

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059295.D
 Acq On : 18 Nov 2019 19:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:52:50 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	388748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	622796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	561587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	217897	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
35) Dibromofluoromethane	7.57	113	181012	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	10.08	98	674978	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
62) 4-Bromofluorobenzene	12.40	95	260107	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	172943	44.154	ug/l	98
3) Chloromethane	2.04	50	234283	44.003	ug/l	100
4) Vinyl Chloride	2.17	62	243472	47.167	ug/l	100
5) Bromomethane	2.53	94	124383	41.873	ug/l	97
6) Chloroethane	2.68	64	149491	48.956	ug/l	98
7) Trichlorofluoromethane	2.99	101	313586	50.789	ug/l	99
8) Diethyl Ether	3.39	74	141543	56.419	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	192464	51.700	ug/l	99
10) Methyl Iodide	3.93	142	230313	49.981	ug/l	99
11) Tert butyl alcohol	4.75	59	287133	315.281	ug/l	98
12) 1,1-Dichloroethene	3.71	96	191683	52.857	ug/l	97
13) Acrolein	3.58	56	102693	218.706	ug/l	98
14) Allyl chloride	4.29	41	380301	51.053	ug/l	98
15) Acrylonitrile	4.95	53	672993	296.935	ug/l	100
16) Acetone	3.79	43	549131	220.976	ug/l	96
17) Carbon Disulfide	4.03	76	491720	43.680	ug/l	99
18) Methyl Acetate	4.29	43	345202	58.524	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	738820	59.175	ug/l	99
20) Methylene Chloride	4.52	84	234400	54.143	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	206604	53.076	ug/l	96
22) Diisopropyl ether	5.92	45	776101	55.159	ug/l	97
23) Vinyl Acetate	5.87	43	3271942	300.048	ug/l	98
24) 1,1-Dichloroethane	5.82	63	429136	54.607	ug/l	98
25) 2-Butanone	6.81	43	902360	275.520	ug/l	99
26) 2,2-Dichloropropane	6.80	77	347157	50.520	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	253002	56.023	ug/l	96
28) Bromochloromethane	7.17	49	112315	47.504	ug/l	95
29) Tetrahydrofuran	7.19	42	593586	285.240	ug/l	96
30) Chloroform	7.35	83	421215	55.875	ug/l	100
31) Cyclohexane	7.63	56	349314	46.953	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	351901	55.522	ug/l	99
36) 1,1-Dichloropropene	7.77	75	302404	51.948	ug/l	99
37) Ethyl Acetate	6.91	43	363887	56.190	ug/l	99
38) Carbon Tetrachloride	7.75	117	303680	52.412	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	345436	51.129	ug/l	98
40) Benzene	8.02	78	943654	53.831	ug/l	100
41) Methacrylonitrile	7.18	41	518941	184.279	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	320840	53.364	ug/l	99
43) Isopropyl Acetate	8.15	43	579036	56.084	ug/l	98
44) Trichloroethene	8.82	130	230989	53.604	ug/l	98
45) 1,2-Dichloropropane	9.10	63	261252	54.868	ug/l	100
46) Dibromomethane	9.19	93	161798	54.531	ug/l	98
47) Bromodichloromethane	9.39	83	332379	56.099	ug/l	97
48) Methyl methacrylate	9.18	41	262646	56.873	ug/l	96
49) 1,4-Dioxane	9.18	88	99130	1207.865	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1811105	310.023	ug/l	98
52) Toluene	10.15	92	582543	55.443	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	376639	55.023	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	412589	56.034	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	238710	56.137	ug/l	99
56) Ethyl methacrylate	10.42	69	392246	55.107	ug/l	95
57) 1,3-Dichloropropane	10.70	76	410943	56.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	703219	297.155	ug/l	99
59) 2-Hexanone	10.74	43	1341250	299.127	ug/l	97
60) Dibromochloromethane	10.90	129	256988	57.161	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243466	56.559	ug/l	98
64) Tetrachloroethene	10.63	164	198013	51.853	ug/l	98
65) Chlorobenzene	11.43	112	614500	56.131	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232907	56.714	ug/l	98
67) Ethyl Benzene	11.51	91	1116013	57.457	ug/l	99
68) m/p-Xylenes	11.62	106	829104	113.954	ug/l	99
69) o-Xylene	11.95	106	406572	57.823	ug/l	97
70) Styrene	11.96	104	673724	60.925	ug/l	99
71) Bromoform	12.13	173	187457	58.684	ug/l #	99
73) Isopropylbenzene	12.25	105	1093532	55.570	ug/l	100
74) N-amyl acetate	12.07	43	484385	58.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	374115	55.826	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	495719	80.486	ug/l #	100
77) Bromobenzene	12.53	156	260946	52.780	ug/l	100
78) n-propylbenzene	12.59	91	1269907	56.361	ug/l	100
79) 2-Chlorotoluene	12.67	91	764269	54.678	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	927563	55.628	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	131182	56.257	ug/l	97
82) 4-Chlorotoluene	12.77	91	771930	55.062	ug/l	99
83) tert-Butylbenzene	12.99	119	812911	56.453	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	925815	57.388	ug/l	99
85) sec-Butylbenzene	13.17	105	1068951	57.079	ug/l	100
86) p-Isopropyltoluene	13.29	119	963332	58.257	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	464756	54.895	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	460853	54.406	ug/l	99
89) n-Butylbenzene	13.62	91	834365	57.650	ug/l	100
90) Hexachloroethane	13.88	117	173873	52.365	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	463356	55.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76877	57.496	ug/l	98

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QLast Update : Thu Nov 07 04:00:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	261220	51.594	ug/l	100
94) Hexachlorobutadiene	15.01	225	155091	54.008	ug/l	99
95) Naphthalene	15.13	128	754483	53.587	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	260869	55.892	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

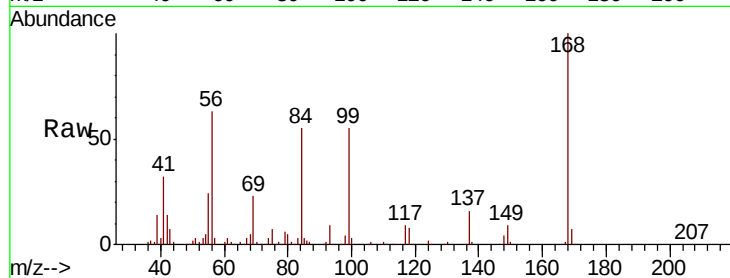
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 388748

Ion Ratio Lower Upper

168 100

99 54.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

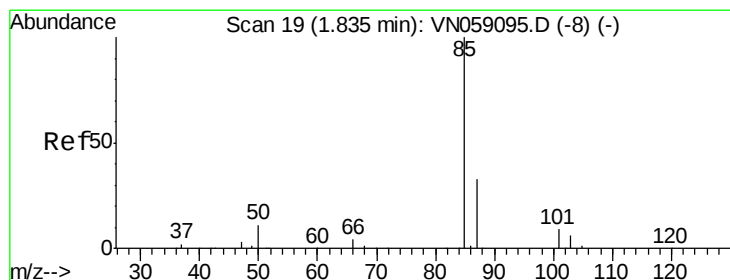
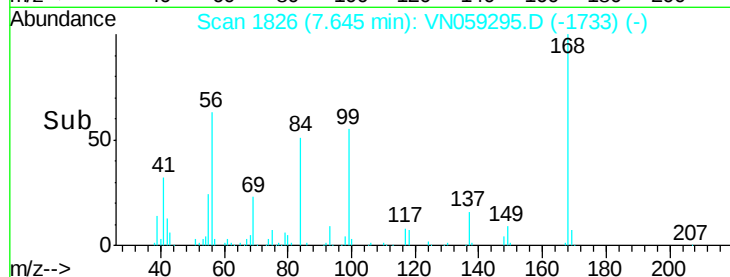
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.154 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059295.D

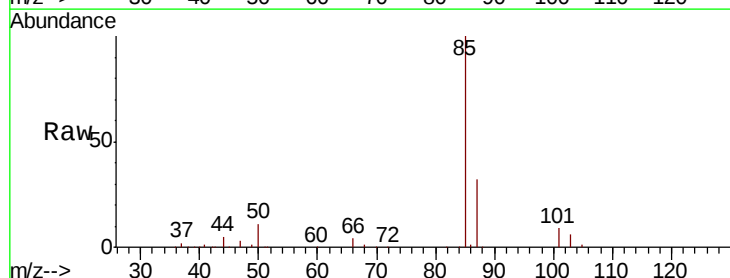
Acq: 18 Nov 2019 19:24

Tgt Ion: 85 Resp: 172943

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

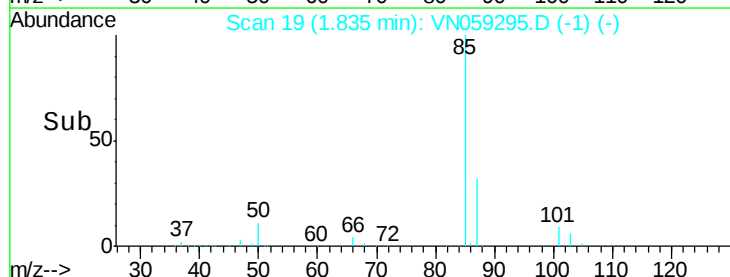
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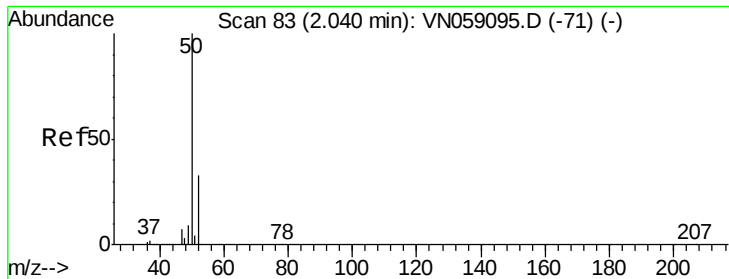
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.003 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

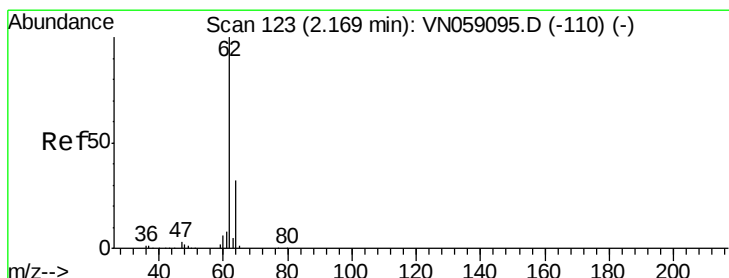
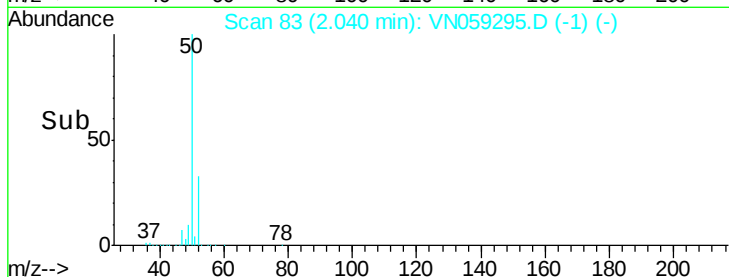
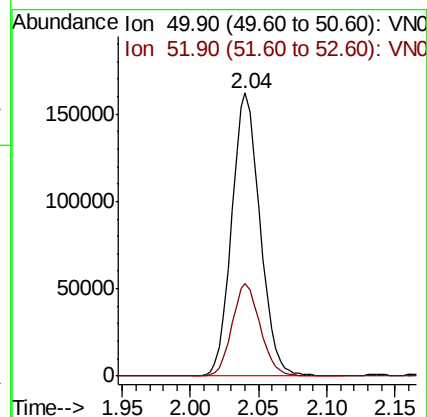
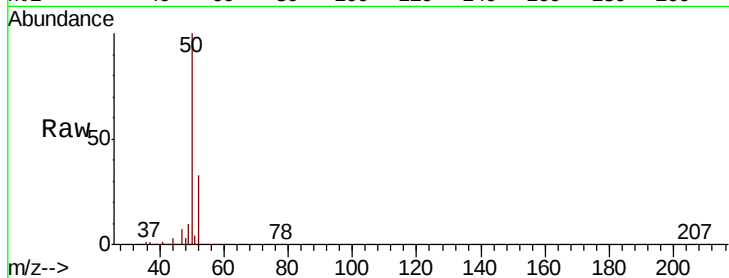
ClientSampleId :

Tot Ion: 50 Resp: 234283

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 47.167 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059295.D

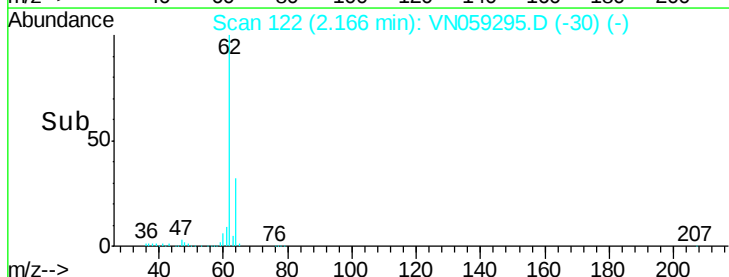
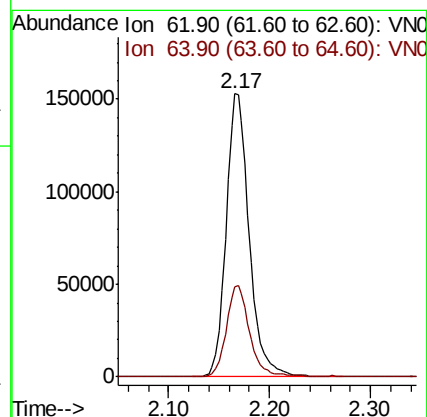
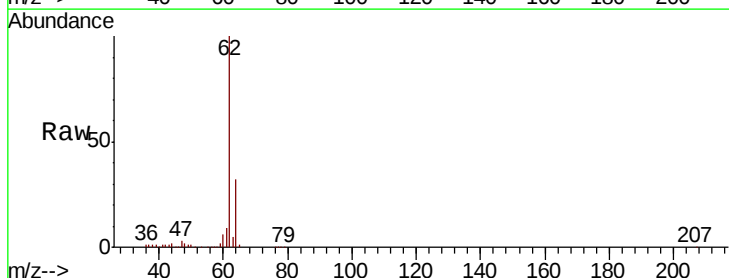
Acq: 18 Nov 2019 19:24

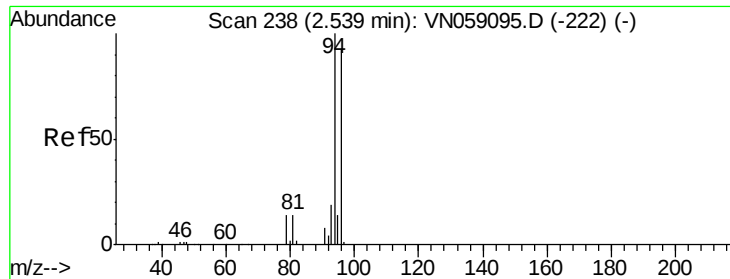
Tgt Ion: 62 Resp: 243472

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 41.873 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

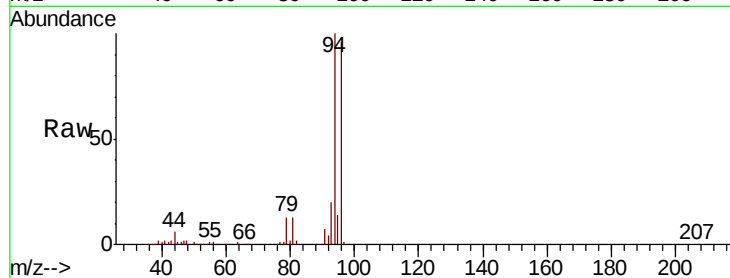
ClientSampled :

Tot Ion: 94 Resp: 124383

Ion Ratio Lower Upper

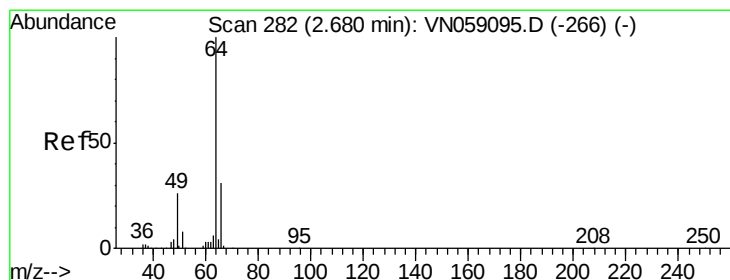
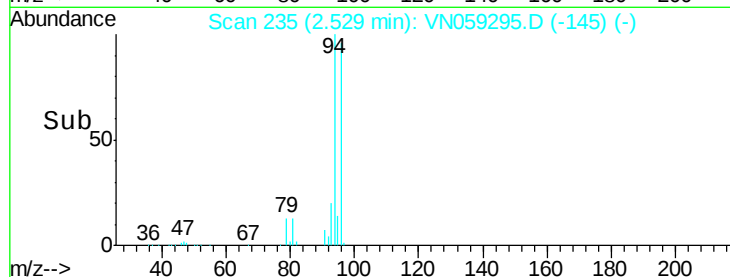
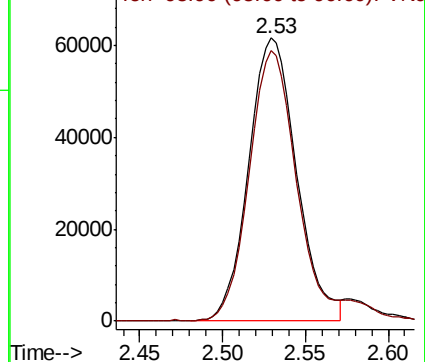
94 100

96 95.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.956 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059295.D

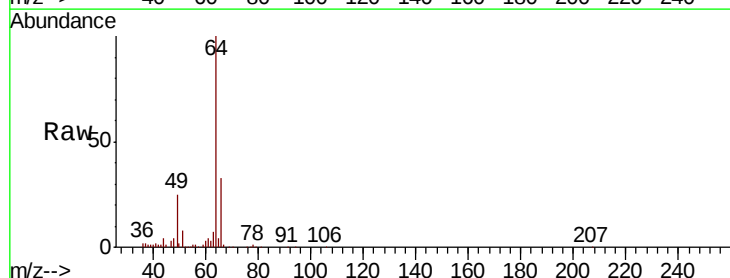
Acq: 18 Nov 2019 19:24

Tgt Ion: 64 Resp: 149491

Ion Ratio Lower Upper

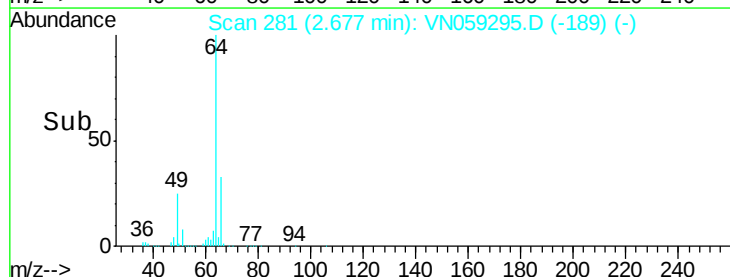
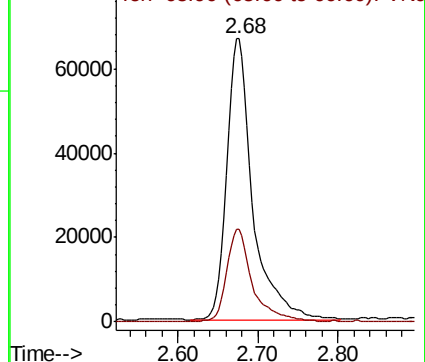
64 100

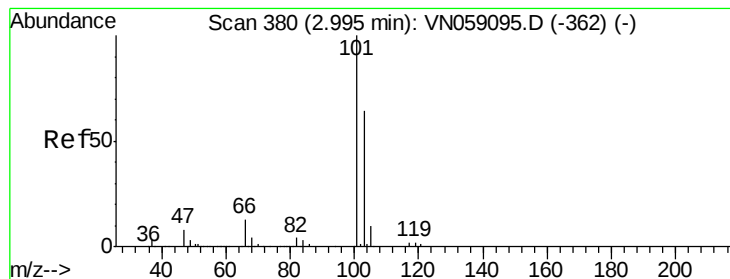
66 32.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



