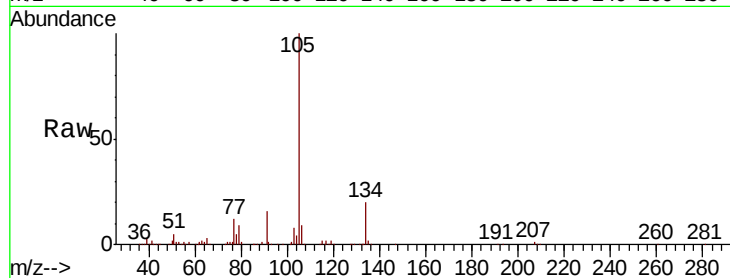
ClientSampled :

Tot Ion:105 Resp: 405533

Ion Ratio Lower Upper

105 100

134 19.7 9.7 29.1



#86

p-Isopropyltoluene

Concen: 24.936 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

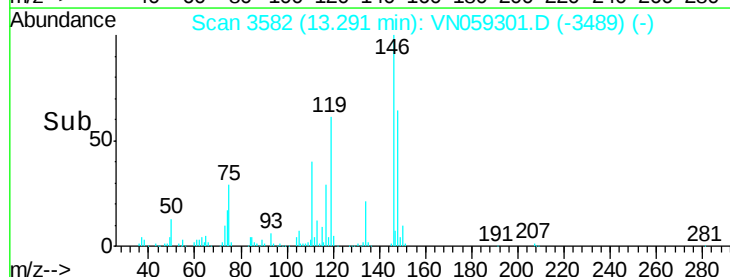
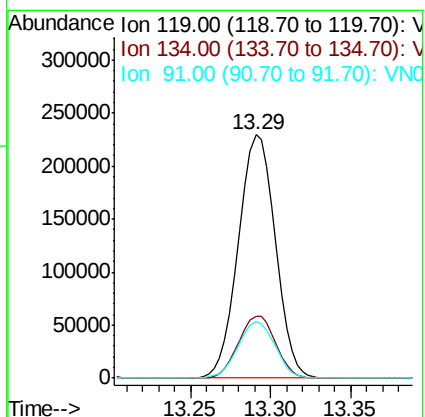
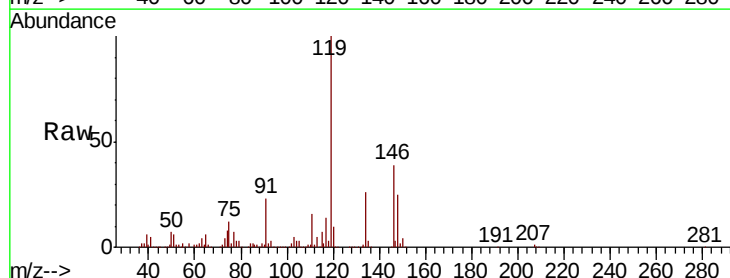
Tgt Ion:119 Resp: 359941

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 23.558 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

