

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110619\
 Data File : VN059103.D
 Acq On : 6 Nov 2019 13:34
 Operator : JC/SP
 Sample : VN1106WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:05:33 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	488524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	769742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	687805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309511	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	299847	49.93	ug/l	0.00
Spiked Amount						
			Recovery	=	99.86%	
35) Dibromofluoromethane	7.57	113	232206	50.52	ug/l	0.00
Spiked Amount						
			Recovery	=	101.04%	
50) Toluene-d8	10.08	98	918174	50.72	ug/l	0.00
Spiked Amount						
			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	321614	49.27	ug/l	0.00
Spiked Amount						
			Recovery	=	98.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	97886	19.887	ug/l	100
3) Chloromethane	2.04	50	130664	19.529	ug/l	98
4) Vinyl Chloride	2.17	62	129143	19.908	ug/l	99
5) Bromomethane	2.55	94	76166	20.404	ug/l	99
6) Chloroethane	2.68	64	76756	20.003	ug/l	99
7) Trichlorofluoromethane	3.00	101	157334	20.278	ug/l	99
8) Diethyl Ether	3.39	74	64774	20.546	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94875	20.280	ug/l	100
10) Methyl Iodide	3.93	142	116295	20.083	ug/l	99
11) Tert butyl alcohol	4.75	59	118368	103.427	ug/l	99
12) 1,1-Dichloroethene	3.71	96	91821	20.149	ug/l	99
13) Acrolein	3.58	56	59589	100.988	ug/l	97
14) Allyl chloride	4.30	41	187334	20.012	ug/l	98
15) Acrylonitrile	4.96	53	301180	105.745	ug/l	99
16) Acetone	3.79	43	303417	97.161	ug/l	96
17) Carbon Disulfide	4.03	76	277608	19.624	ug/l	100
18) Methyl Acetate	4.30	43	155452	20.972	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	328470	20.935	ug/l	99
20) Methylene Chloride	4.52	84	109734	20.170	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	99973	20.437	ug/l	97
22) Diisopropyl ether	5.92	45	365792	20.688	ug/l	97
23) Vinyl Acetate	5.87	43	1514870	110.546	ug/l	99
24) 1,1-Dichloroethane	5.82	63	200610	20.314	ug/l	99
25) 2-Butanone	6.81	43	424659	103.180	ug/l	98
26) 2,2-Dichloropropane	6.80	77	167971	19.452	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	115851	20.414	ug/l	100
28) Bromochloromethane	7.17	49	61415	20.670	ug/l	100
29) Tetrahydrofuran	7.19	42	277764	106.215	ug/l	99
30) Chloroform	7.35	83	192784	20.350	ug/l	99
31) Cyclohexane	7.63	56	185544	19.846	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	165248	20.747	ug/l	100
36) 1,1-Dichloropropene	7.77	75	145911	20.280	ug/l	99
37) Ethyl Acetate	6.90	43	155344	19.408	ug/l	96
38) Carbon Tetrachloride	7.75	117	142634	19.918	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	171124	20.493	ug/l	98
40) Benzene	8.02	78	445238	20.550	ug/l	99
41) Methacrylonitrile	7.15	41	75480	21.687	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	151628	20.405	ug/l	100
43) Isopropyl Acetate	8.14	43	254972	19.981	ug/l	100
44) Trichloroethene	8.82	130	106817	20.056	ug/l	99
45) 1,2-Dichloropropane	9.10	63	120511	20.478	ug/l	98
46) Dibromomethane	9.19	93	73959	20.168	ug/l	99
47) Bromodichloromethane	9.39	83	151669	20.712	ug/l	100
48) Methyl methacrylate	9.18	41	114586	20.076	ug/l	99
49) 1,4-Dioxane	9.18	88	42492	418.910	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	813064	112.610	ug/l	99
52) Toluene	10.15	92	264890	20.398	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	168345	19.898	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	185595	20.394	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	107904	20.531	ug/l	98
56) Ethyl methacrylate	10.42	69	163569	19.834	ug/l	100
57) 1,3-Dichloropropane	10.70	76	184376	20.383	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	329149	112.535	ug/l	100
59) 2-Hexanone	10.74	43	604655	109.107	ug/l	100
60) Dibromochloromethane	10.90	129	111990	20.154	ug/l	100
61) 1,2-Dibromoethane	11.00	107	107433	20.193	ug/l	99
64) Tetrachloroethene	10.63	164	96479	20.629	ug/l	96
65) Chlorobenzene	11.43	112	281439	20.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	104419	20.761	ug/l	99
67) Ethyl Benzene	11.51	91	503034	21.146	ug/l	99
68) m/p-Xylenes	11.62	106	366482	41.127	ug/l	98
69) o-Xylene	11.95	106	175545	20.385	ug/l	99
70) Styrene	11.96	104	280642	20.721	ug/l	99
71) Bromoform	12.13	173	78269	20.006	ug/l #	98
73) Isopropylbenzene	12.25	105	478449	21.251	ug/l	100
74) N-amyl acetate	12.07	43	203177	21.297	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	161605	21.078	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	215713	30.613	ug/l #	100
77) Bromobenzene	12.53	156	113917	20.139	ug/l	98
78) n-propylbenzene	12.59	91	549529	21.317	ug/l	100
79) 2-Chlorotoluene	12.67	91	328583	20.547	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	401373	21.039	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54212	20.320	ug/l	97
82) 4-Chlorotoluene	12.77	91	333771	20.810	ug/l	99
83) tert-Butylbenzene	12.99	119	343144	20.829	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	395647	21.436	ug/l	98
85) sec-Butylbenzene	13.17	105	448654	20.940	ug/l	99
86) p-Isopropyltoluene	13.29	119	404246	21.368	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	199392	20.585	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	195948	20.219	ug/l	99
89) n-Butylbenzene	13.62	91	341215	20.607	ug/l	99
90) Hexachloroethane	13.88	117	74947	19.729	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	199604	20.948	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32571	21.308	ug/l	94

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101067	19.464	ug/l	98
94) Hexachlorobutadiene	15.01	225	64222	19.548	ug/l	100
95) Naphthalene	15.13	128	285809	19.780	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	107398	20.112	ug/l	100

(#) = 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: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

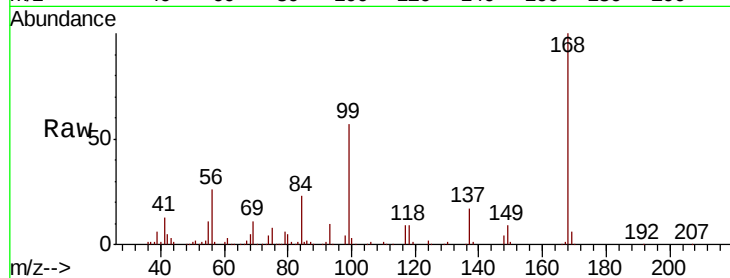
ClientSampleId :

Tot Ion:168 Resp: 488524

Ion Ratio Lower Upper

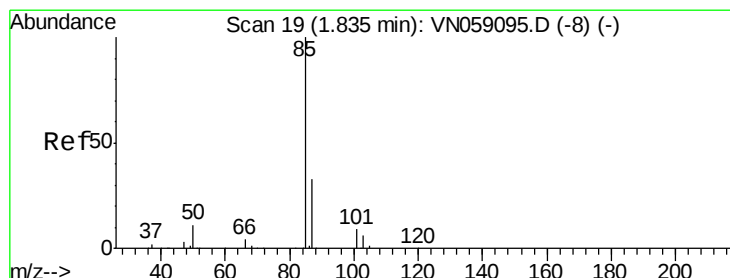
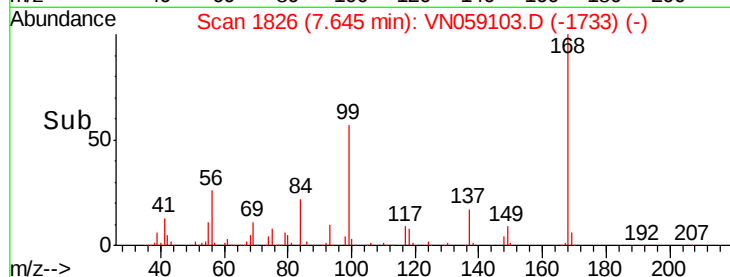
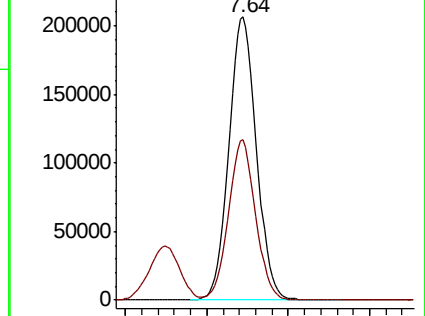
168 100

99 56.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.887 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059103.D

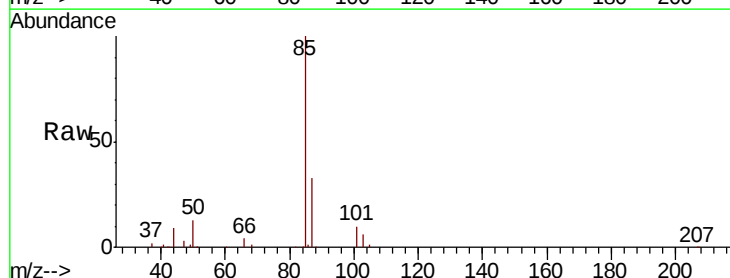
Acq: 6 Nov 2019 13:34

Tgt Ion: 85 Resp: 97886

Ion Ratio Lower Upper

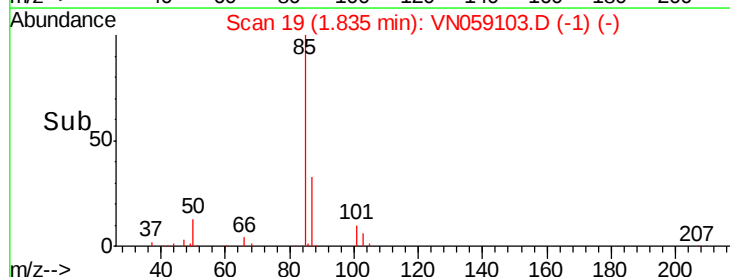
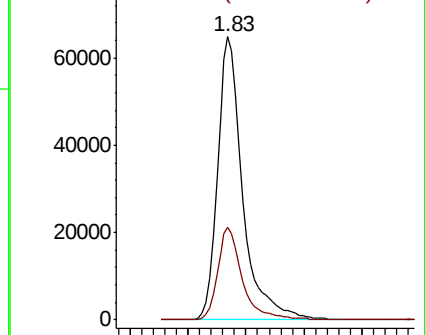
85 100

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





#3

Chloromethane

Concen: 19.529 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

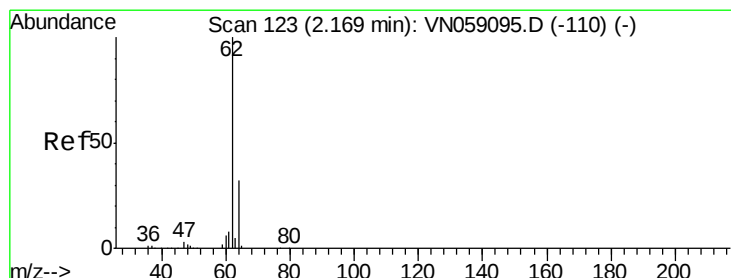
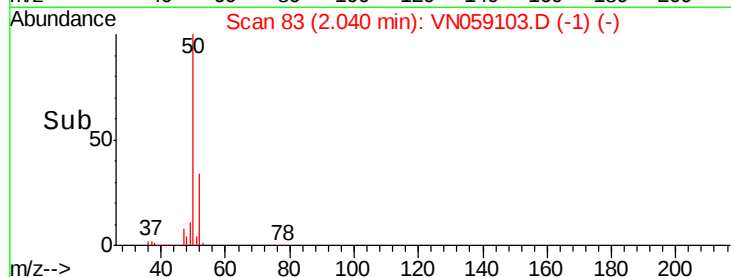
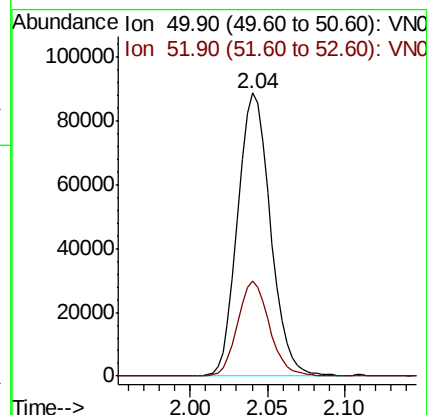
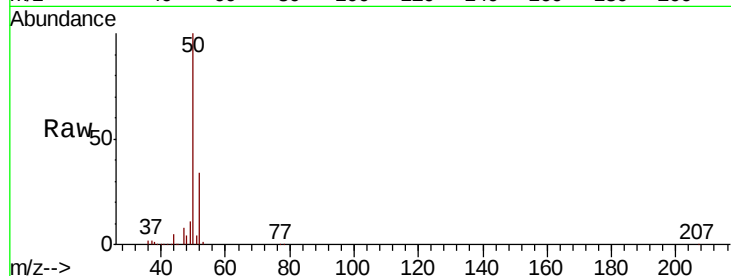
ClientSampled :

Tot Ion: 50 Resp: 130664

Ion Ratio Lower Upper

50 100

52 33.8 26.0 39.0



#4

Vinyl Chloride

Concen: 19.908 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059103.D

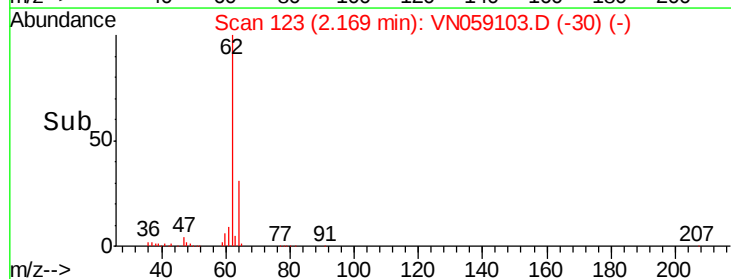
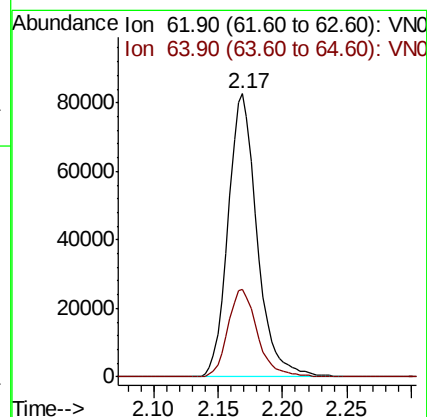
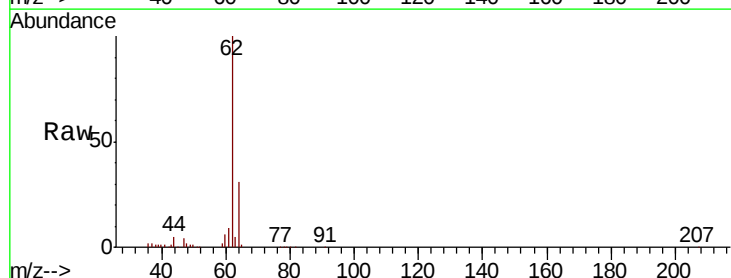
Acq: 6 Nov 2019 13:34

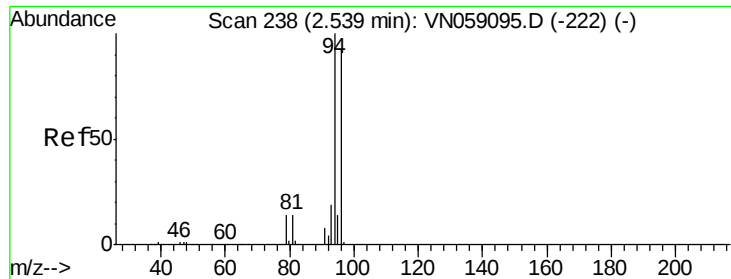
Tgt Ion: 62 Resp: 129143

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 20.404 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

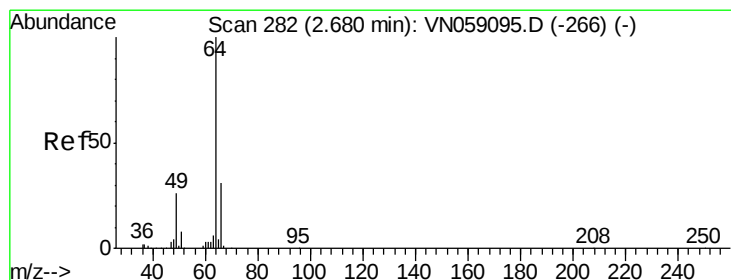
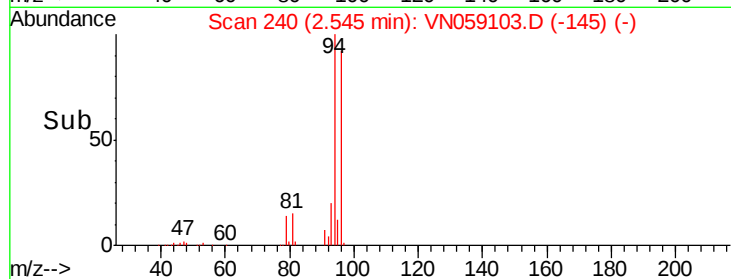
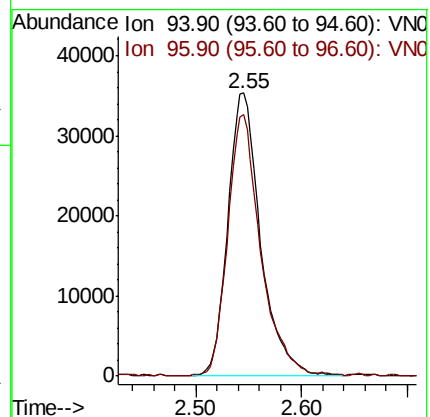
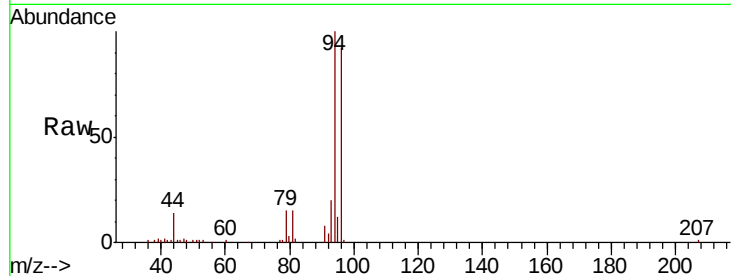
ClientSampleId :

Tot Ion: 94 Resp: 76166

Ion Ratio Lower Upper

94 100

96 92.0 74.2 111.2



#6

Chloroethane

Concen: 20.003 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059103.D

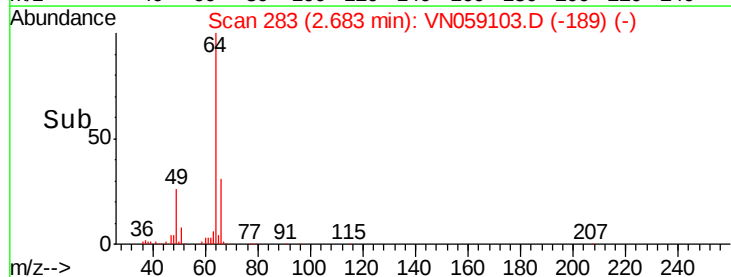
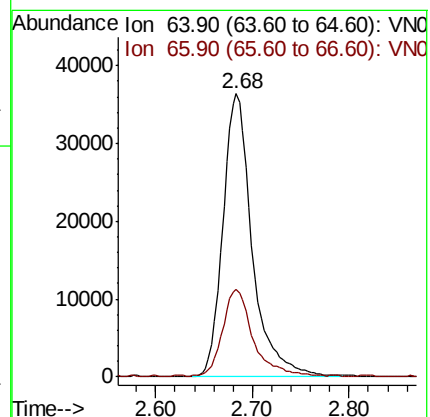
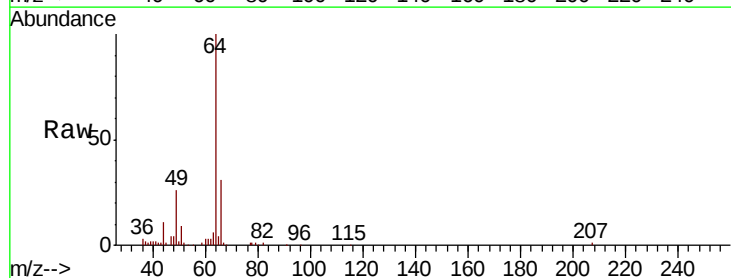
Acq: 6 Nov 2019 13:34

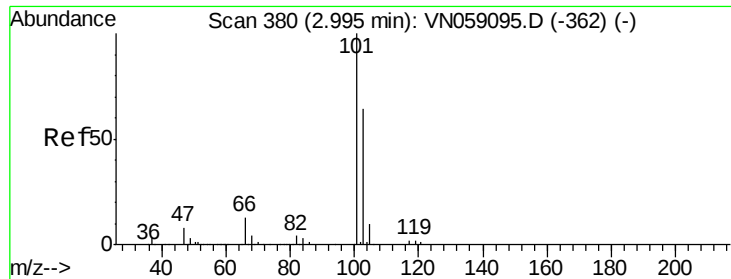
Tgt Ion: 64 Resp: 76756

Ion Ratio Lower Upper

64 100

66 30.7 25.2 37.8



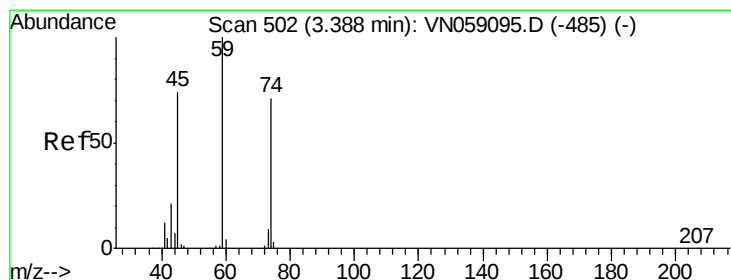
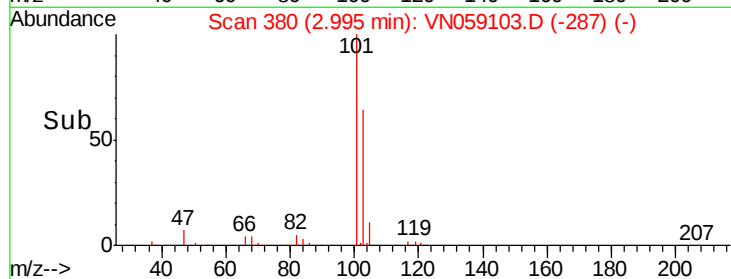
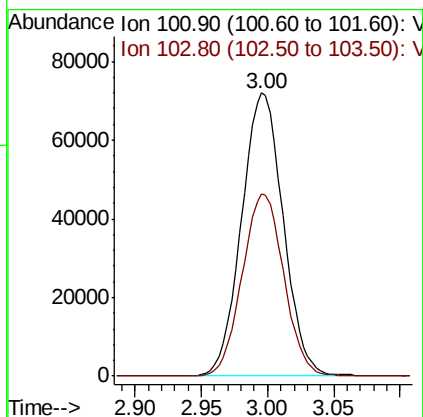
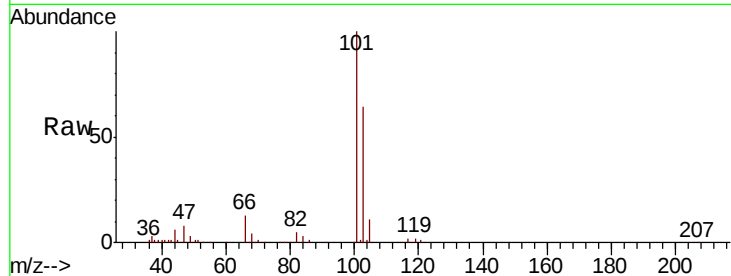


#7

Trichlorofluoromethane
 Concen: 20.278 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

Instrument :
 MSVOA_N
 ClientSampled :

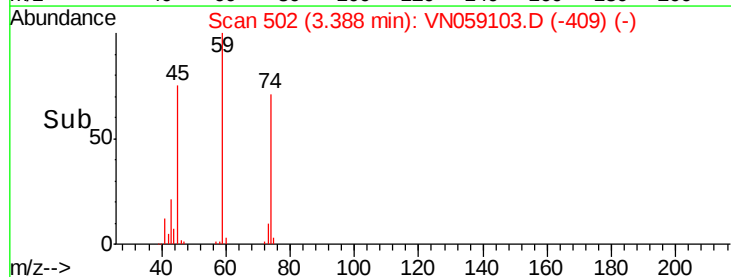
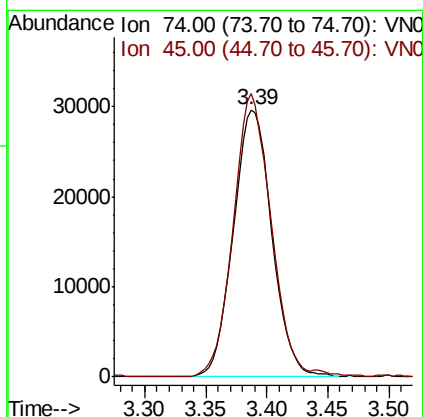
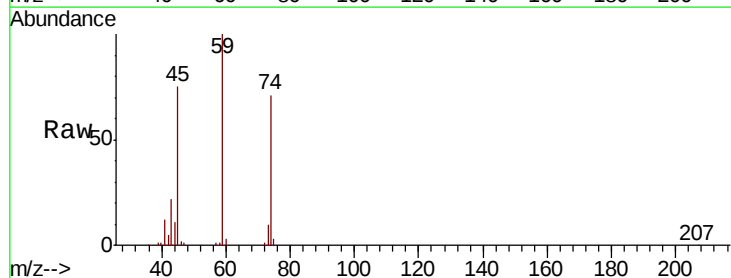
Tot Ion:101 Resp: 157334
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.2 76.8

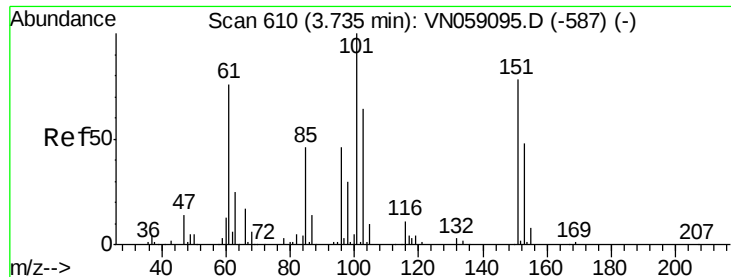


#8

Diethyl Ether
 Concen: 20.546 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

Tgt Ion: 74 Resp: 64774
 Ion Ratio Lower Upper
 74 100
 45 104.7 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.280 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

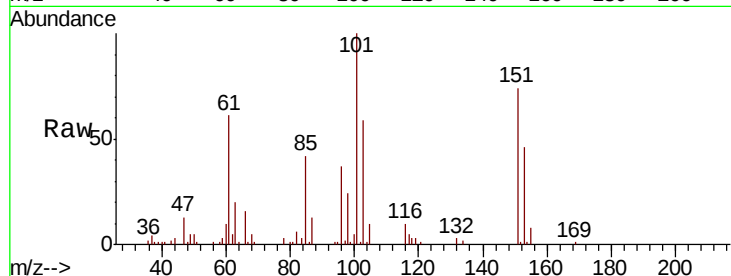
Tot Ion:101 Resp: 94875

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

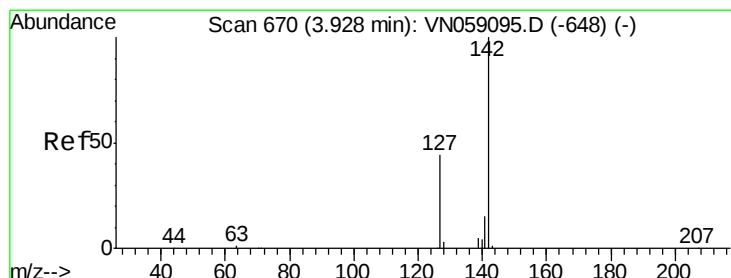
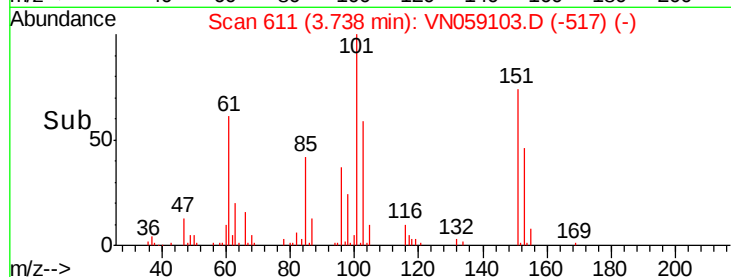
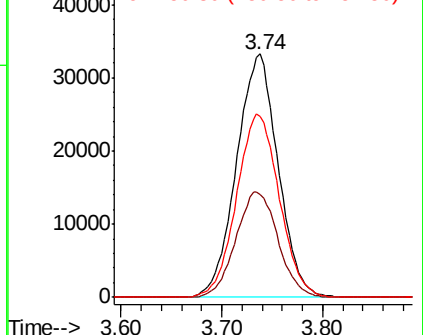
151 77.5 62.2 93.2



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: 20.083 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

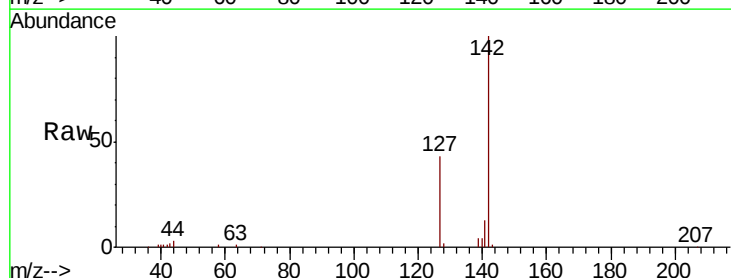
Tgt Ion:142 Resp: 116295

Ion Ratio Lower Upper

142 100

127 43.0 34.2 51.2

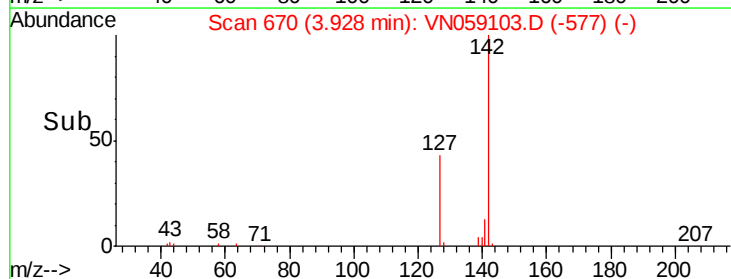
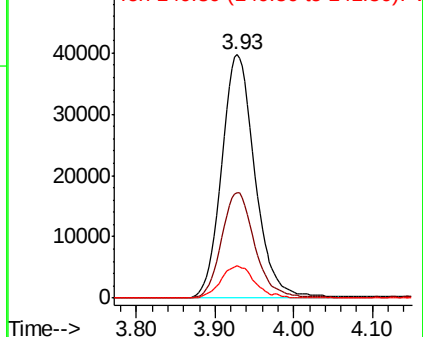
141 13.4 11.4 17.0