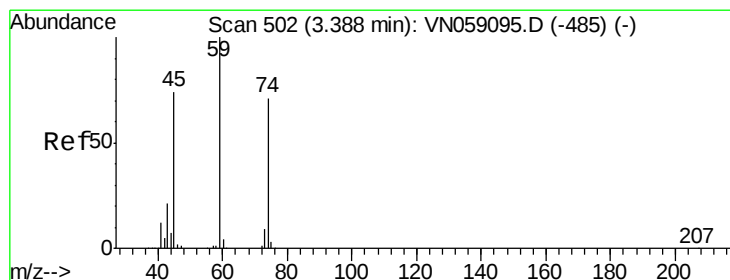
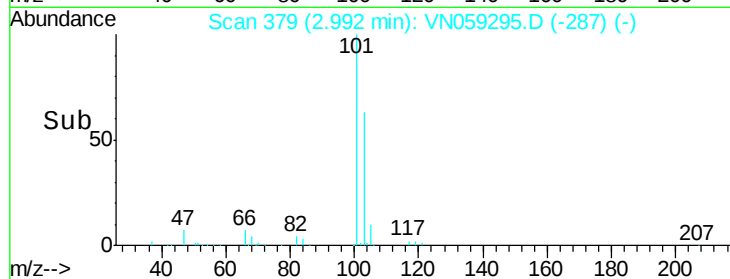
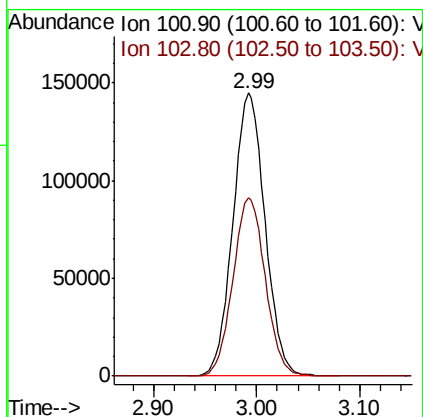
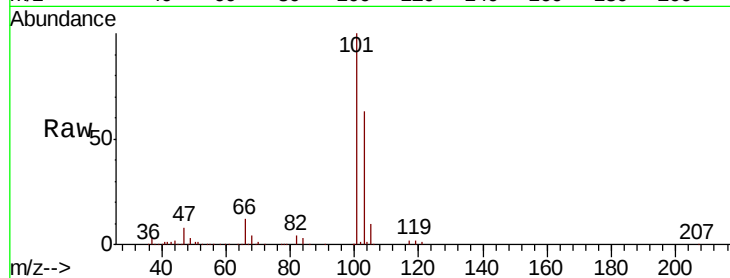


#7

Trichlorofluoromethane
 Concen: 50.789 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Instrument :
 MSVOA_N
 ClientSampled :

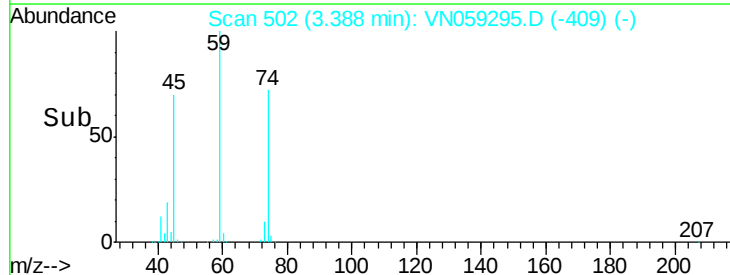
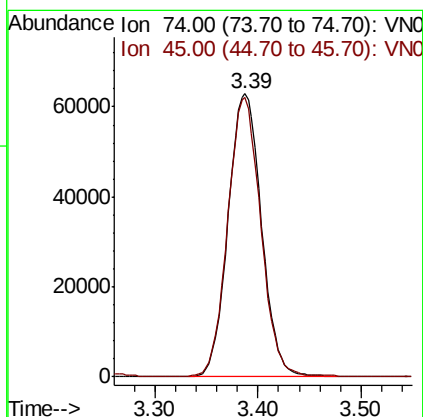
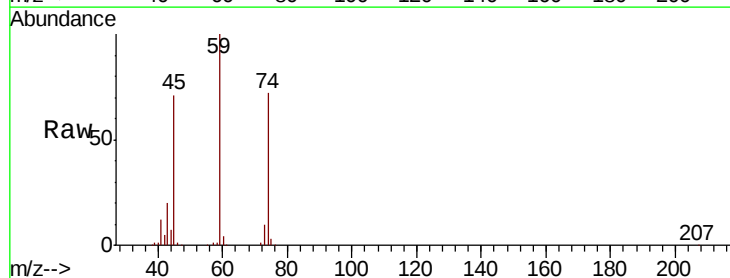
Tot Ion:101 Resp: 313586
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.2 76.8



#8

Diethyl Ether
 Concen: 56.419 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Tgt Ion: 74 Resp: 141543
 Ion Ratio Lower Upper
 74 100
 45 97.1 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.700 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

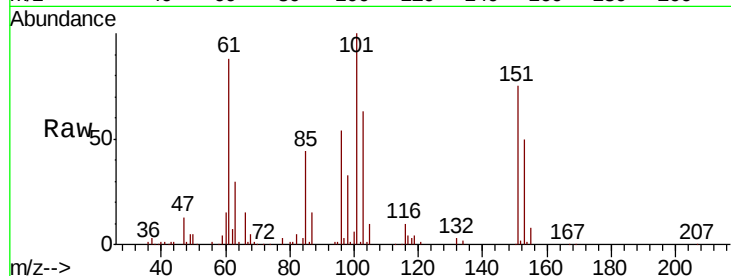
Tot Ion:101 Resp: 192464

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

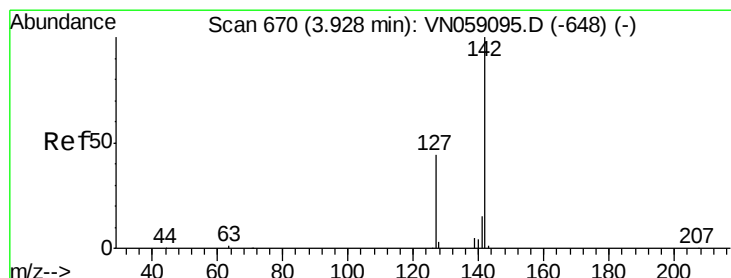
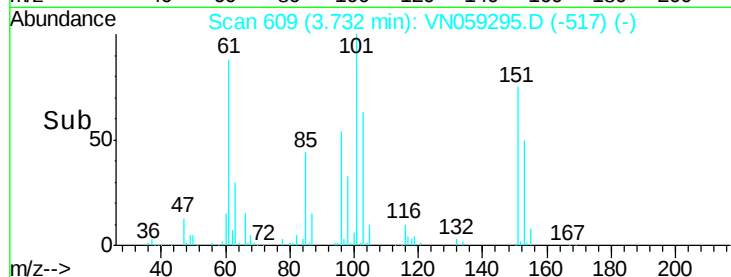
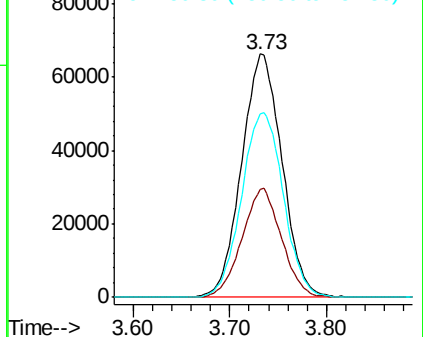
151 78.4 62.2 93.2



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: 49.981 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

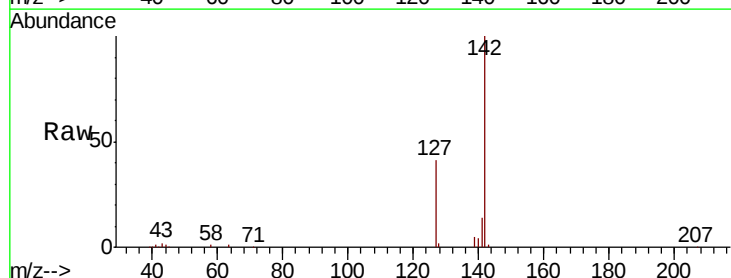
Tgt Ion:142 Resp: 230313

Ion Ratio Lower Upper

142 100

127 41.7 34.2 51.2

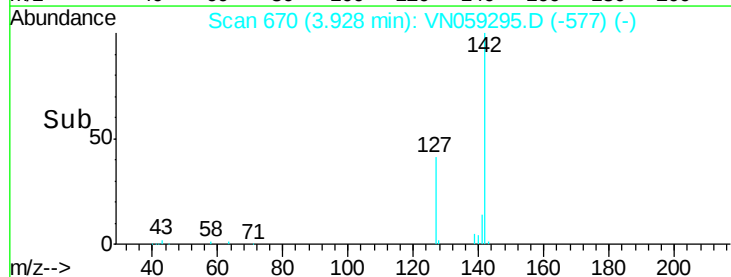
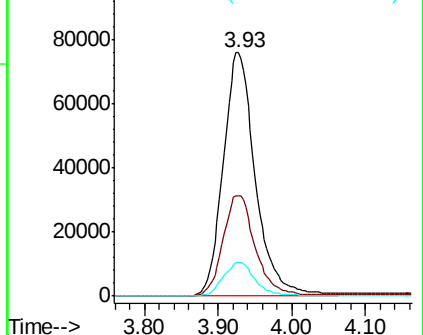
141 13.8 11.4 17.0

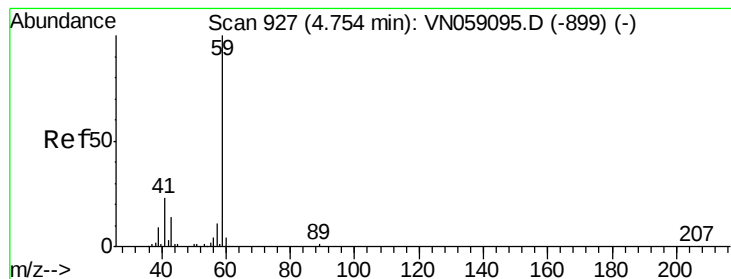


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



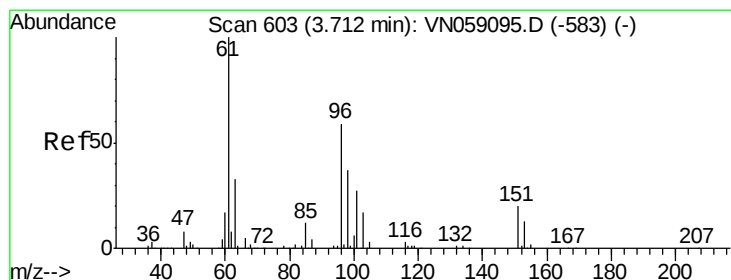
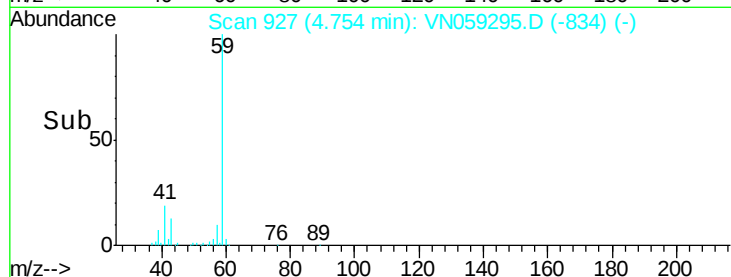
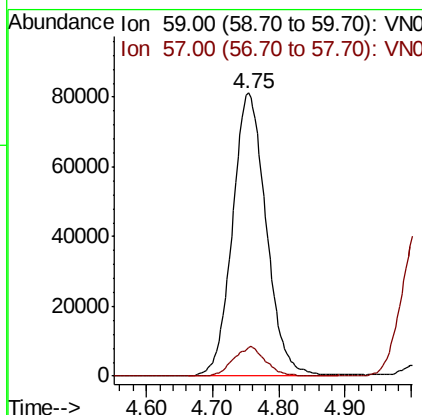
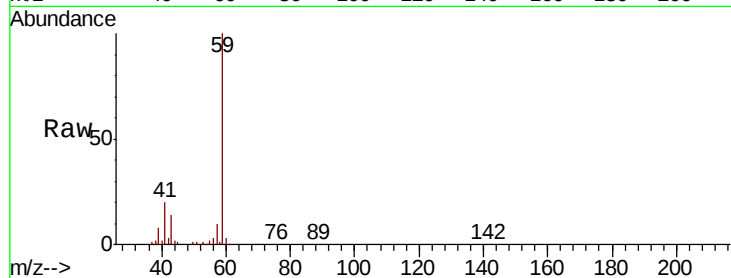


#11

Tert butyl alcohol
 Concen: 315.281 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Instrument :
 MSVOA_N
 ClientSampled :

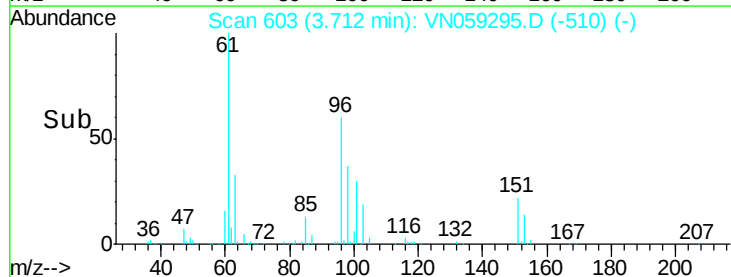
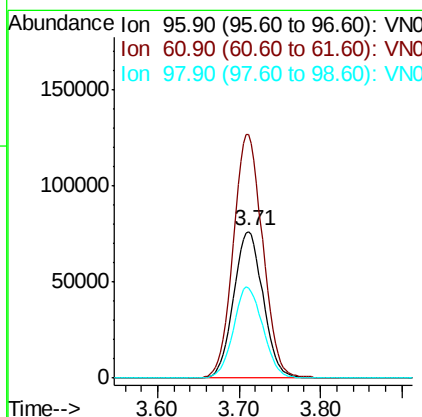
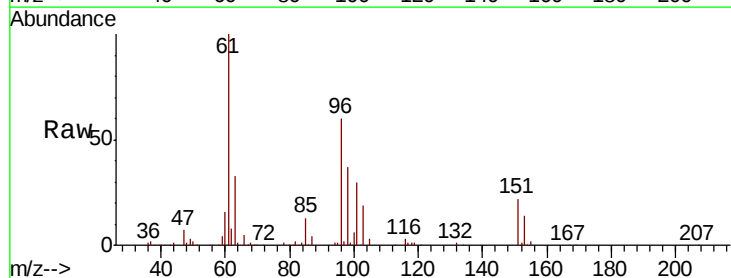
Tot Ion: 59 Resp: 287133
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.3 12.5

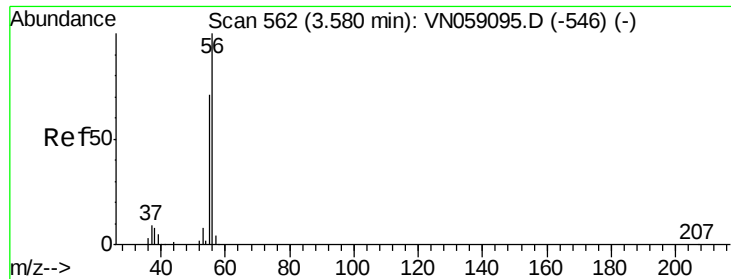


#12

1,1-Dichloroethene
 Concen: 52.857 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Tgt Ion: 96 Resp: 191683
 Ion Ratio Lower Upper
 96 100
 61 165.7 136.5 204.7
 98 61.7 50.2 75.4

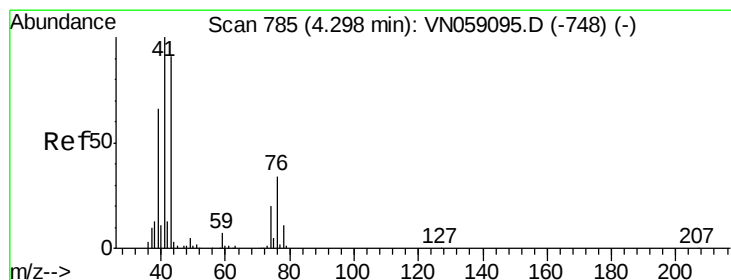
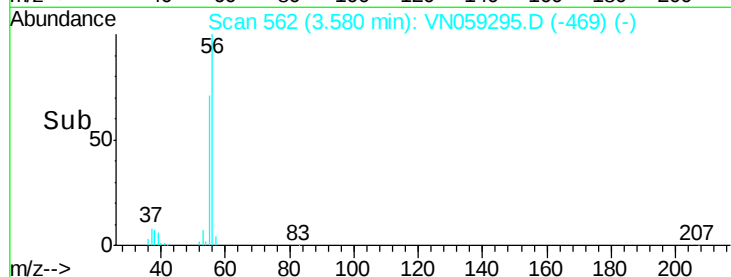
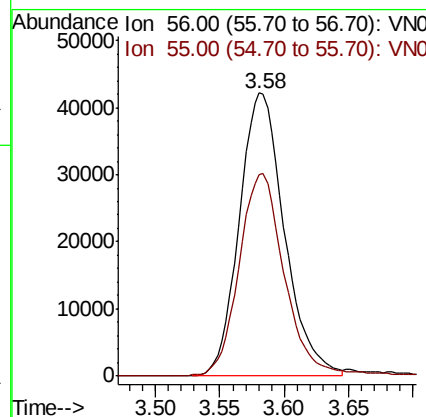
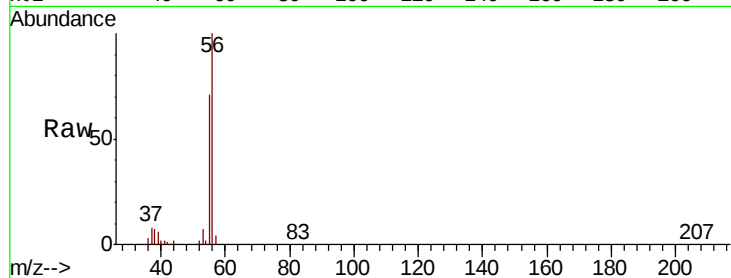




#13
Acrolein
Concen: 218.706 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

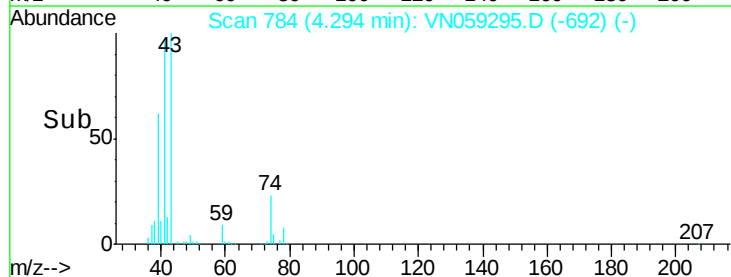
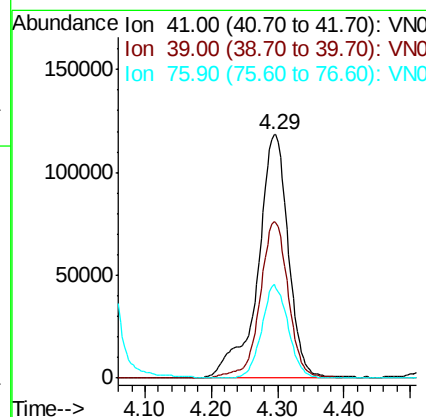
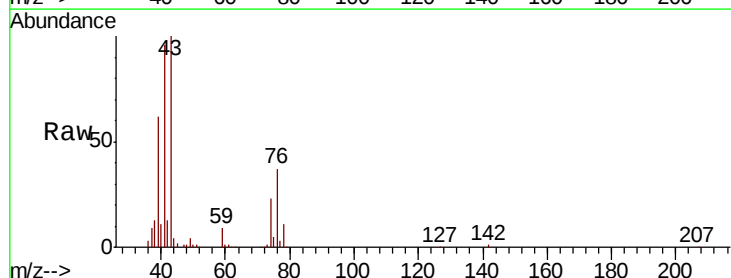
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 102693
Ion Ratio Lower Upper
56 100
55 72.4 56.4 84.6



#14
Allyl chloride
Concen: 51.053 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion: 41 Resp: 380301
Ion Ratio Lower Upper
41 100
39 59.7 49.1 73.7
76 32.6 24.9 37.3