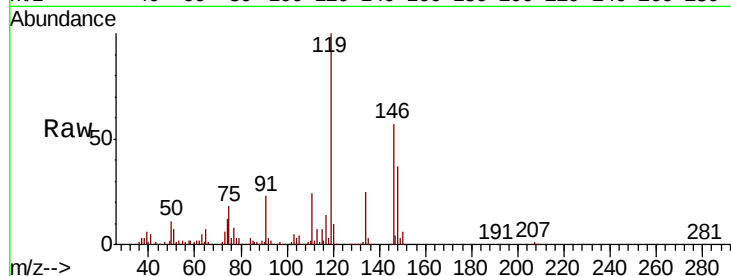
Tot Ion:146 Resp: 174103

Ion Ratio Lower Upper

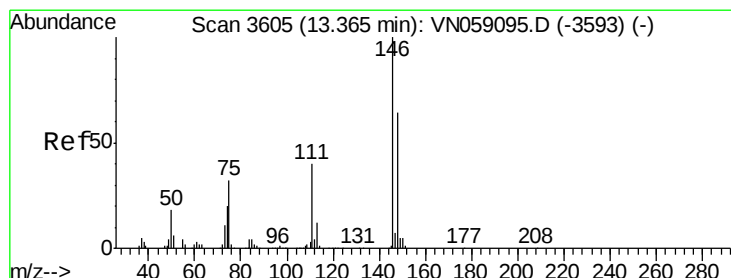
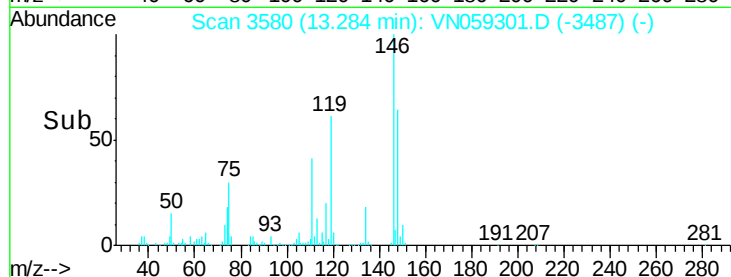
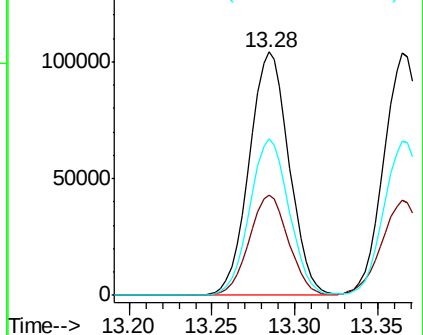
146 100

111 40.7 20.4 61.3

148 63.4 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 22.963 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

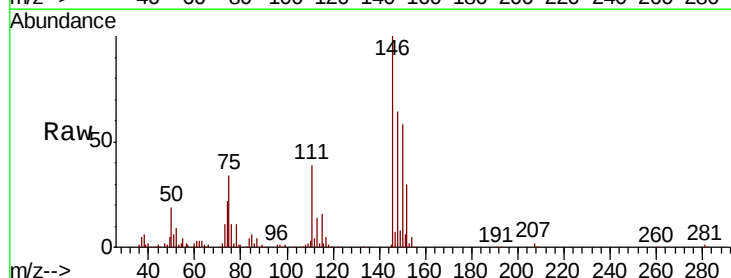
Tgt Ion:146 Resp: 169794

Ion Ratio Lower Upper

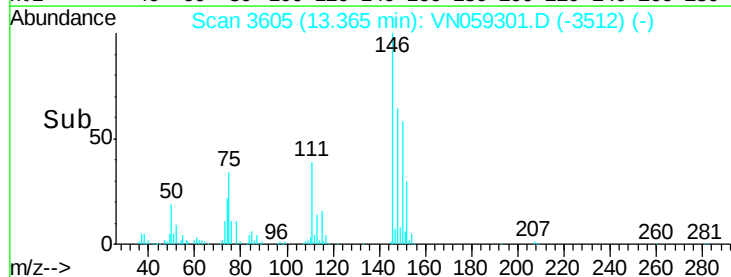
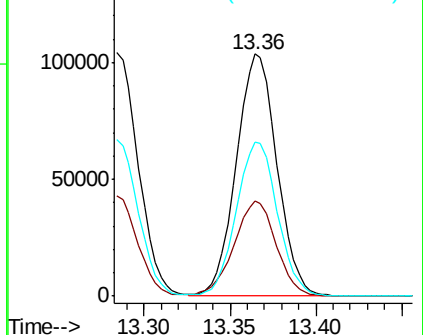
146 100