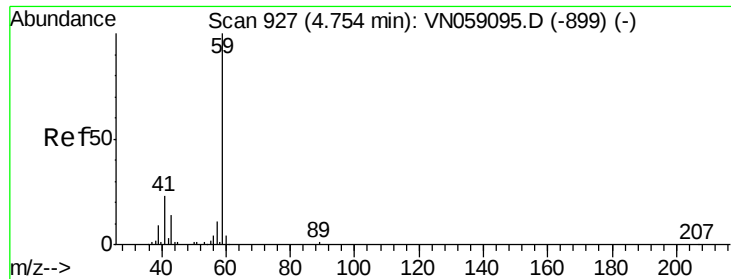


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

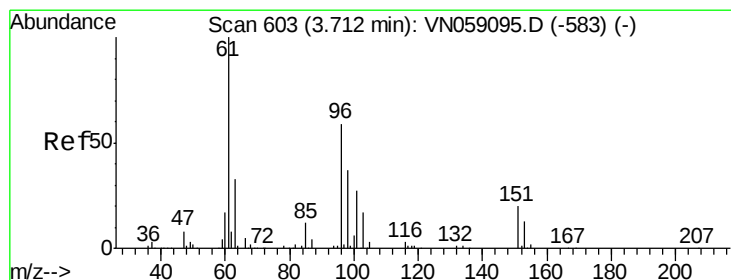
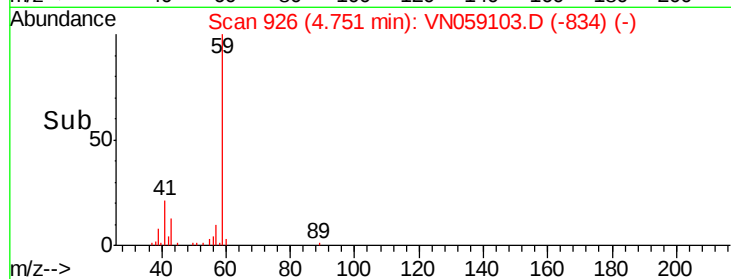
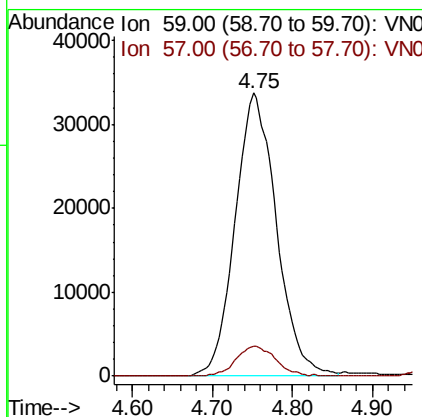
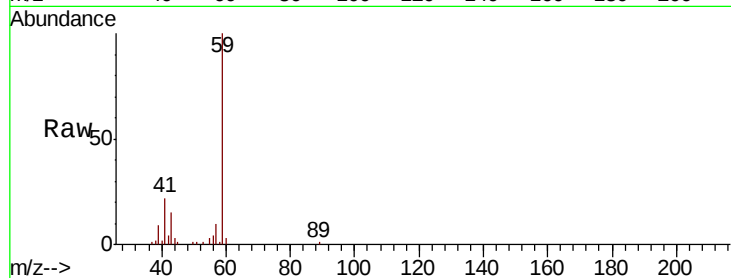




#11
Tert butyl alcohol
Concen: 103.427 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

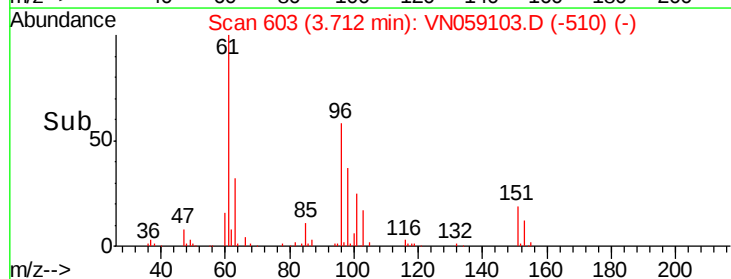
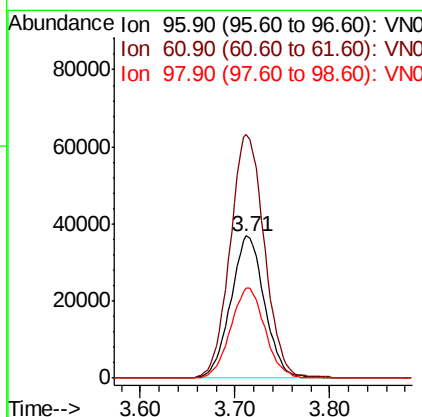
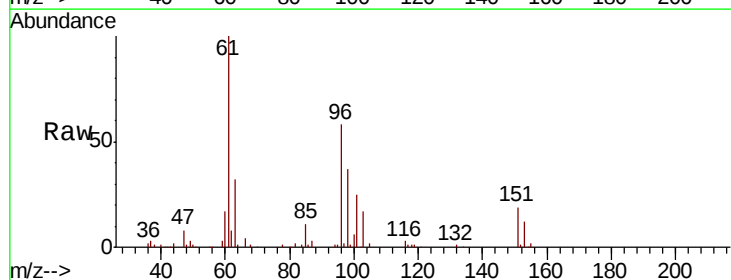
Instrument :
MSVOA_N
ClientSampleId :

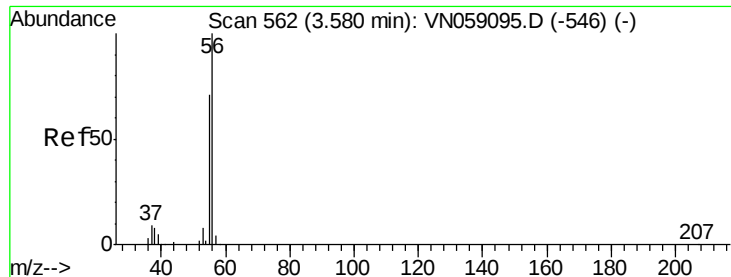
Tot Ion: 59 Resp: 118368
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5



#12
1,1-Dichloroethene
Concen: 20.149 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion: 96 Resp: 91821
Ion Ratio Lower Upper
96 100
61 171.2 136.5 204.7
98 63.4 50.2 75.4





#13

Acrolein

Concen: 100.988 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

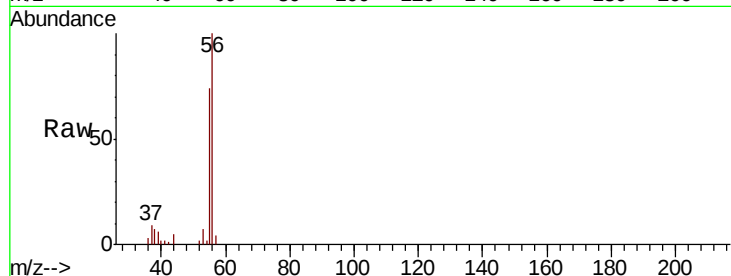
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 59589

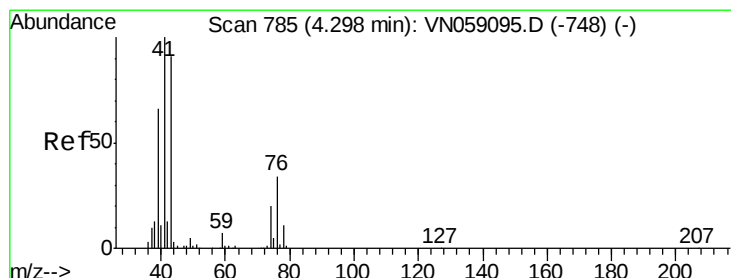
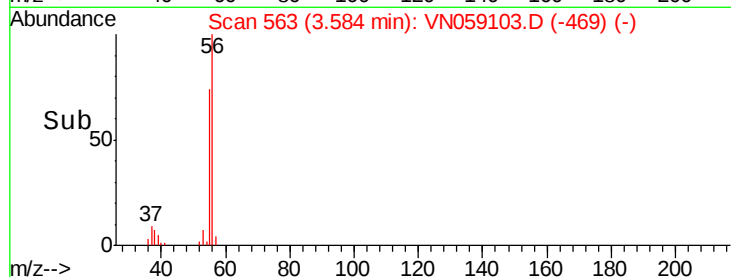
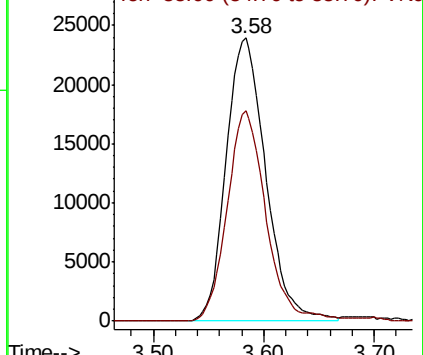
Ion Ratio Lower Upper

56 100

55 72.9 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN059103.D (-469) (-)



#14

Allyl chloride

Concen: 20.012 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

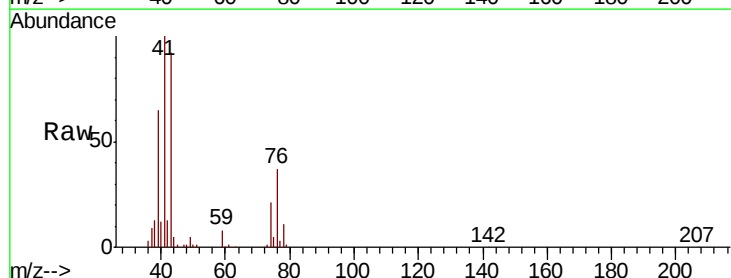
Tgt Ion: 41 Resp: 187334

Ion Ratio Lower Upper

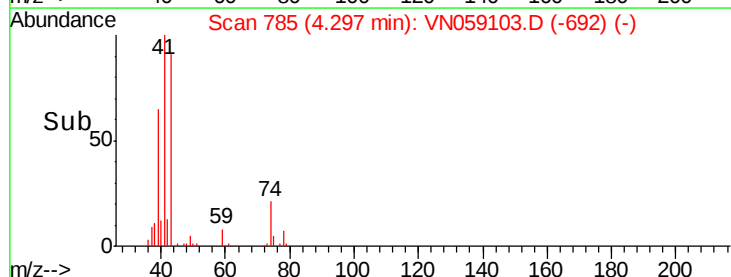
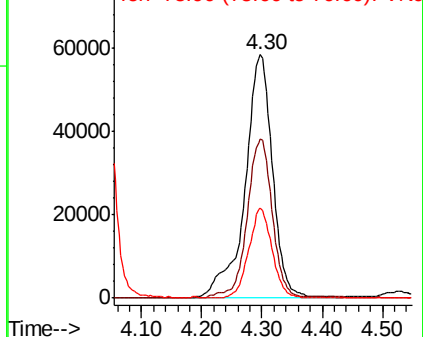
41 100

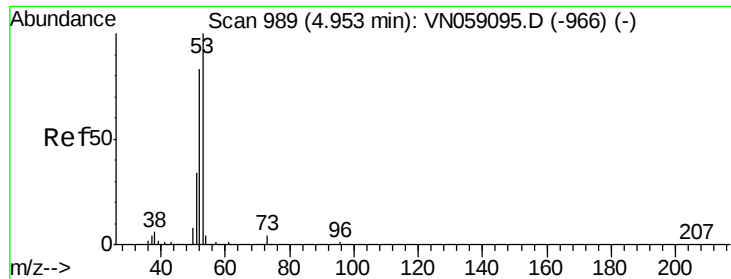
39 59.7 49.1 73.7

76 31.1 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN059103.D (-692) (-)





#15

Acrylonitrile

Concen: 105.745 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

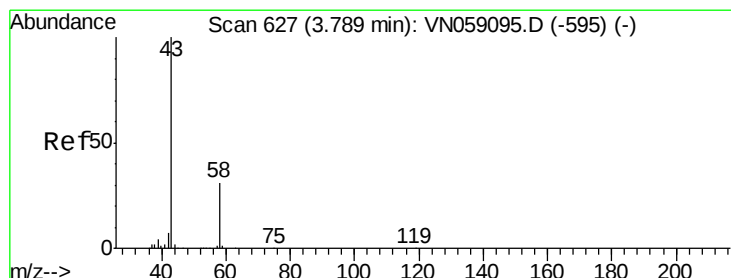
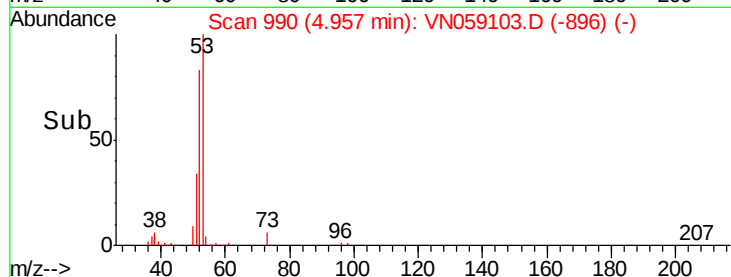
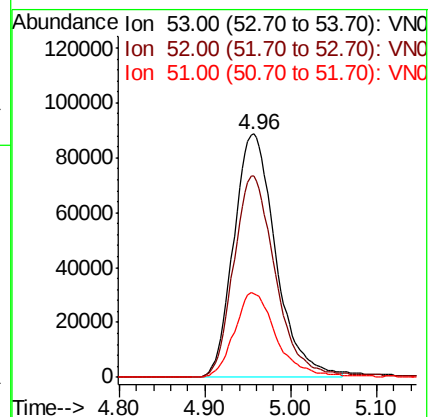
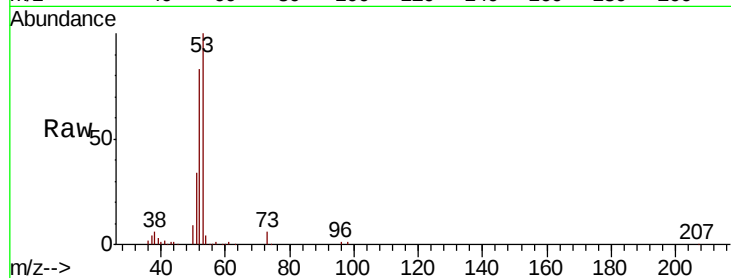
Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 301180

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.0	97.6
51	35.1	28.0	42.0



#16

Acetone

Concen: 97.161 ug/l

RT: 3.79 min Scan# 627

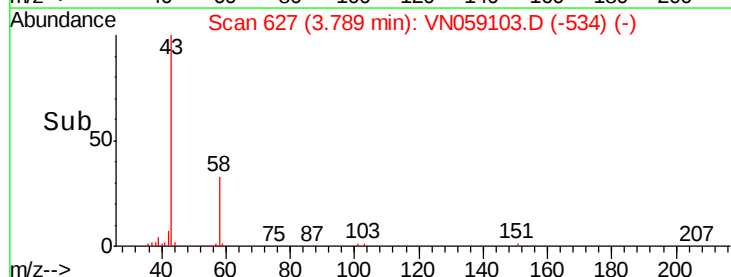
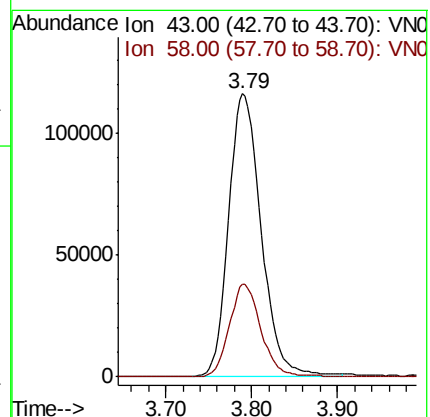
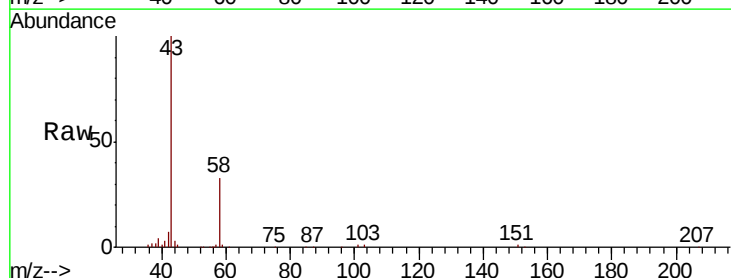
Delta R.T. -0.00 min

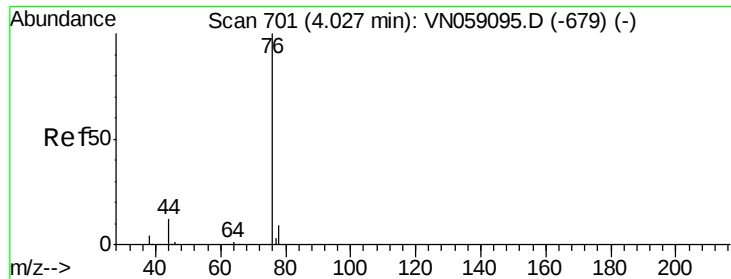
Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Tgt Ion: 43 Resp: 303417

Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.9	37.3

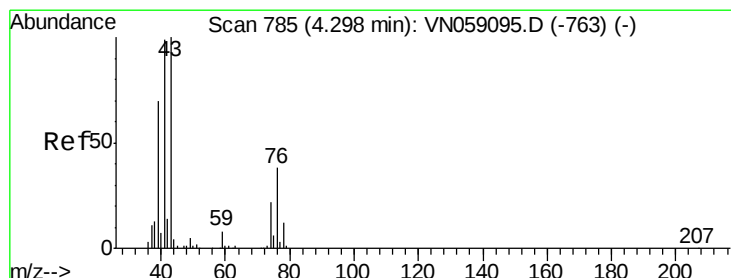
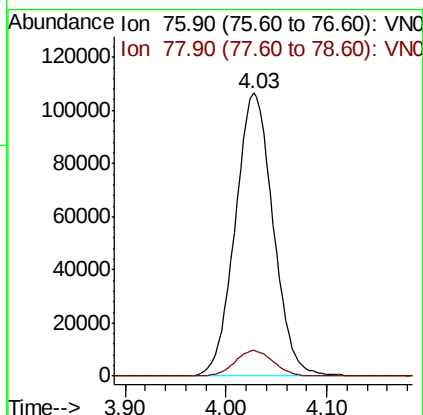
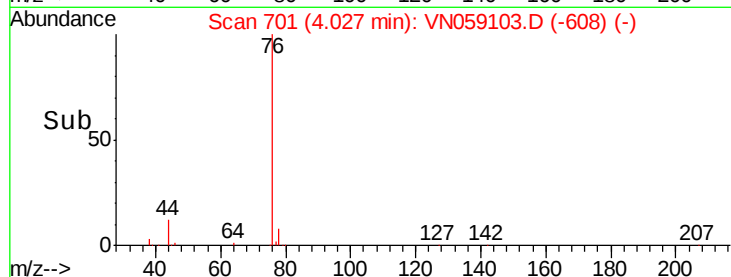
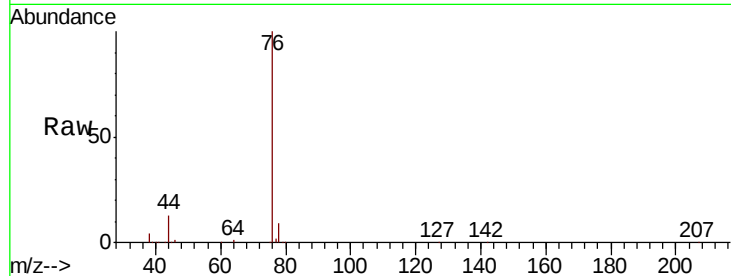




#17
Carbon Disulfide
Concen: 19.624 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

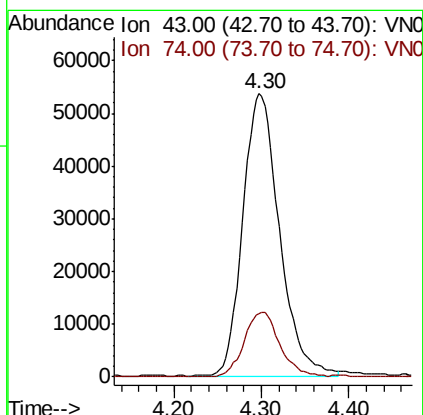
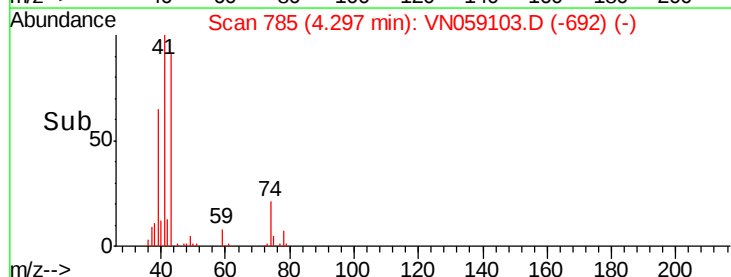
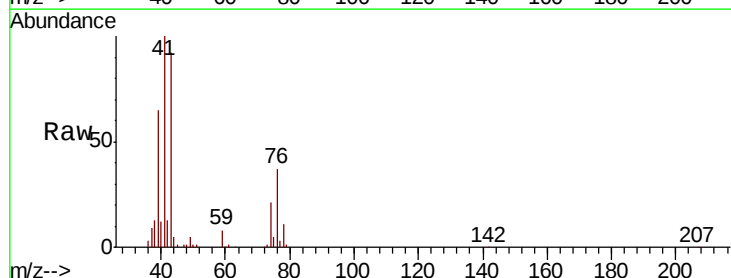
Instrument :
MSVOA_N
ClientSampled :

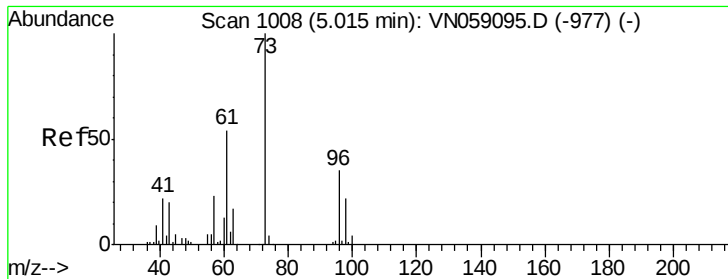
Tot Ion: 76 Resp: 277608
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 20.972 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion: 43 Resp: 155452
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8

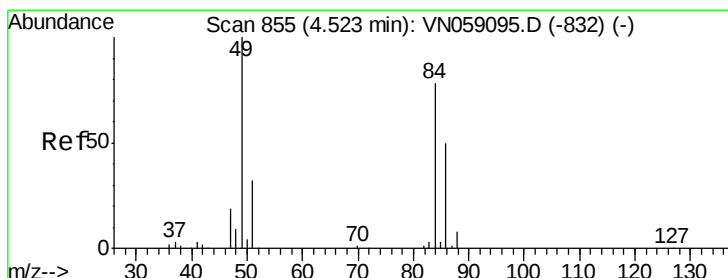
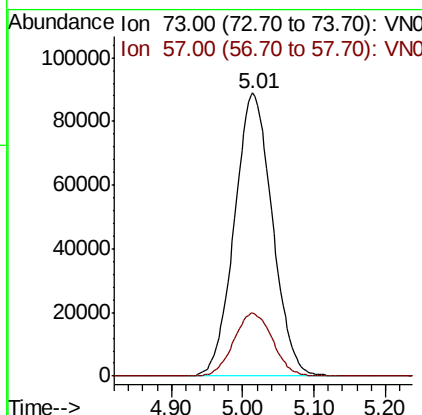
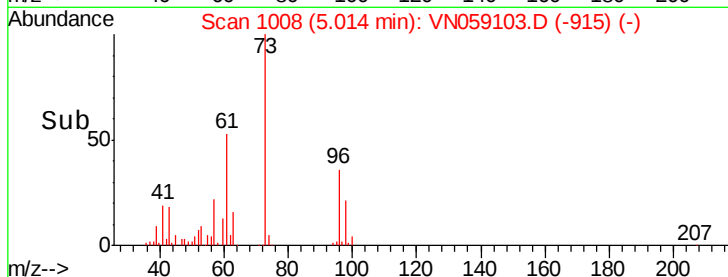
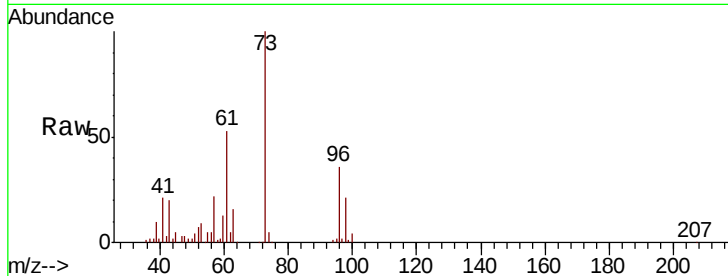




#19
Methyl tert-butyl Ether
Concen: 20.935 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

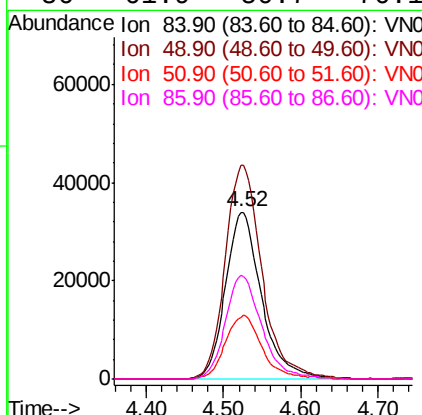
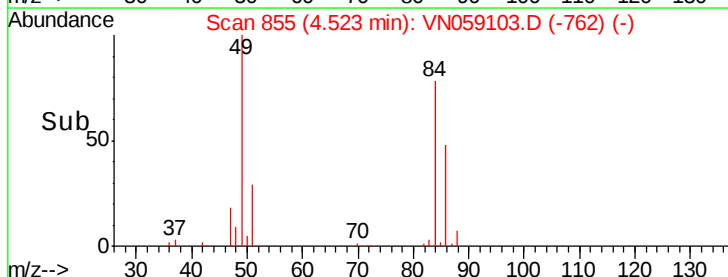
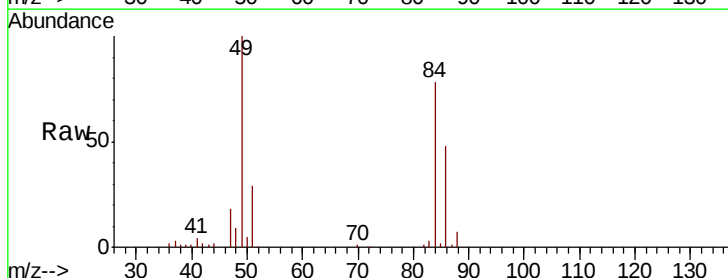
Instrument :
MSVOA_N
ClientSampled :

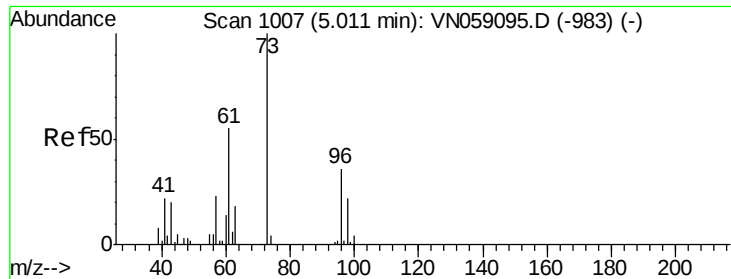
Tot Ion: 73 Resp: 328470
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6



#20
Methylene Chloride
Concen: 20.170 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion: 84 Resp: 109734
Ion Ratio Lower Upper
84 100
49 127.8 102.0 153.0
51 37.2 32.2 48.2
86 61.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 20.437 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

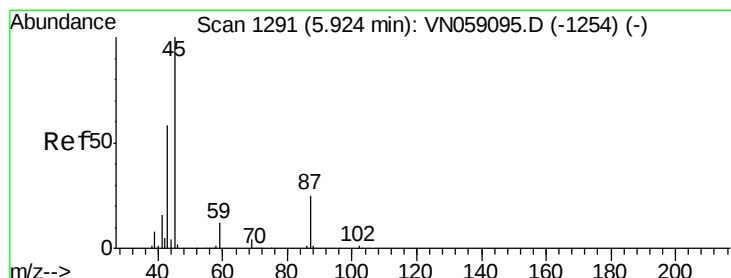
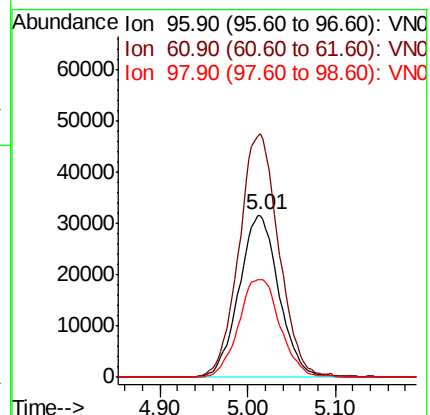
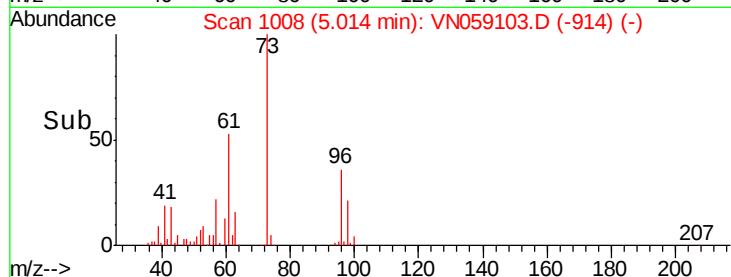
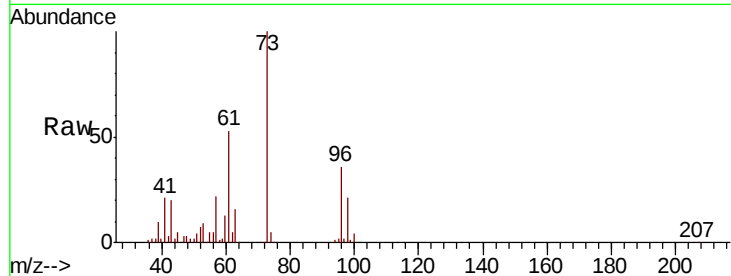
Tot Ion: 96 Resp: 99973

Ion Ratio Lower Upper

96 100

61 150.3 122.6 183.8

98 59.9 50.3 75.5



#22

Diisopropyl ether

Concen: 20.688 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Tgt Ion: 45 Resp: 365792

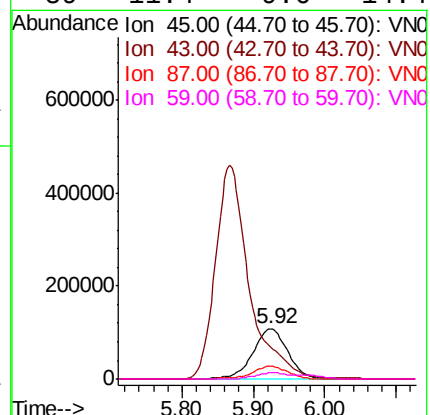
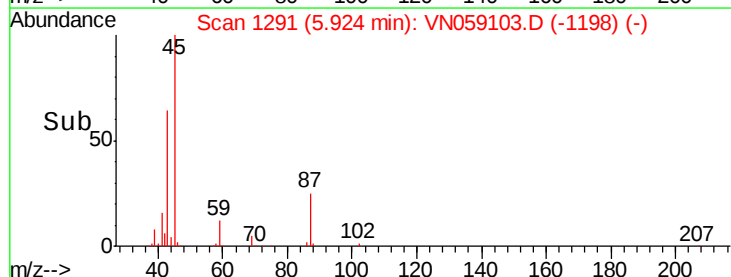
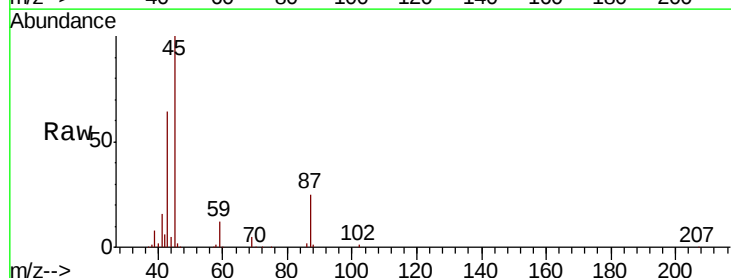
Ion Ratio Lower Upper