#15

Acrylonitrile

Concen: 296.935 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

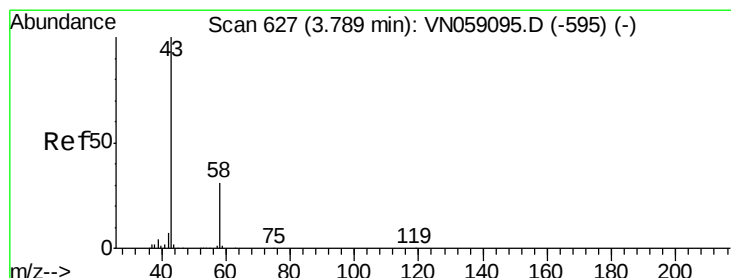
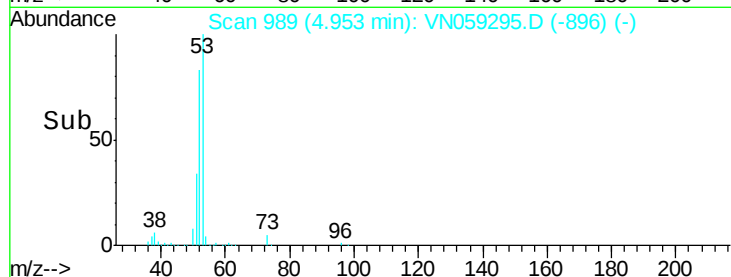
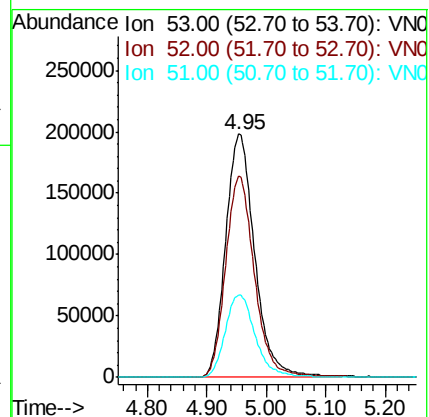
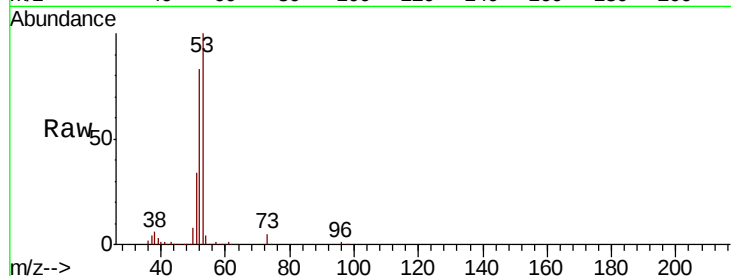
Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 672993

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.0	97.6
51	35.2	28.0	42.0



#16

Acetone

Concen: 220.976 ug/l

RT: 3.79 min Scan# 627

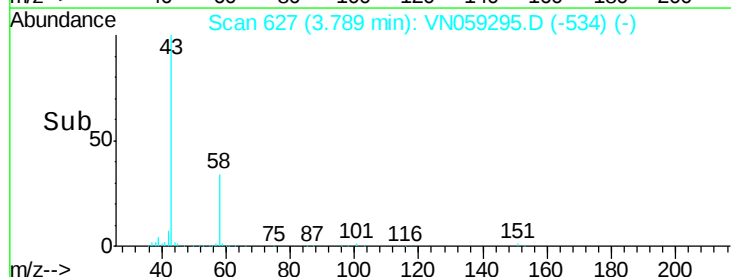
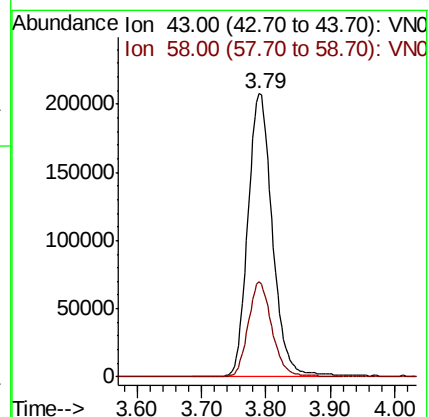
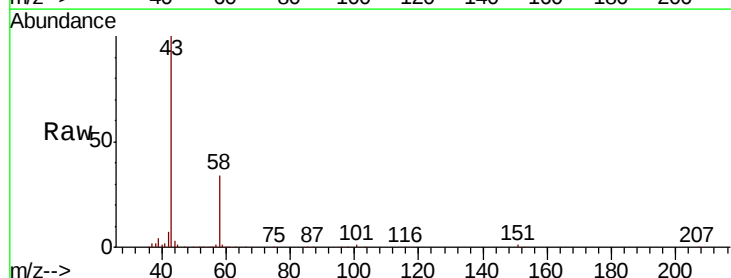
Delta R.T. -0.00 min

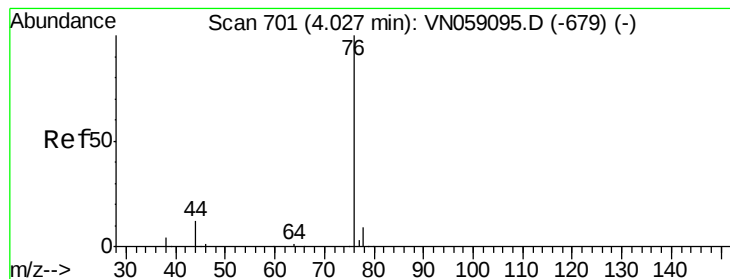
Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Tgt Ion: 43 Resp: 549131

Ion	Ratio	Lower	Upper
43	100		
58	33.4	24.9	37.3





#17

Carbon Disulfide

Concen: 43.680 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

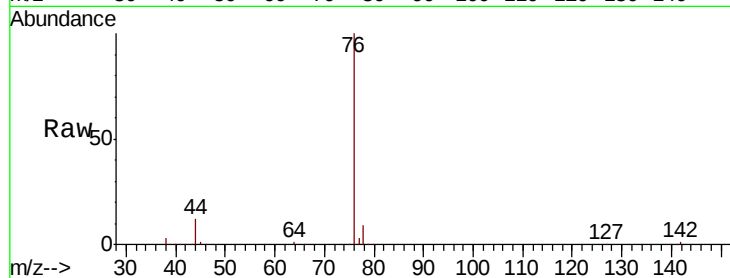
ClientSampleId :

Tot Ion: 76 Resp: 491720

Ion Ratio Lower Upper

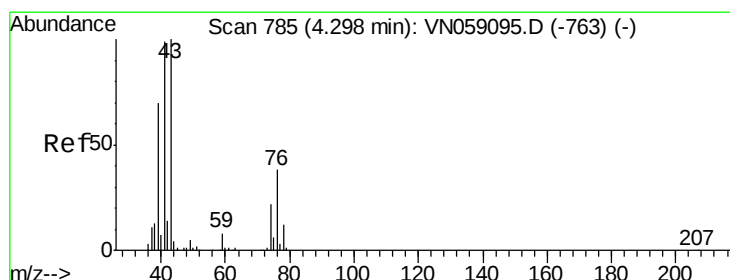
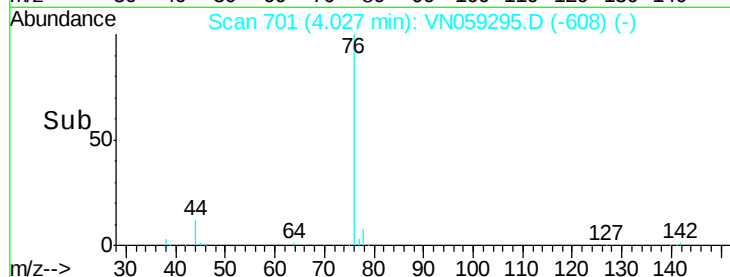
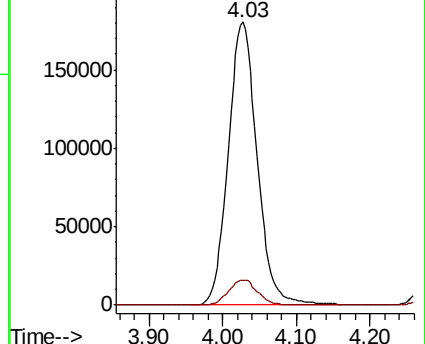
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 58.524 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059295.D

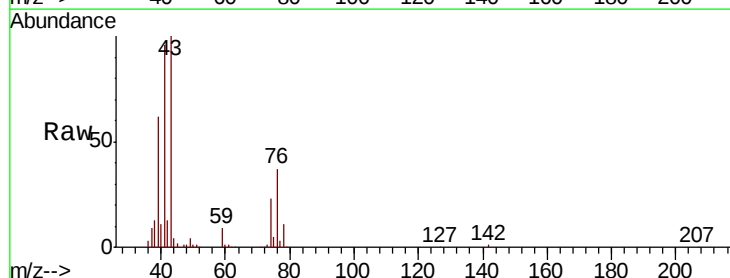
Acq: 18 Nov 2019 19:24

Tgt Ion: 43 Resp: 345202

Ion Ratio Lower Upper

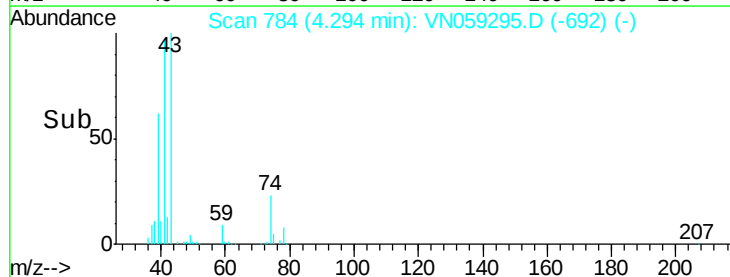
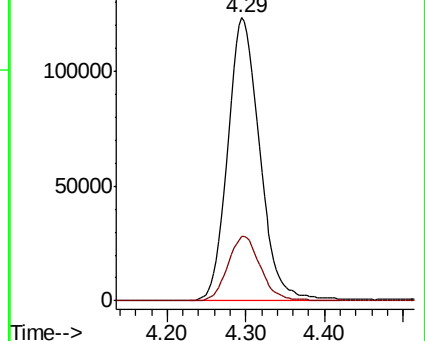
43 100

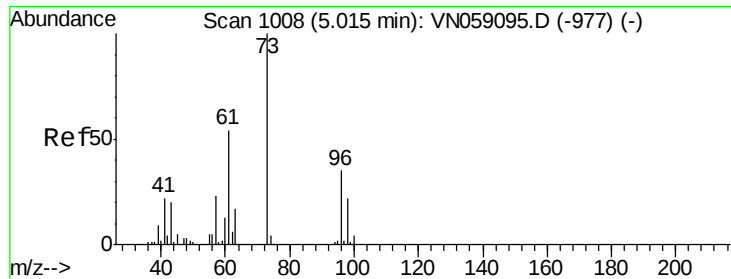
74 23.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

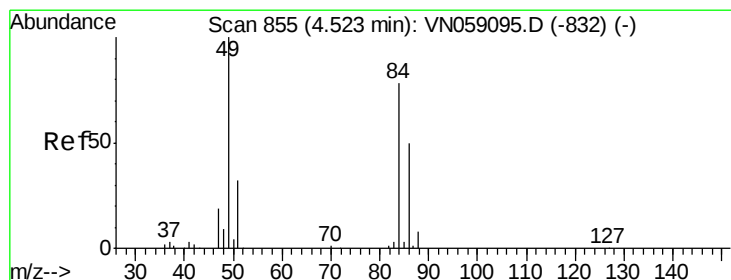
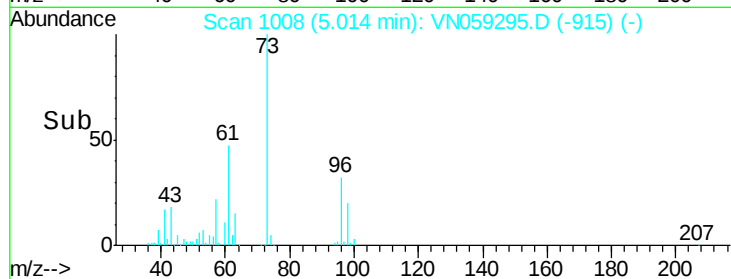
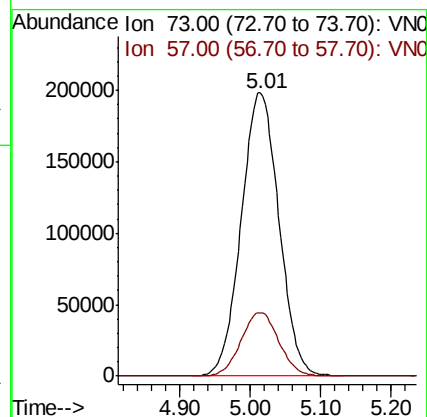
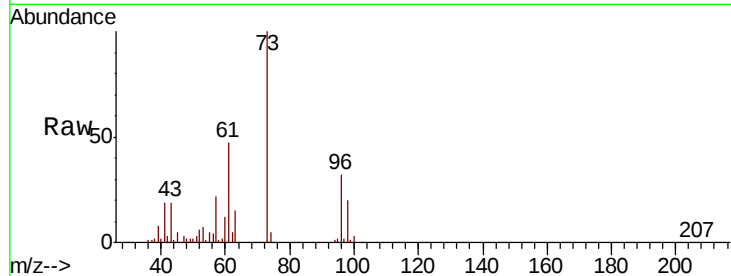




#19
Methvl tert-butvl Ether
Concen: 59.175 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

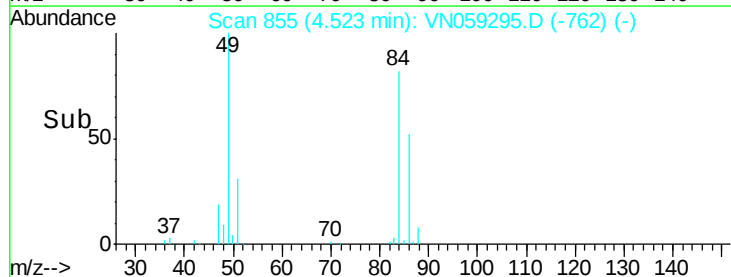
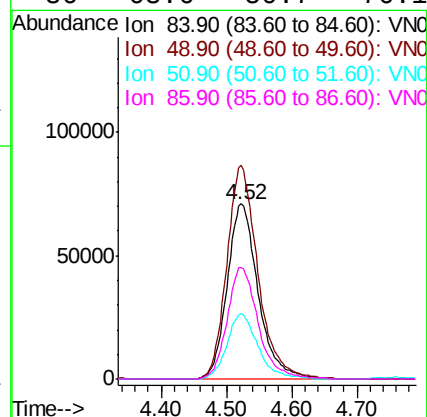
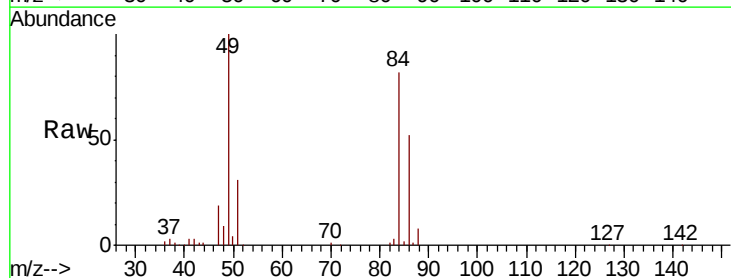
Instrument :
MSVOA_N
ClientSampleId :

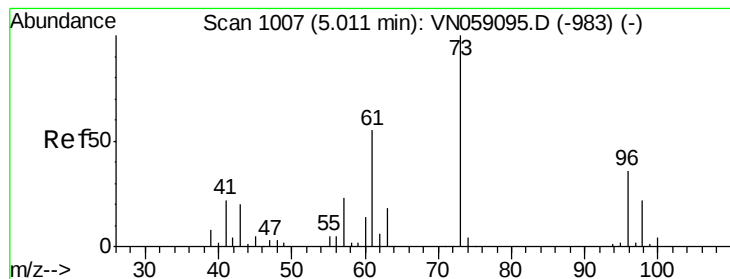
Tot Ion: 73 Resp: 738820
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6



#20
Methylene Chloride
Concen: 54.143 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion: 84 Resp: 234400
Ion Ratio Lower Upper
84 100
49 121.8 102.0 153.0
51 37.2 32.2 48.2
86 63.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 53.076 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :
MSVOA_N
ClientSampled :

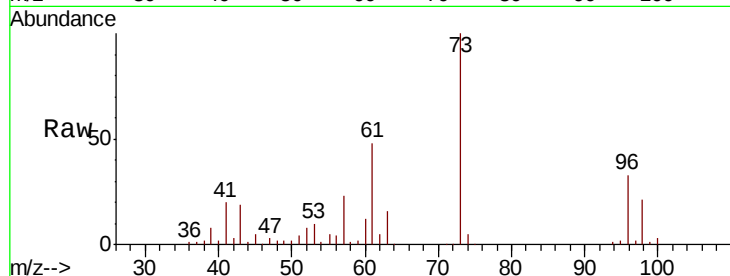
Tot Ion: 96 Resp: 206604

Ion Ratio Lower Upper

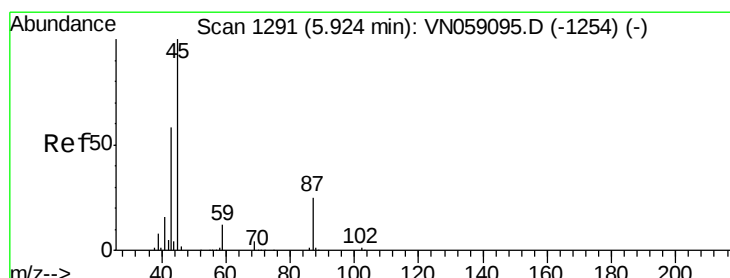
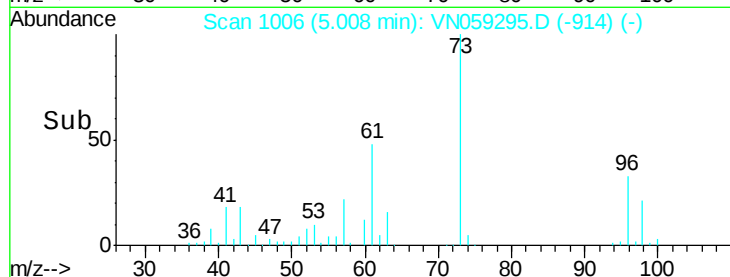
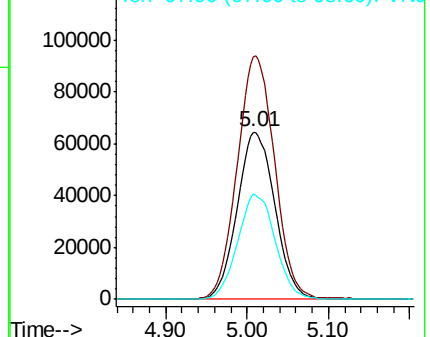
96 100

61 145.1 122.6 183.8

98 62.9 50.3 75.5



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



#22

Diisopropyl ether

Concen: 55.159 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Tgt Ion: 45 Resp: 776101

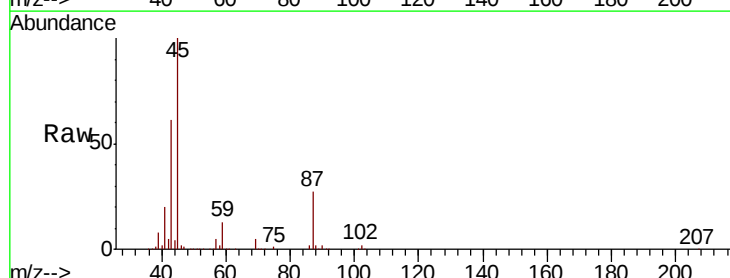
Ion Ratio Lower Upper

45 100

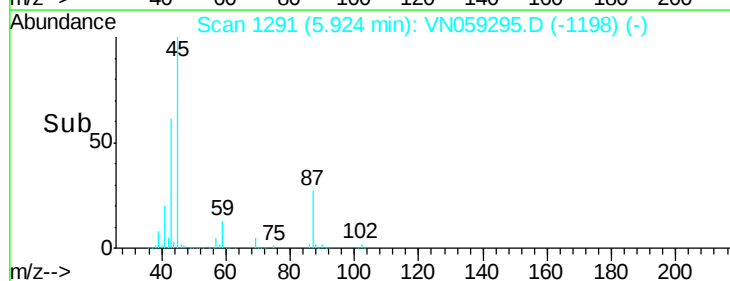
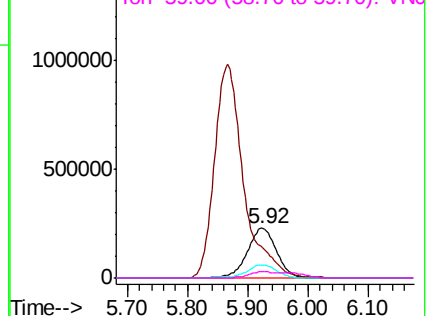
43 60.2 46.7 70.1