111 40.9 20.3 60.9

148 64.8 31.9 95.7



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

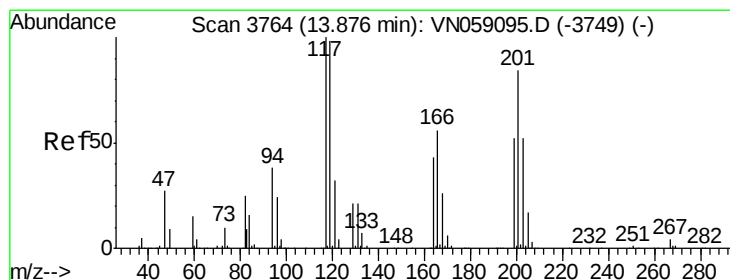
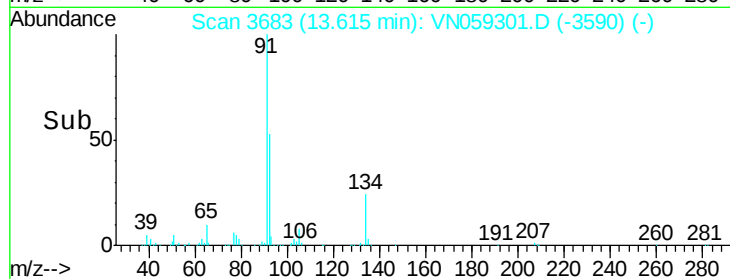
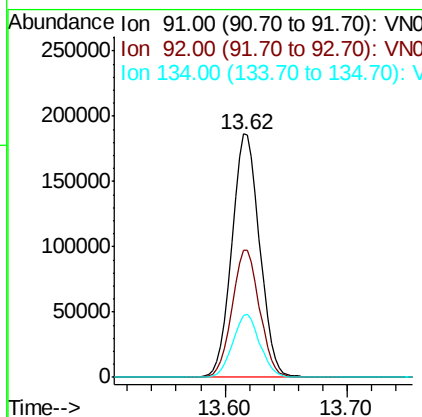
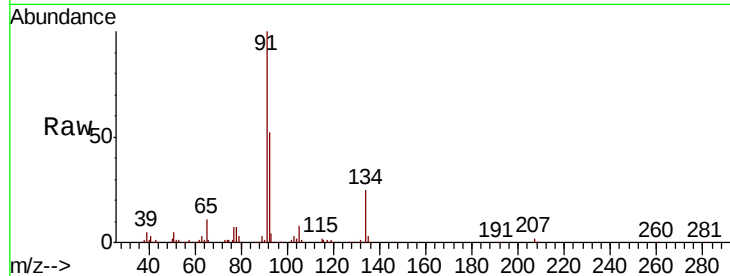




#89
n-Butylbenzene
Concen: 23.457 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

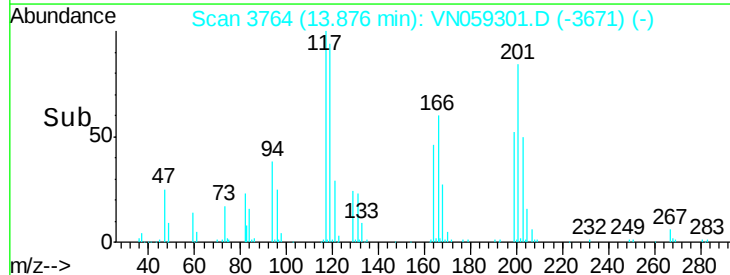
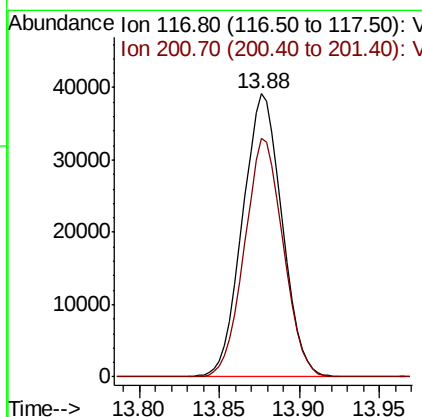
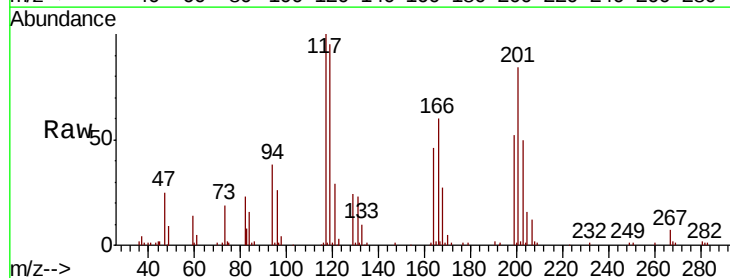
Instrument :
MSVOA_N
ClientSampleId :