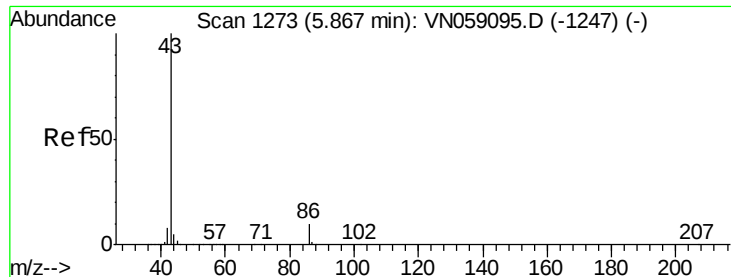
45 100

43 61.9 46.7 70.1

87 25.3 20.5 30.7

59 11.4 9.6 14.4

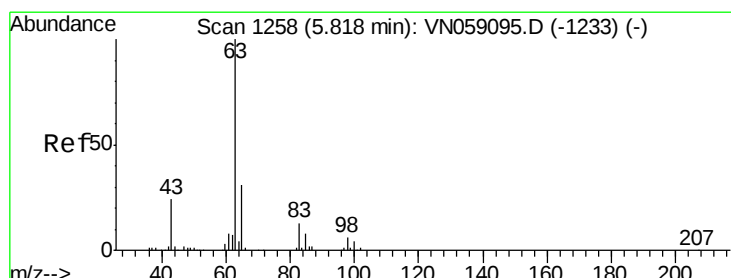
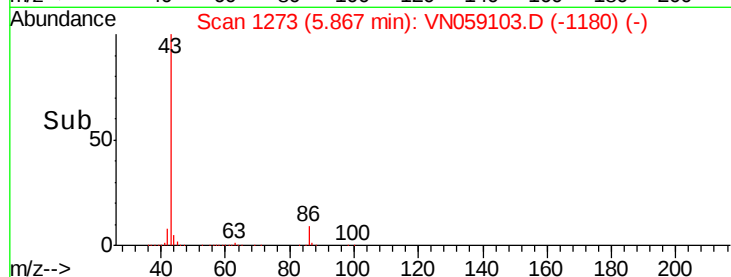
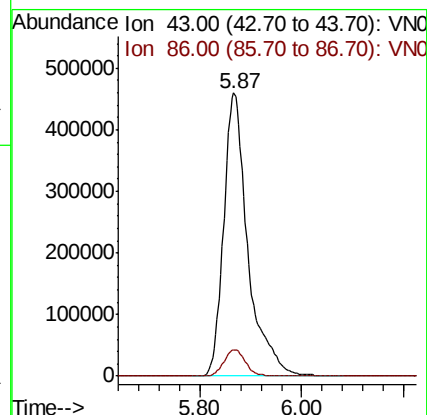
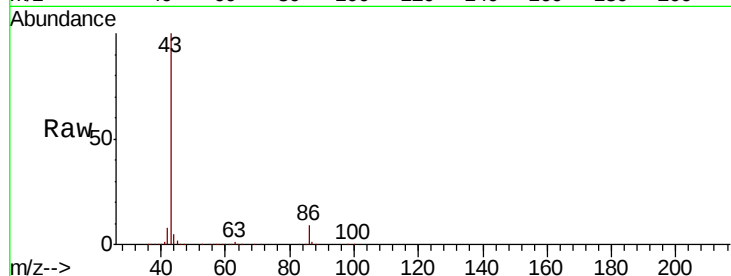




#23
 Vinyl Acetate
 Concen: 110.546 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

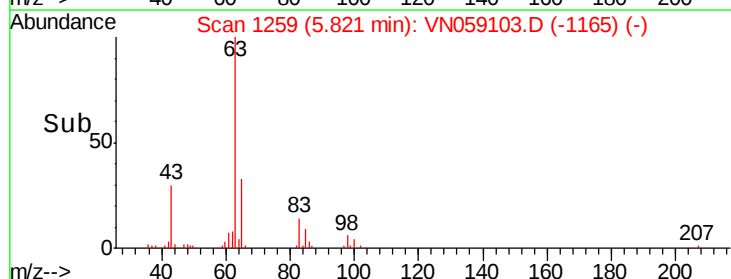
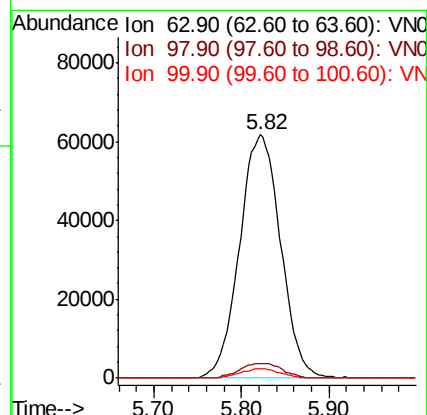
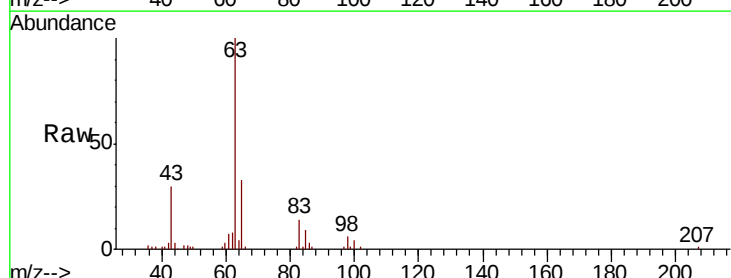
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 1514870
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 20.314 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

Tgt Ion: 63 Resp: 200610
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 4.0 1.9 5.7

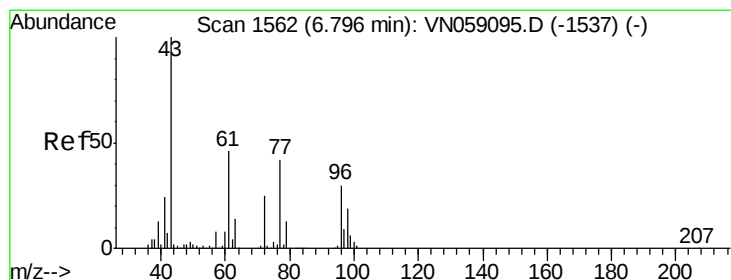
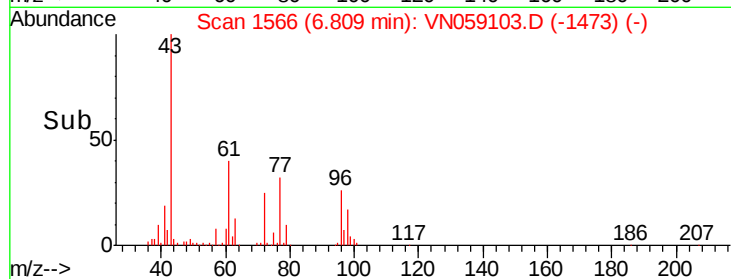
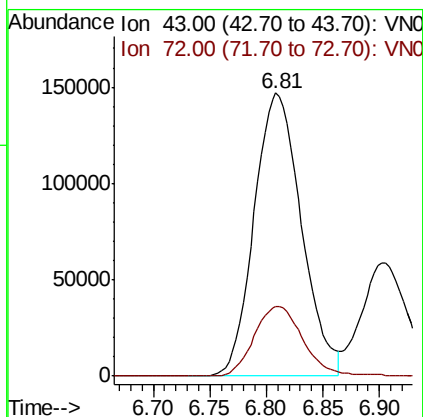
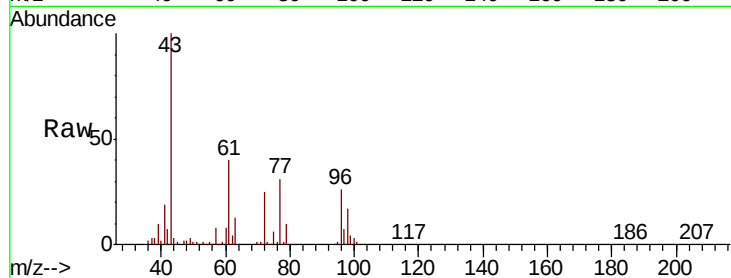




#25
2-Butanone
Concen: 103.180 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

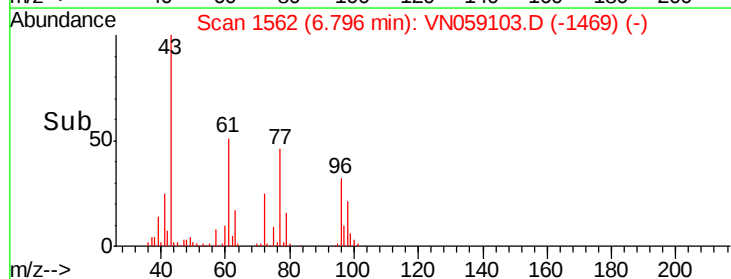
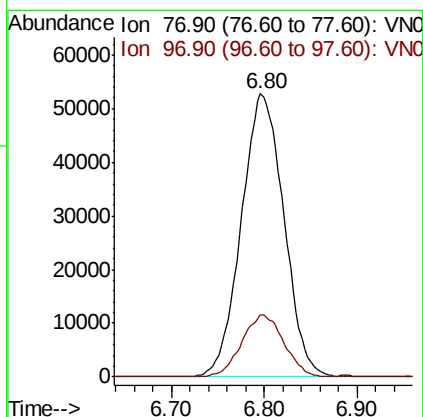
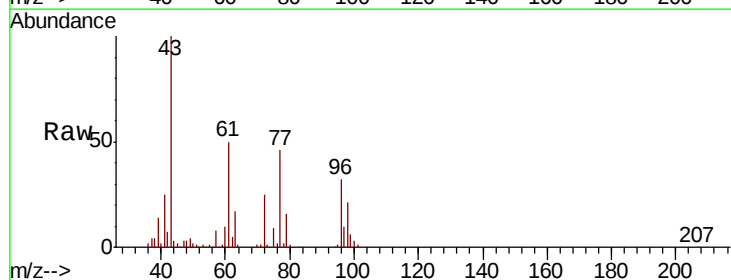
Instrument :
MSVOA_N
ClientSampleId :

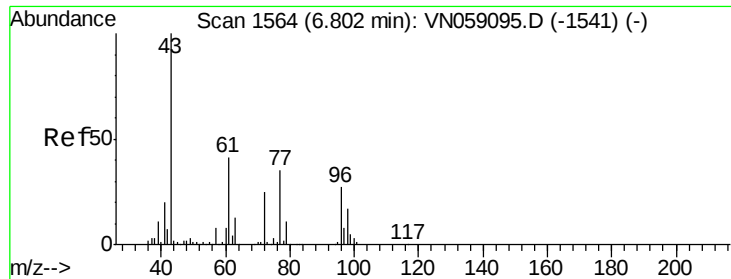
Tot Ion: 43 Resp: 424659
Ion Ratio Lower Upper
43 100
72 24.6 20.3 30.5



#26
2,2-Dichloropropane
Concen: 19.452 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion: 77 Resp: 167971
Ion Ratio Lower Upper
77 100
97 21.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.414 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

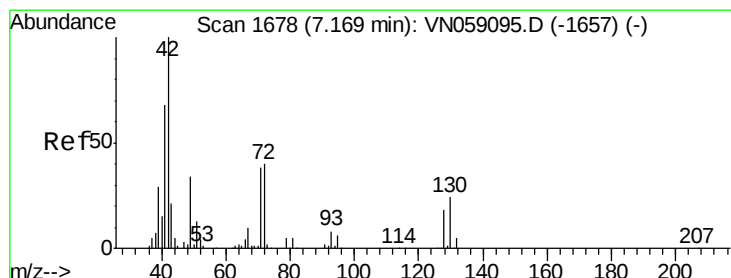
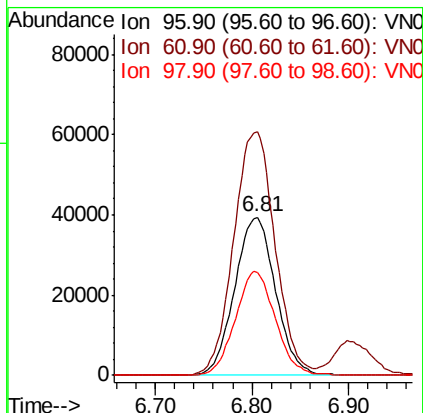
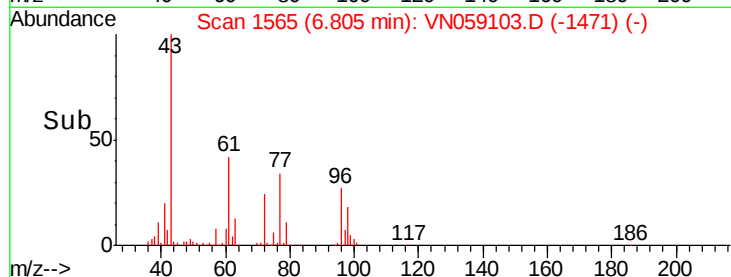
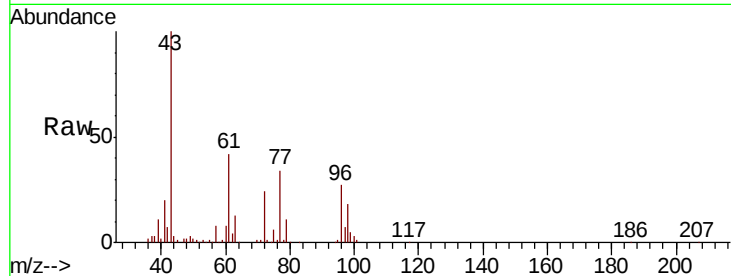
Tot Ion: 96 Resp: 115851

Ion Ratio Lower Upper

96 100

61 155.9 0.0 311.6

98 64.1 0.0 129.8



#28

Bromochloromethane

Concen: 20.670 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

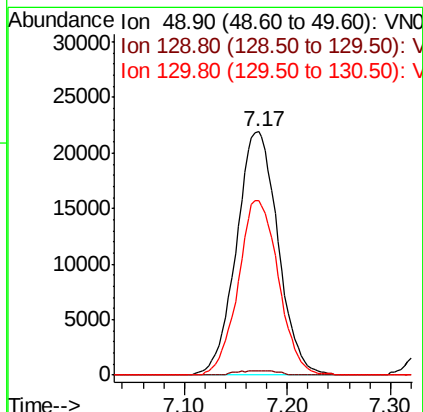
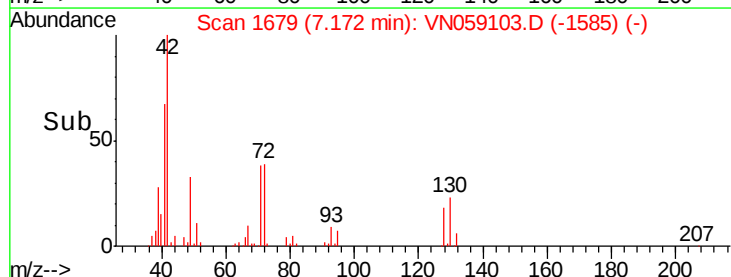
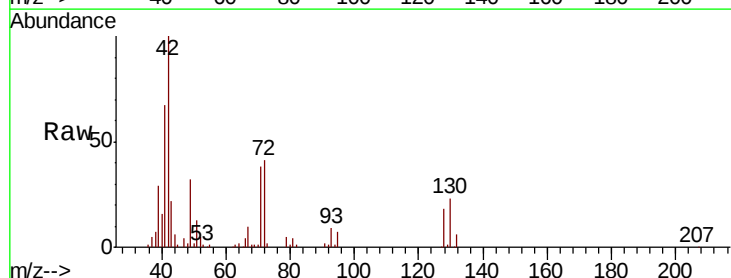
Tgt Ion: 49 Resp: 61415

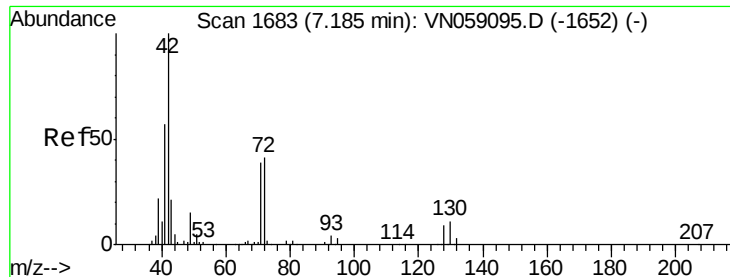
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

130 69.4 55.6 83.4





#29

Tetrahydrofuran

Concen: 106.215 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

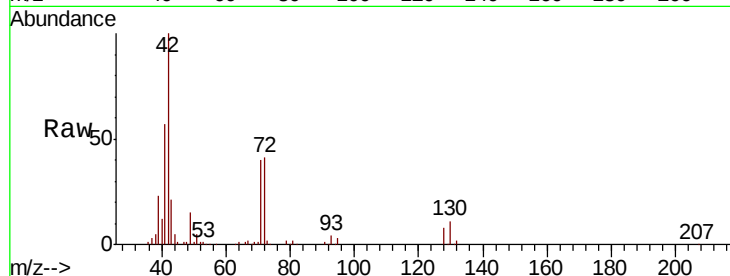
Tot Ion: 42 Resp: 277764

Ion Ratio Lower Upper

42 100

72 40.5 33.1 49.7

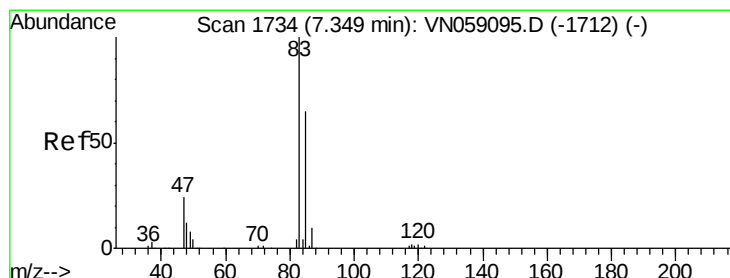
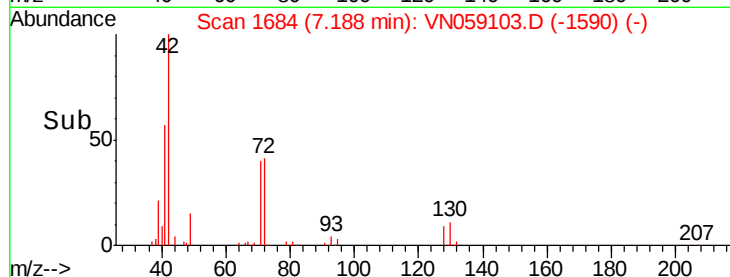
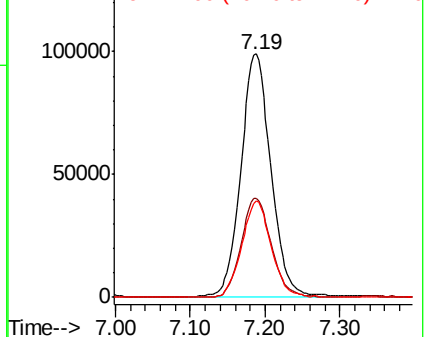
71 38.4 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.350 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059103.D

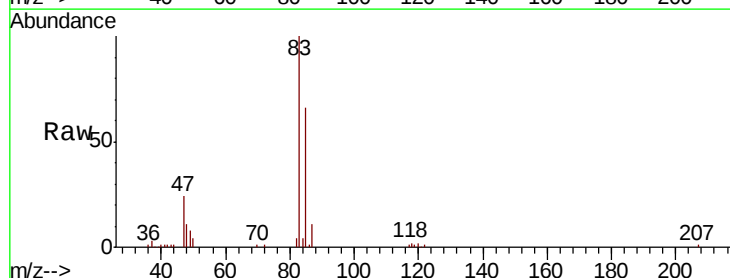
Acq: 6 Nov 2019 13:34

Tgt Ion: 83 Resp: 192784

Ion Ratio Lower Upper

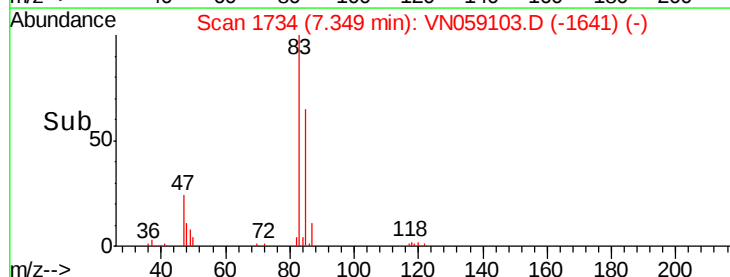
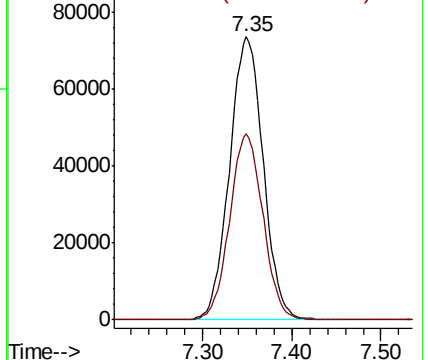
83 100

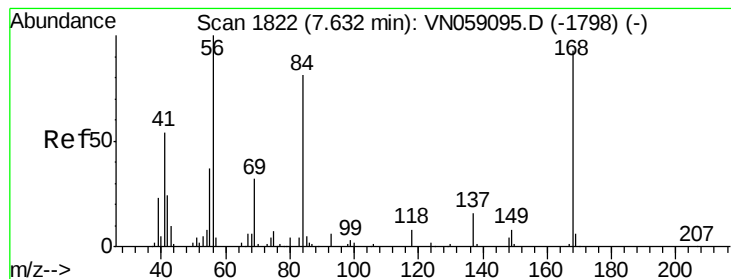
85 65.7 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.846 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :
MSVOA_N
ClientSampled :

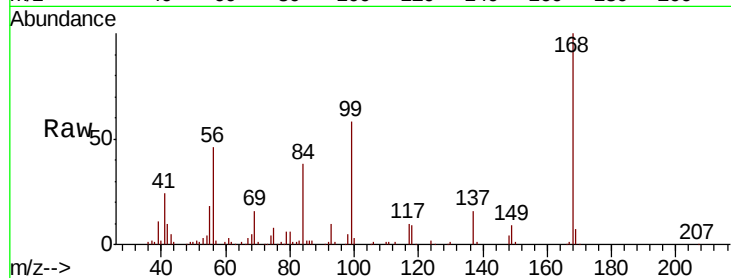
Tot Ion: 56 Resp: 185544

Ion Ratio Lower Upper

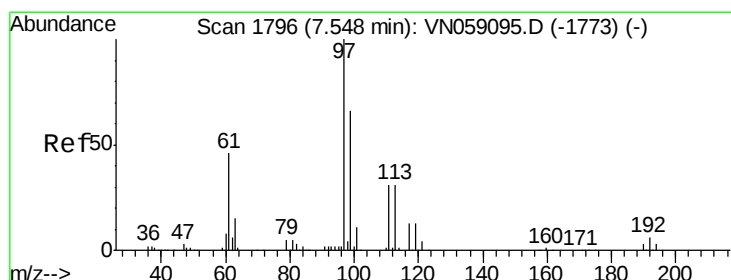
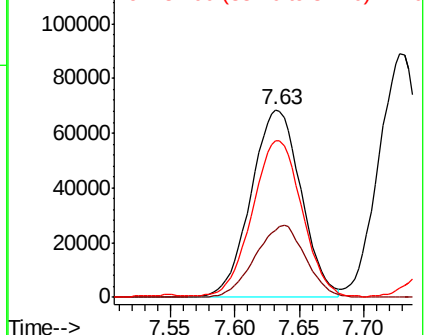
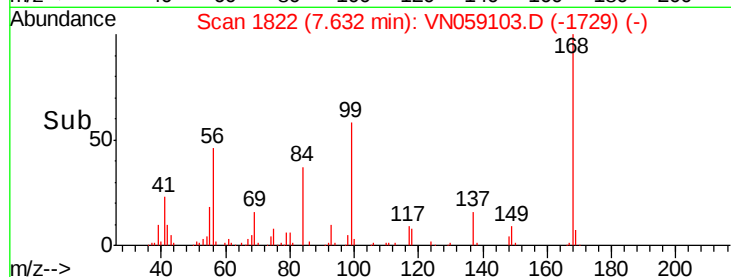
56 100

69 35.8 25.8 38.8

84 82.2 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: 20.747 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

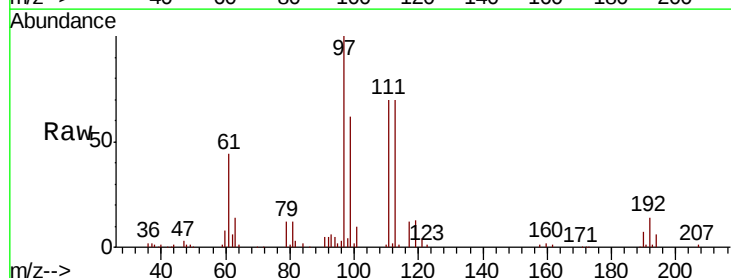
Tgt Ion: 97 Resp: 165248

Ion Ratio Lower Upper

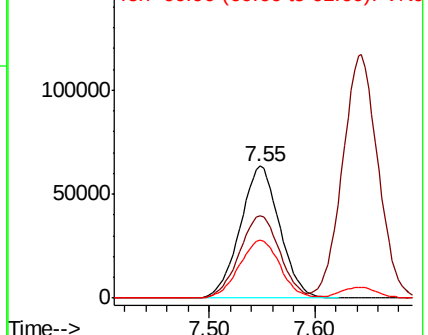
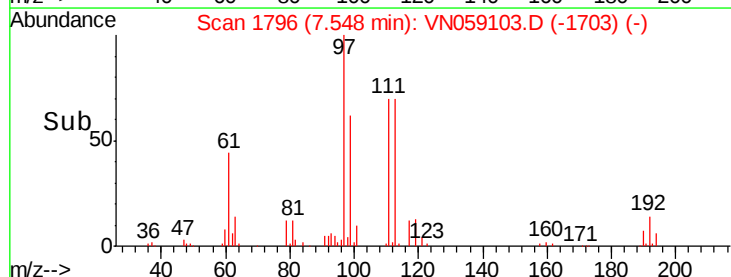
97 100

99 63.7 51.0 76.6

61 45.1 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

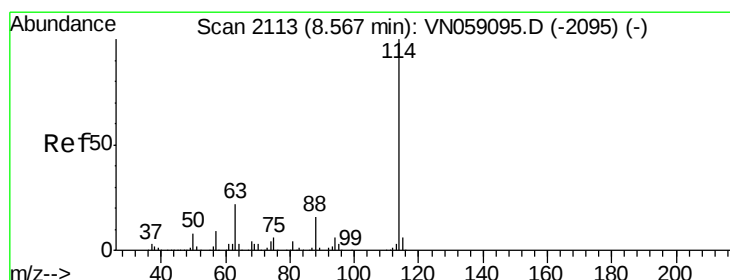
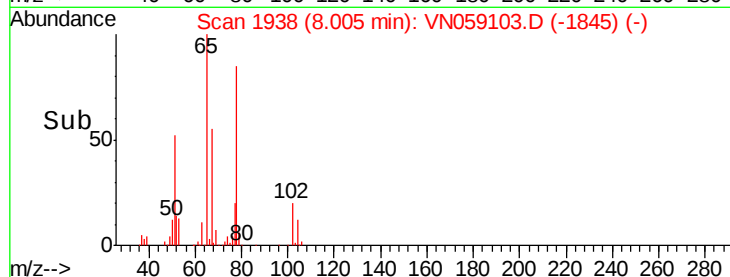
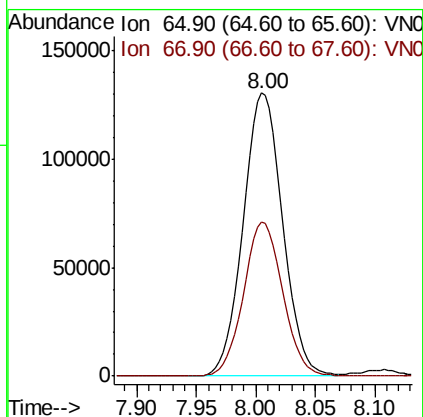
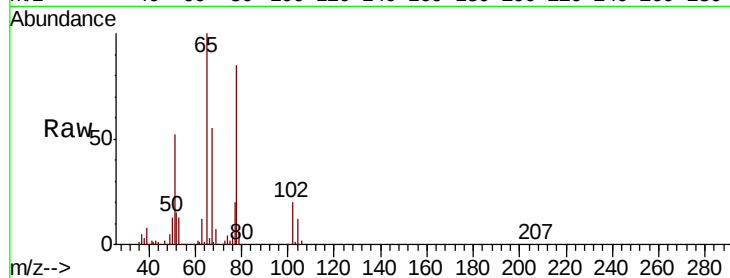




#33
 1,2-Dichloroethane-d4
 Concen: 49.931 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

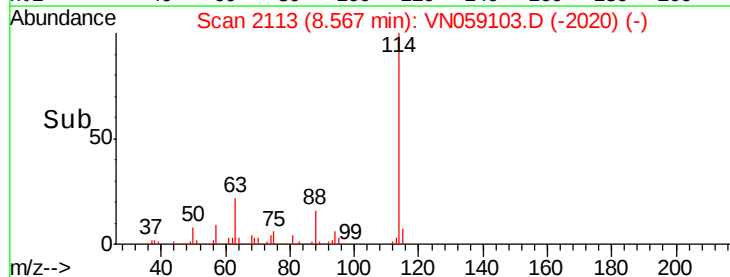
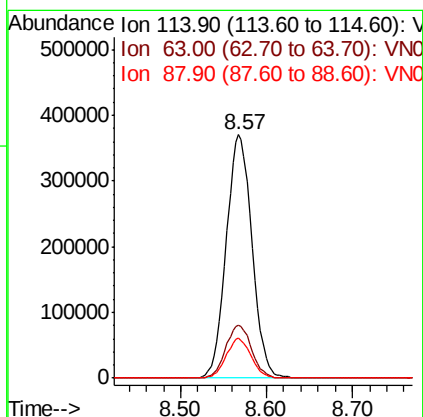
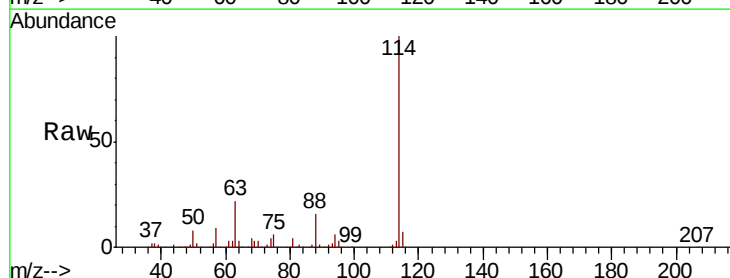
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 65 Resp: 299847
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

Tgt Ion: 114 Resp: 769742
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.4
 88 16.3 0.0 32.2