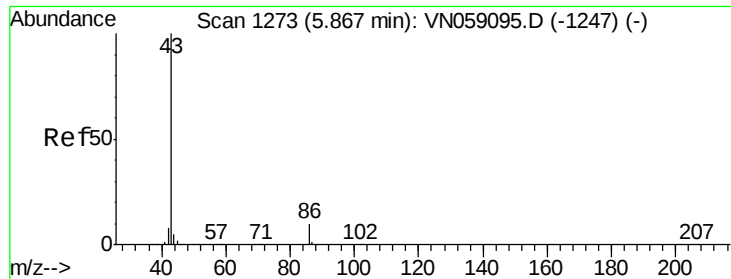
87 27.2 20.5 30.7

59 12.6 9.6 14.4



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

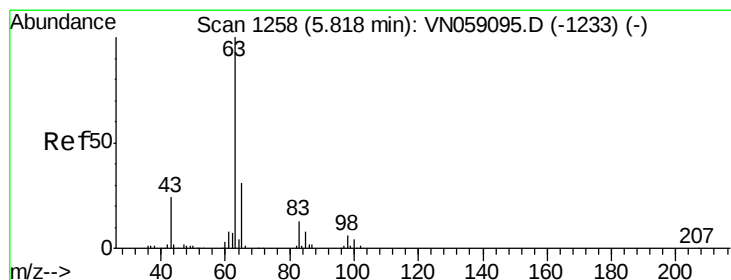
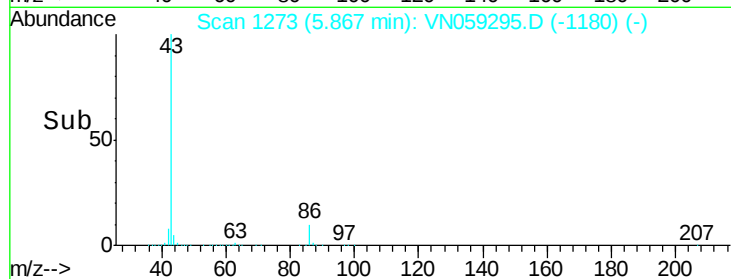
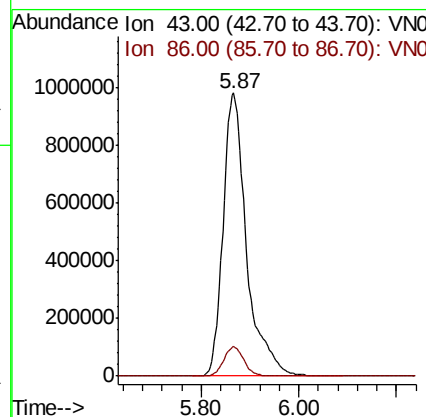
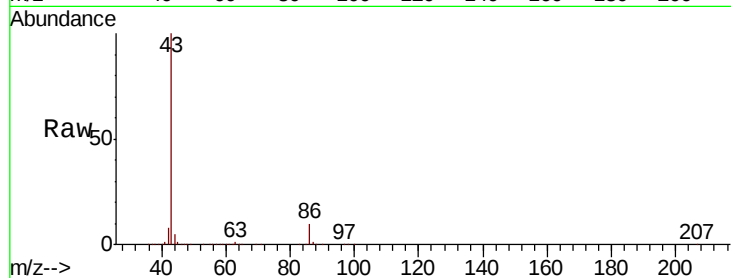




#23
 Vinyl Acetate
 Concen: 300.048 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

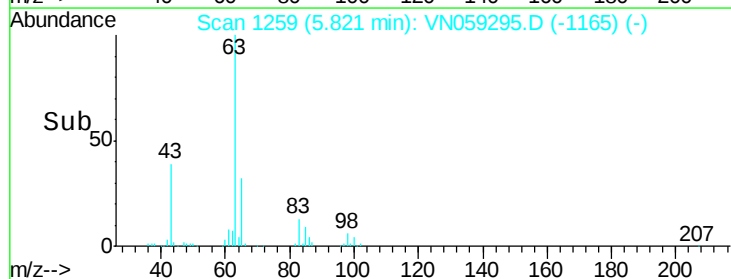
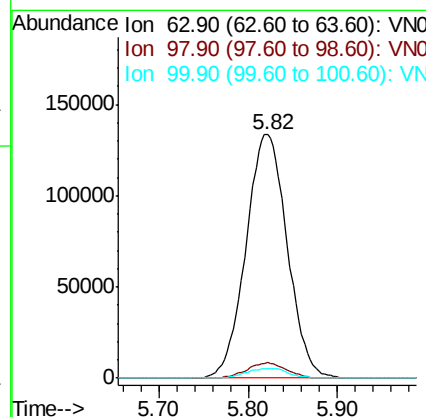
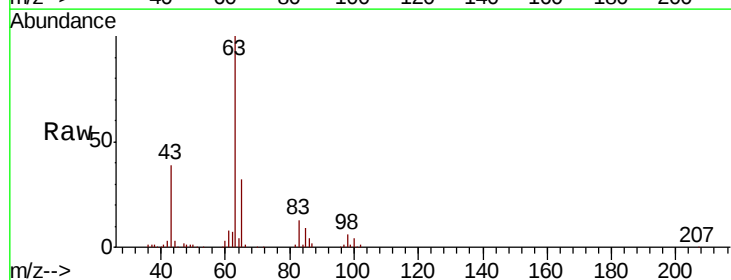
Instrument :
 MSVOA_N
 ClientSampled :

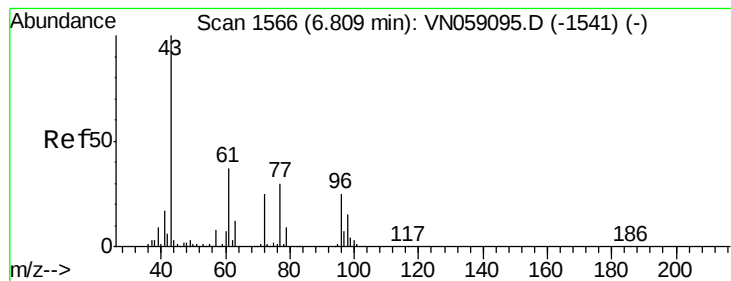
Tot Ion: 43 Resp: 3271942
 Ion Ratio Lower Upper
 43 100
 86 10.4 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 54.607 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Tgt Ion: 63 Resp: 429136
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.8 8.4
 100 4.0 1.9 5.7





#25

2-Butanone

Concen: 275.520 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

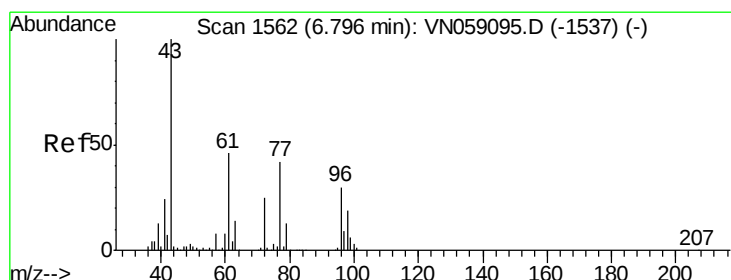
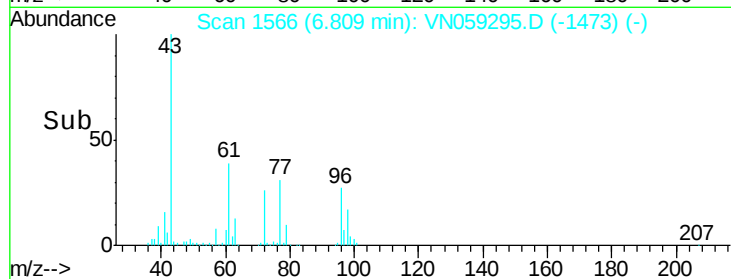
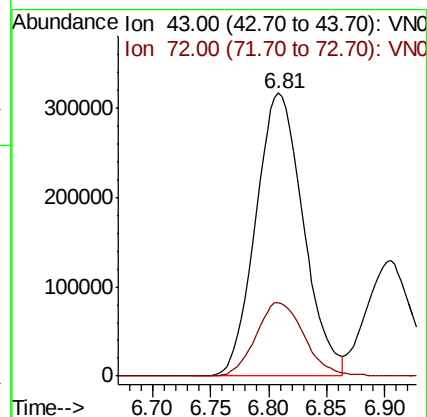
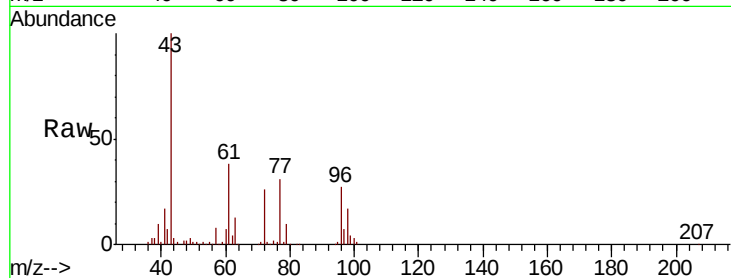
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 902360

Ion Ratio Lower Upper

43 100

72 26.0 20.3 30.5



#26

2,2-Dichloropropane

Concen: 50.520 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059295.D

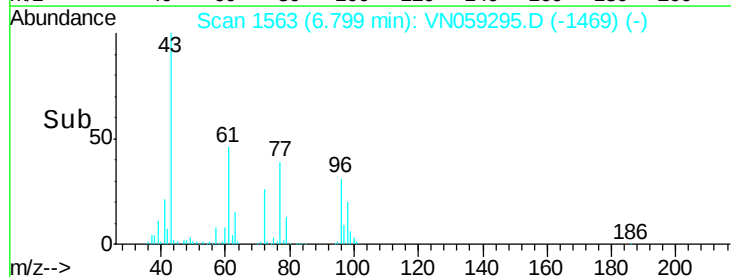
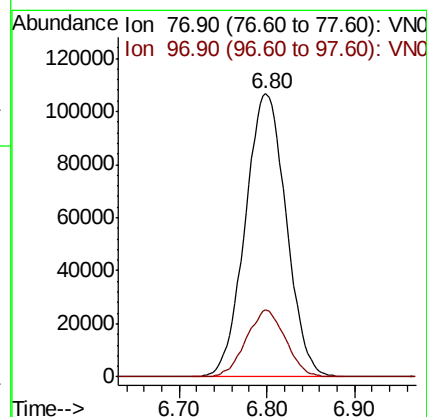
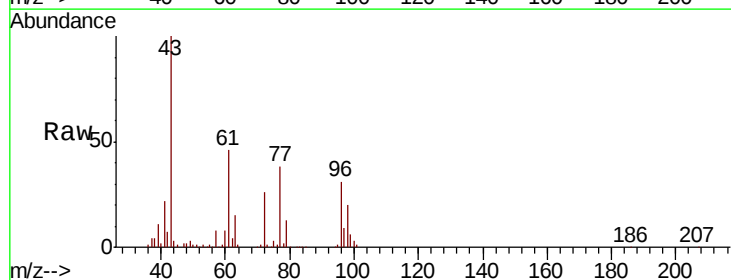
Acq: 18 Nov 2019 19:24

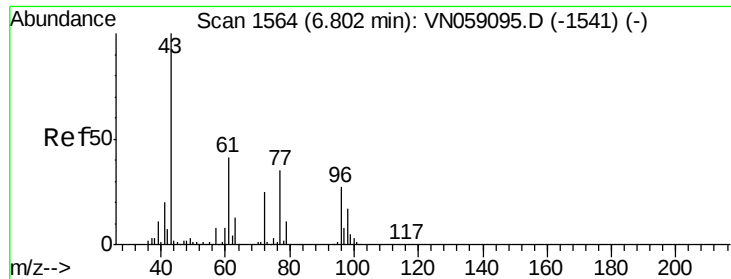
Tgt Ion: 77 Resp: 347157

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 56.023 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :

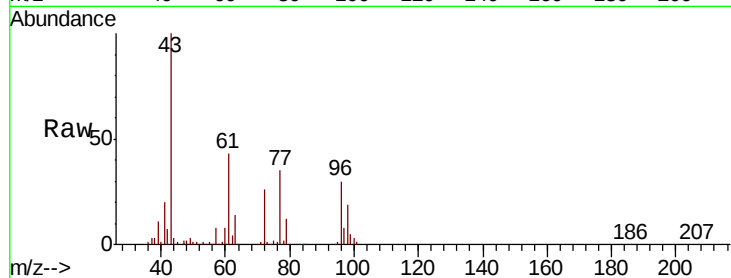
Tot Ion: 96 Resp: 253002

Ion Ratio Lower Upper

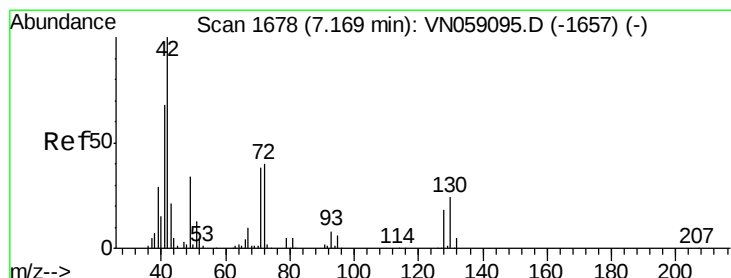
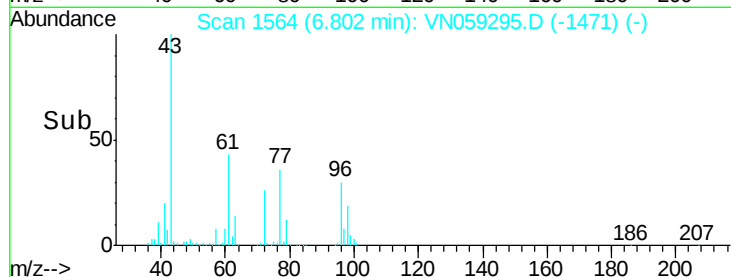
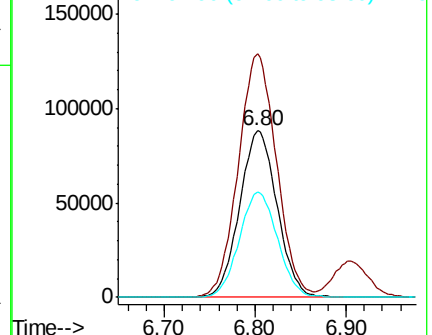
96 100

61 149.0 0.0 311.6

98 64.5 0.0 129.8



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



#28

Bromochloromethane

Concen: 47.504 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

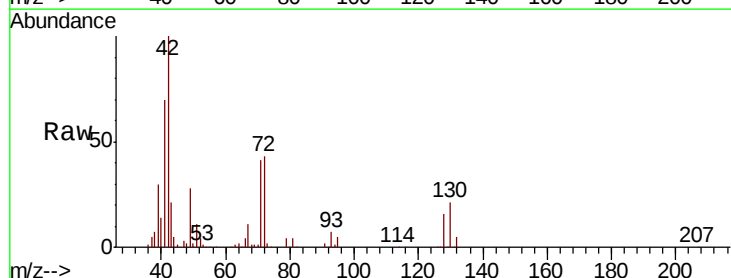
Tgt Ion: 49 Resp: 112315

Ion Ratio Lower Upper

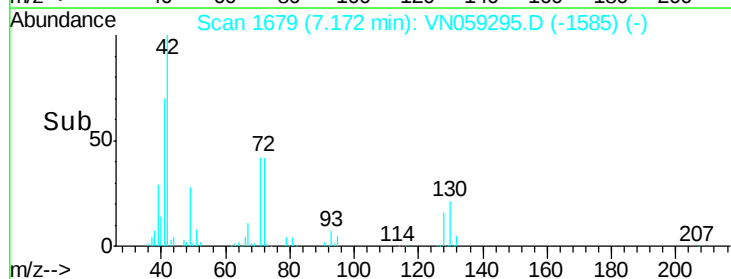
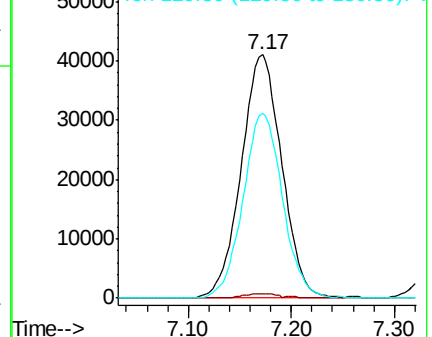
49 100

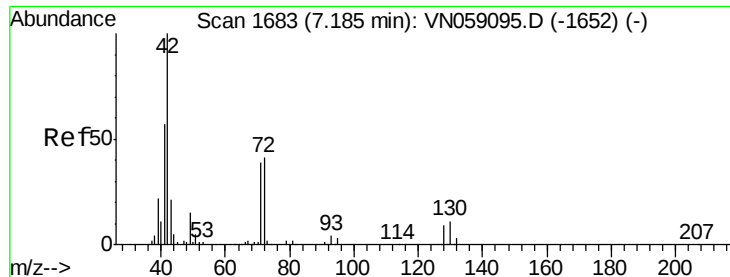
129 0.8 0.0 3.8

130 73.9 55.6 83.4



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

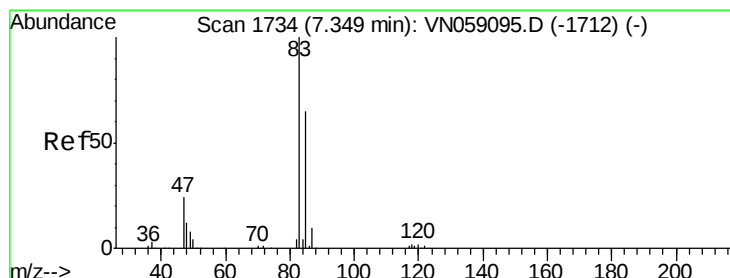
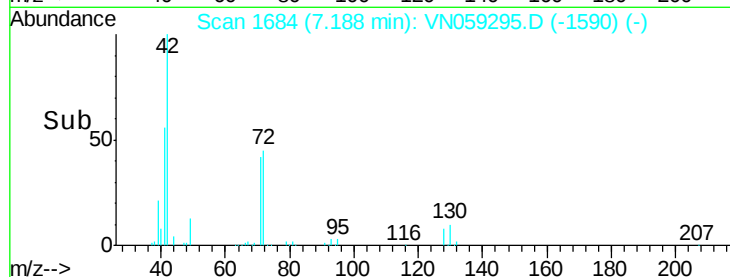
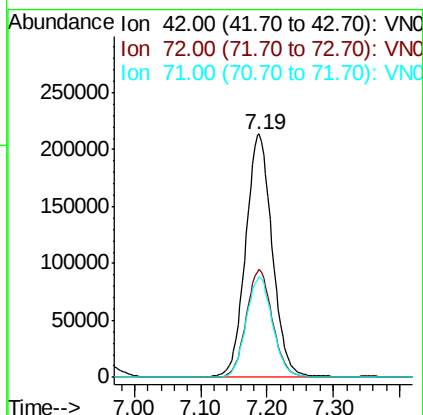
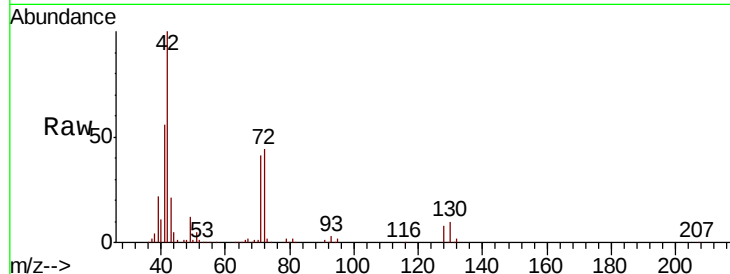