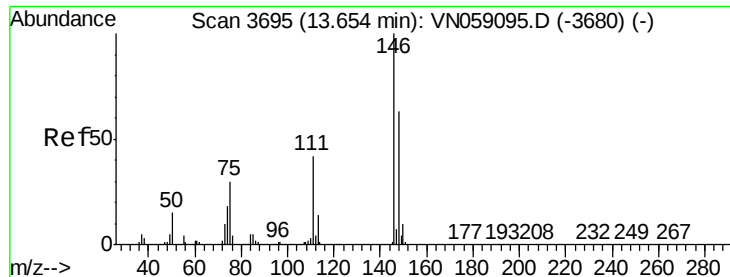
Tot Ion: 91 Resp: 296346
Ion Ratio Lower Upper
91 100
92 51.8 26.1 78.3
134 25.2 12.6 37.8



#90
Hexachloroethane
Concen: 22.821 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059301.D
Acq: 19 Nov 2019 12:45

Tgt Ion: 117 Resp: 66145
Ion Ratio Lower Upper
117 100
201 82.5 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 23.654 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

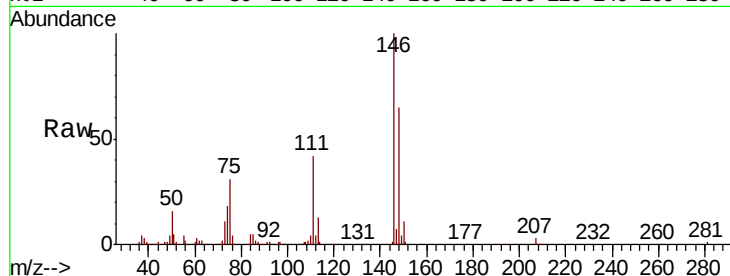
Tot Ion:146 Resp: 171965

Ion Ratio Lower Upper

146 100

111 41.8 21.2 63.6

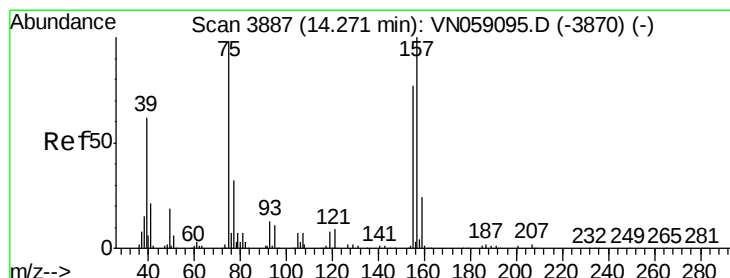
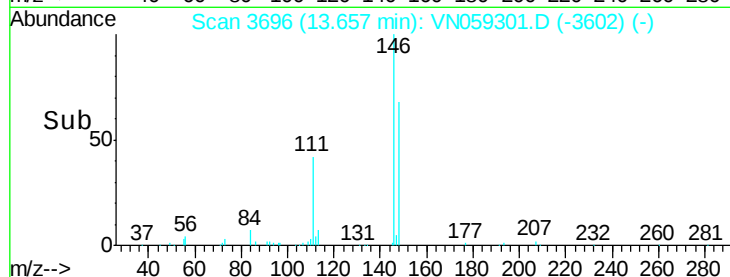
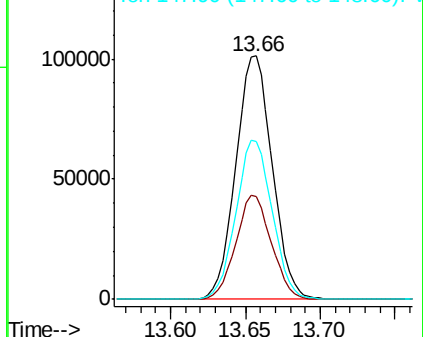
148 65.1 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.397 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