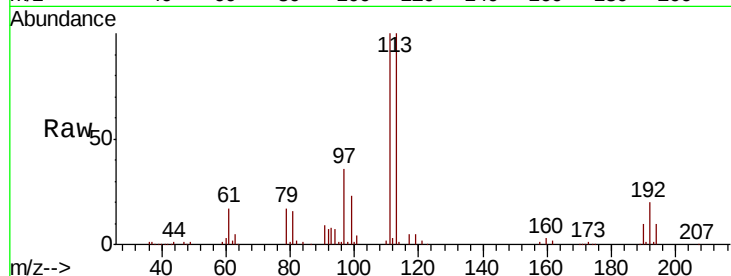




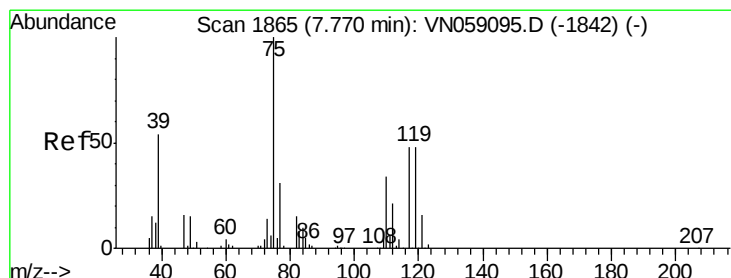
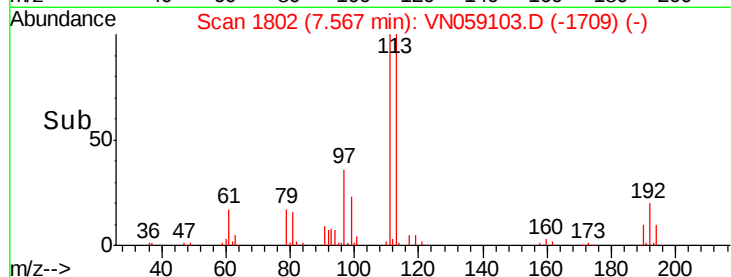
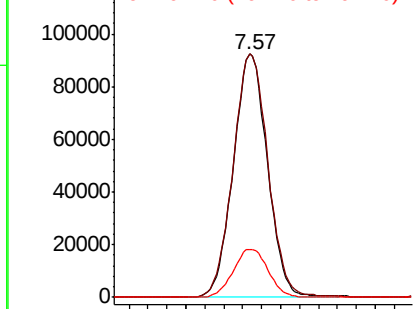
#35
 Dibromofluoromethane
 Concen: 50.522 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 232206
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.8 124.2
 192 20.2 16.1 24.1

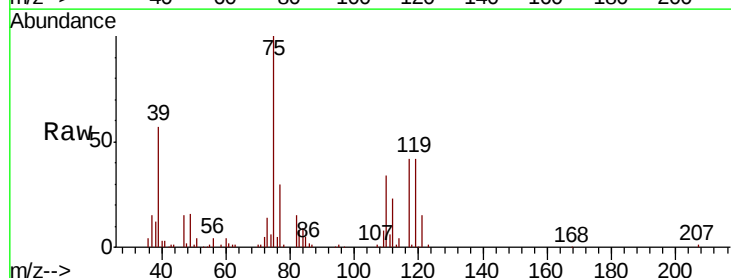


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

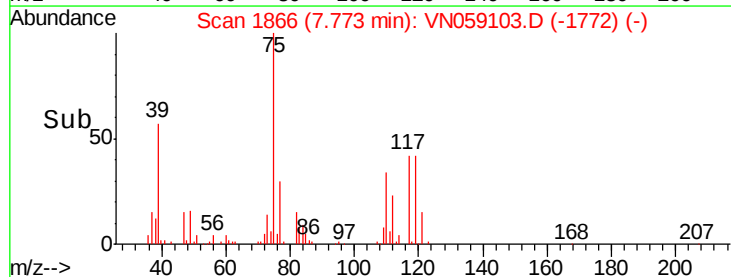
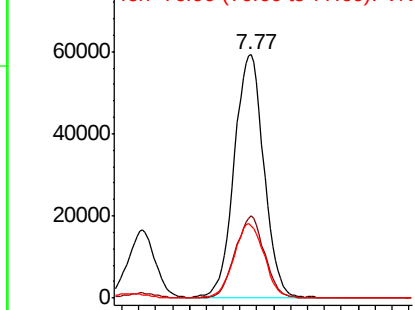


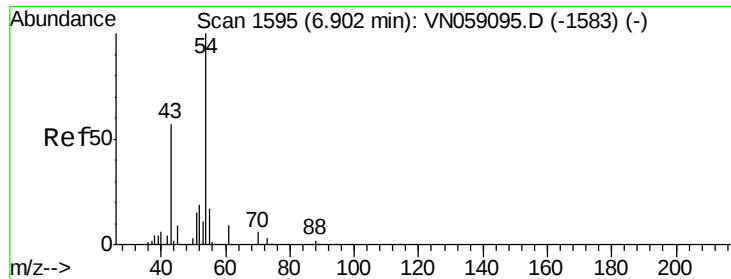
#36
 1,1-Dichloropropene
 Concen: 20.280 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

Tgt Ion: 75 Resp: 145911
 Ion Ratio Lower Upper
 75 100
 110 33.1 17.1 51.2
 77 31.2 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

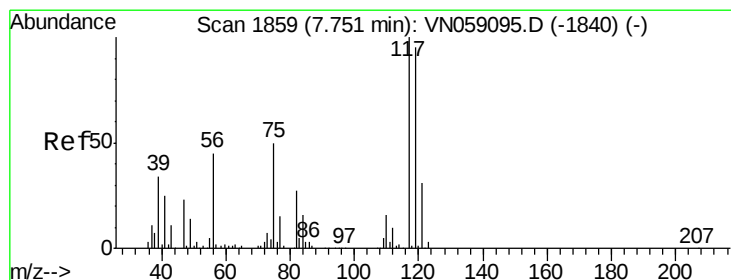
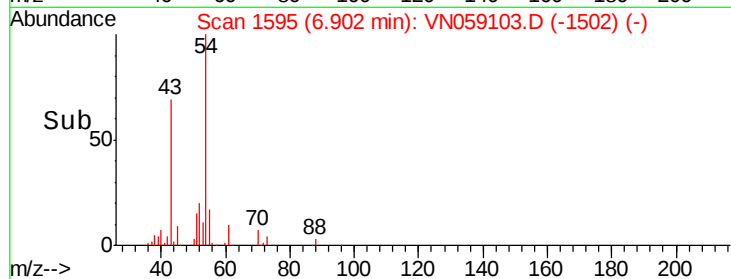
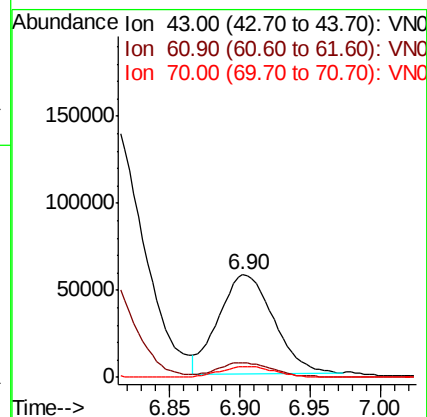
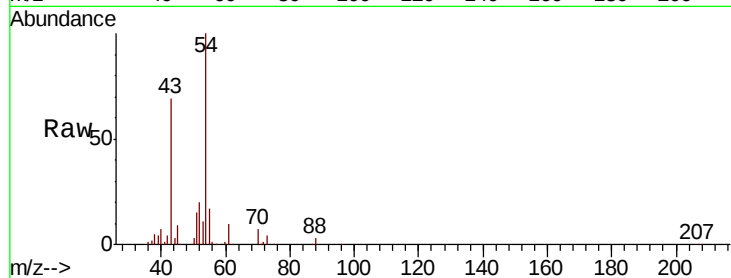




#37
Ethyl Acetate
Concen: 19.408 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

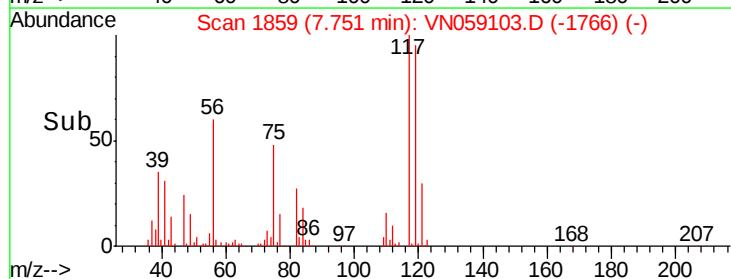
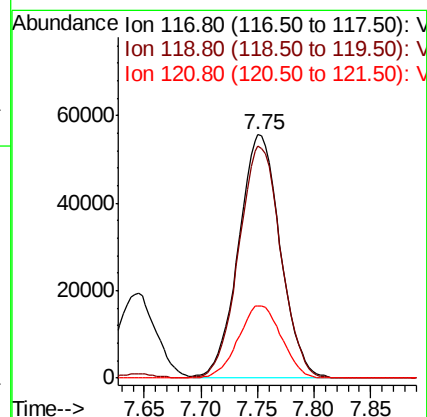
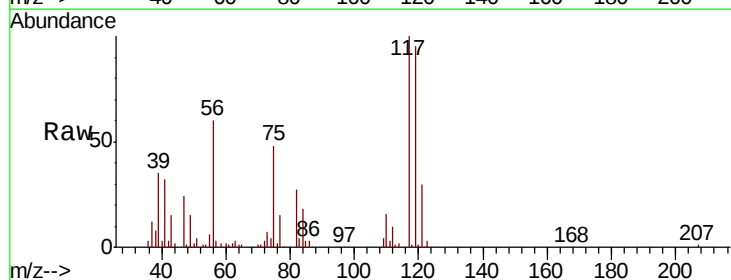
Instrument :
MSVOA_N
ClientSampleId :

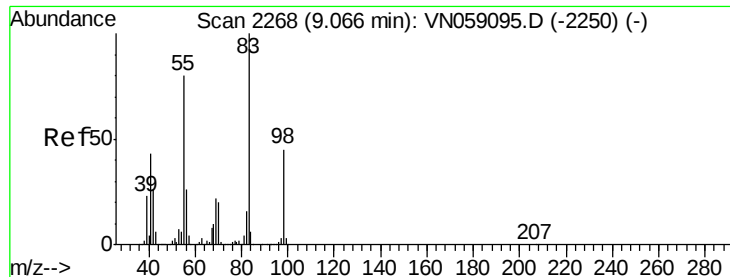
Tot Ion: 43 Resp: 155344
Ion Ratio Lower Upper
43 100
61 15.5 11.2 16.8
70 11.0 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.918 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion: 117 Resp: 142634
Ion Ratio Lower Upper
117 100
119 95.2 75.6 113.4
121 29.7 24.6 36.8

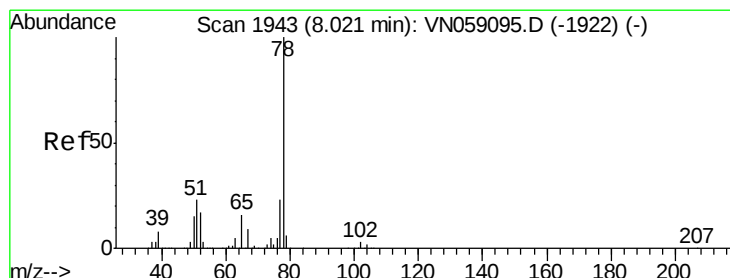
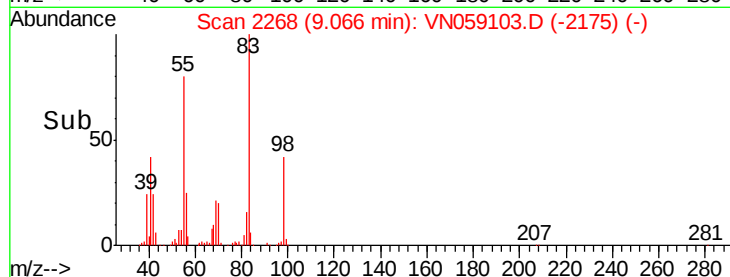
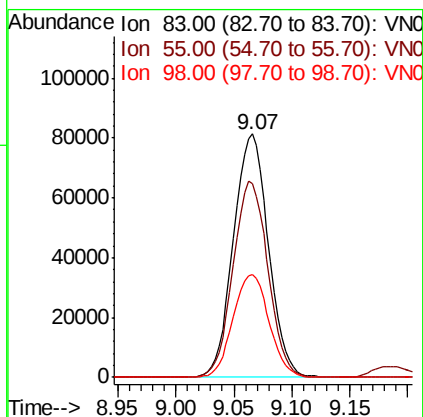
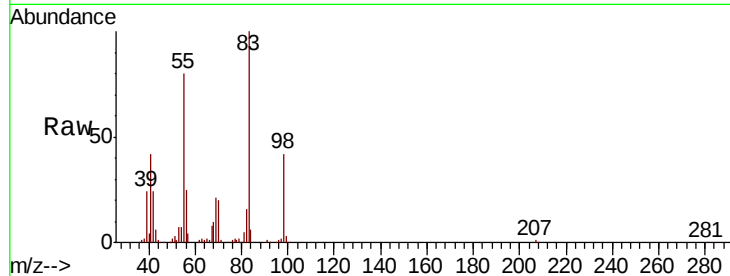




#39
Methvlcvclohexane
Concen: 20.493 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

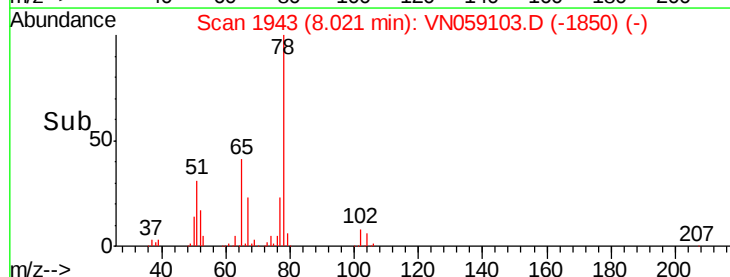
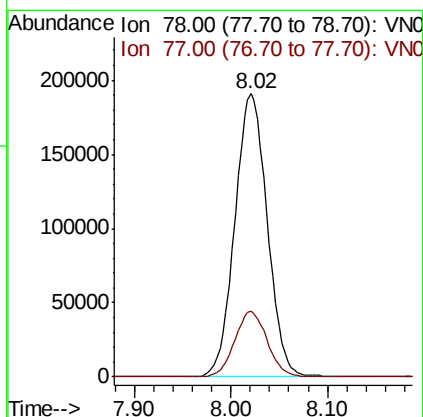
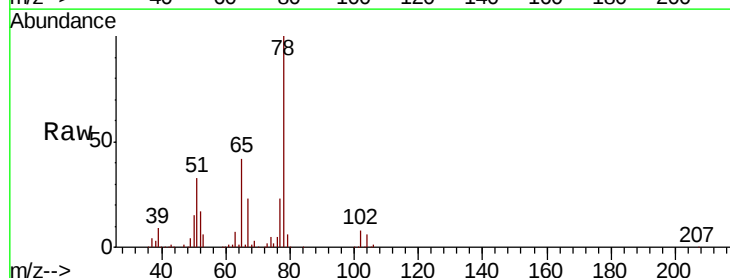
Instrument :
MSVOA_N
ClientSampleId :

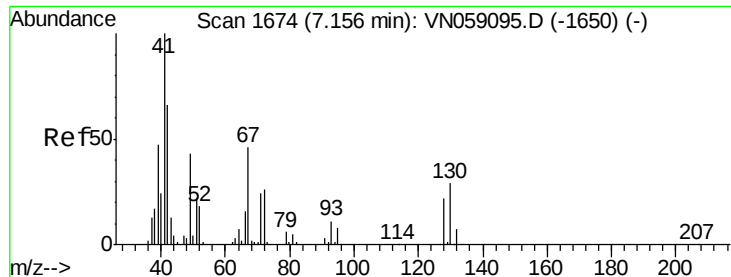
Tot Ion: 83 Resp: 171124
Ion Ratio Lower Upper
83 100
55 79.7 63.9 95.9
98 42.0 35.6 53.4



#40
Benzene
Concen: 20.550 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion: 78 Resp: 445238
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2





#41

Methacrylonitrile

Concen: 21.687 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 75480

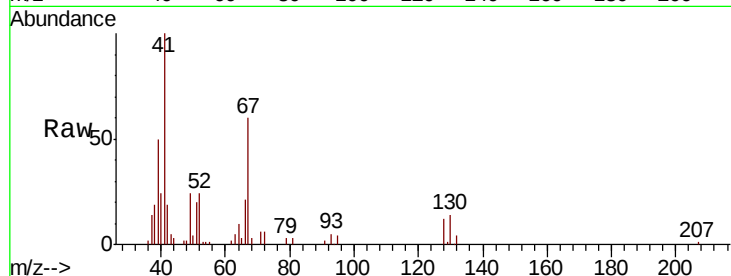
Ion Ratio Lower Upper

41 100

39 60.8 0.0 0.0#

67 81.5 0.0 0.0#

52 31.8 0.0 0.0#



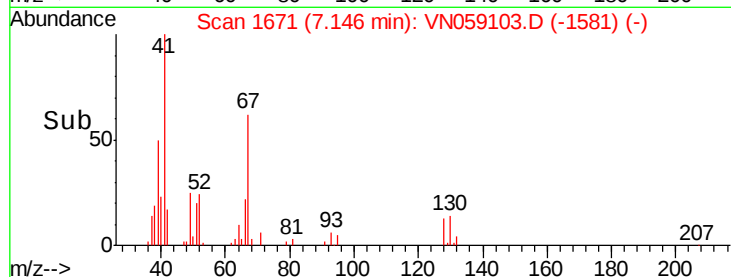
Abundance Ion 41.00 (40.70 to 41.70): VN0

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

Time--> 7.05 7.10 7.15



Abundance

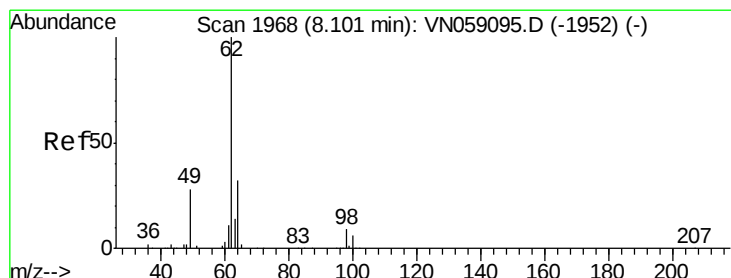
Ion 41.00 (40.70 to 41.70): VN0

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

Time--> 7.05 7.10 7.15



#42

1,2-Dichloroethane

Concen: 20.405 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059103.D

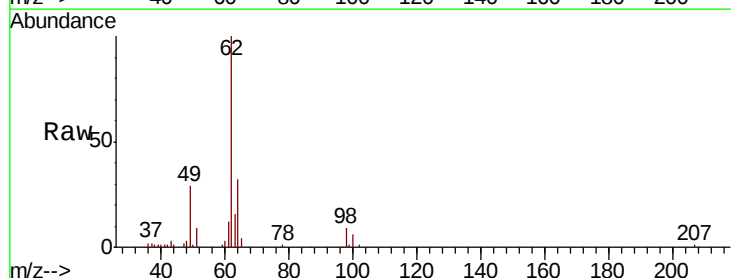
Acq: 6 Nov 2019 13:34

Tgt Ion: 62 Resp: 151628

Ion Ratio Lower Upper

62 100

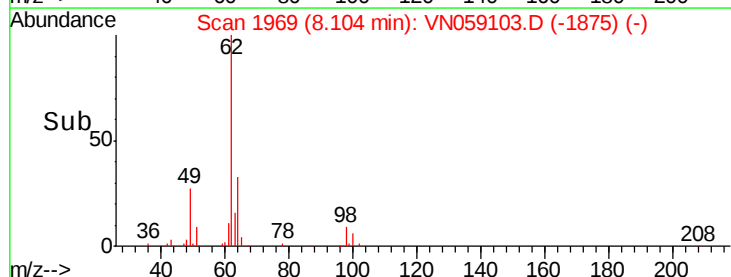
98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Time--> 8.00 8.10 8.20

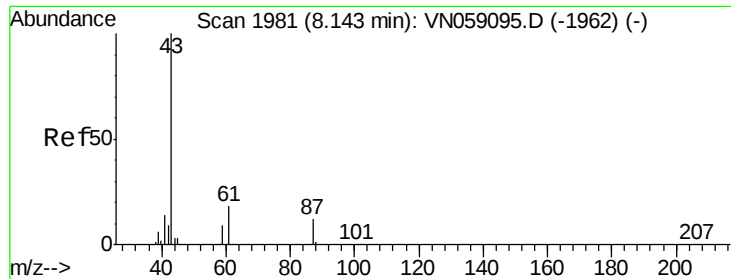


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

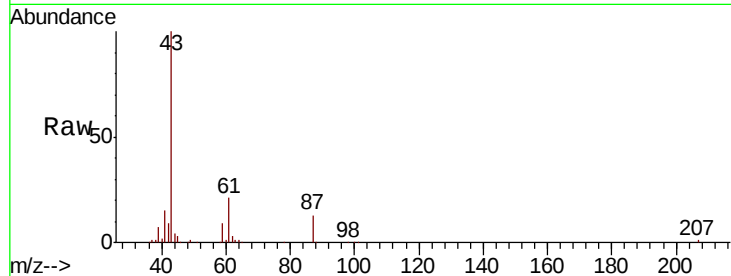
Time--> 8.00 8.10 8.20



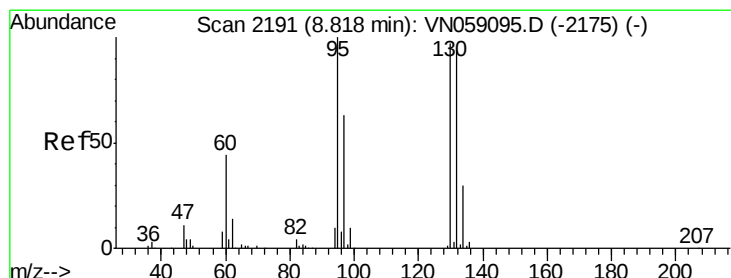
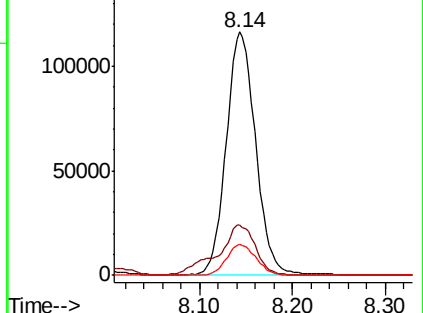
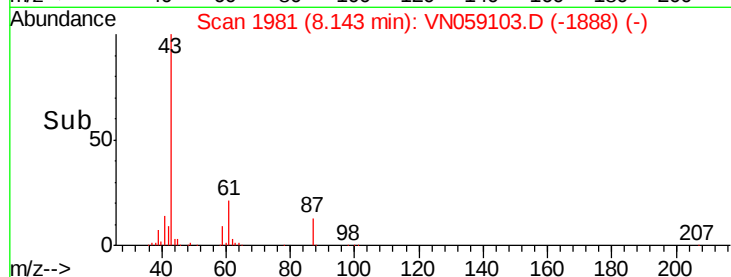
#43
Isopropyl Acetate
Concen: 19.981 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 254972
Ion Ratio Lower Upper
43 100
61 26.3 21.0 31.6
87 12.7 9.8 14.6

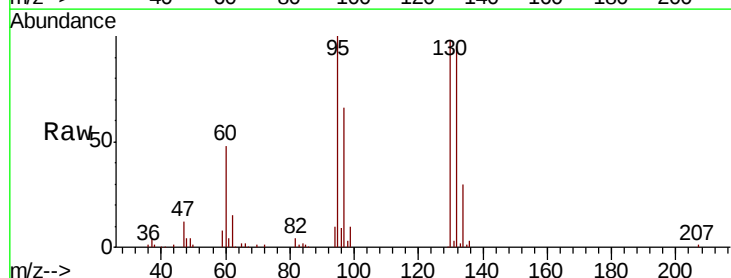


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

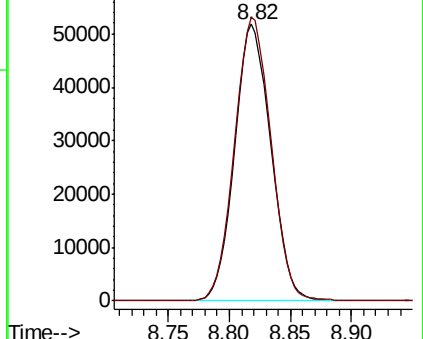
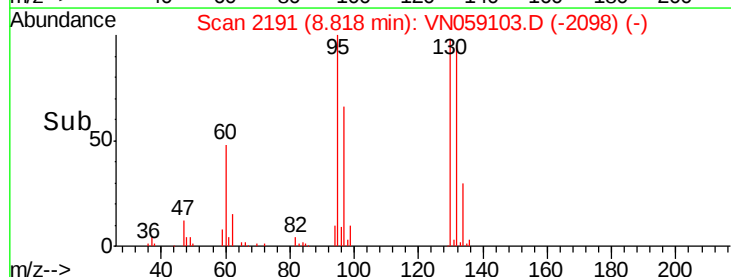


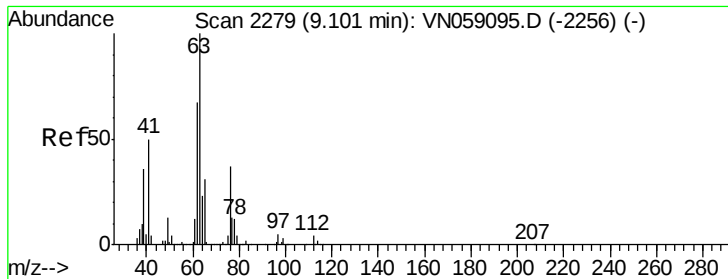
#44
Trichloroethene
Concen: 20.056 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion:130 Resp: 106817
Ion Ratio Lower Upper
130 100
95 102.2 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: 20.478 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

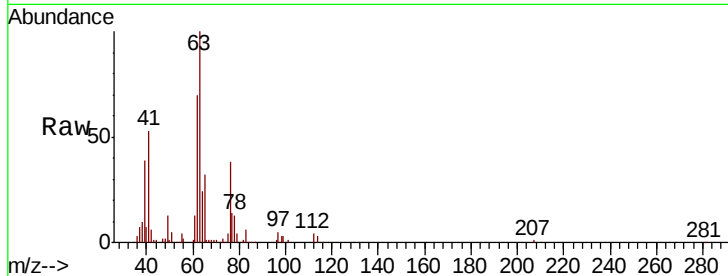
ClientSampleId :

Tot Ion: 63 Resp: 120511

Ion Ratio Lower Upper

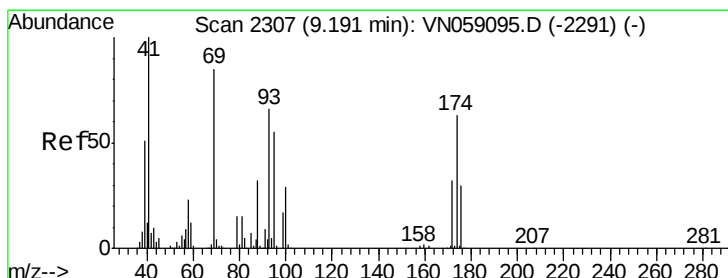
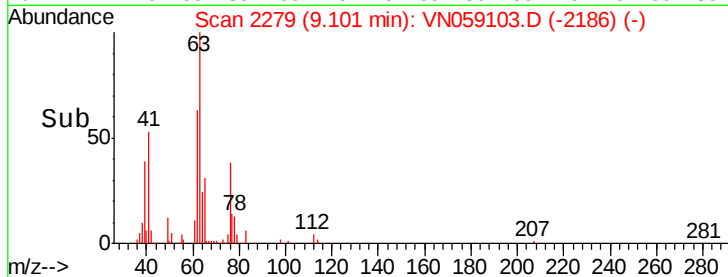
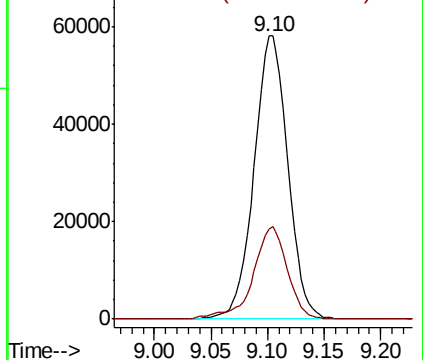
63 100

65 32.0 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN059103.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059103.D (-2186) (-)



#46

Dibromomethane

Concen: 20.168 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

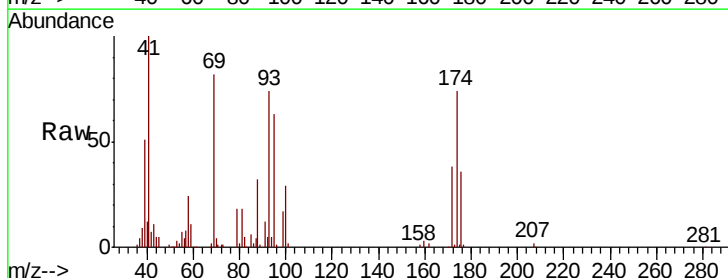
Tgt Ion: 93 Resp: 73959

Ion Ratio Lower Upper

93 100

95 83.0 66.6 100.0

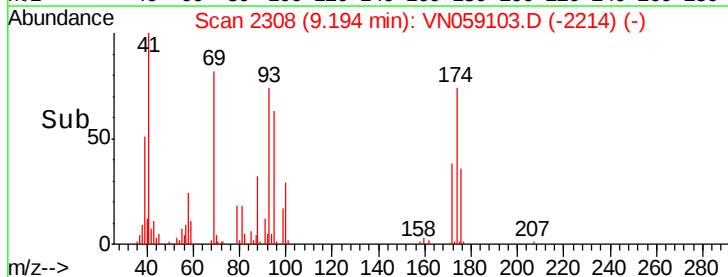
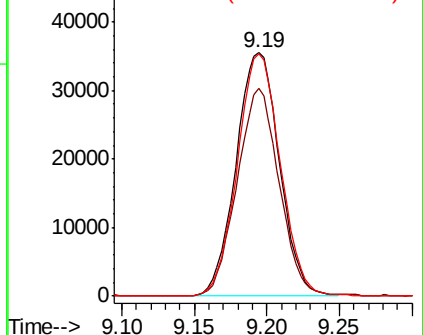
174 98.5 78.2 117.2

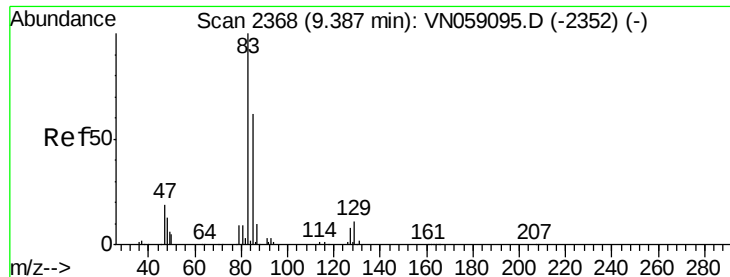


Abundance Ion 92.80 (92.50 to 93.50): VN059103.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN059103.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN059103.D (-2214) (-)





#47

Bromodichloromethane

Concen: 20.712 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :

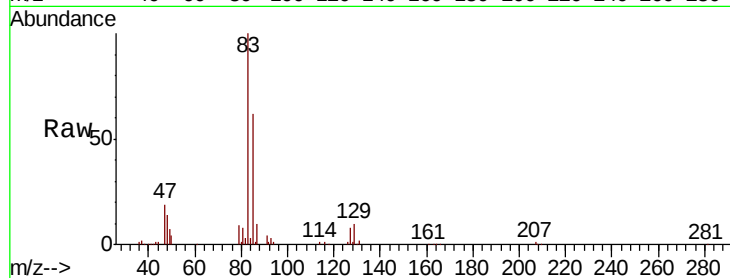
Tot Ion: 83 Resp: 151669

Ion Ratio Lower Upper

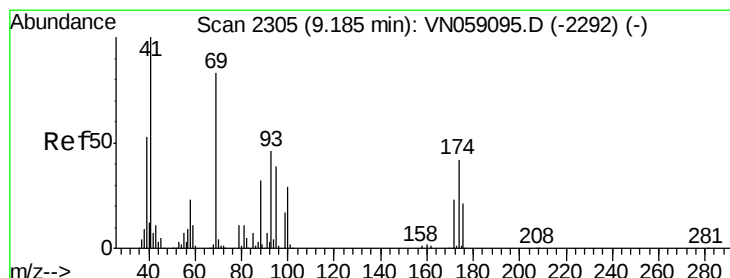
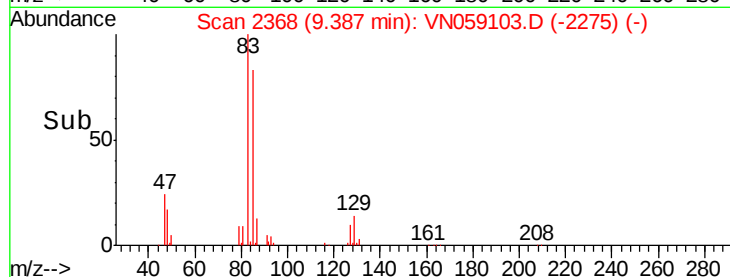
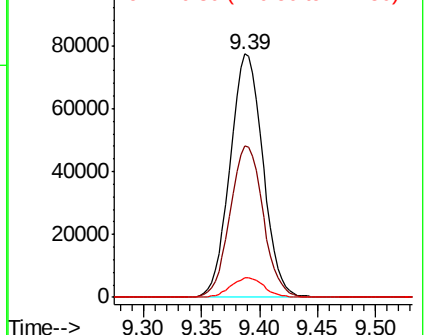
83 100

85 62.1 49.7 74.5

127 7.8 6.4 9.6



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



#48

Methyl methacrylate

Concen: 20.076 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

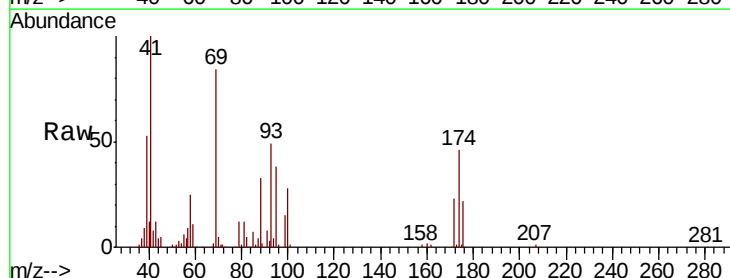
Tgt Ion: 41 Resp: 114586

Ion Ratio Lower Upper

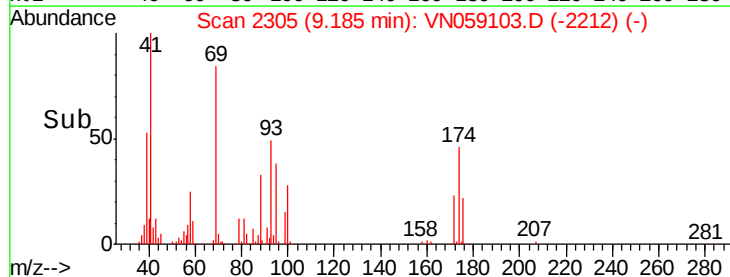
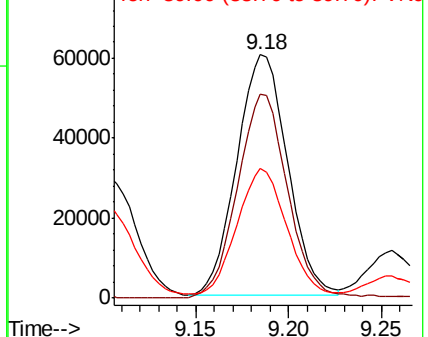
41 100

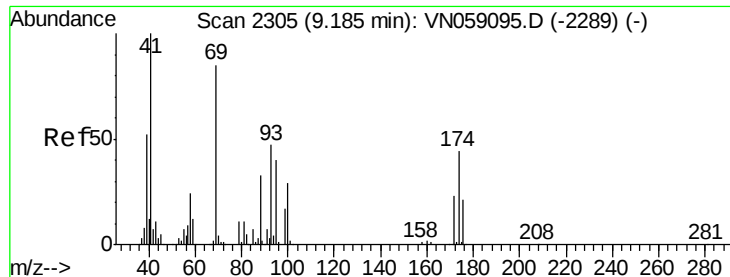
69 83.4 67.3 100.9

39 53.4 43.3 64.9



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

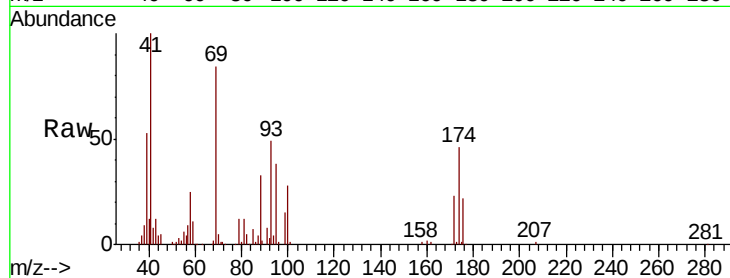




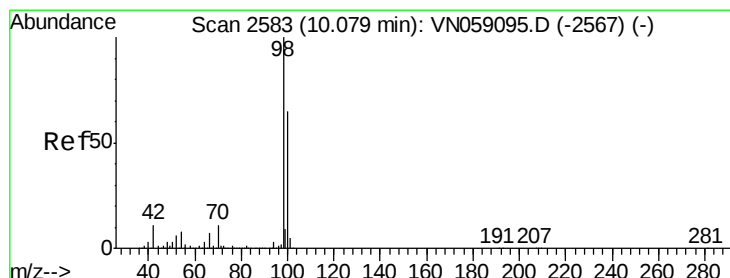
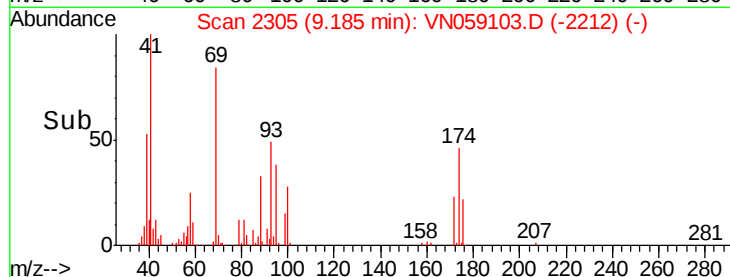
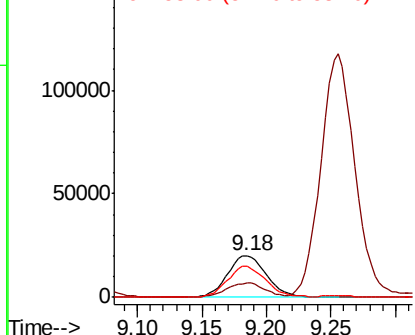
#49
1,4-Dioxane
Concen: 418.910 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 42492
Ion Ratio Lower Upper
88 100
43 33.8 26.3 39.5
58 74.1 60.6 90.8

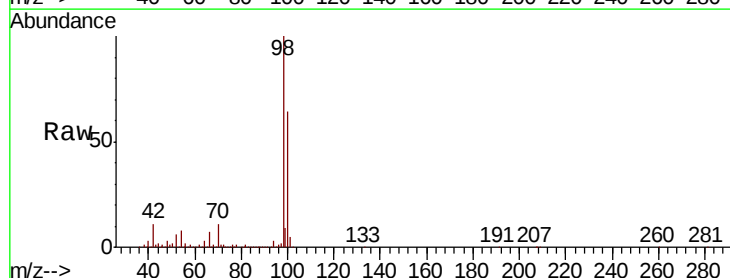


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

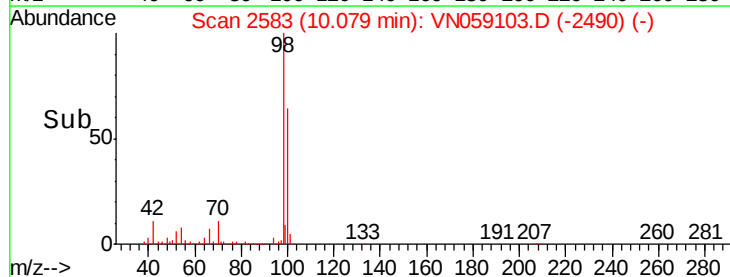
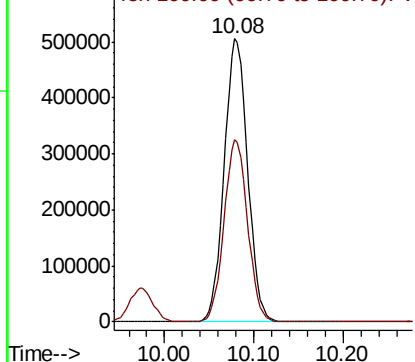


#50
Toluene-d8
Concen: 50.718 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion: 98 Resp: 918174
Ion Ratio Lower Upper
98 100
100 64.5 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: 112.610 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

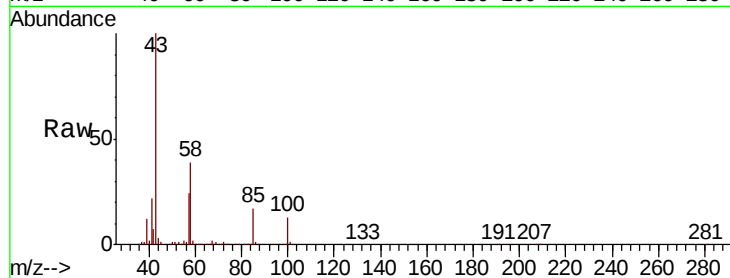
ClientSampleId :

Tot Ion: 43 Resp: 813064

Ion Ratio Lower Upper

43 100

58 38.8 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

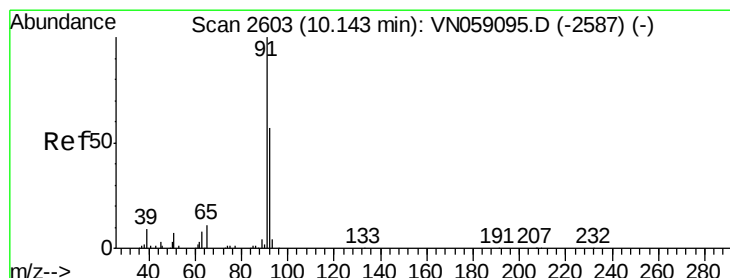
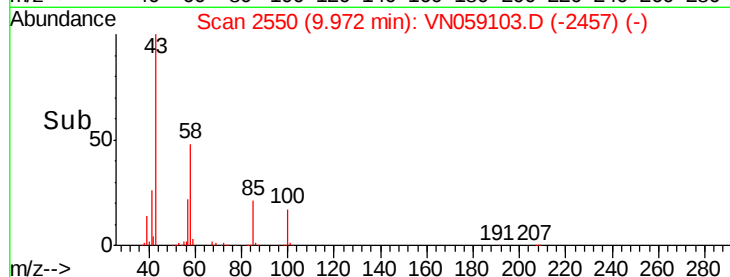
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.398 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059103.D

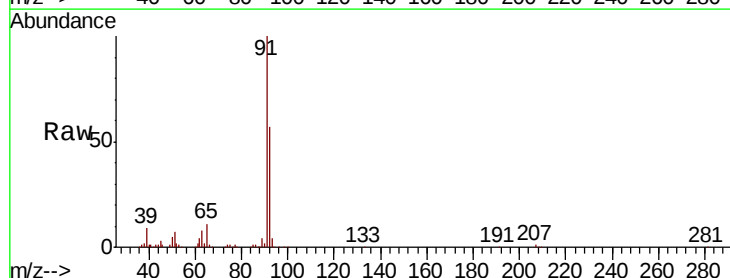
Acq: 6 Nov 2019 13:34

Tgt Ion: 92 Resp: 264890

Ion Ratio Lower Upper

92 100

91 174.5 139.5 209.3



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

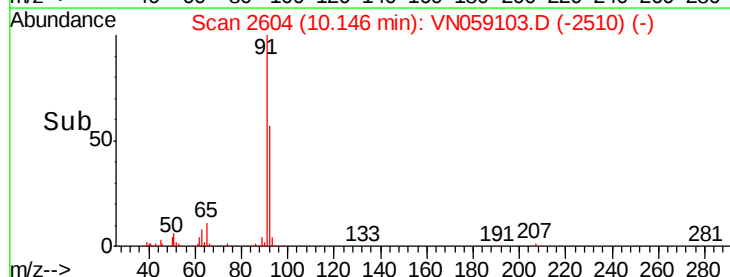
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.898 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

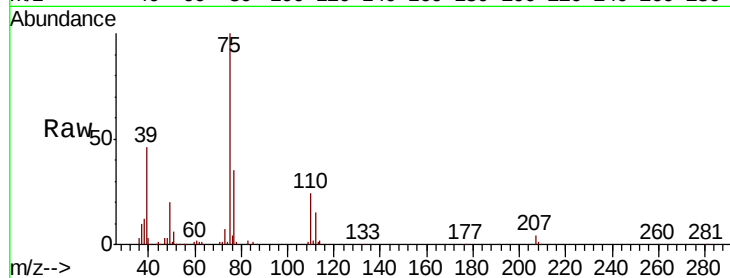
ClientSampled :

Tot Ion: 75 Resp: 168345

Ion Ratio Lower Upper

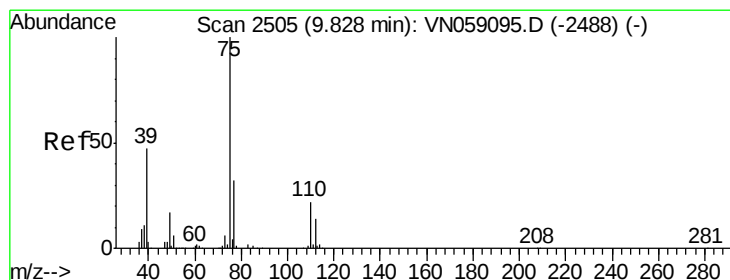
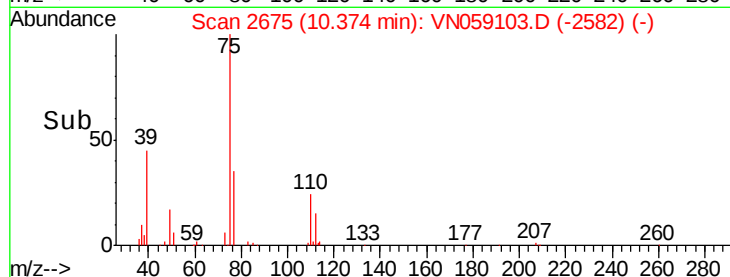
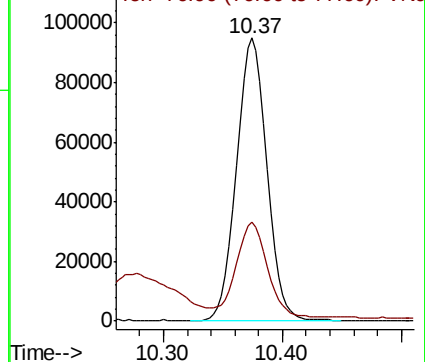
75 100

77 33.3 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 20.394 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

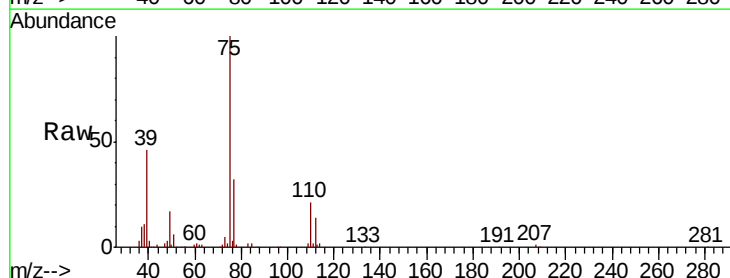
Tgt Ion: 75 Resp: 185595

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

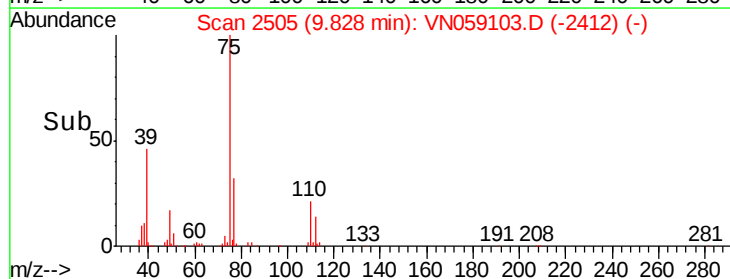
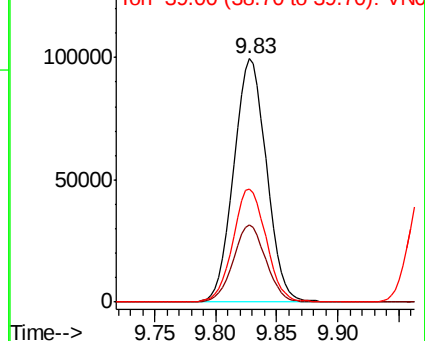
39 46.5 37.3 55.9

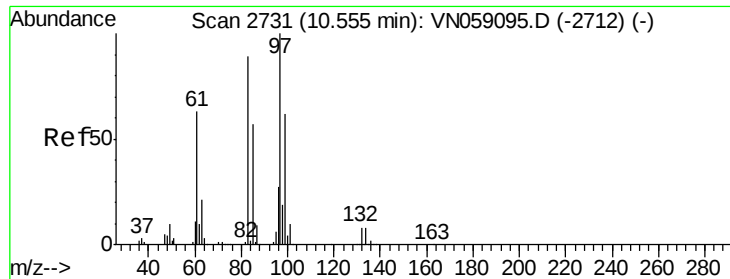


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

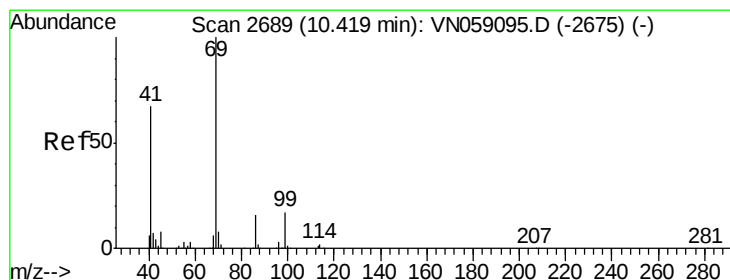
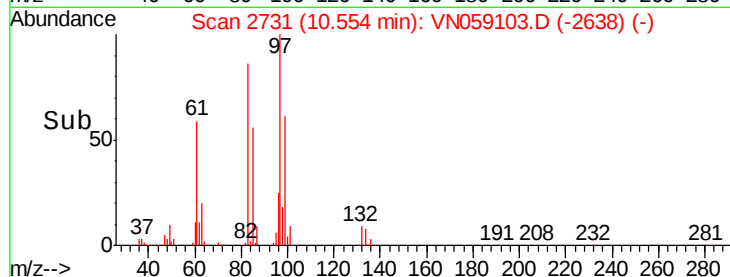
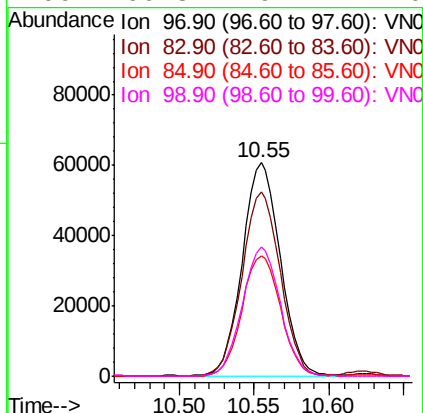
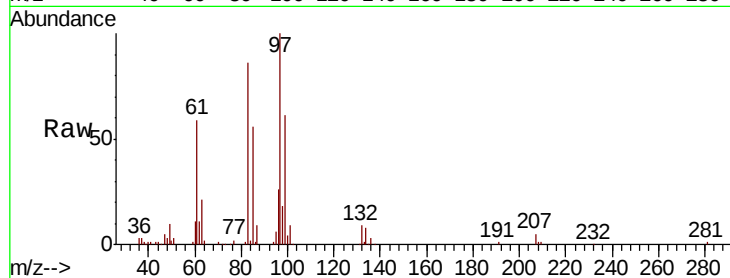




#55
 1,1,2-Trichloroethane
 Concen: 20.531 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

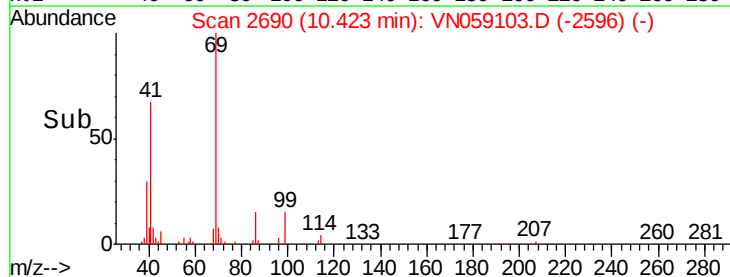
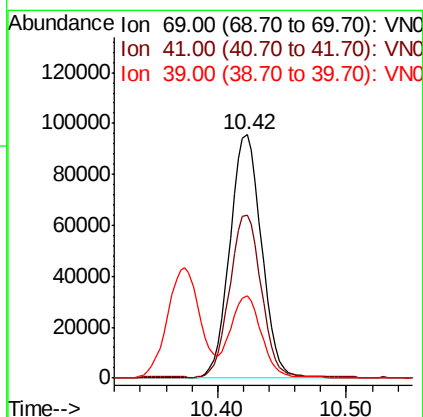
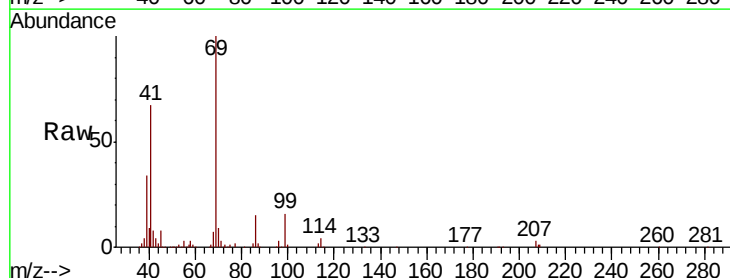
Instrument :
 MSVOA_N
 ClientSampleId :

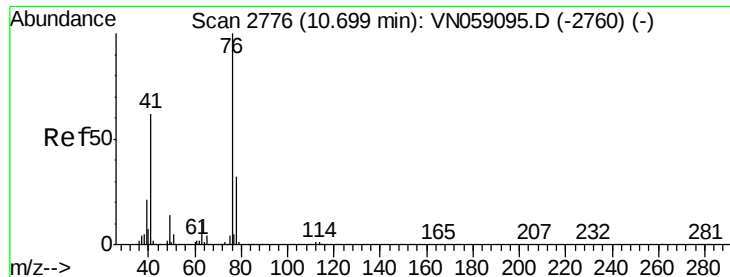
Tot Ion:	97	Resp:	107904
Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.0	106.4
85	56.2	45.8	68.8
99	60.8	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 19.834 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

Tgt Ion:	69	Resp:	163569
Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.6	80.4
39	32.8	26.2	39.4





#57

1,3-Dichloropropane

Concen: 20.383 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

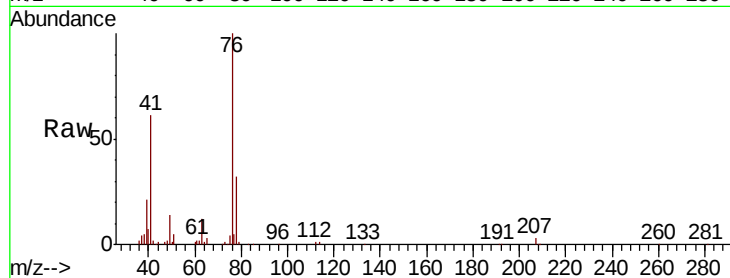
ClientSampleId :

Tot Ion: 76 Resp: 184376

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN059103.D (-2683) (-)

Ion 77.90 (77.60 to 78.60): VN059103.D (-2683) (-)

10.70

120000

100000

80000

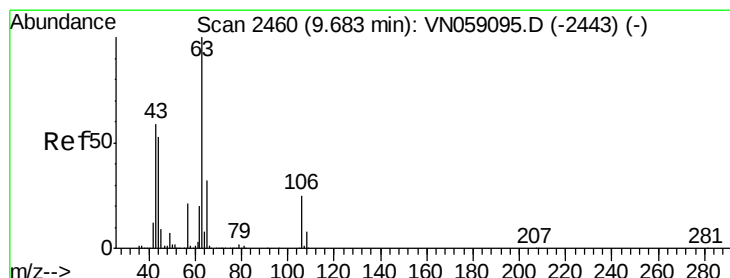
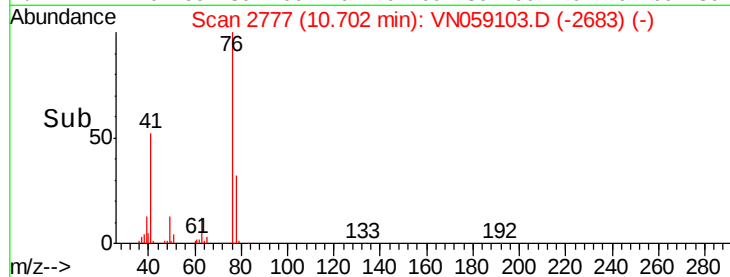
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 112.535 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059103.D

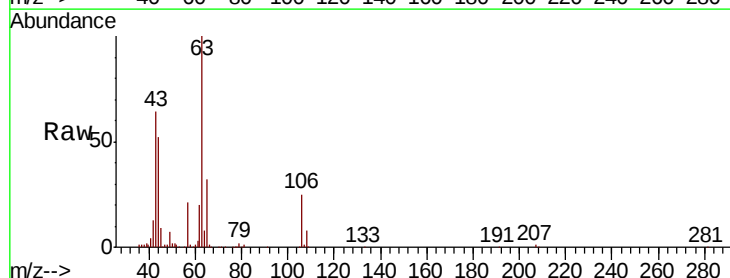
Acq: 6 Nov 2019 13:34

Tgt Ion: 63 Resp: 329149

Ion Ratio Lower Upper

63 100

106 25.0 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059103.D (-2367) (-)

Ion 105.90 (105.60 to 106.60): VN059103.D (-2367) (-)

9.68

200000

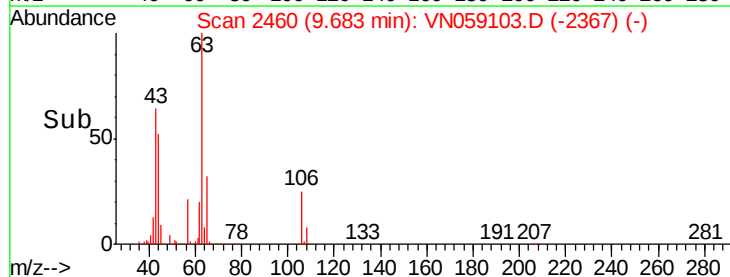
150000

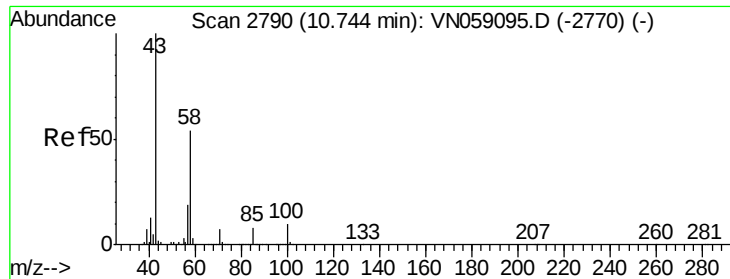
100000

50000

0

Time--> 9.60 9.70 9.80

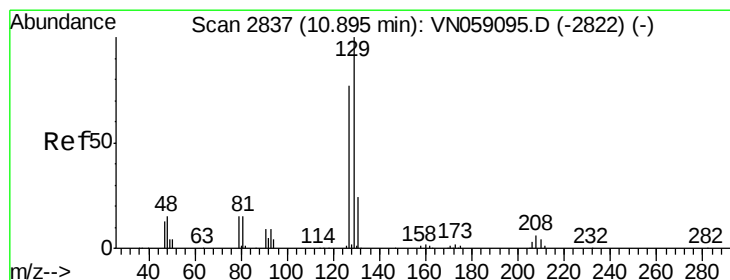
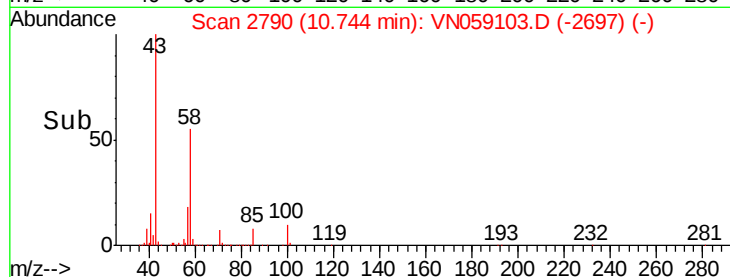
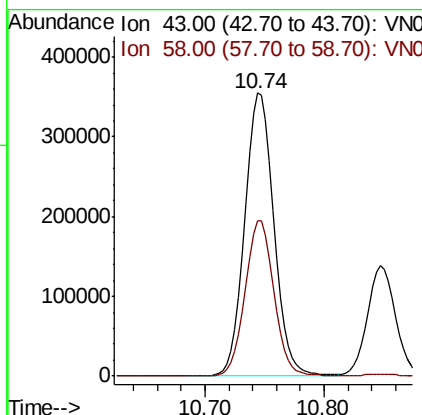
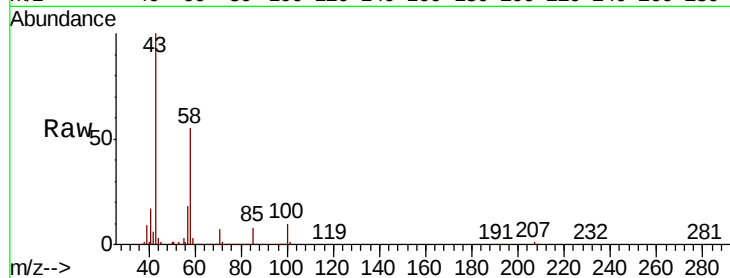




#59
2-Hexanone
Concen: 109.107 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