#29
Tetrahydrofuran
Concen: 285.240 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

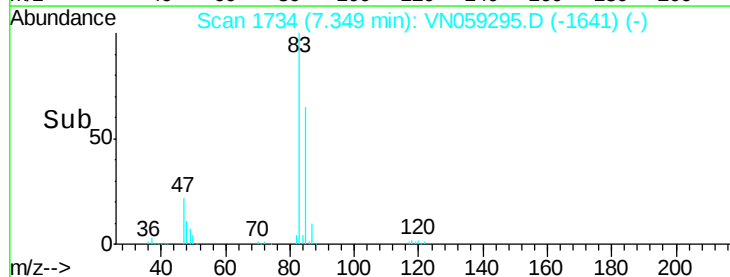
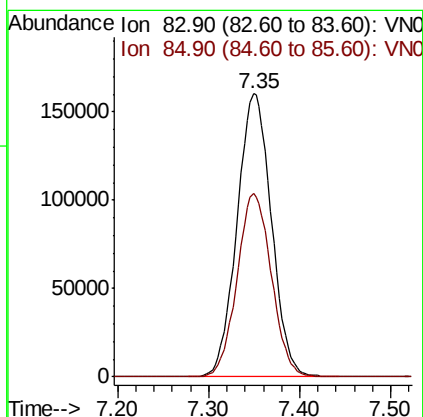
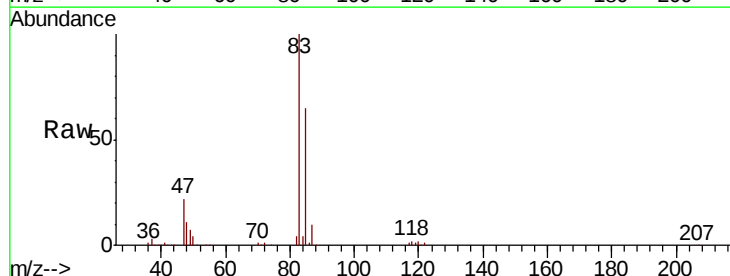
Instrument :
MSVOA_N
ClientSampleId :

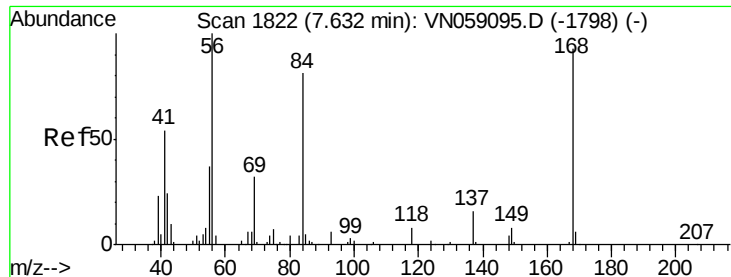
Tot Ion: 42 Resp: 593586
Ion Ratio Lower Upper
42 100
72 43.6 33.1 49.7
71 41.2 30.9 46.3



#30
Chloroform
Concen: 55.875 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion: 83 Resp: 421215
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.8





#31

Cyclohexane

Concen: 46.953 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :
MSVOA_N
ClientSampled :

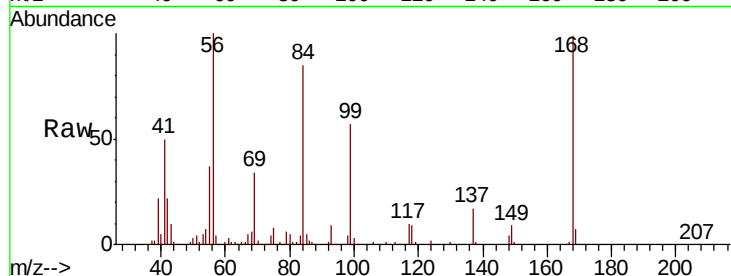
Tot Ion: 56 Resp: 349314

Ion Ratio Lower Upper

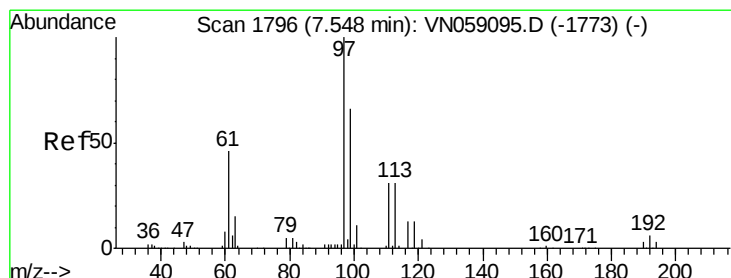
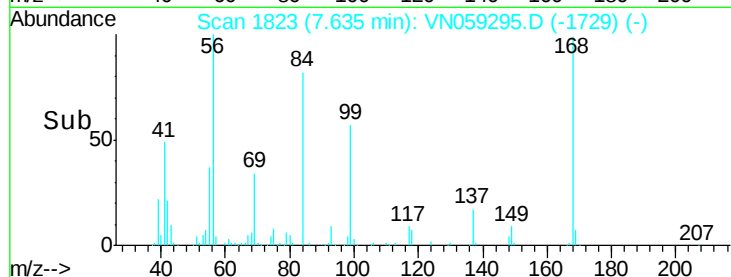
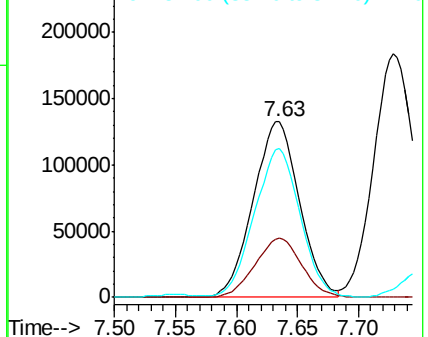
56 100

69 33.8 25.8 38.8

84 83.5 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: 55.522 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

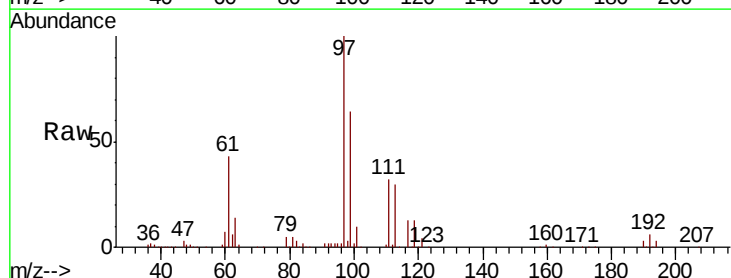
Tgt Ion: 97 Resp: 351901

Ion Ratio Lower Upper

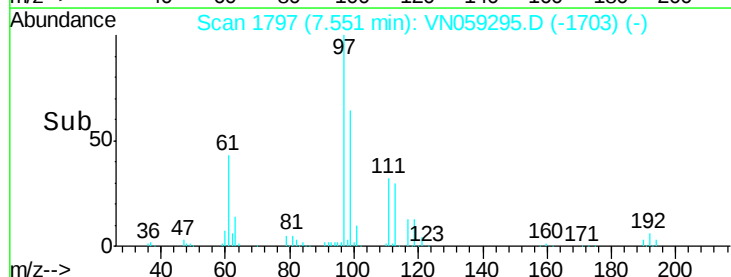
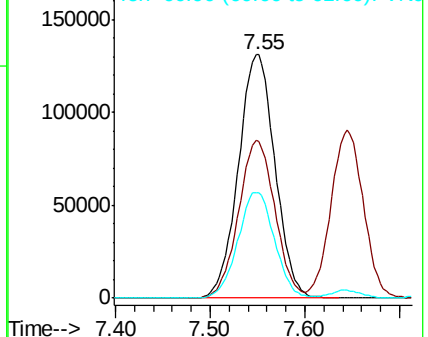
97 100

99 64.5 51.0 76.6

61 43.6 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: 45.597 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

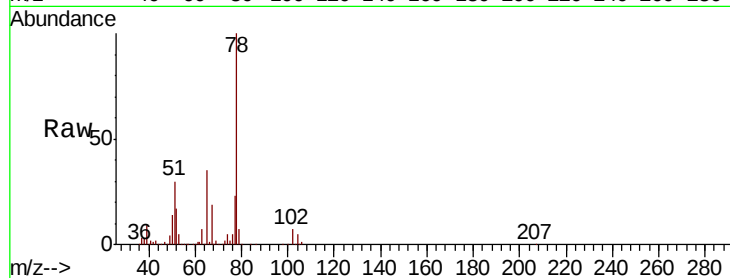
ClientSampled :

Tot Ion: 65 Resp: 217897

Ion Ratio Lower Upper

65 100

67 54.8 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

100000

80000

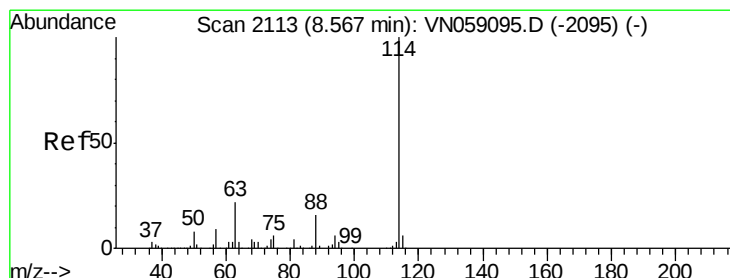
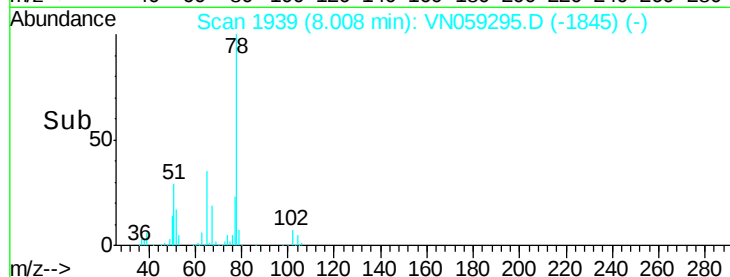
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

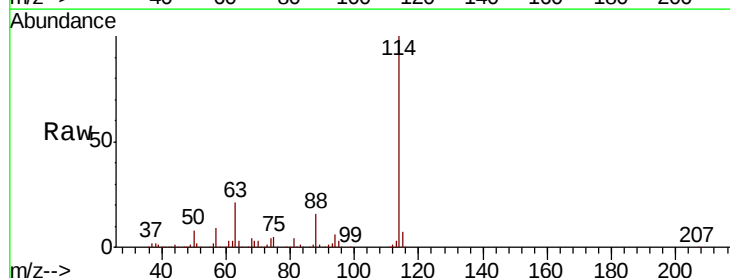
Tgt Ion: 114 Resp: 622796

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

88 16.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

400000

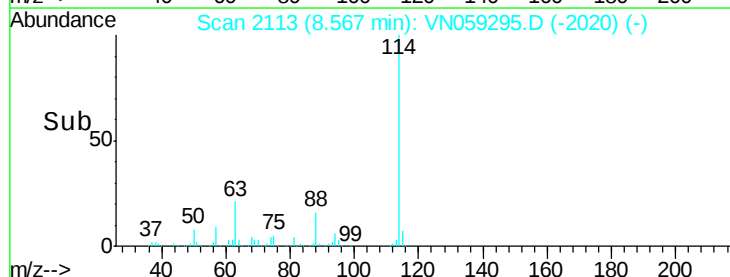
300000

200000

100000

0

Time--> 8.50 8.60 8.70

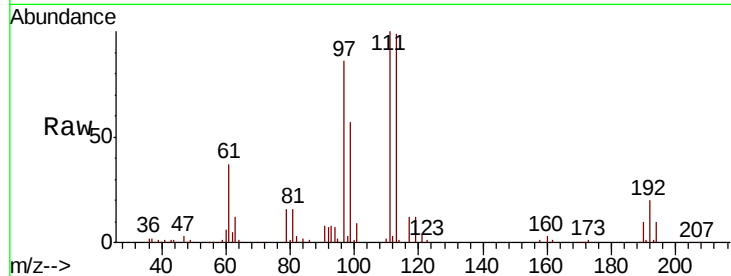




#35
Dibromofluoromethane
Concen: 48.676 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.8	124.2
192	20.2	16.1	24.1

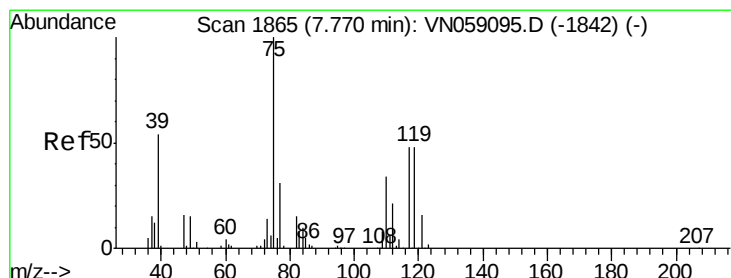
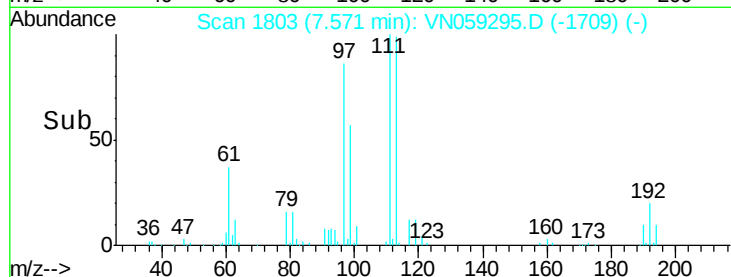
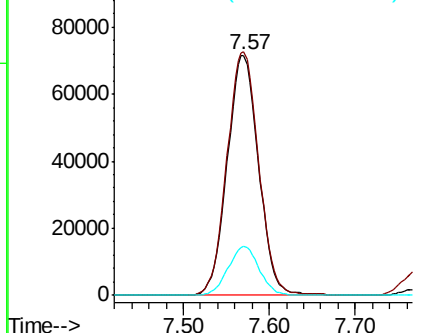


Abundance

Ion 112.80 (112.50 to 113.50): V

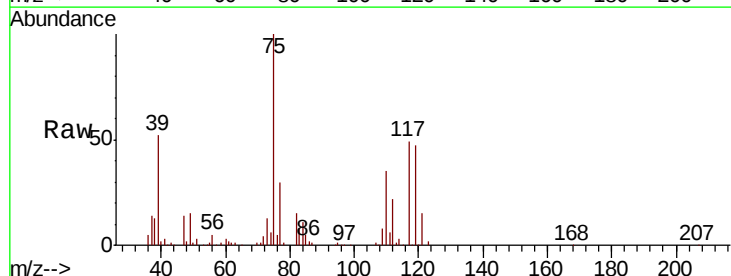
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 51.948 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.1	51.2
77	30.7	24.8	37.2

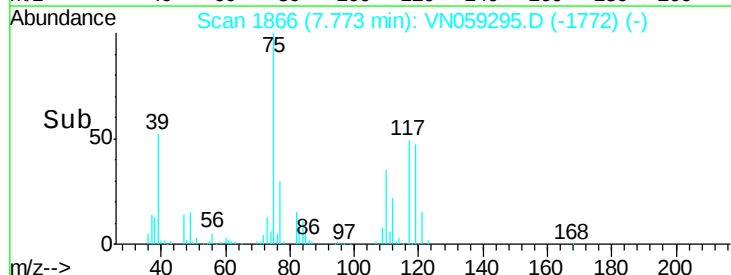
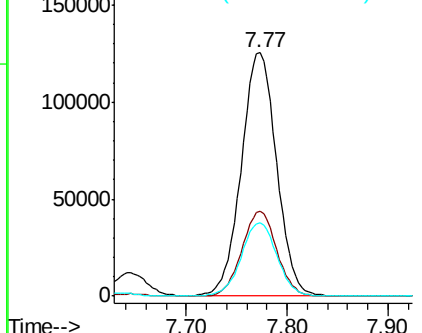


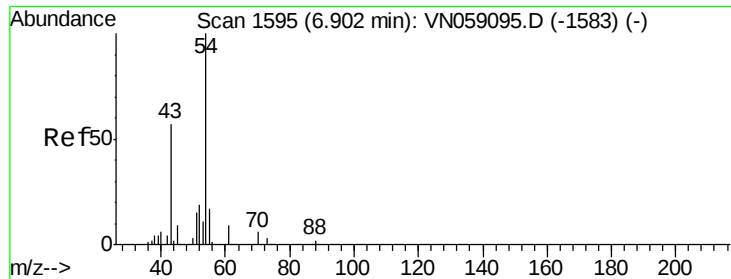
Abundance

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

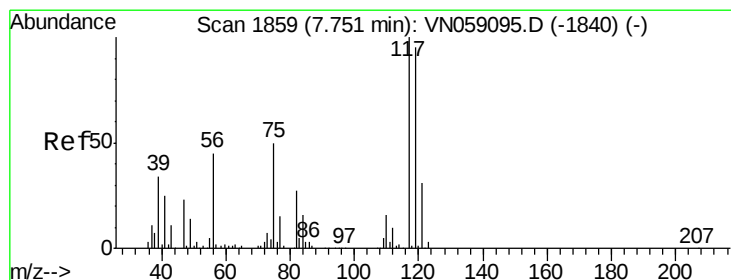
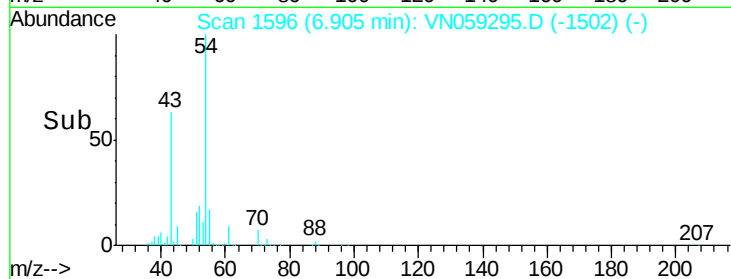
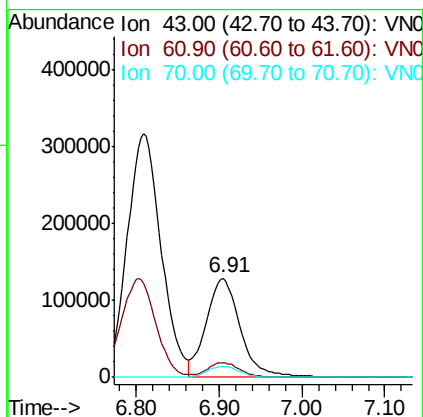
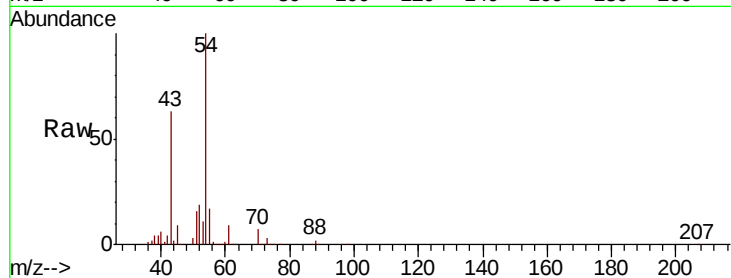




#37
Ethyl Acetate
Concen: 56.190 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

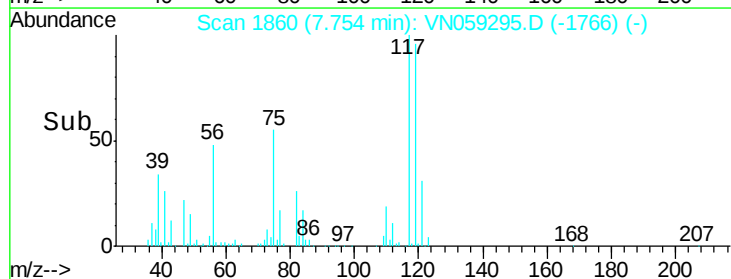
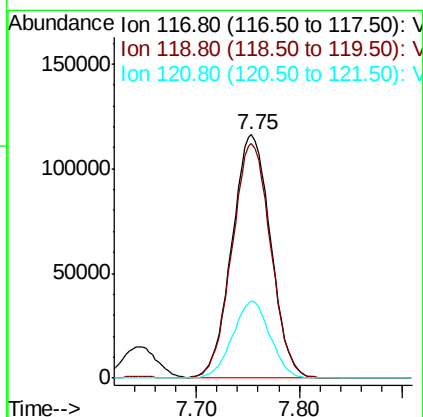
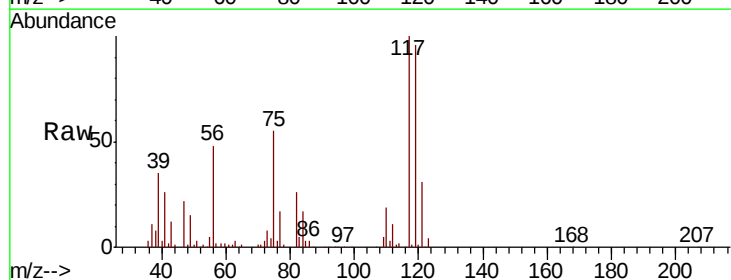
Instrument :
MSVOA_N
ClientSampleId :