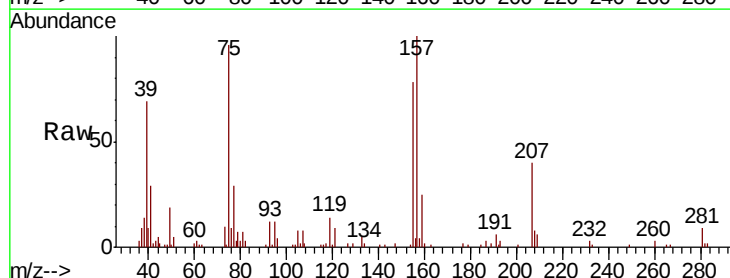
Tgt Ion: 75 Resp: 27290

Ion Ratio Lower Upper

75 100

155 76.6 40.2 120.6

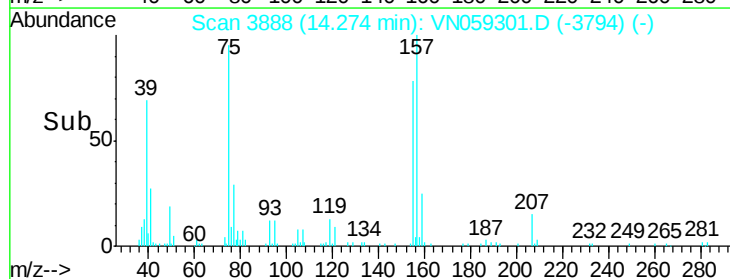
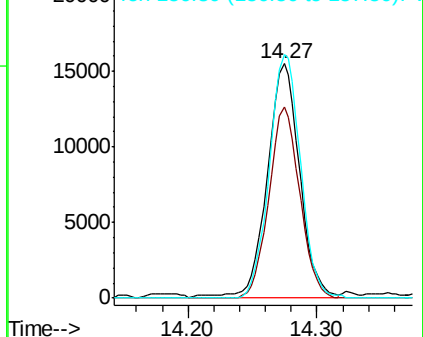
157 99.3 51.8 155.5