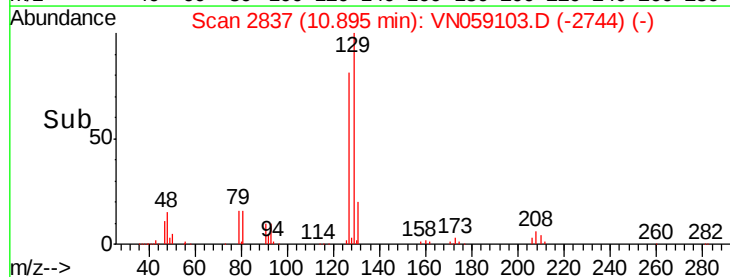
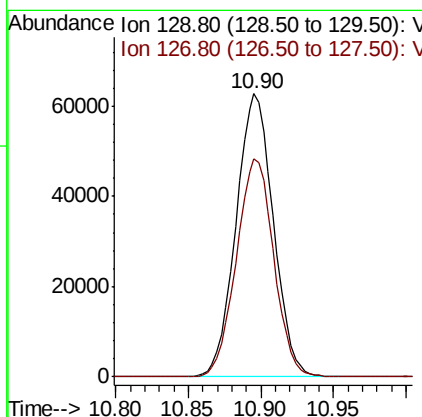
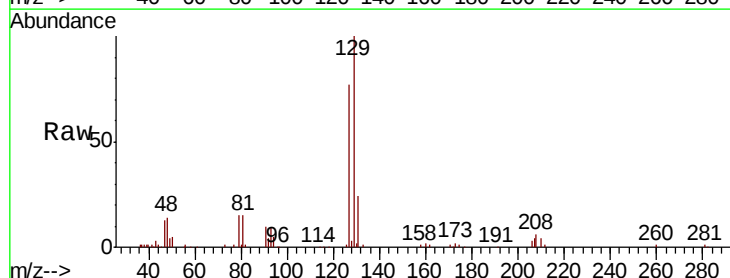
Instrument :
MSVOA_N
ClientSampled :

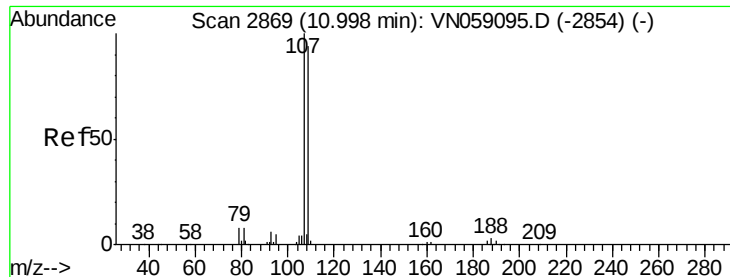
Tot Ion: 43 Resp: 604655
Ion Ratio Lower Upper
43 100
58 54.4 27.3 81.8



#60
Dibromochloromethane
Concen: 20.154 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion: 129 Resp: 111990
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

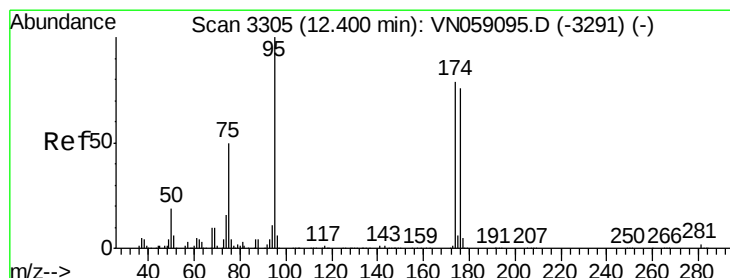
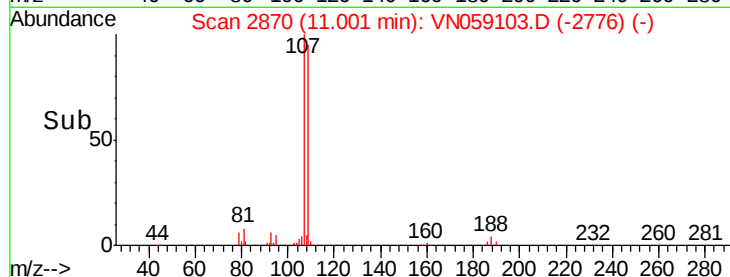
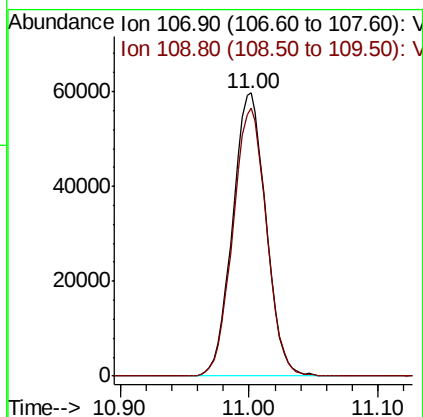
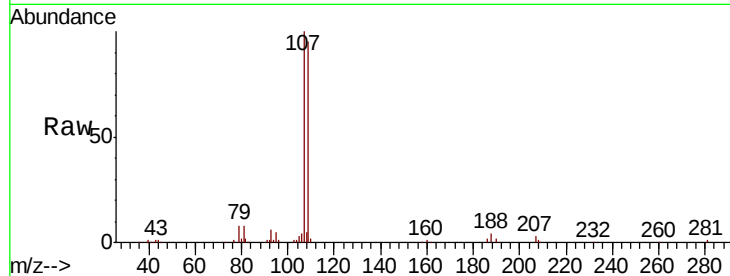




#61
 1,2-Dibromoethane
 Concen: 20.193 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

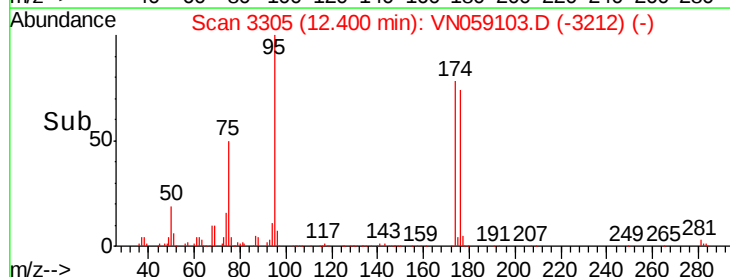
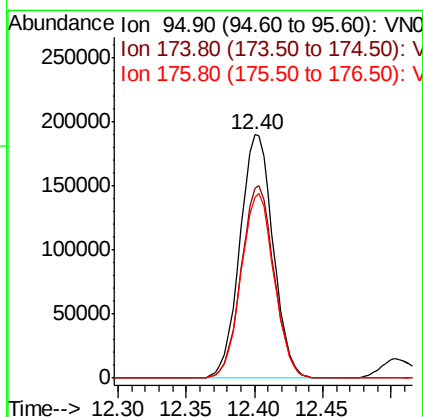
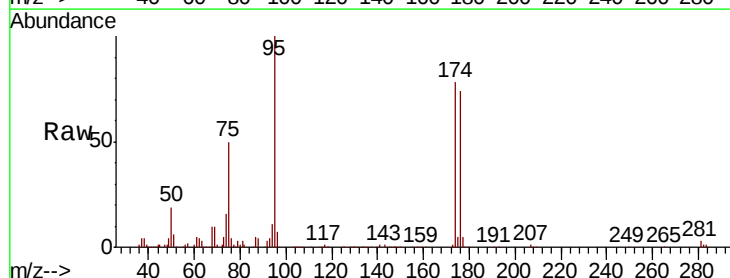
Instrument :
 MSVOA_N
 ClientSampleId :

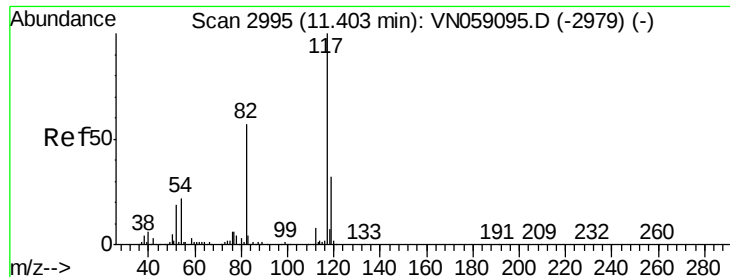
Tot Ion: 107 Resp: 107433
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 49.271 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

Tgt Ion: 95 Resp: 321614
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 158.2
 176 75.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

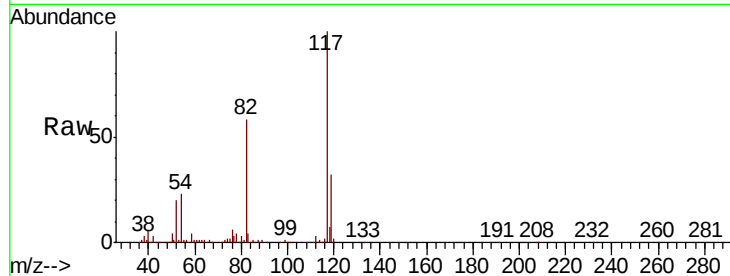
Tot Ion:117 Resp: 687805

Ion Ratio Lower Upper

117 100

82 58.3 45.8 68.8

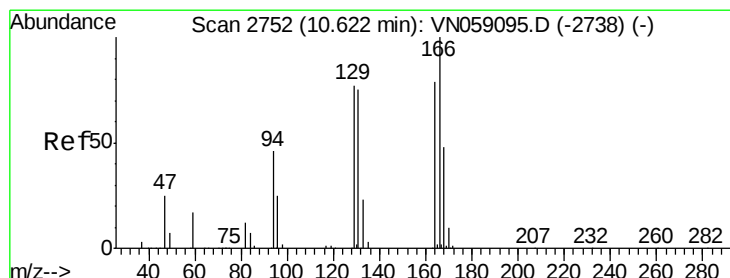
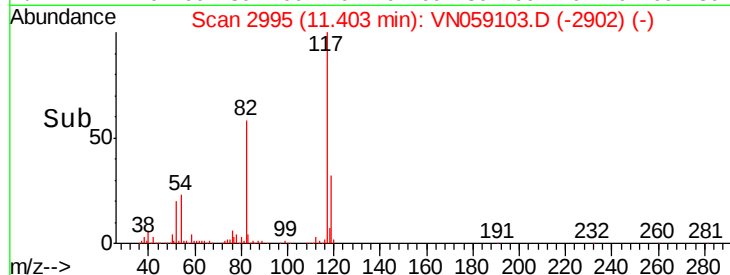
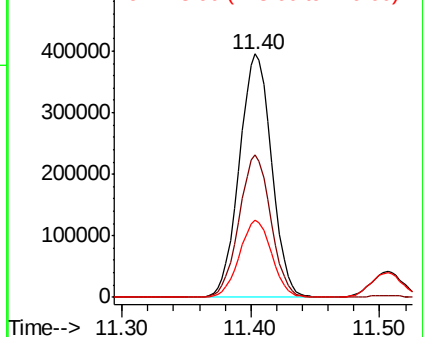
119 31.5 25.8 38.6



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: 20.629 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Tgt Ion:164 Resp: 96479

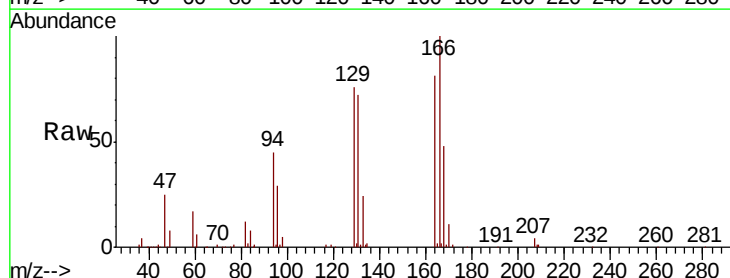
Ion Ratio Lower Upper

164 100

166 123.8 101.5 152.3

129 93.7 78.3 117.5

131 89.7 75.9 113.9

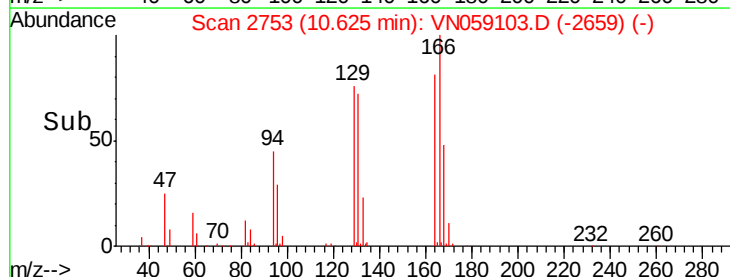
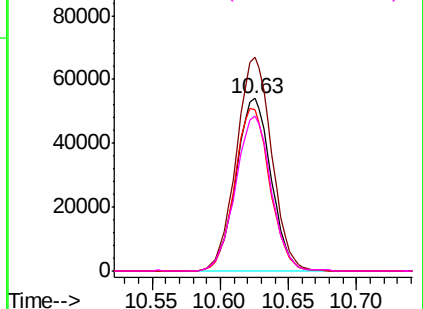


Abundance Ion 163.80 (163.50 to 164.50): V

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

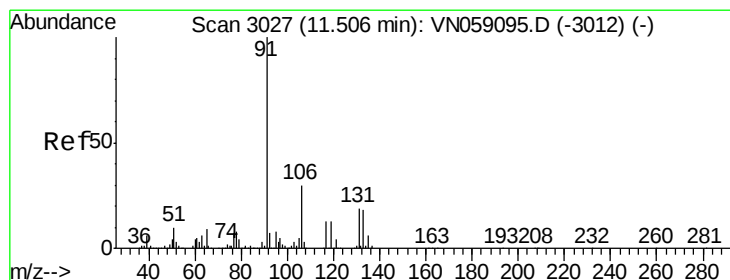
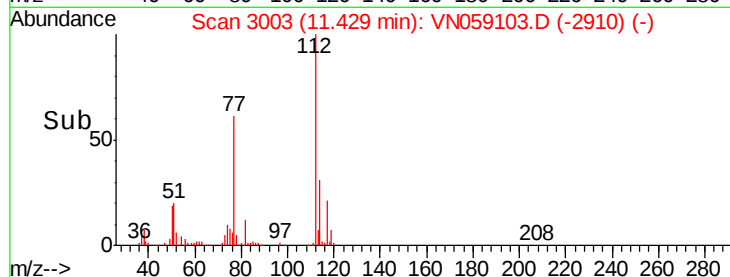
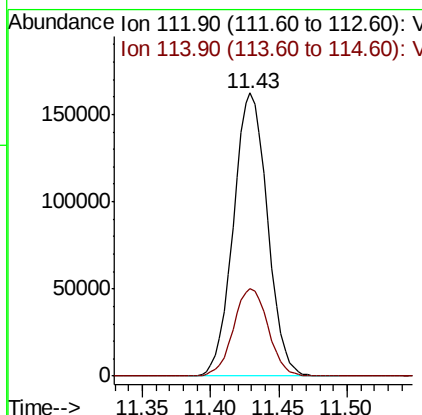
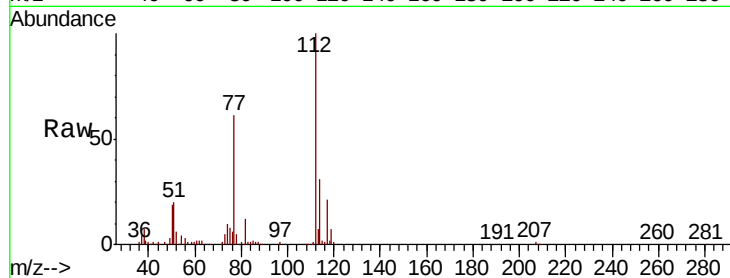




#65
Chlorobenzene
Concen: 20.990 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

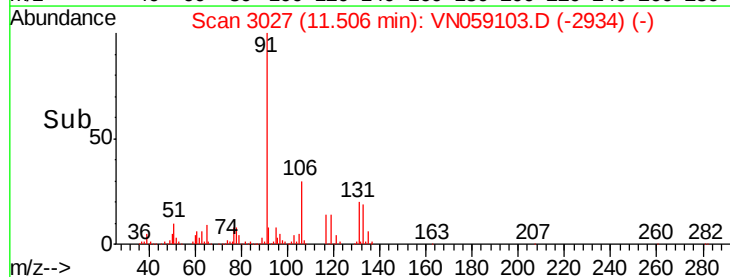
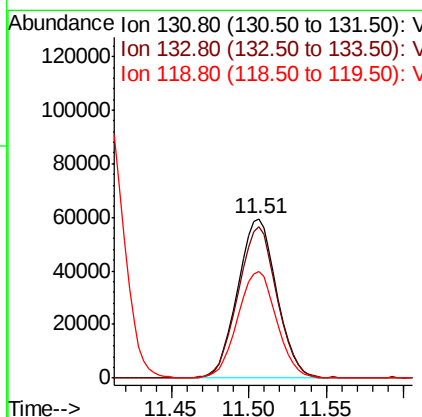
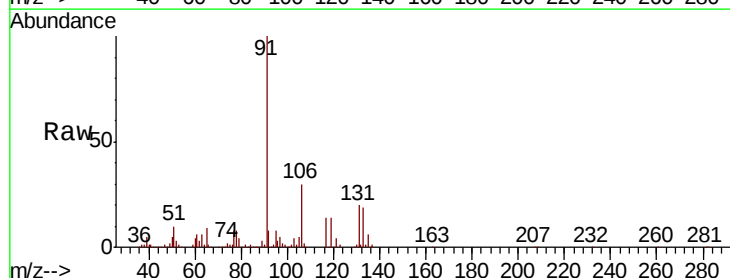
Instrument :
MSVOA_N
ClientSampled :

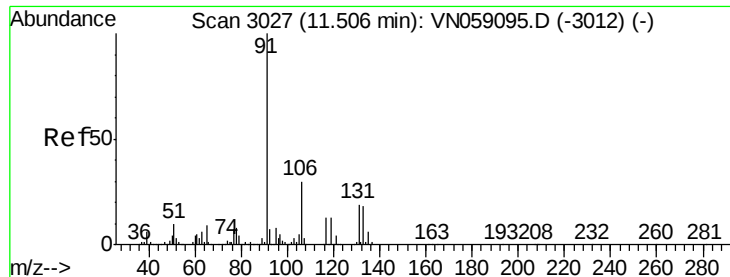
Tot Ion:112 Resp: 281439
Ion Ratio Lower Upper
112 100
114 30.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.761 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion:131 Resp: 104419
Ion Ratio Lower Upper
131 100
133 94.4 47.4 142.3
119 67.0 33.2 99.6





#67

Ethyl Benzene

Concen: 21.146 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

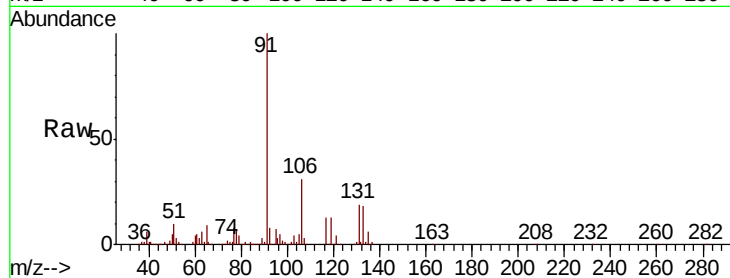
ClientSampled :

Tot Ion: 91 Resp: 503034

Ion Ratio Lower Upper

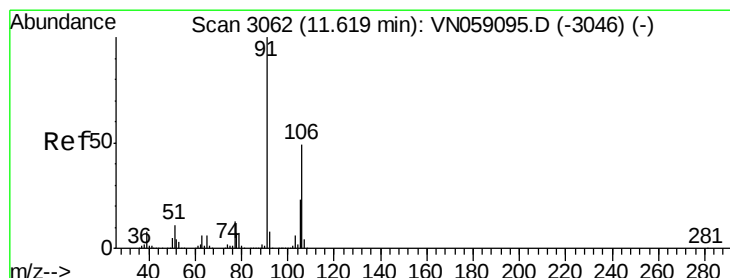
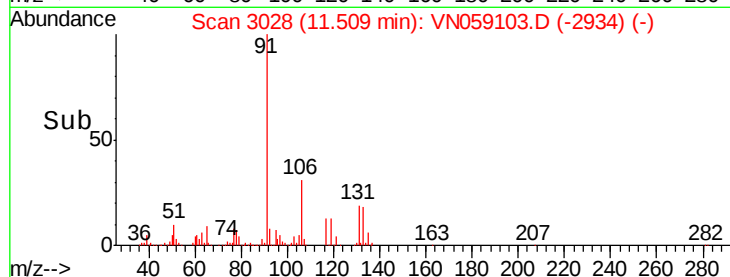
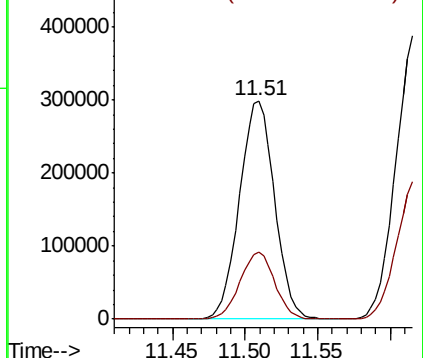
91 100

106 30.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.127 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059103.D

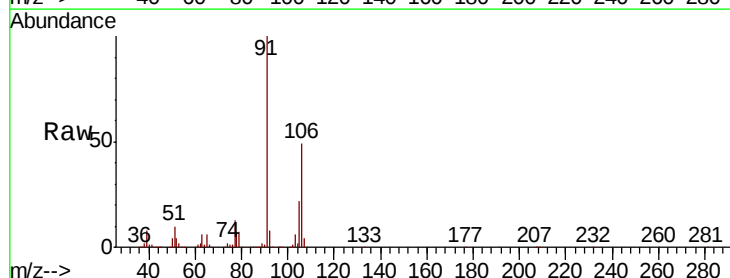
Acq: 6 Nov 2019 13:34

Tgt Ion: 106 Resp: 366482

Ion Ratio Lower Upper

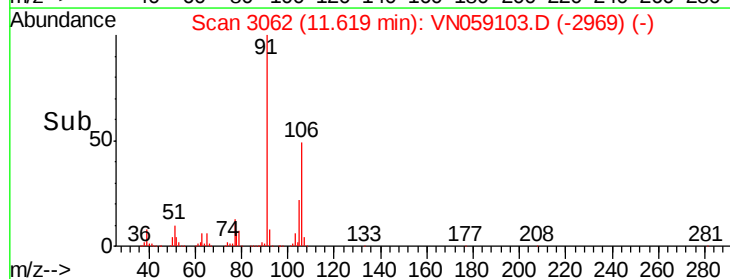
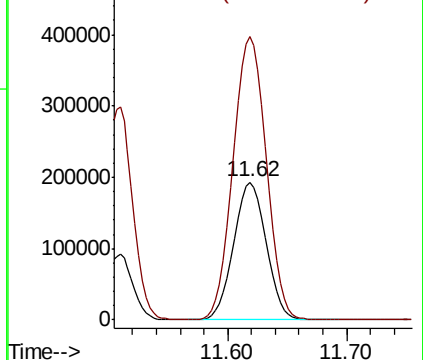
106 100

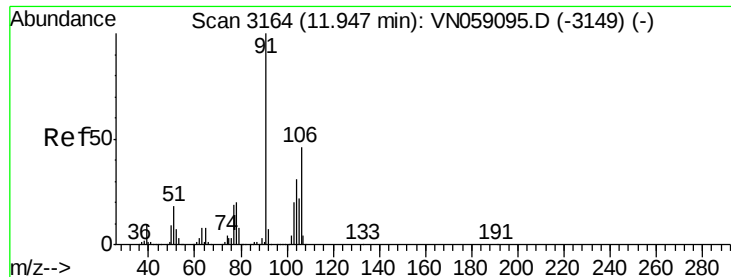
91 209.7 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

o-Xylene

Concen: 20.385 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

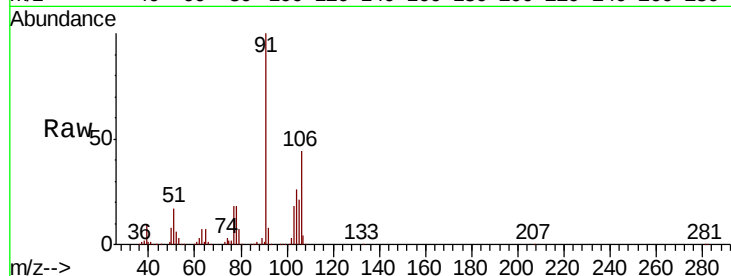
ClientSampled :

Tot Ion:106 Resp: 175545

Ion Ratio Lower Upper

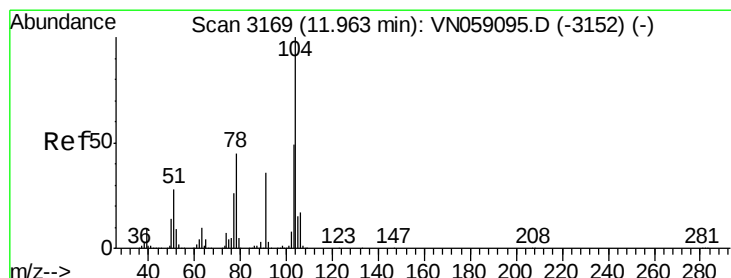
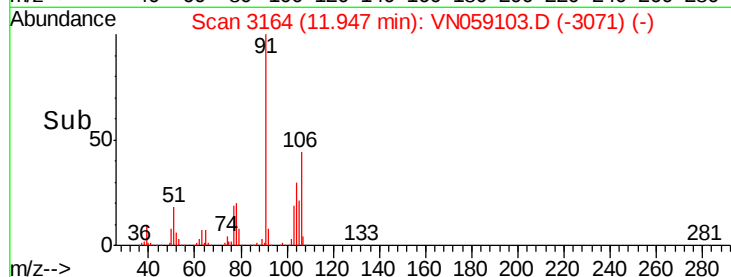
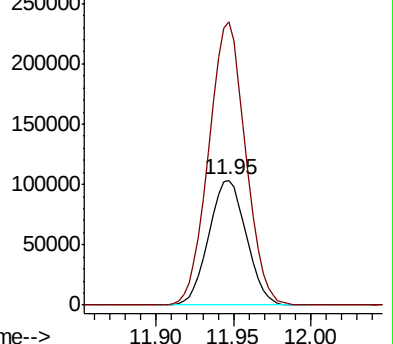
106 100

91 221.5 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.721 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

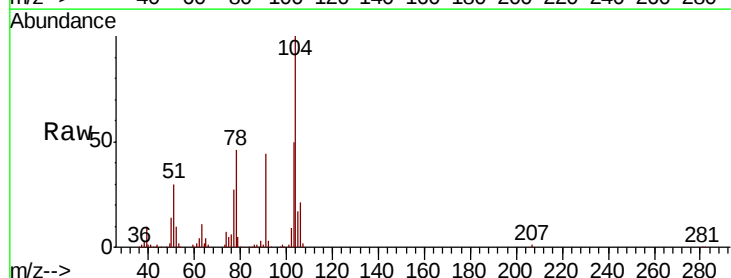
Tgt Ion:104 Resp: 280642

Ion Ratio Lower Upper

104 100

78 52.6 41.2 61.8

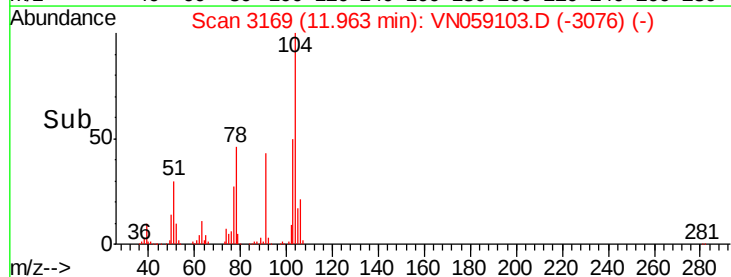
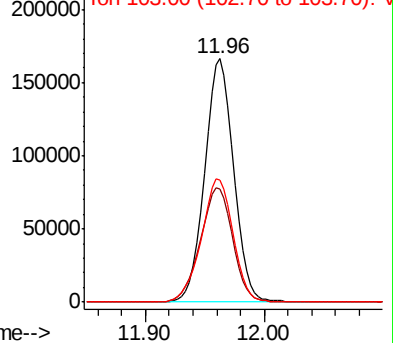
103 55.4 43.8 65.6

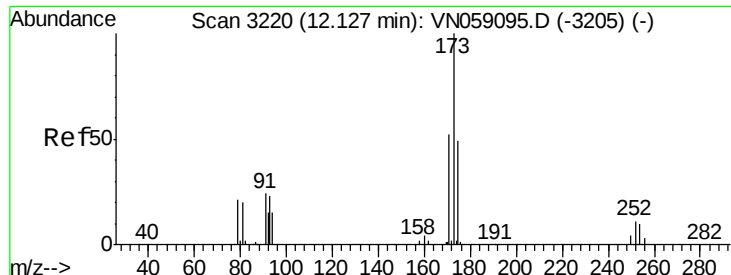


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

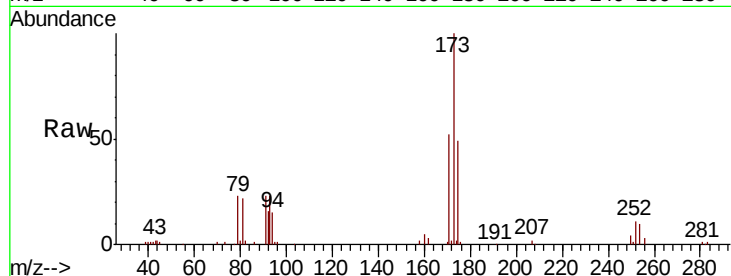




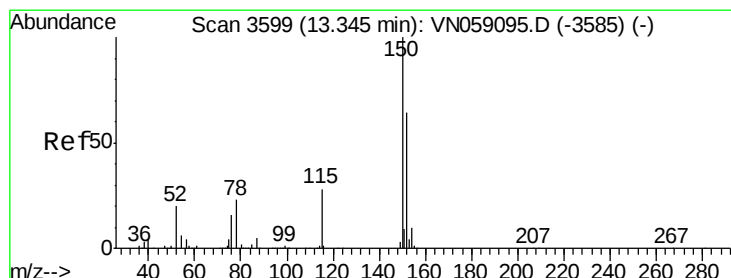
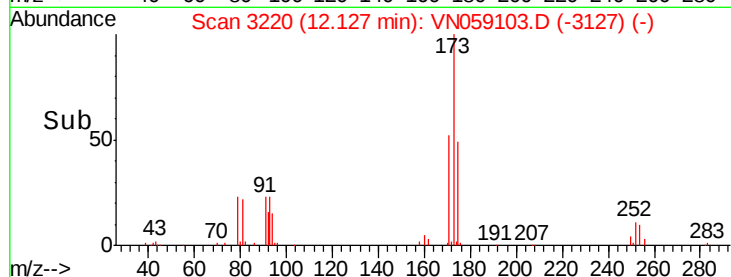
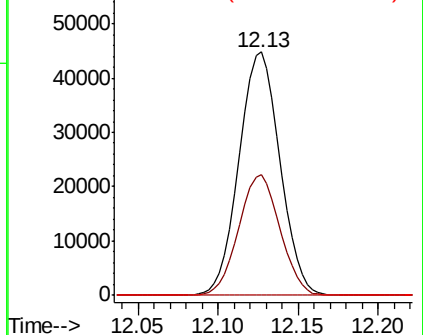
#71
Bromoform
Concen: 20.006 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 78269
Ion Ratio Lower Upper
173 100
175 49.7 24.2 72.6
254 0.0 0.1 0.1#