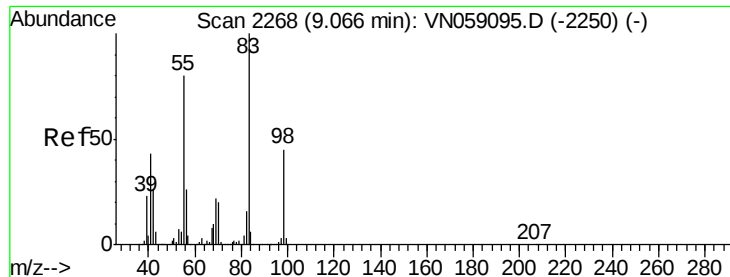
Tot Ion: 43 Resp: 363887
Ion Ratio Lower Upper
43 100
61 14.2 11.2 16.8
70 10.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 52.412 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion: 117 Resp: 303680
Ion Ratio Lower Upper
117 100
119 96.3 75.6 113.4
121 31.5 24.6 36.8

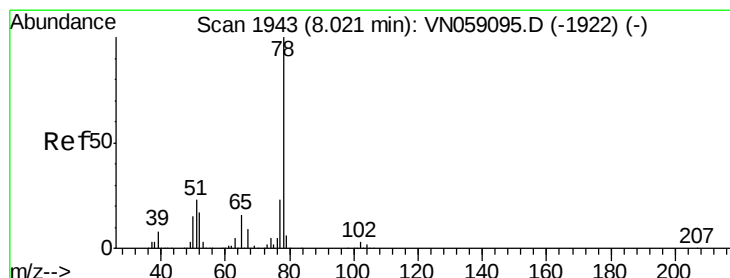
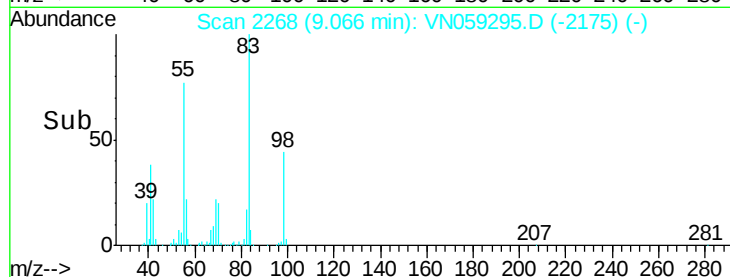
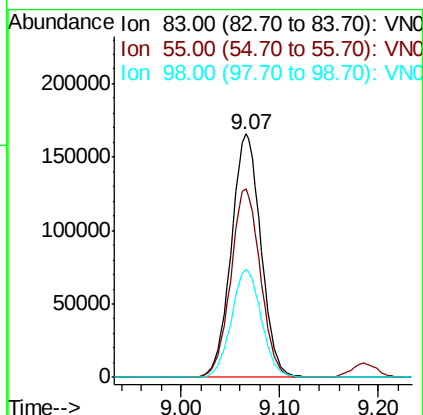
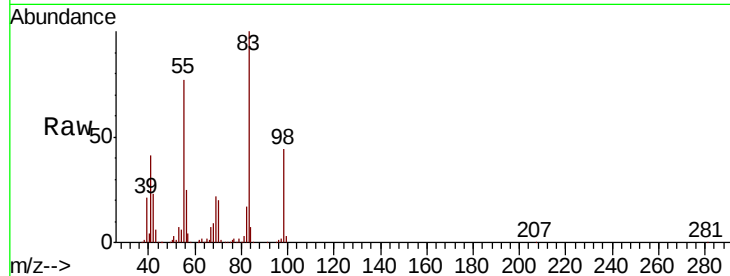




#39
Methvlcvclohexane
Concen: 51.129 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

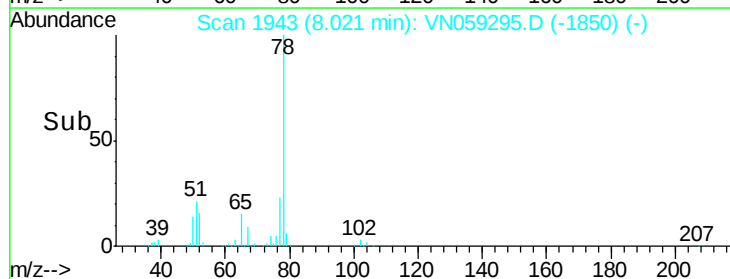
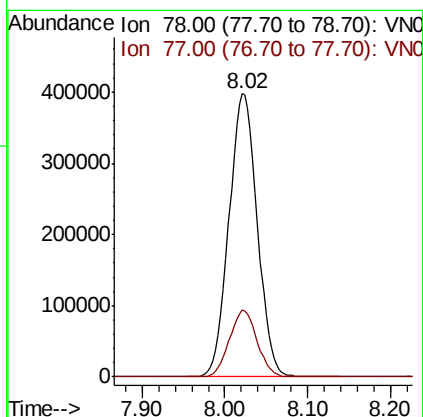
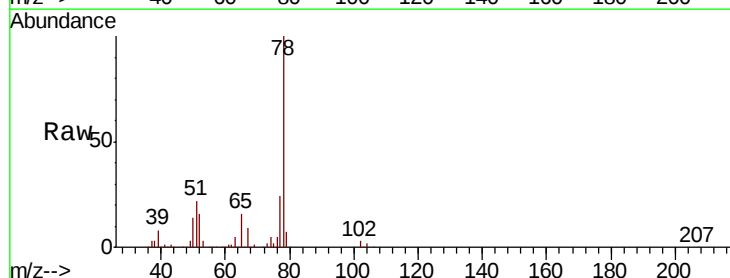
Instrument :
MSVOA_N
ClientSampled :

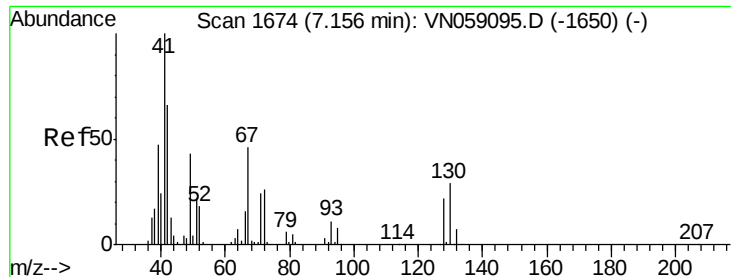
Tot Ion: 83 Resp: 345436
Ion Ratio Lower Upper
83 100
55 77.3 63.9 95.9
98 44.5 35.6 53.4



#40
Benzene
Concen: 53.831 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion: 78 Resp: 943654
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

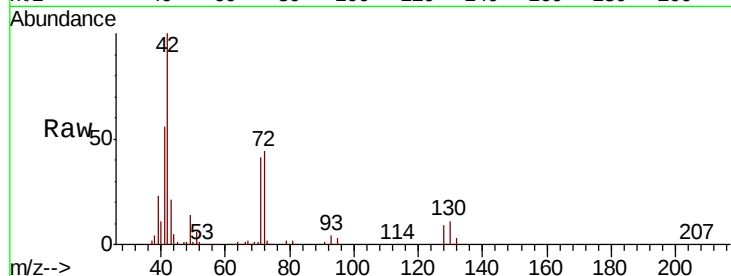




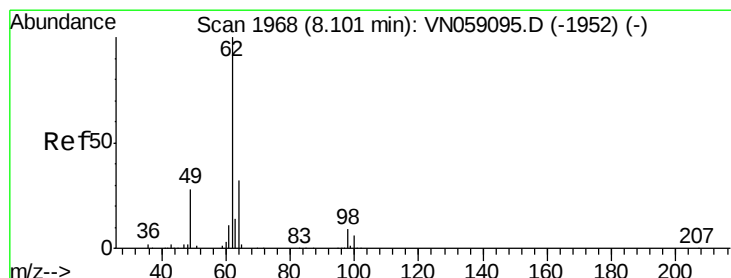
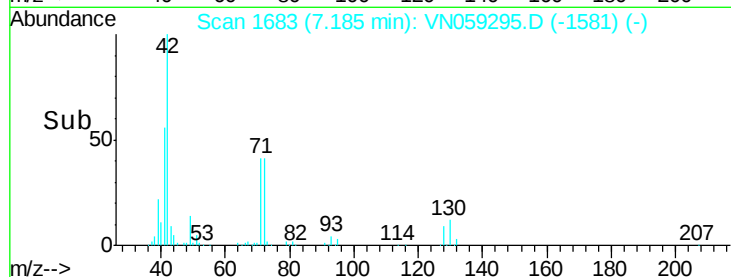
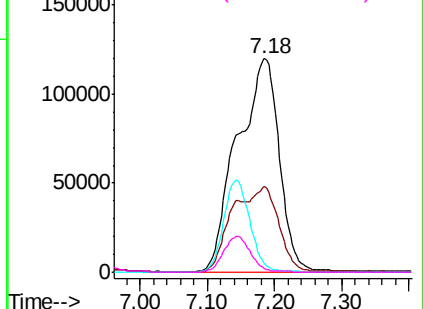
#41
Methacrylonitrile
Concen: 184.279 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	518941
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

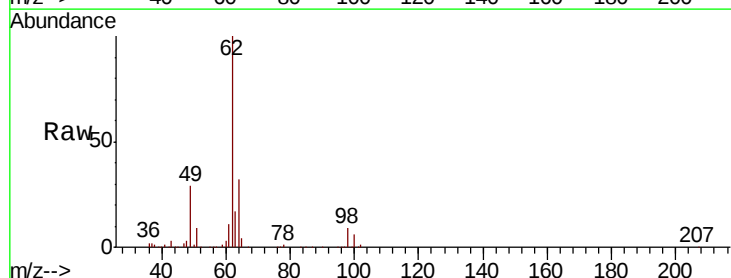


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

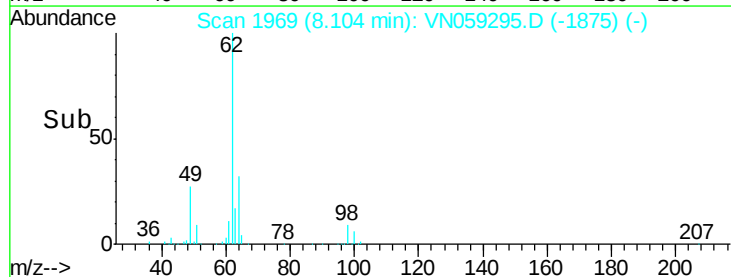
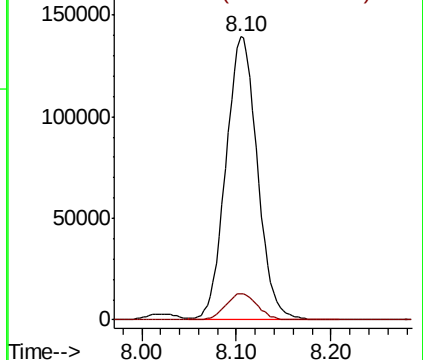


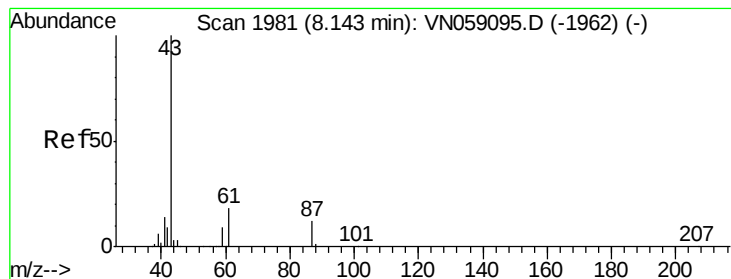
#42
1,2-Dichloroethane
Concen: 53.364 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion:	62	Resp:	320840
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8



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



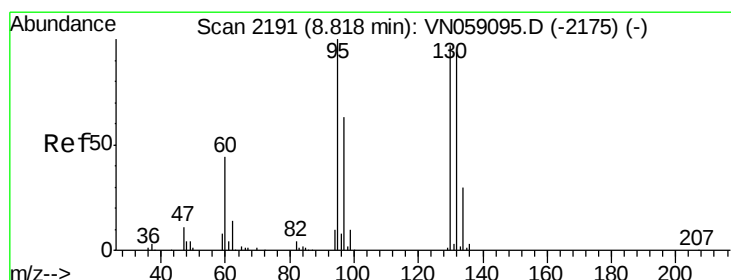
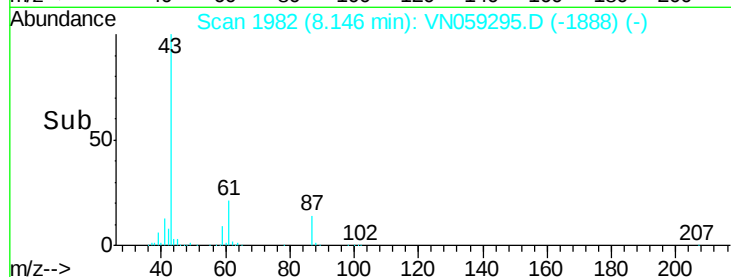
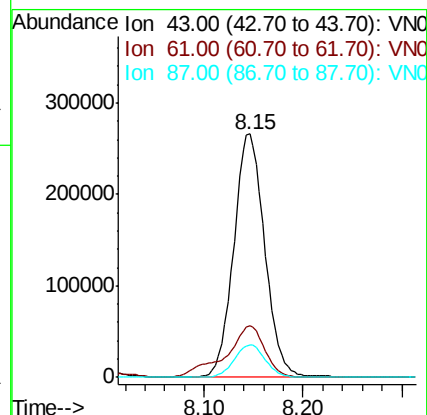
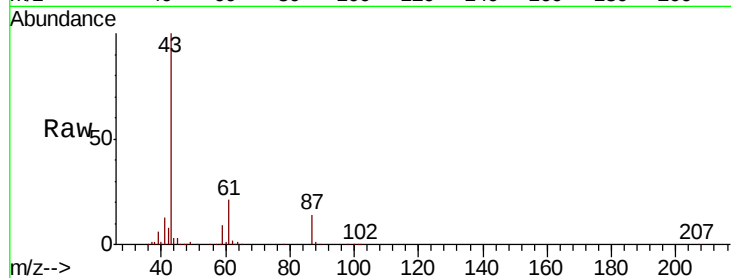


#43

Isopropyl Acetate
 Concen: 56.084 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Instrument :
 MSVOA_N
 ClientSampleId :

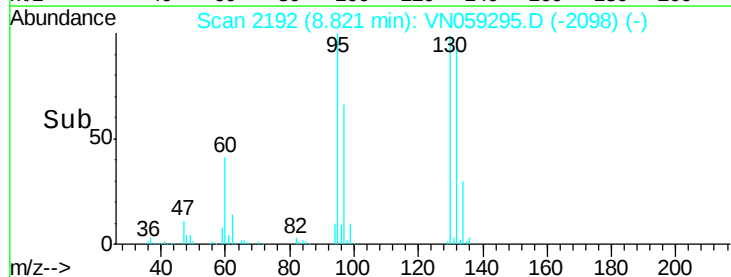
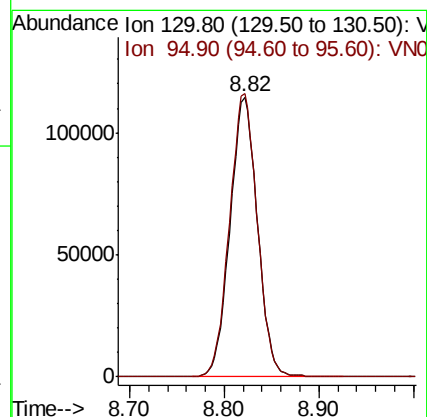
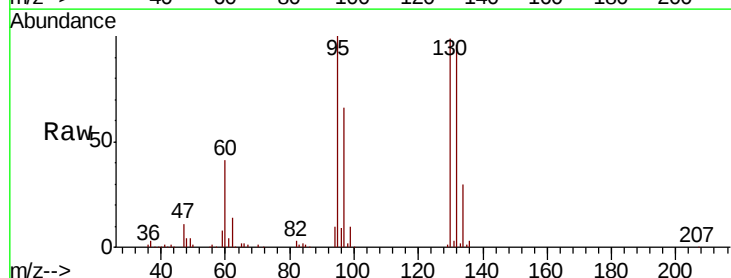
Tot Ion	43	Resp	579036
Ion Ratio	Lower	Upper	
43	100		
61	26.8	21.0	31.6
87	13.4	9.8	14.6

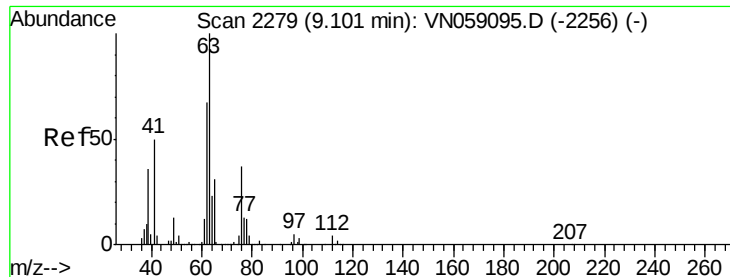


#44

Trichloroethene
 Concen: 53.604 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Tgt Ion	130	Resp	230989
Ion Ratio	Lower	Upper	
130	100		
95	101.2	0.0	206.4





#45

1,2-Dichloropropane

Concen: 54.868 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

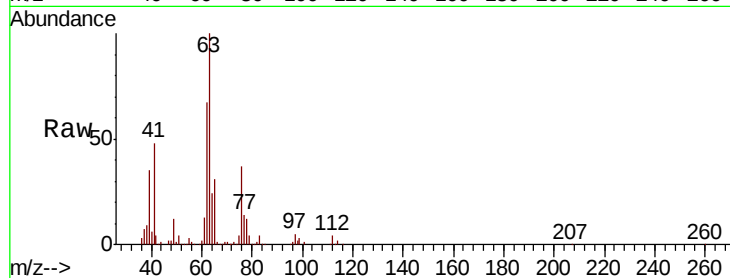
ClientSampled :

Tot Ion: 63 Resp: 261252

Ion Ratio Lower Upper

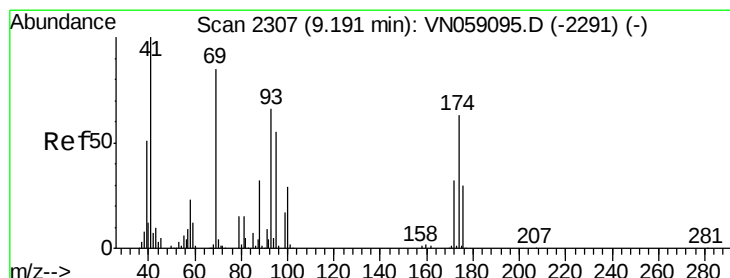
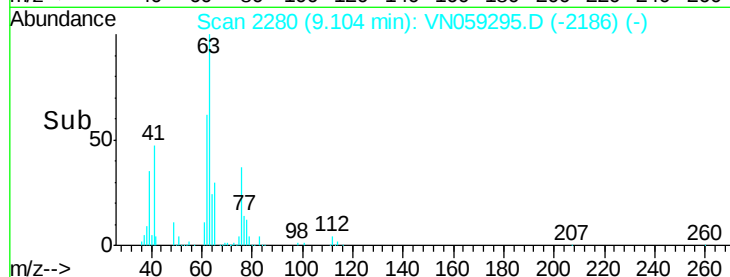
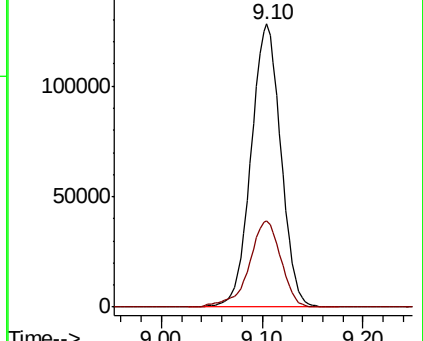
63 100