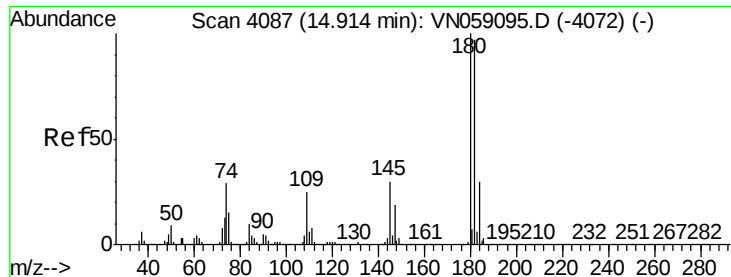


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

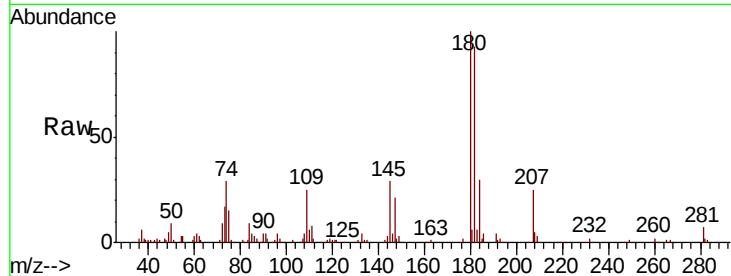




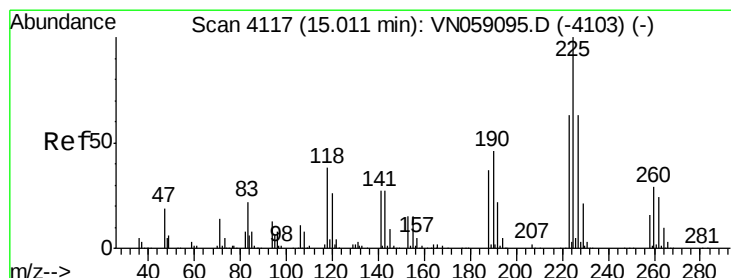
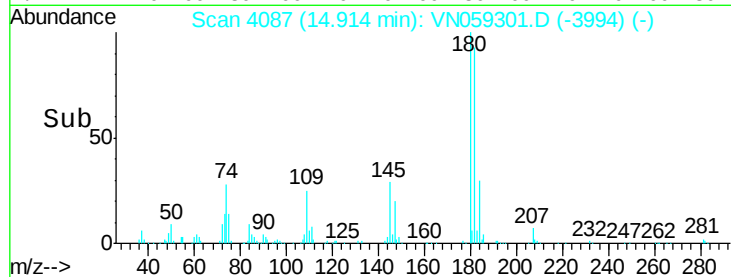
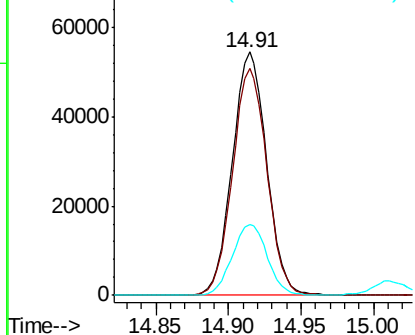
#93
 1,2,4-Trichlorobenzene
 Concen: 22.085 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.1	144.3
145	29.8	15.1	45.3

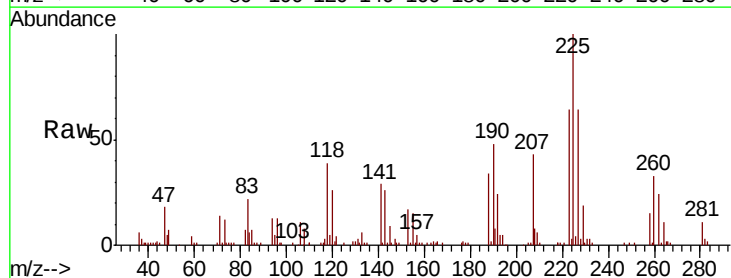


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

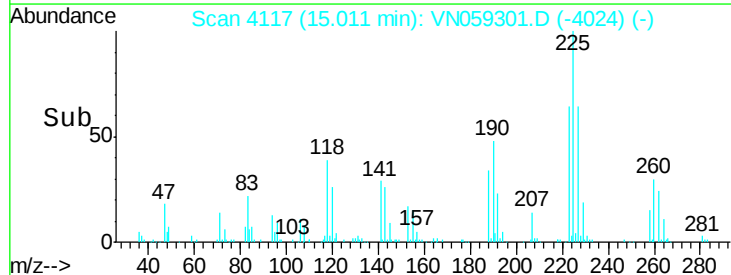
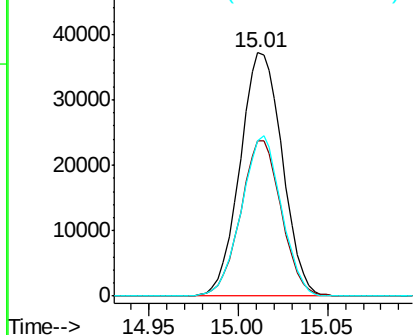