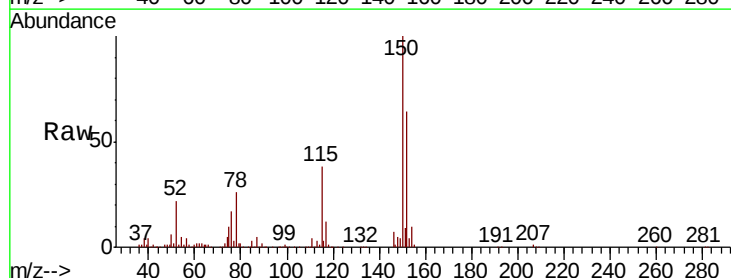


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

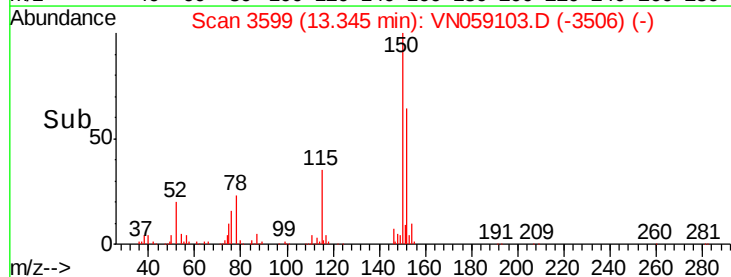
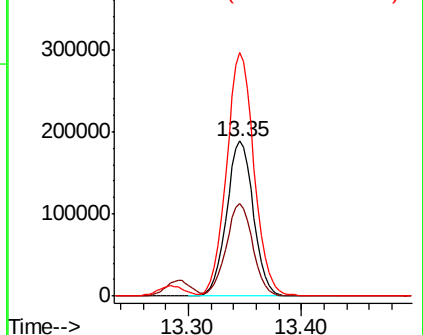


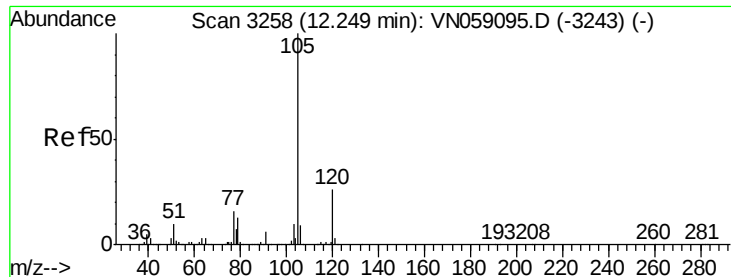
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion:152 Resp: 309511
Ion Ratio Lower Upper
152 100
115 59.1 29.4 88.2
150 162.2 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: 21.251 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

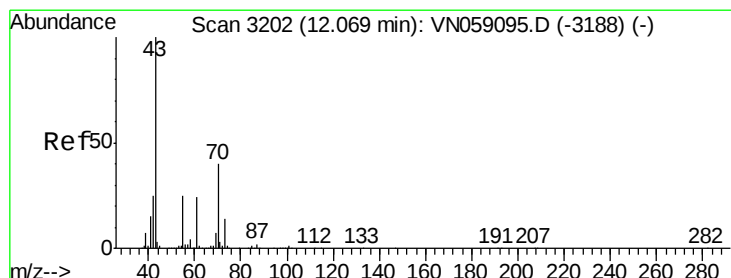
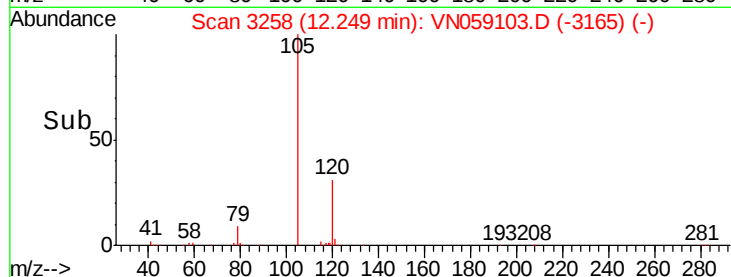
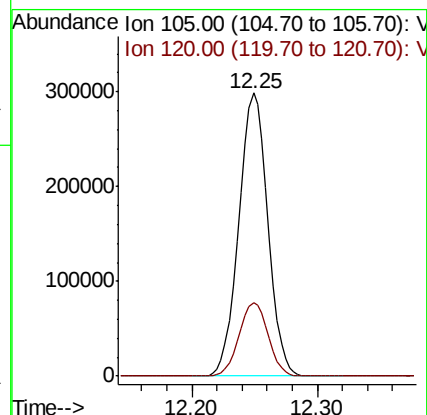
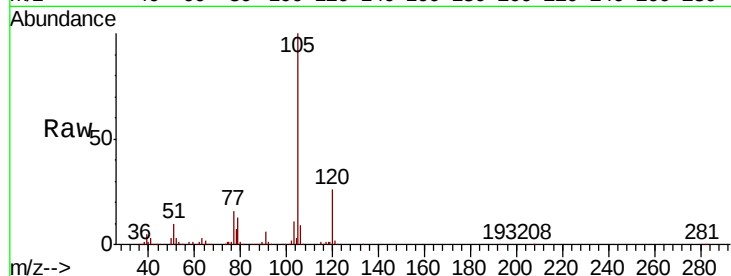
ClientSampleId :

Tot Ion:105 Resp: 478449

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.3



#74

N-ethyl acetate

Concen: 21.297 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Tgt Ion: 43 Resp: 203177

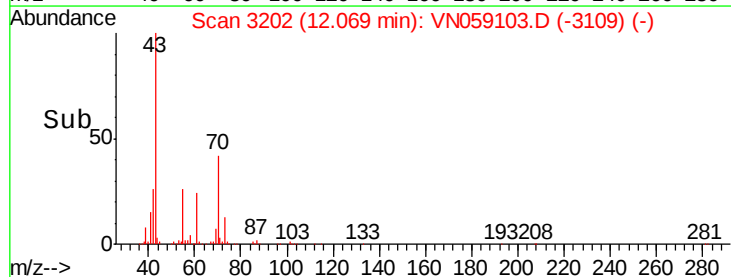
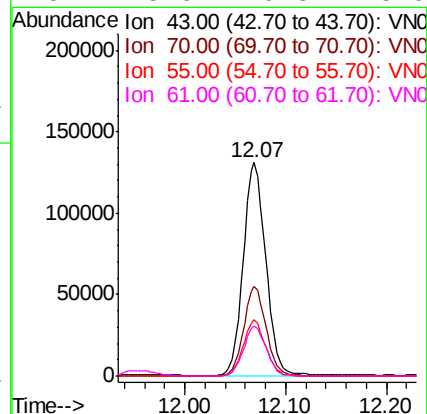
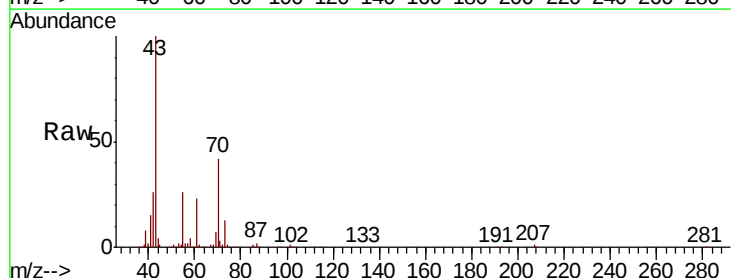
Ion Ratio Lower Upper

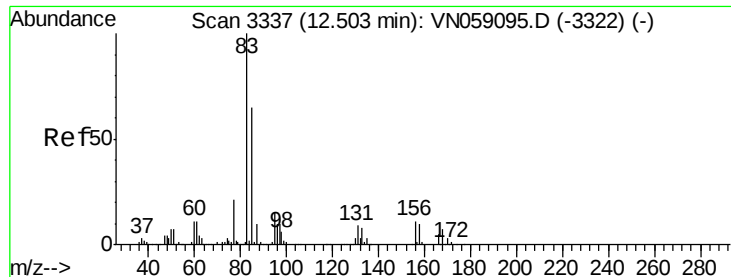
43 100

70 41.6 32.2 48.4

55 25.8 20.4 30.6

61 23.6 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.078 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

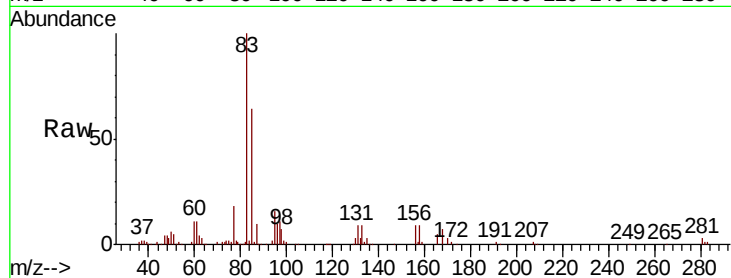
Tot Ion: 83 Resp: 161605

Ion Ratio Lower Upper

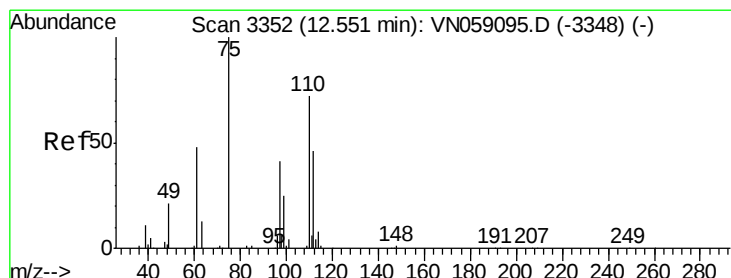
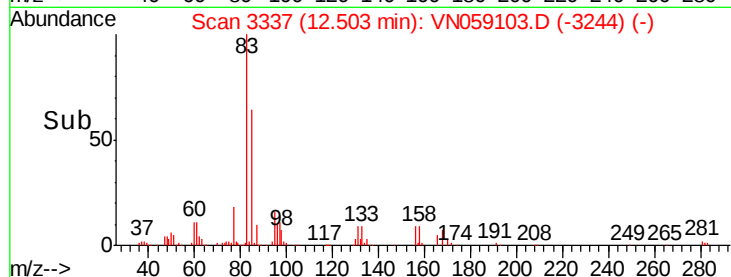
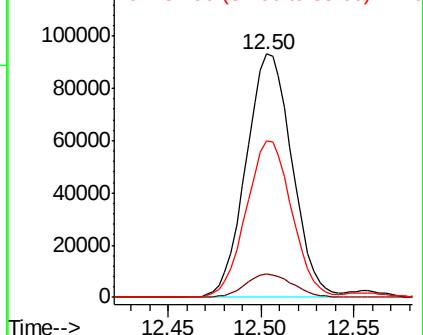
83 100

131 9.9 4.9 14.6

85 63.8 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 30.613 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059103.D

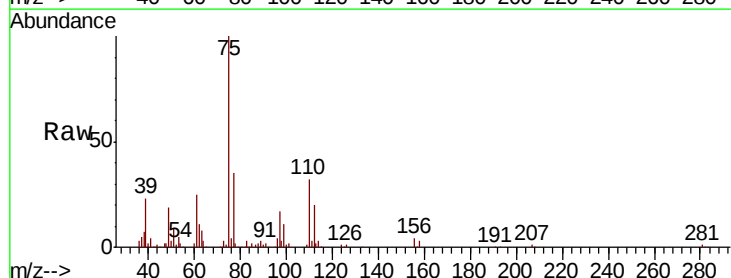
Acq: 6 Nov 2019 13:34

Tgt Ion: 75 Resp: 215713

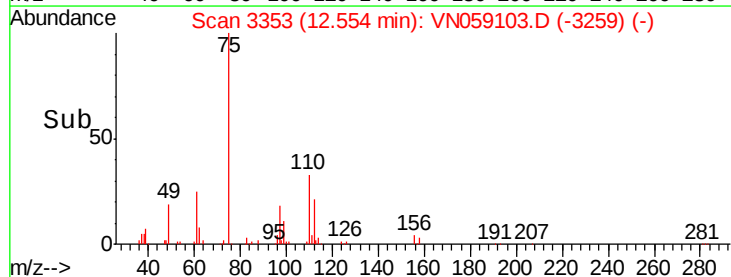
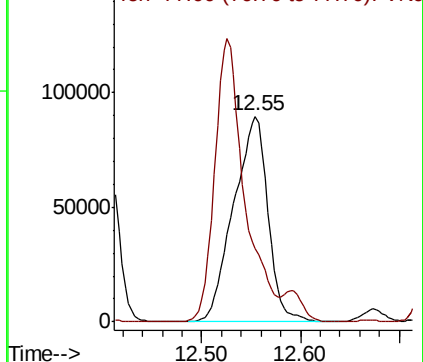
Ion Ratio Lower Upper

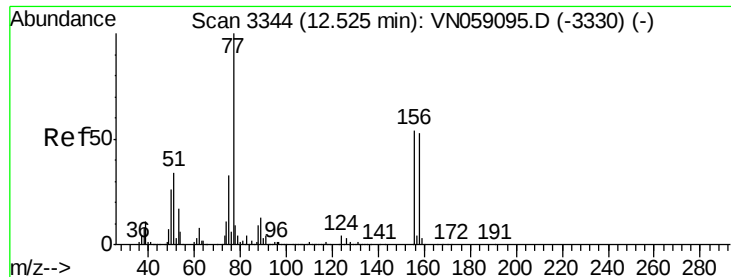
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.139 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

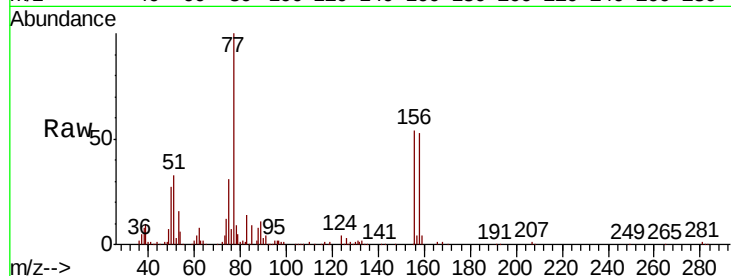
Tot Ion:156 Resp: 113917

Ion Ratio Lower Upper

156 100

77 227.6 112.8 338.3

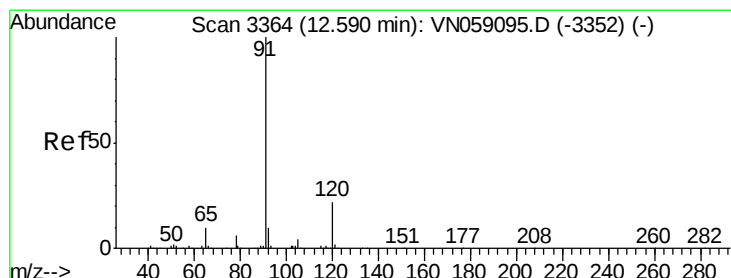
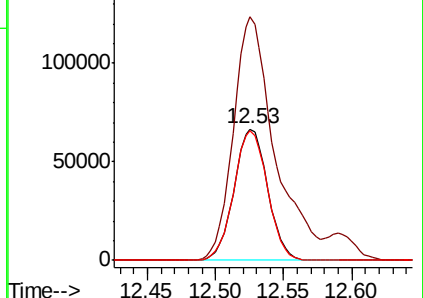
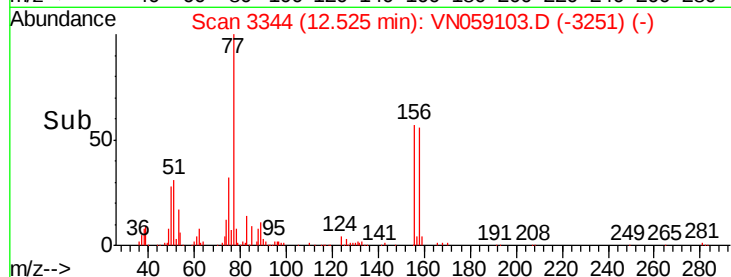
158 98.9 48.4 145.3



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: 21.317 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059103.D

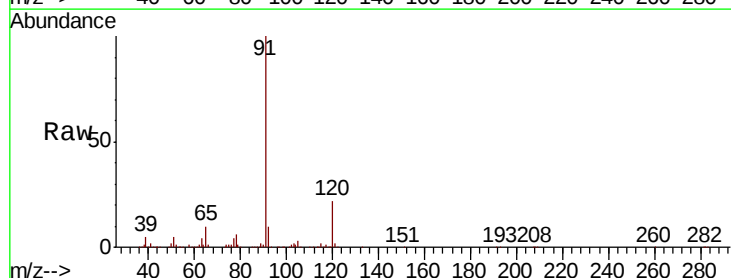
Acq: 6 Nov 2019 13:34

Tgt Ion: 91 Resp: 549529

Ion Ratio Lower Upper

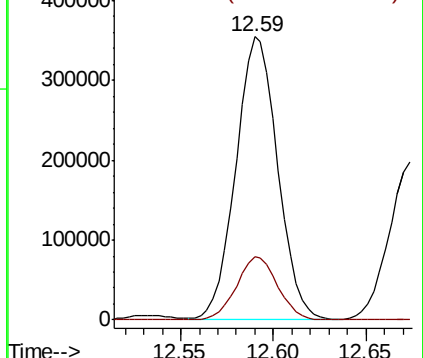
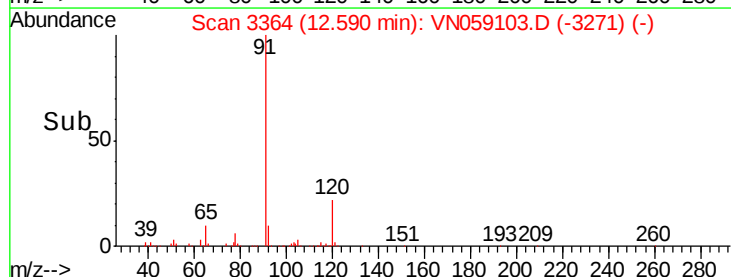
91 100

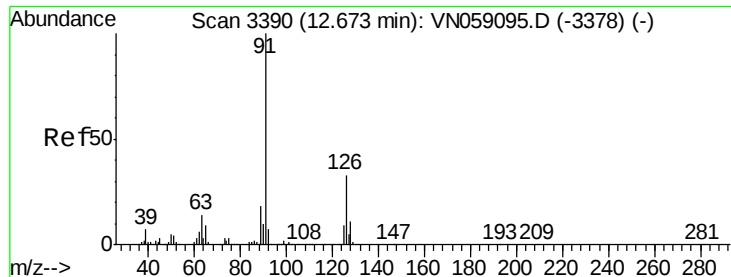
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.547 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

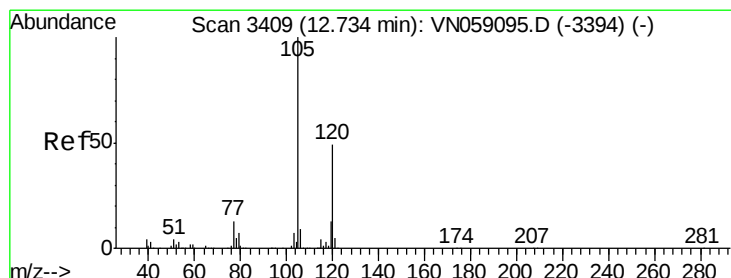
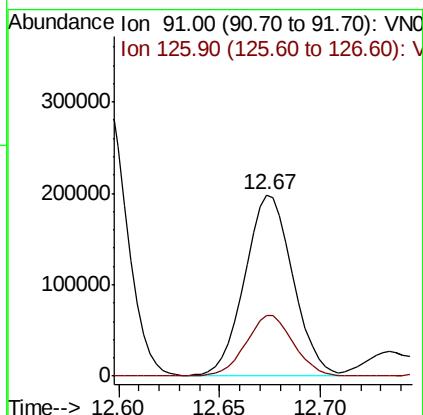
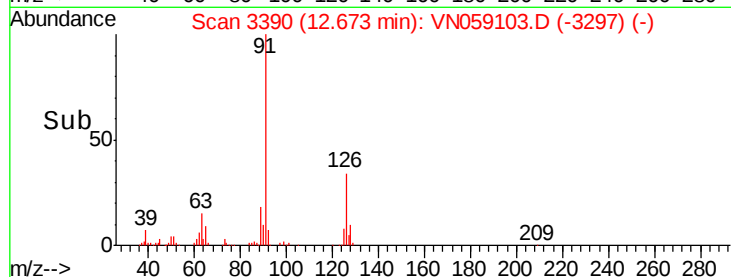
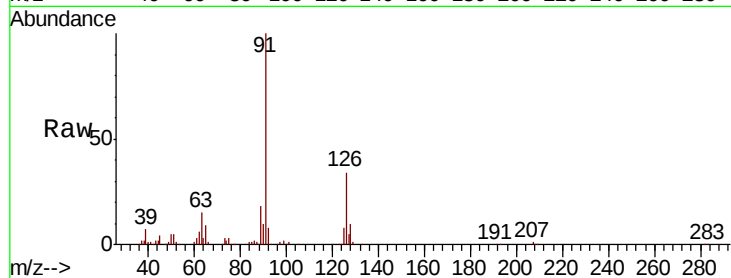
ClientSampled :

Tot Ion: 91 Resp: 328583

Ion Ratio Lower Upper

91 100

126 33.5 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 21.039 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059103.D

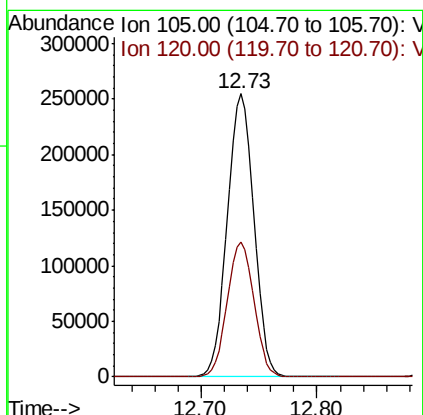
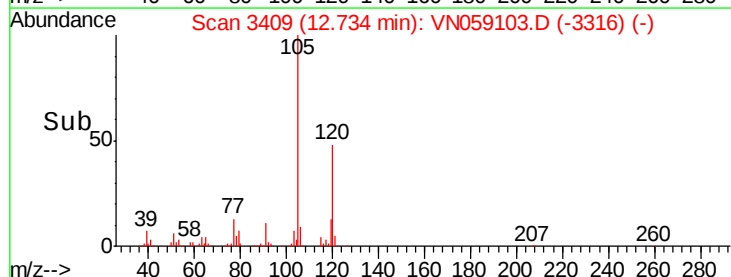
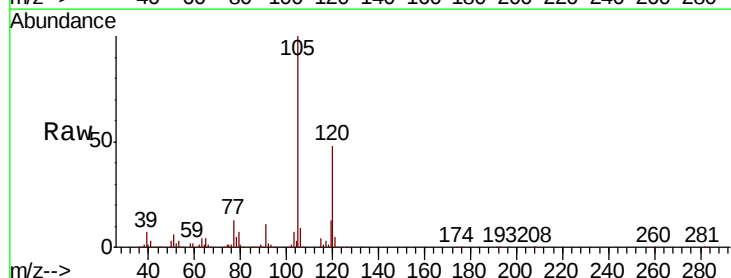
Acq: 6 Nov 2019 13:34

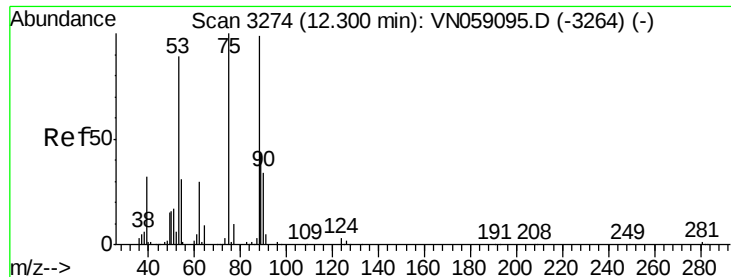
Tgt Ion: 105 Resp: 401373

Ion Ratio Lower Upper

105 100

120 48.0 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.320 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

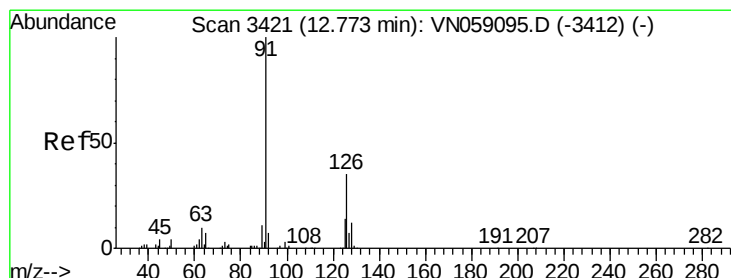
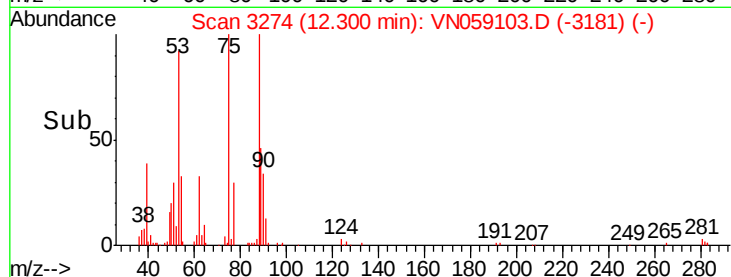
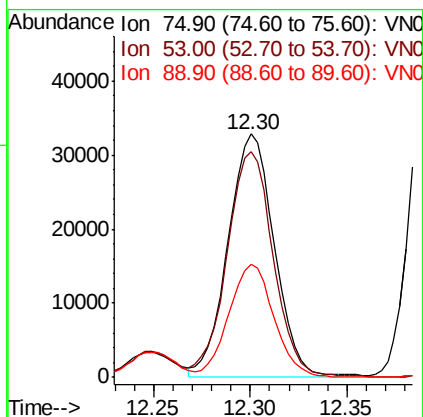
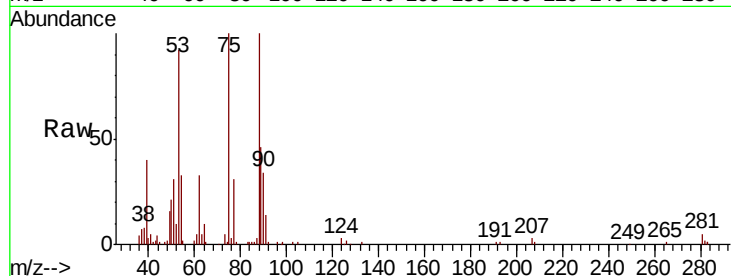
Tot Ion: 75 Resp: 54212

Ion Ratio Lower Upper

75 100

53 93.6 72.2 108.2

89 45.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.810 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059103.D

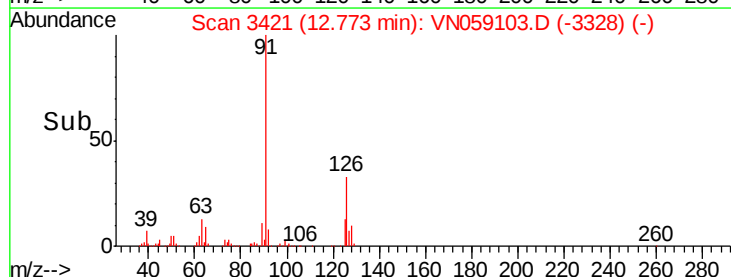
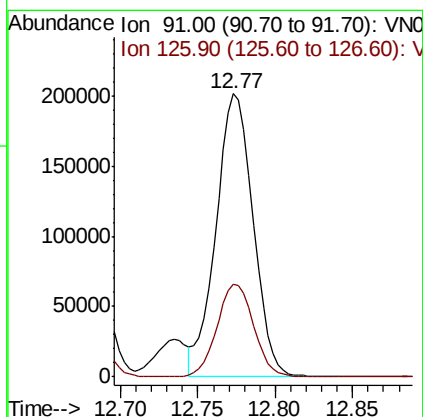
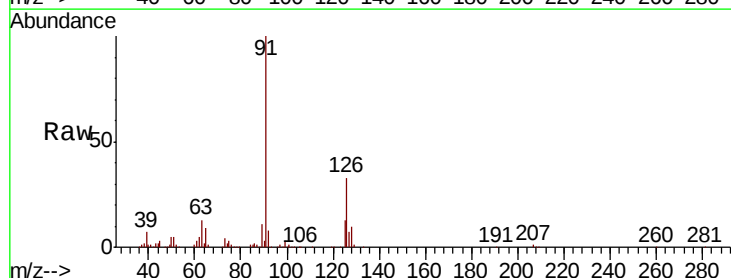
Acq: 6 Nov 2019 13:34

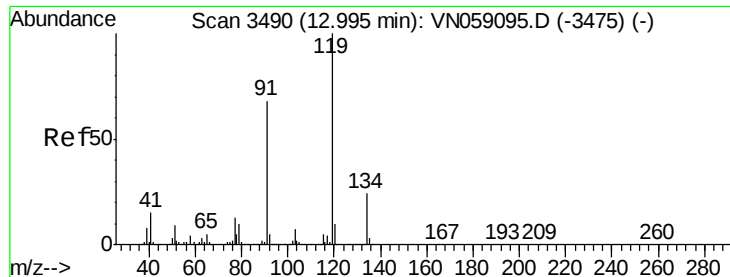
Tgt Ion: 91 Resp: 333771

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.2

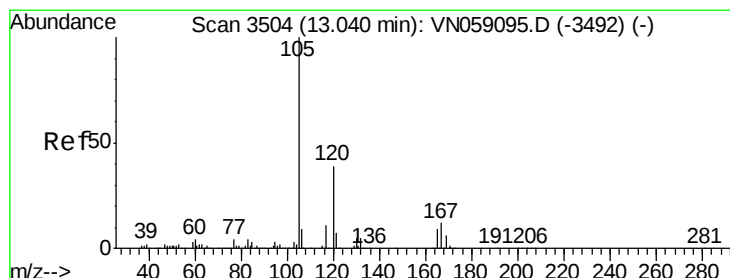
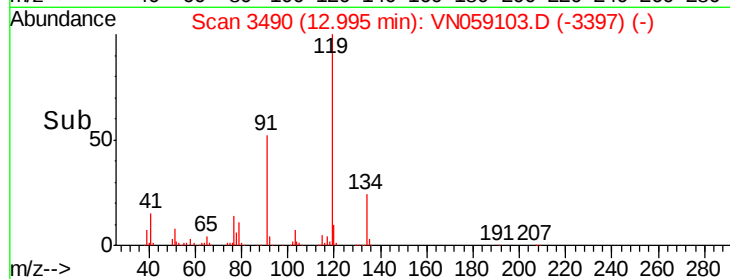
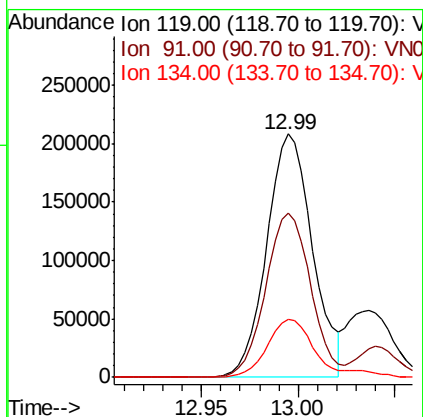
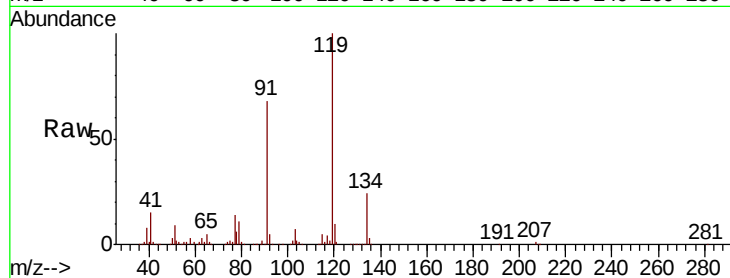