65 30.6 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN059295.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059295.D (-2186) (-)



#46

Dibromomethane

Concen: 54.531 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

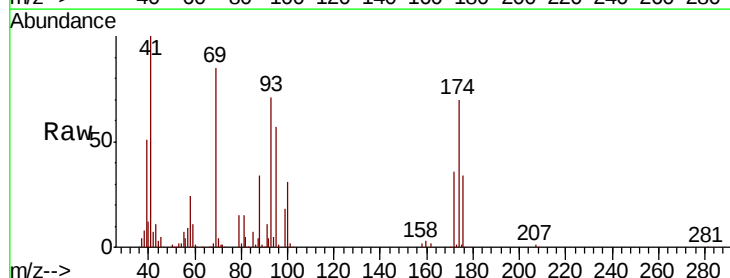
Tgt Ion: 93 Resp: 161798

Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

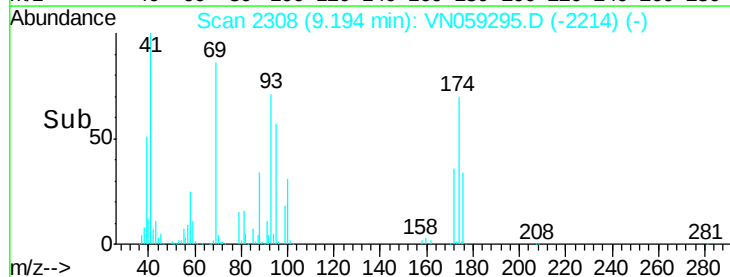
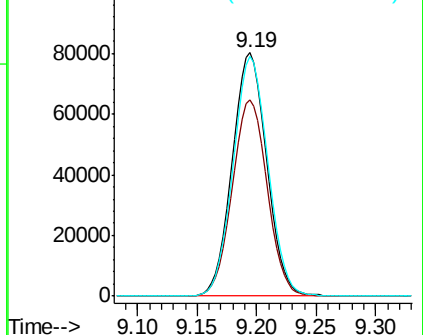
174 98.9 78.2 117.2

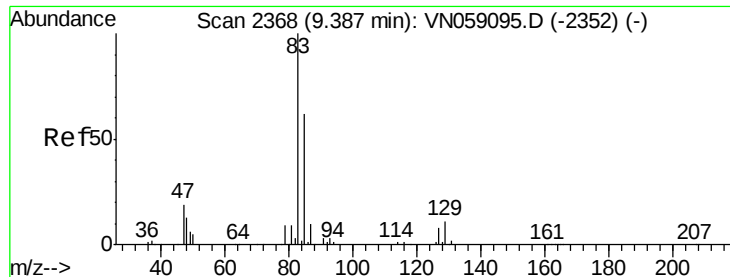


Abundance Ion 92.80 (92.50 to 93.50): VN059295.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN059295.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN059295.D (-2214) (-)

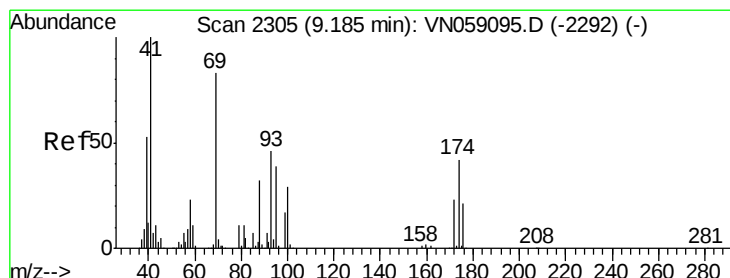
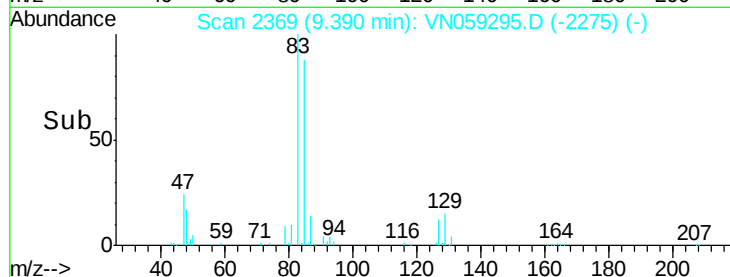
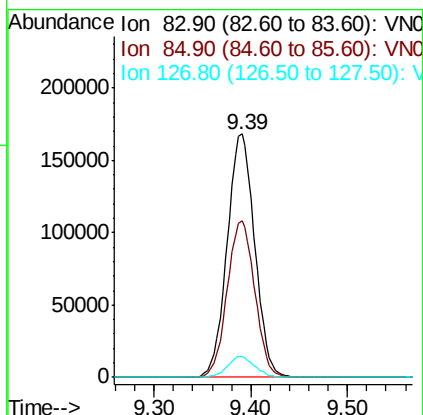
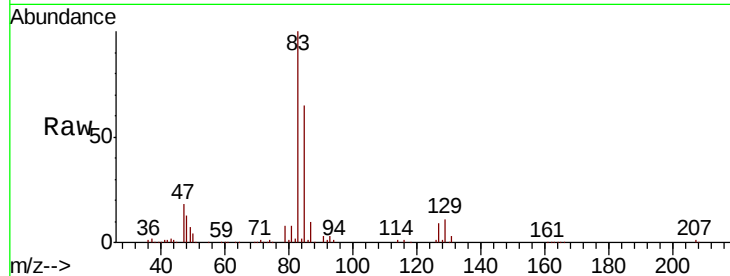




#47
Bromodichloromethane
Concen: 56.099 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

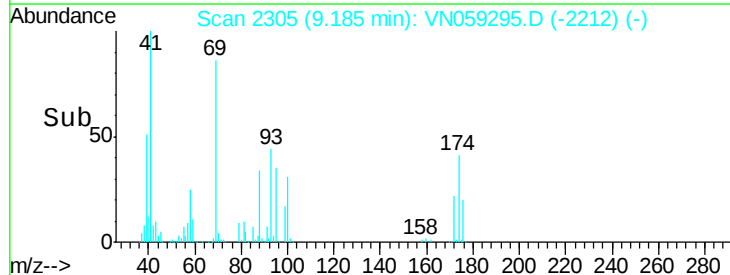
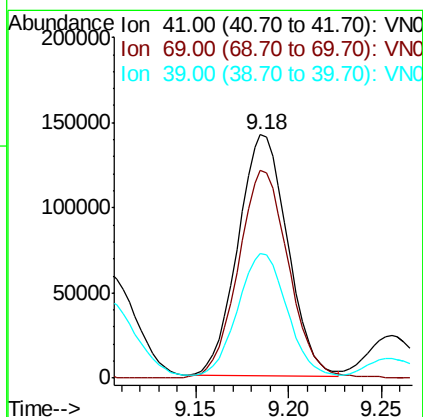
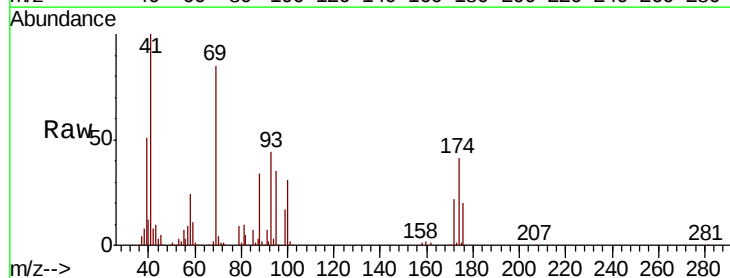
Instrument :
MSVOA_N
ClientSampled :

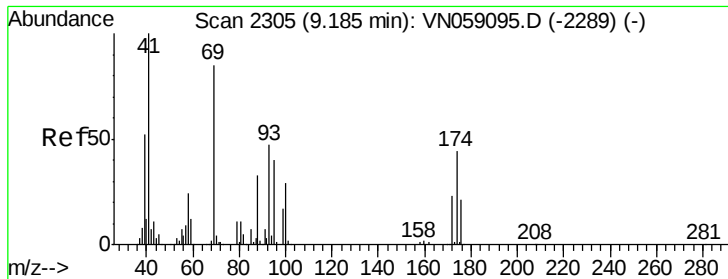
Tot Ion: 83 Resp: 332379
Ion Ratio Lower Upper
83 100
85 64.5 49.7 74.5
127 8.5 6.4 9.6



#48
Methyl methacrylate
Concen: 56.873 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion: 41 Resp: 262646
Ion Ratio Lower Upper
41 100
69 87.9 67.3 100.9
39 51.9 43.3 64.9

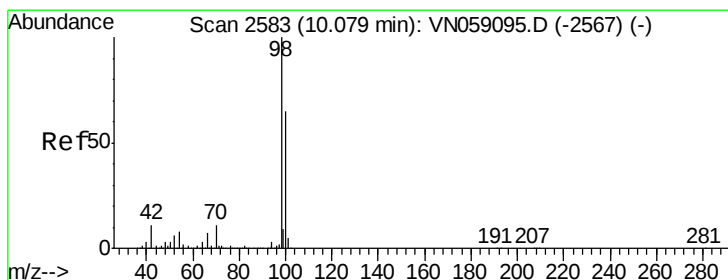
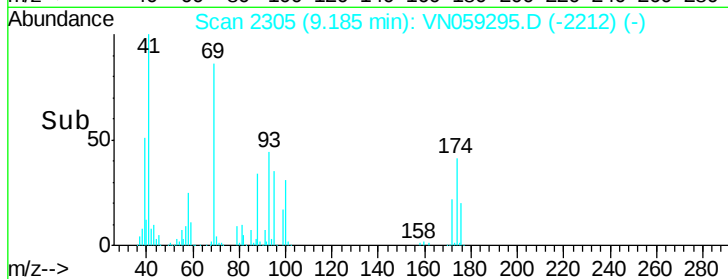
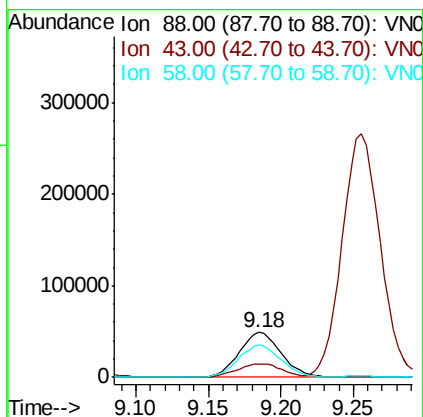
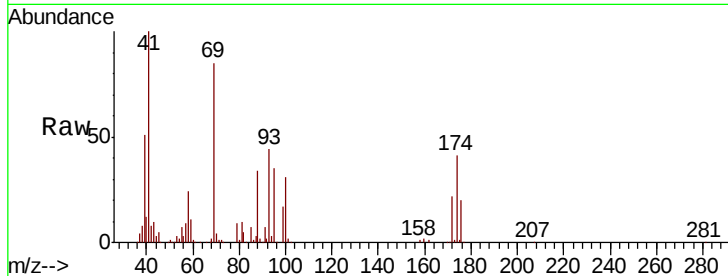




#49
 1,4-Dioxane
 Concen: 1207.865 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

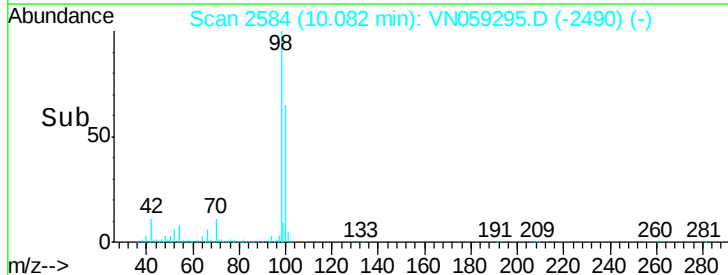
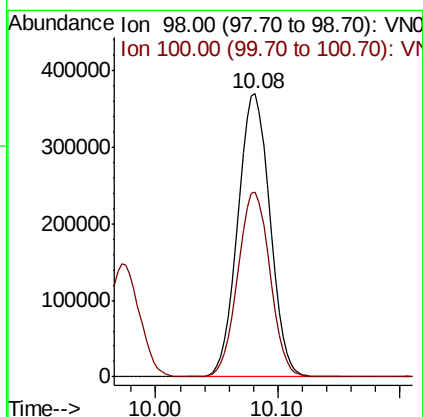
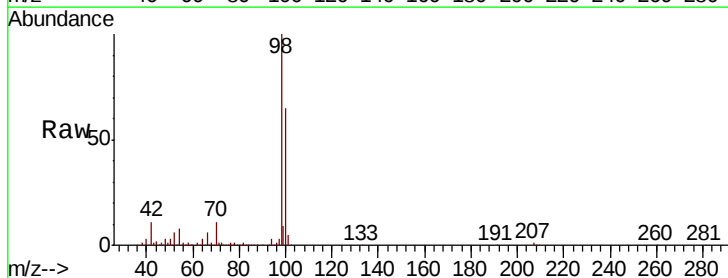
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 99130
 Ion Ratio Lower Upper
 88 100
 43 30.1 26.3 39.5
 58 73.0 60.6 90.8



#50
 Toluene-d8
 Concen: 46.081 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Tgt Ion: 98 Resp: 674978
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 310.023 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

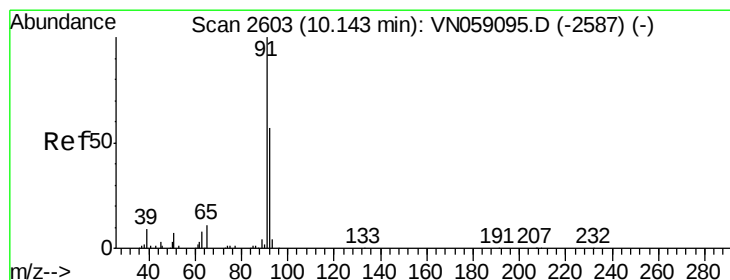
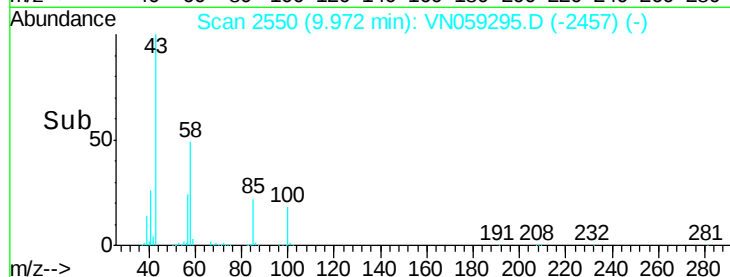
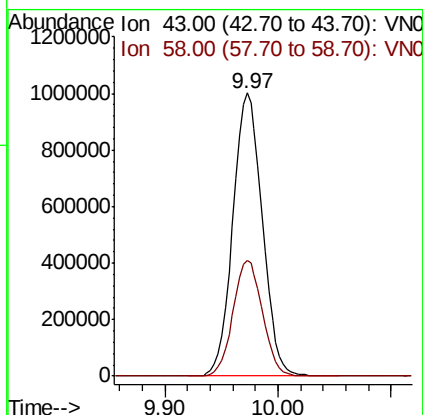
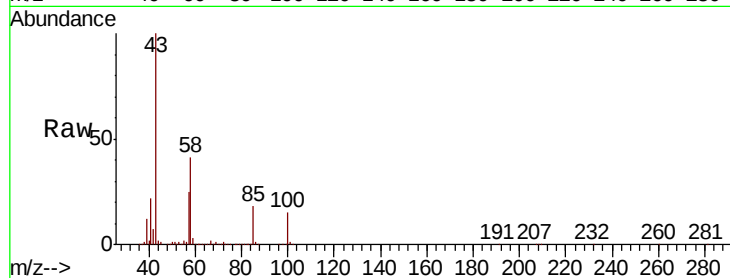
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1811105

Ion Ratio Lower Upper

43 100

58 40.8 31.5 47.3



#52

Toluene

Concen: 55.443 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059295.D

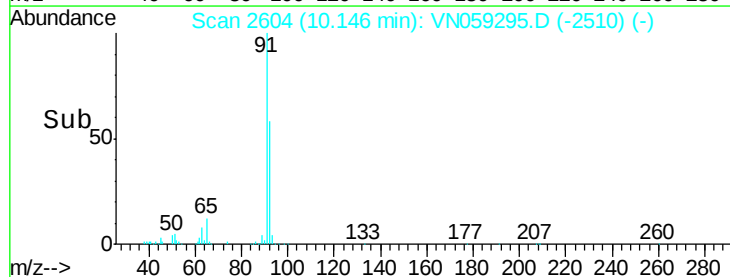
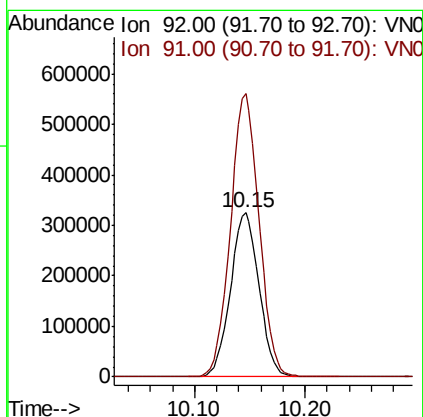
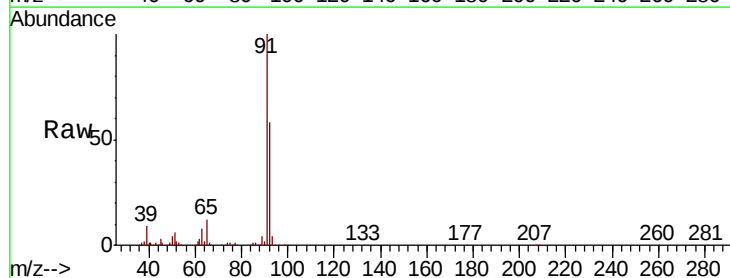
Acq: 18 Nov 2019 19:24

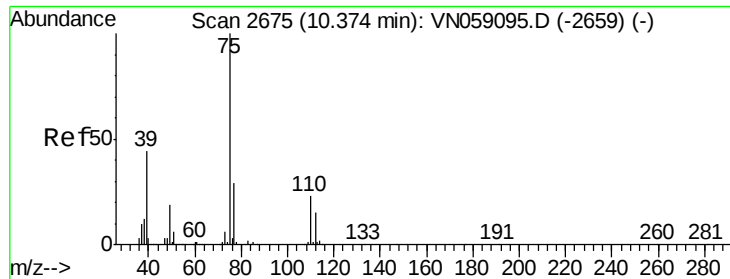
Tgt Ion: 92 Resp: 582543

Ion Ratio Lower Upper

92 100

91 172.8 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 55.023 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

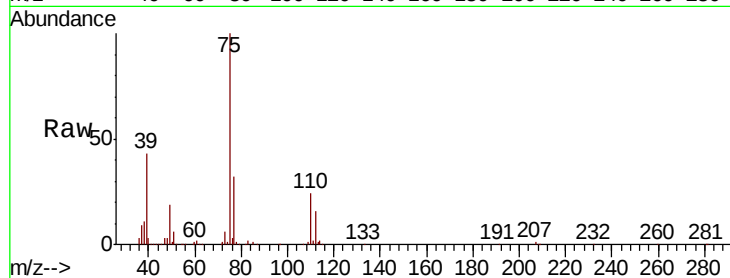
ClientSampleId :

Tot Ion: 75 Resp: 376639

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

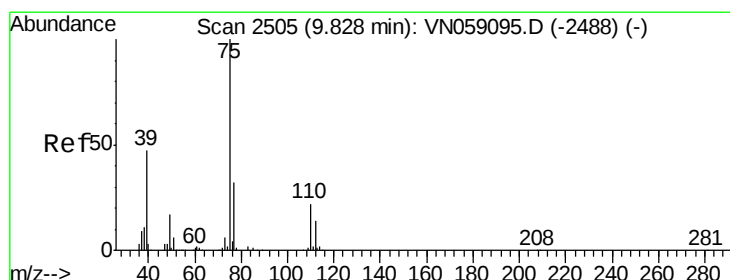
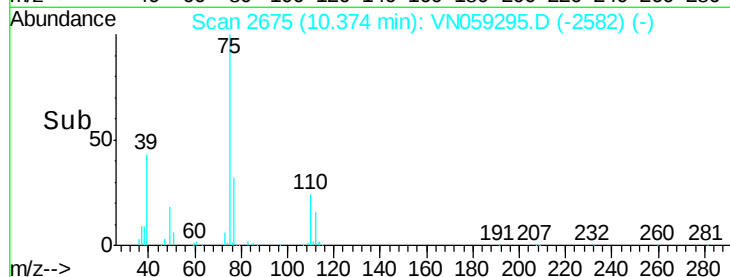
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.034 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