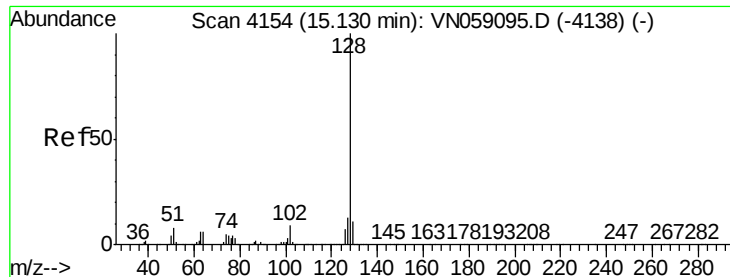
#94
 Hexachlorobutadiene
 Concen: 24.522 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059301.D
 Acq: 19 Nov 2019 12:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.9
227	62.6	31.5	94.5



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





#95

Naphthalene

Concen: 21.526 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

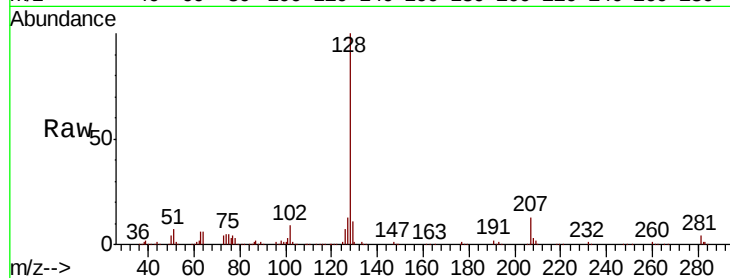
Tot Ion:128 Resp: 240826

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

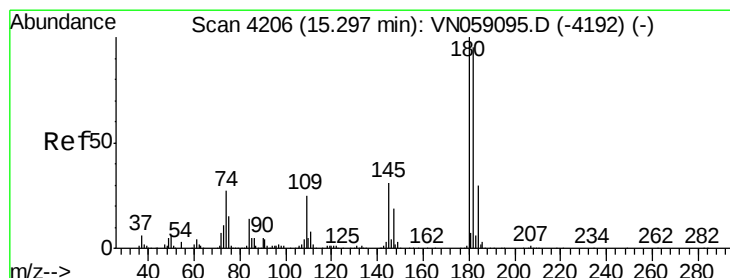
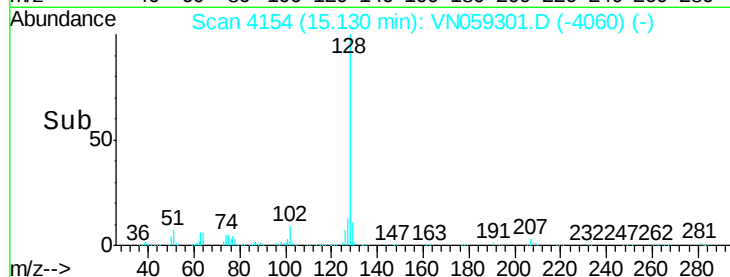
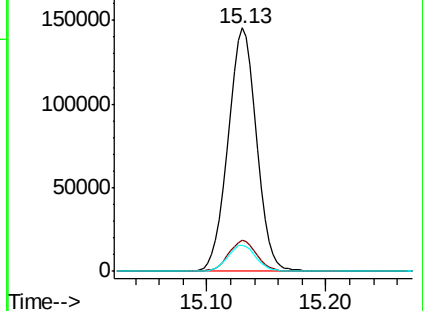
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.472 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059301.D

Acq: 19 Nov 2019 12:45

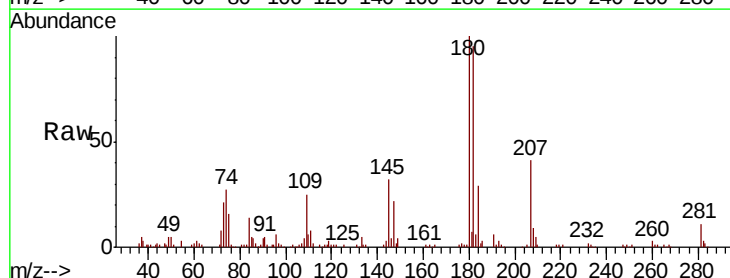
Tgt Ion:180 Resp: 91557

Ion Ratio Lower Upper

180 100

182 94.5 47.3 141.8

145 32.9 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