#83
tert-Butylbenzene
Concen: 20.829 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

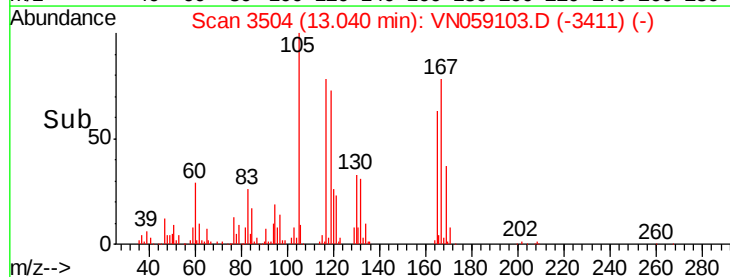
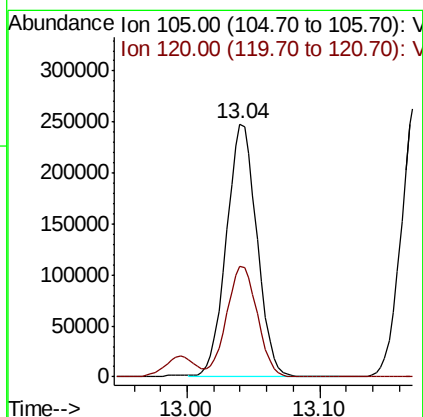
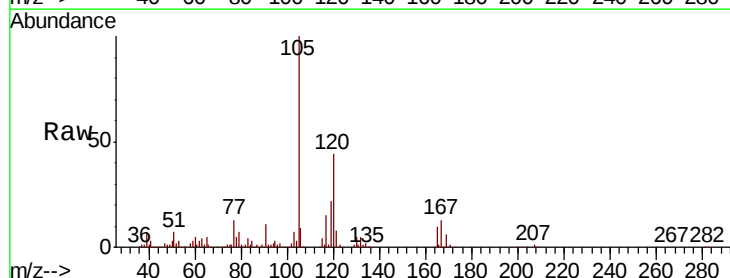
Instrument :
MSVOA_N
ClientSampled :

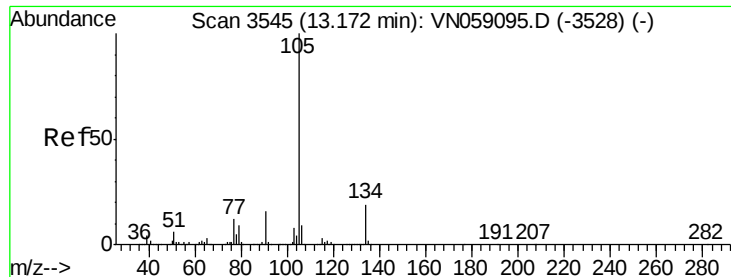
Tot Ion:119 Resp: 343144
Ion Ratio Lower Upper
119 100
91 66.6 33.2 99.6
134 25.5 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 21.436 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion:105 Resp: 395647
Ion Ratio Lower Upper
105 100
120 44.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.940 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

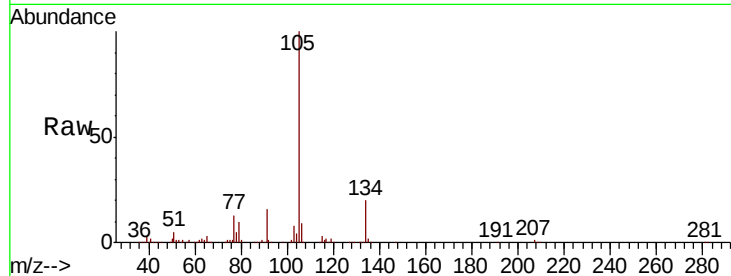
ClientSampleId :

Tot Ion:105 Resp: 448654

Ion Ratio Lower Upper

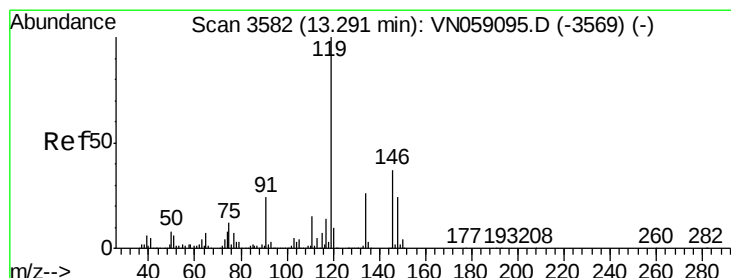
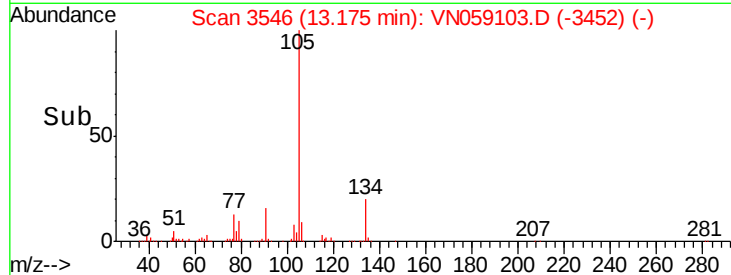
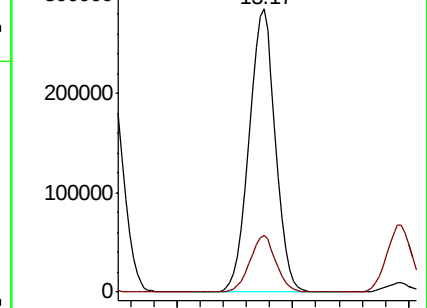
105 100

134 19.8 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.368 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

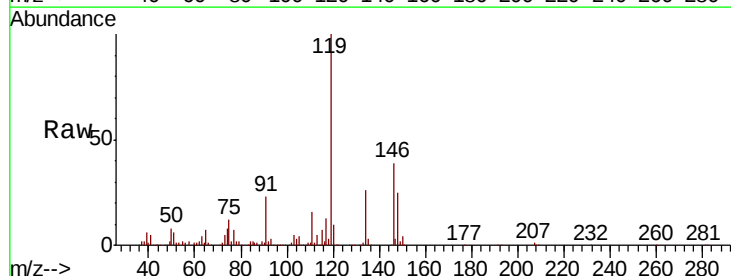
Tgt Ion:119 Resp: 404246

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

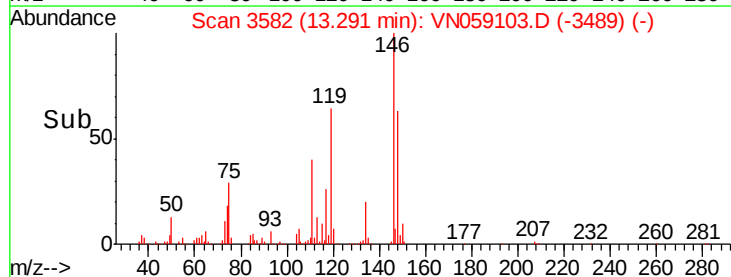
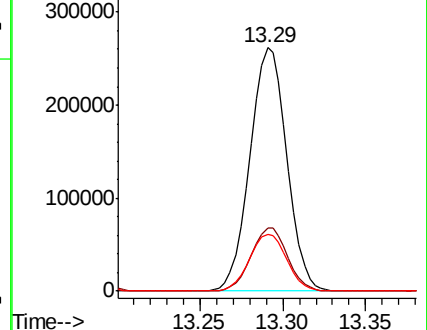
91 23.6 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.585 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059103.D

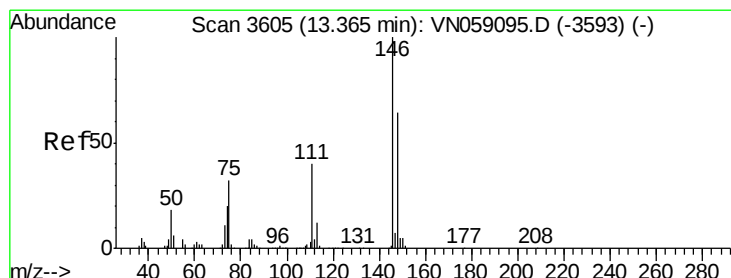
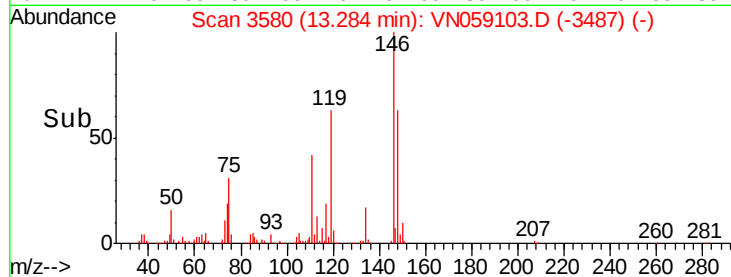
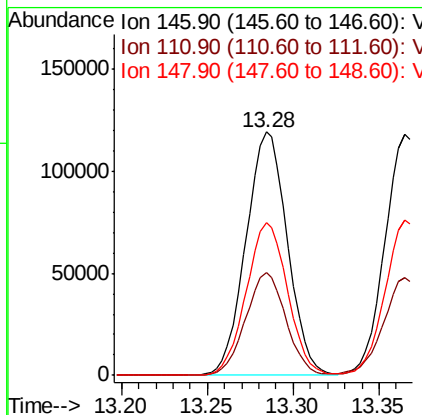
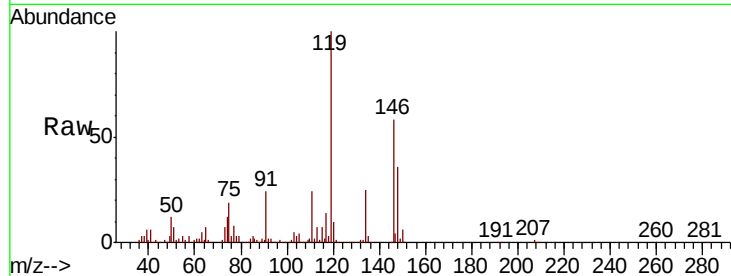
Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	199392
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	62.5	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 20.219 ug/l

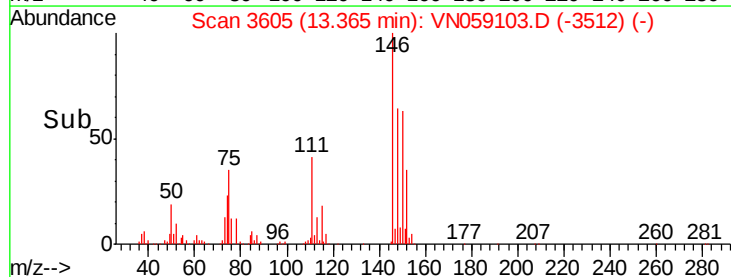
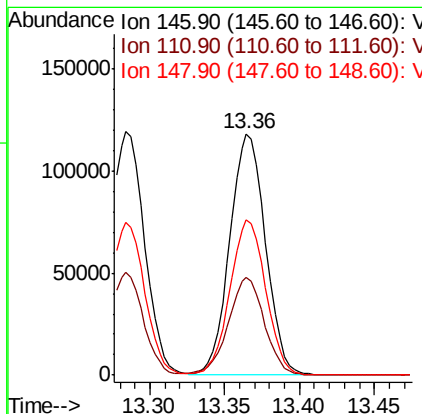
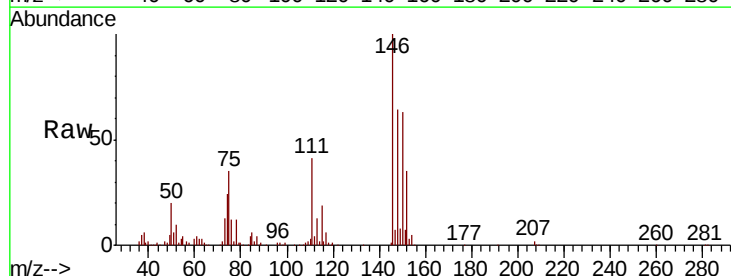
RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Tgt Ion:	146	Resp:	195948
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.9
148	64.9	31.9	95.7

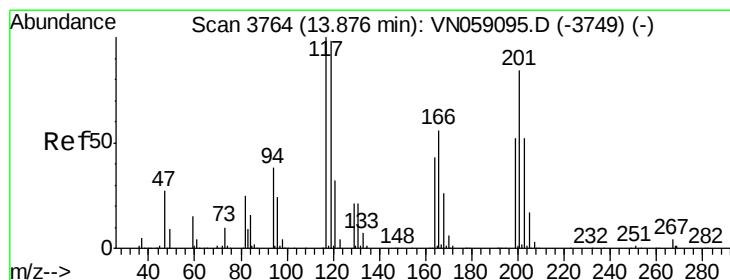
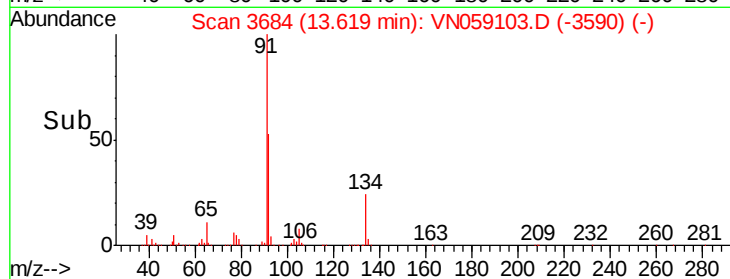
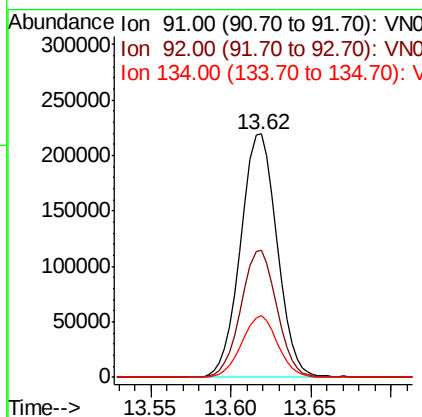
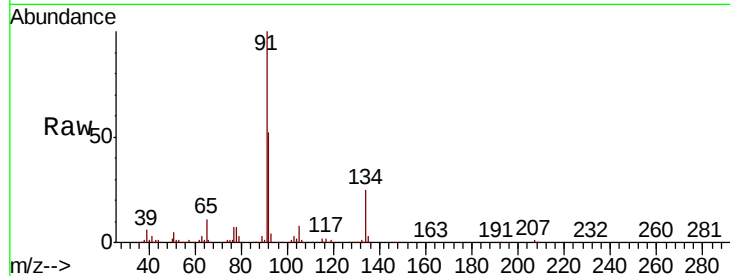




#89
n-Butylbenzene
Concen: 20.607 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

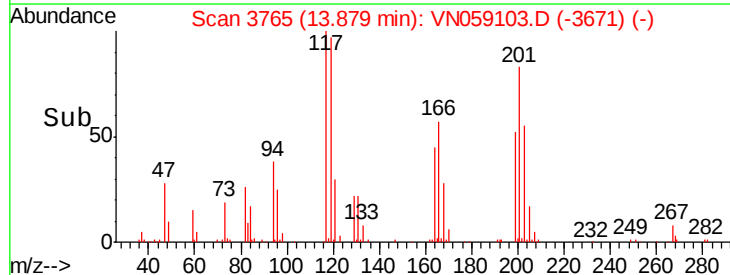
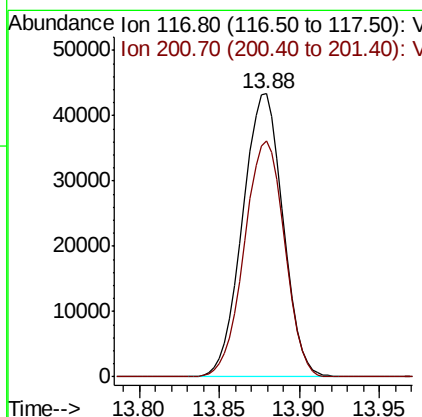
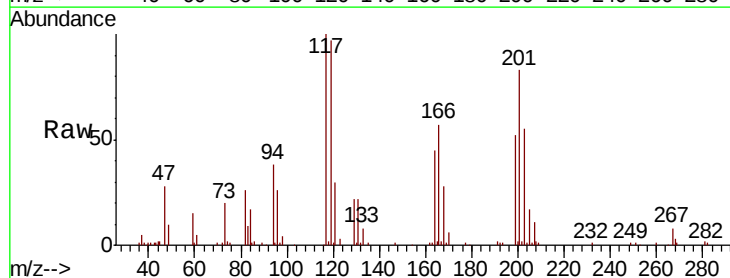
Instrument :
MSVOA_N
ClientSampled :

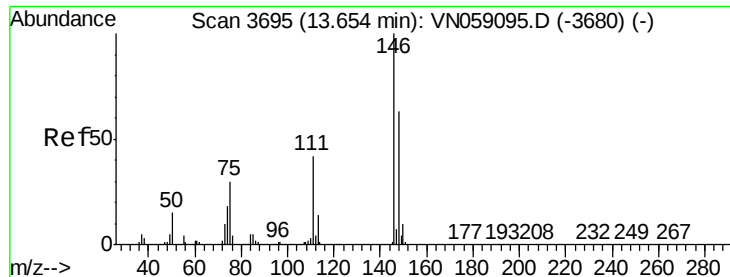
Tot Ion: 91 Resp: 341215
Ion Ratio Lower Upper
91 100
92 51.4 26.1 78.3
134 24.9 12.6 37.8



#90
Hexachloroethane
Concen: 19.729 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion: 117 Resp: 74947
Ion Ratio Lower Upper
117 100
201 82.8 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 20.948 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

Instrument :

MSVOA_N

ClientSampleId :

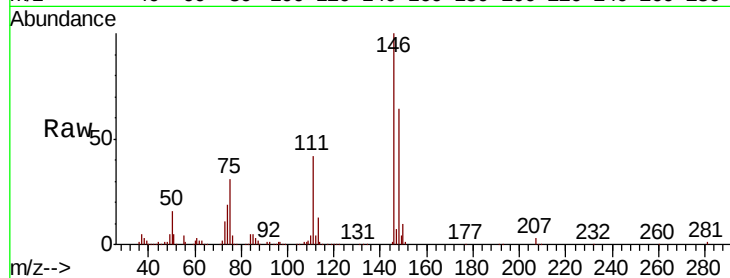
Tot Ion:146 Resp: 199604

Ion Ratio Lower Upper

146 100

111 41.6 21.2 63.6

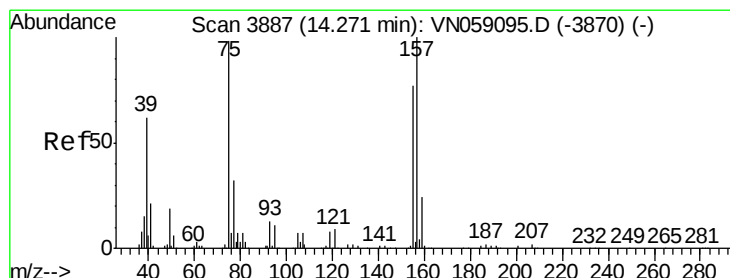
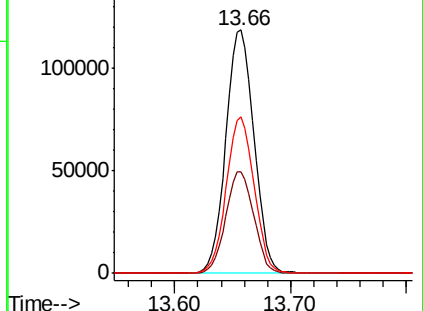
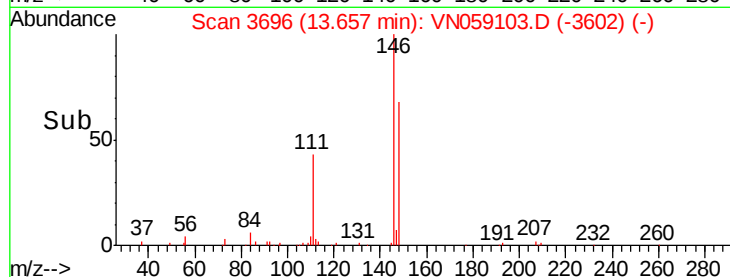
148 63.5 31.6 94.7



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: 21.308 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059103.D

Acq: 6 Nov 2019 13:34

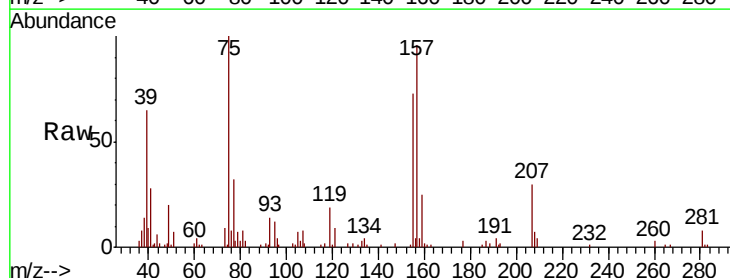
Tgt Ion: 75 Resp: 32571

Ion Ratio Lower Upper

75 100

155 76.2 40.2 120.6

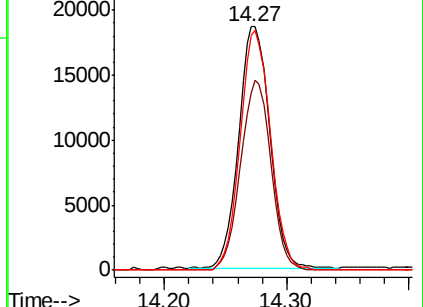
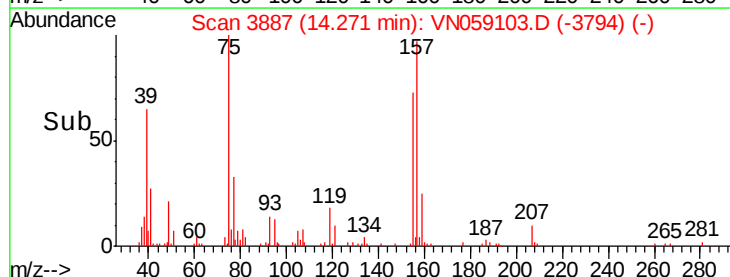
157 96.7 51.8 155.5

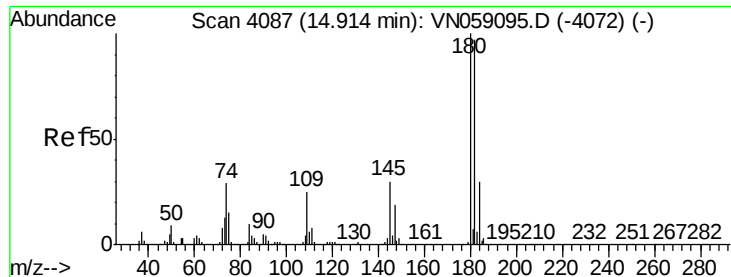


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

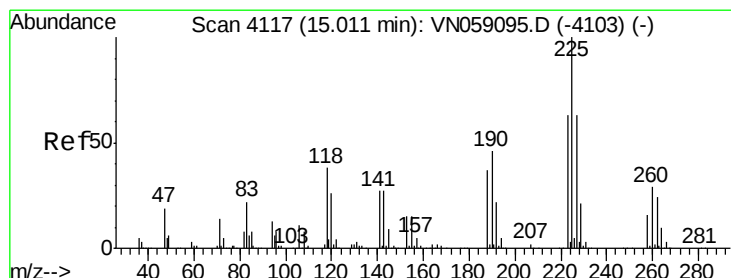
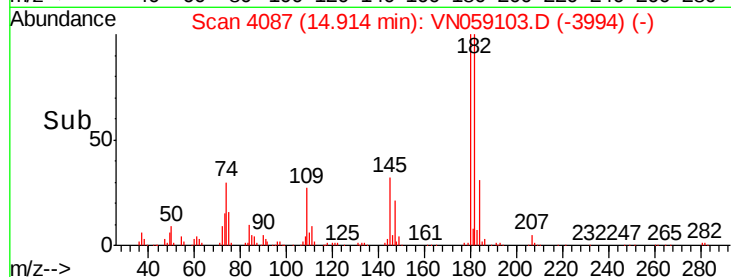
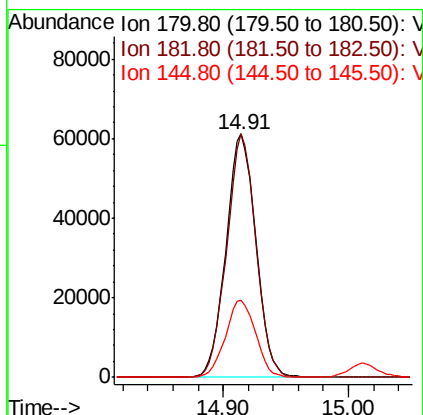
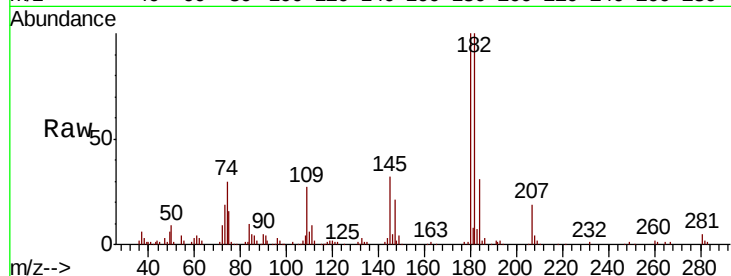




#93
 1,2,4-Trichlorobenzene
 Concen: 19.464 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

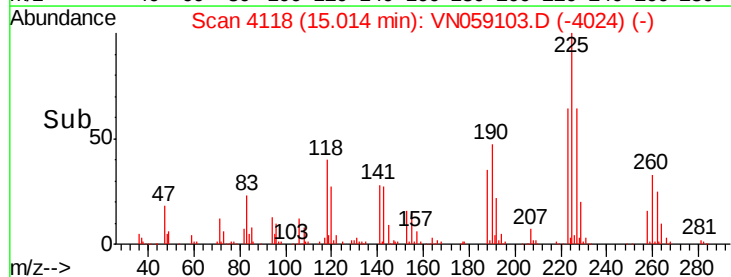
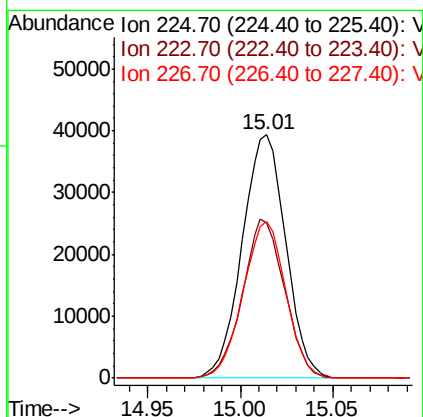
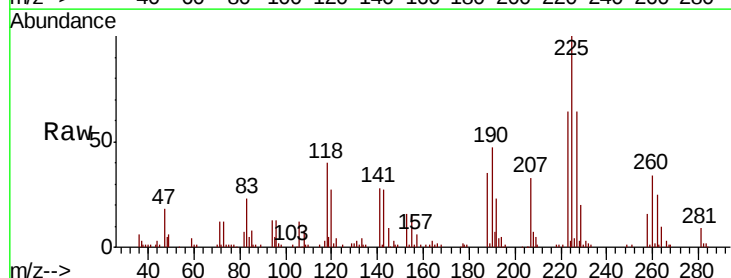
Instrument :
 MSVOA_N
 ClientSampleId :

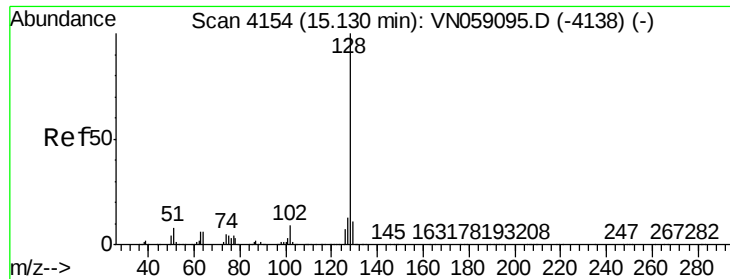
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.1	144.3
145	31.9	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 19.548 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059103.D
 Acq: 6 Nov 2019 13:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.3	93.9
227	62.8	31.5	94.5

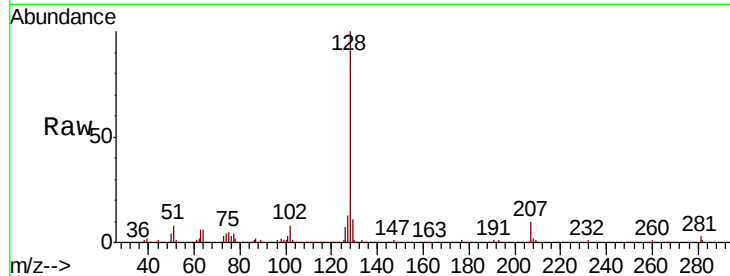




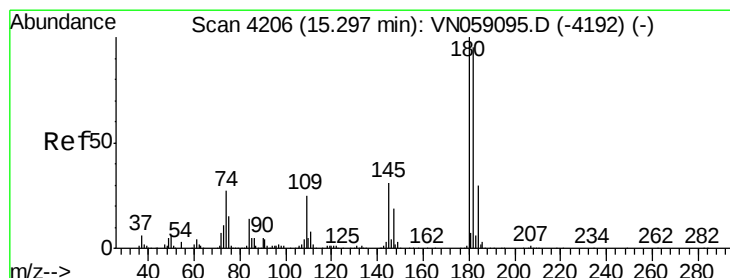
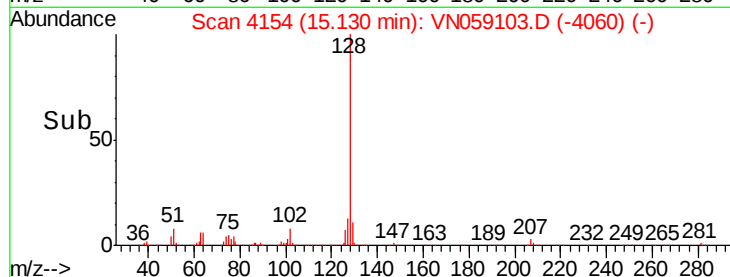
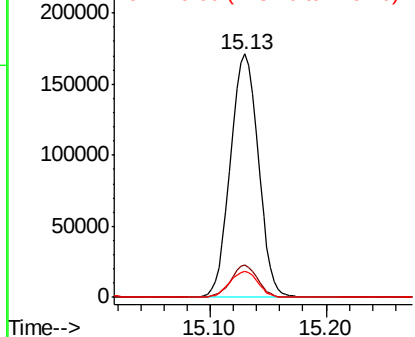
#95
Naphthalene
Concen: 19.780 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 285809
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.6 12.8

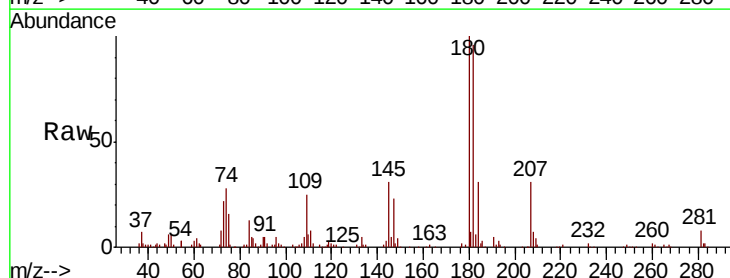


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.112 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059103.D
Acq: 6 Nov 2019 13:34

Tgt Ion:180 Resp: 107398
Ion Ratio Lower Upper
180 100
182 95.0 47.3 141.8
145 31.6 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