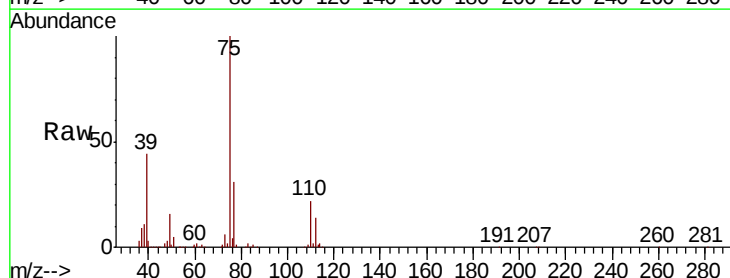
Tgt Ion: 75 Resp: 412589

Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

39 44.4 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

300000

250000

200000

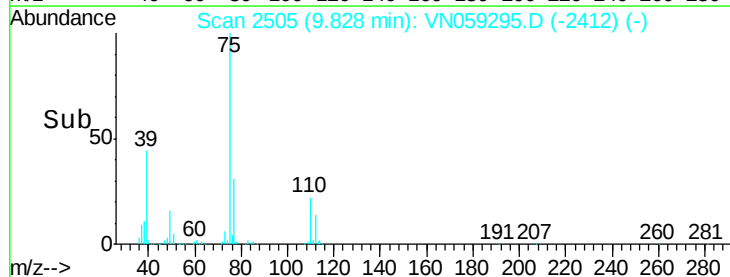
150000

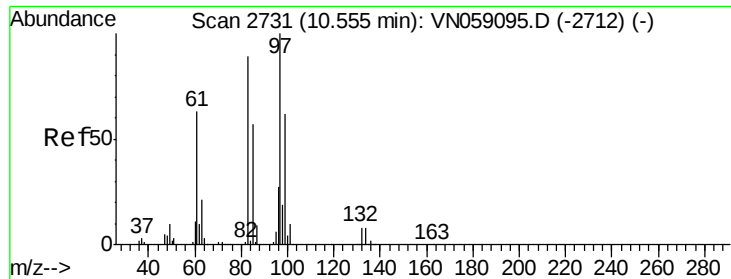
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 56.137 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

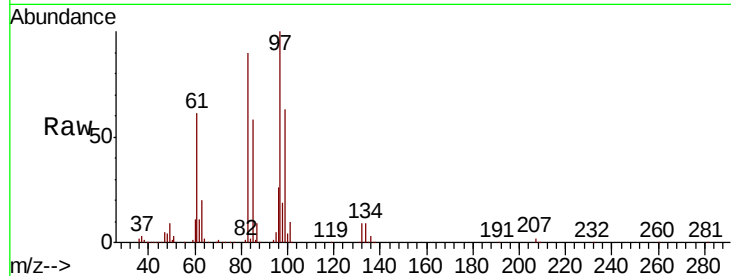
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 238710

Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.0	106.4
85	57.9	45.8	68.8
99	63.2	49.4	74.0



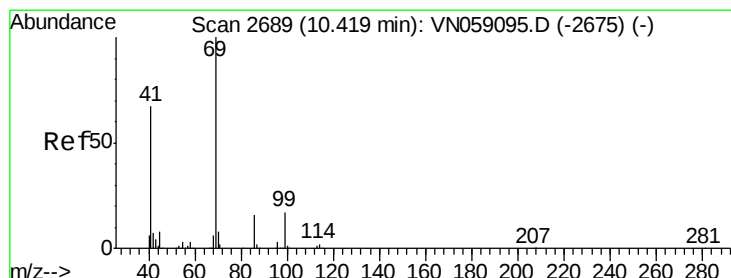
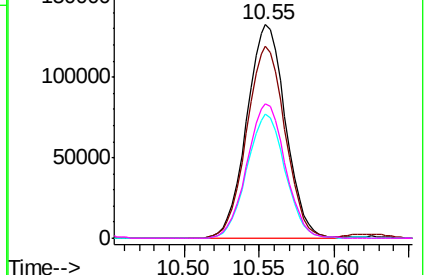
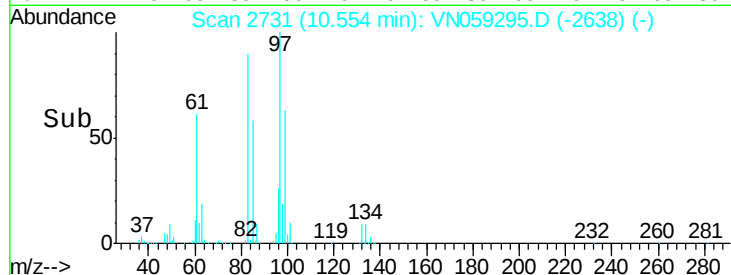
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 55.107 ug/l

RT: 10.42 min Scan# 2690

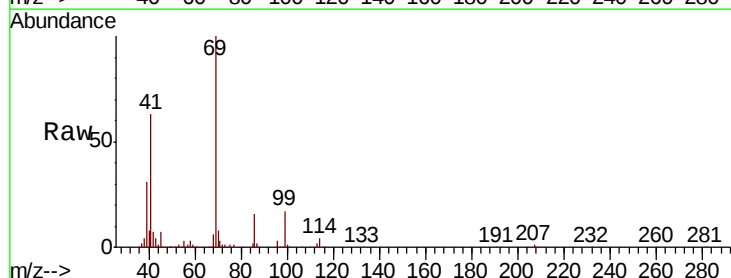
Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Tgt Ion: 69 Resp: 392246

Ion	Ratio	Lower	Upper
69	100		
41	63.4	53.6	80.4
39	30.0	26.2	39.4

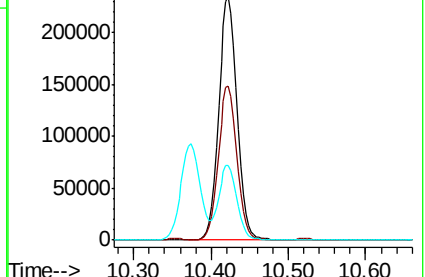
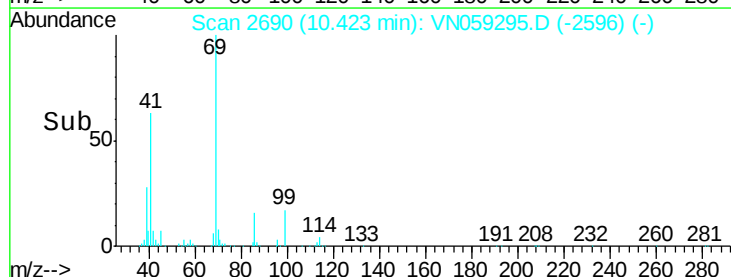


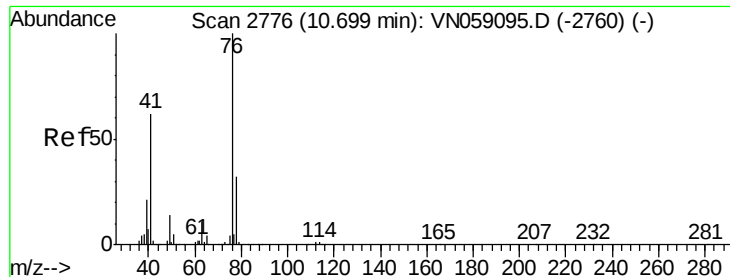
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 56.150 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

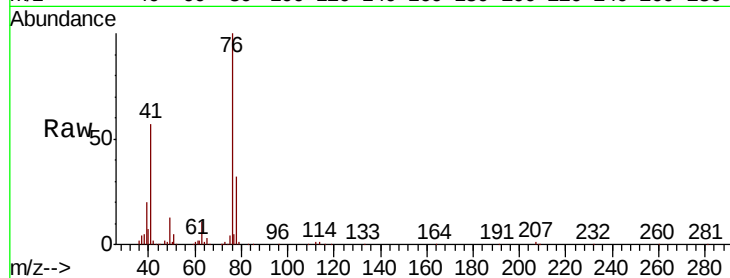
ClientSampled :

Tot Ion: 76 Resp: 410943

Ion Ratio Lower Upper

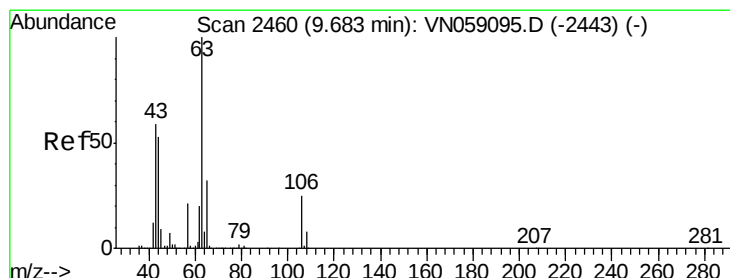
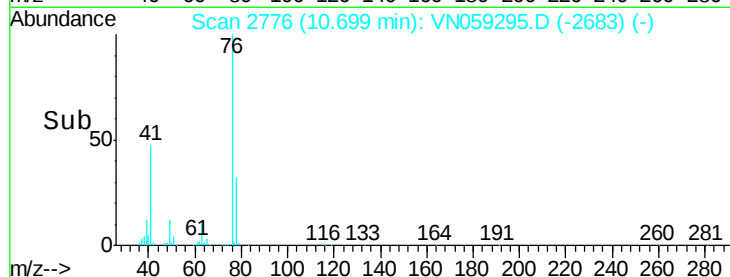
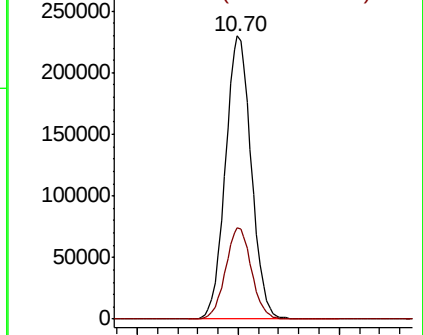
76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 297.155 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059295.D

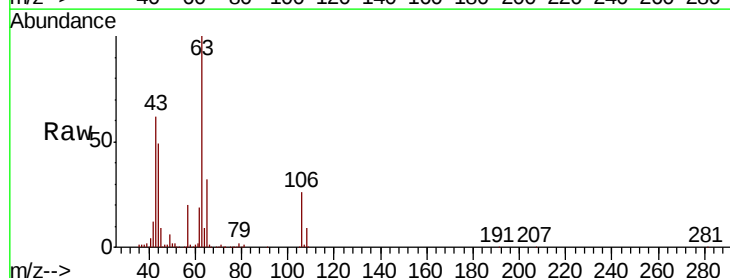
Acq: 18 Nov 2019 19:24

Tgt Ion: 63 Resp: 703219

Ion Ratio Lower Upper

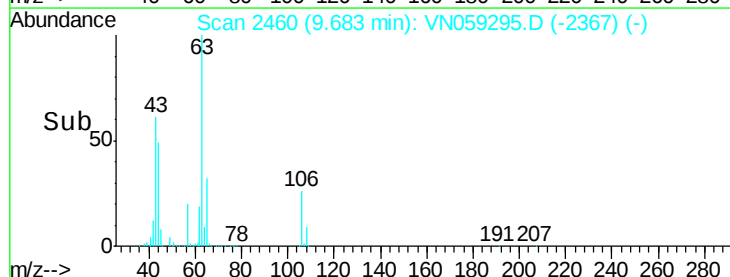
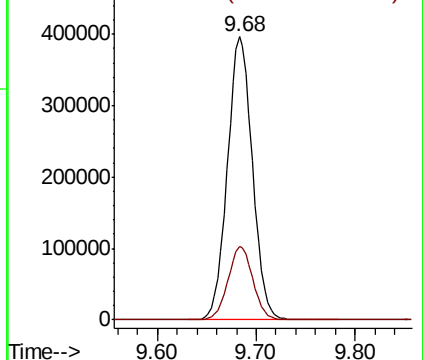
63 100

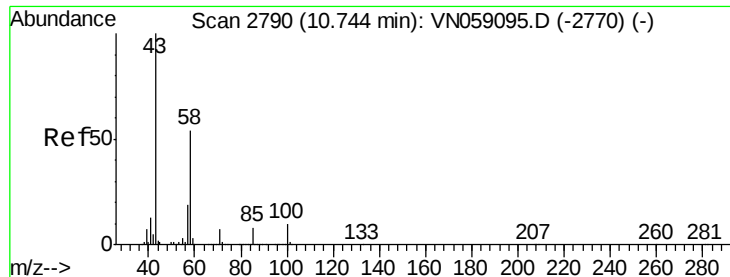
106 25.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

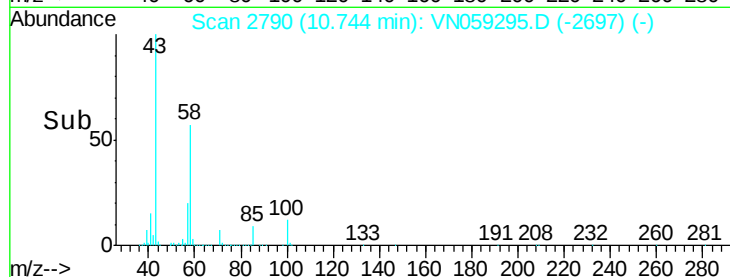
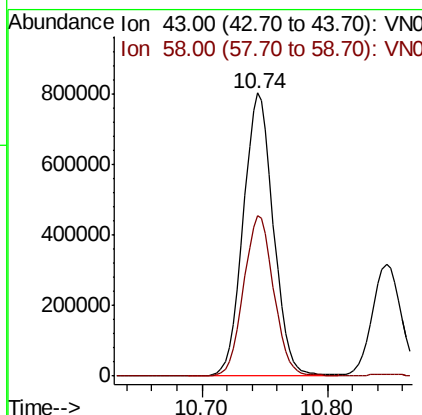
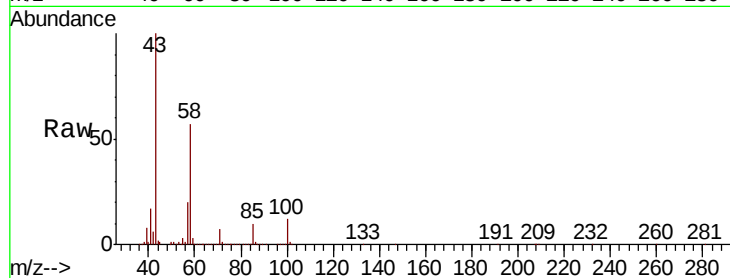




#59
2-Hexanone
Concen: 299.127 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

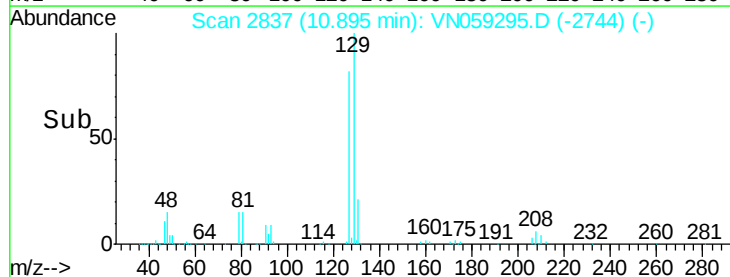
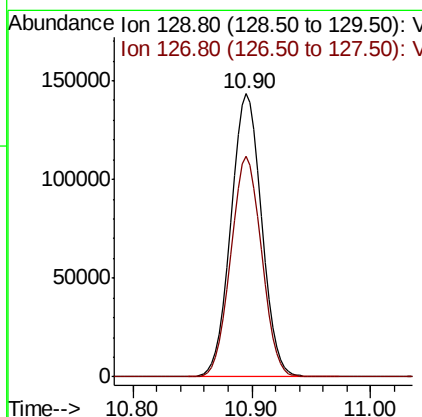
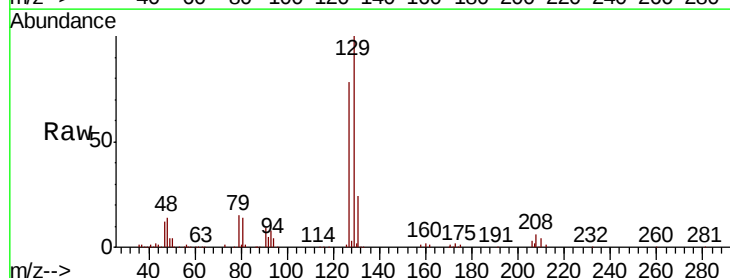
Instrument :
MSVOA_N
ClientSampleId :

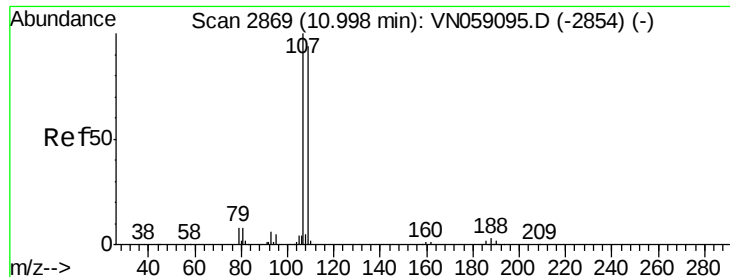
Tot Ion: 43 Resp: 1341250
Ion Ratio Lower Upper
43 100
58 56.8 27.3 81.8



#60
Dibromochloromethane
Concen: 57.161 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion: 129 Resp: 256988
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 56.559 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

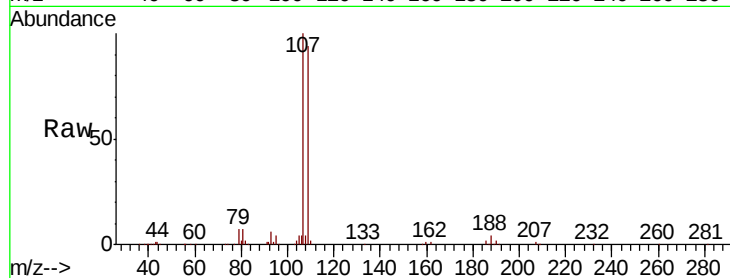
ClientSampled :

Tot Ion: 107 Resp: 243466

Ion Ratio Lower Upper

107 100

109 96.3 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

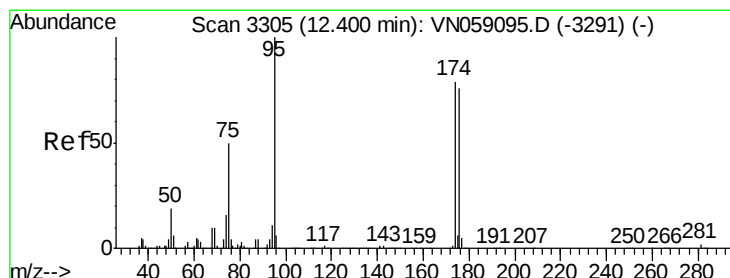
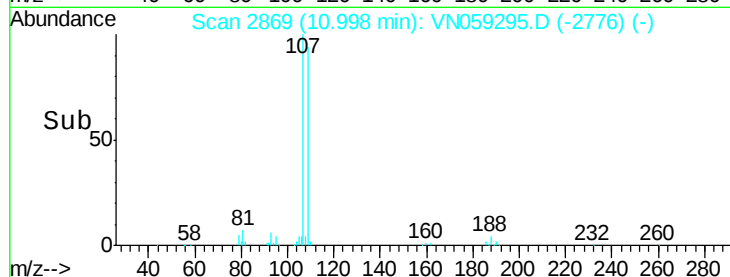
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.250 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

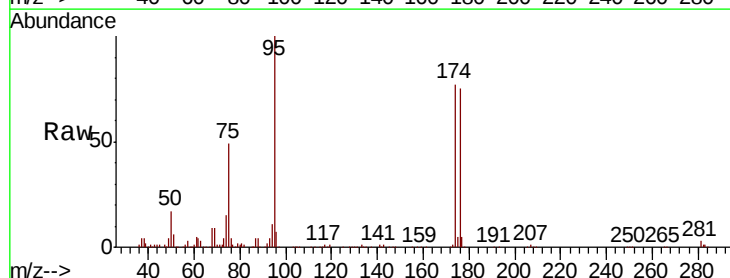
Tgt Ion: 95 Resp: 260107

Ion Ratio Lower Upper

95 100

174 77.4 0.0 158.2

176 75.4 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

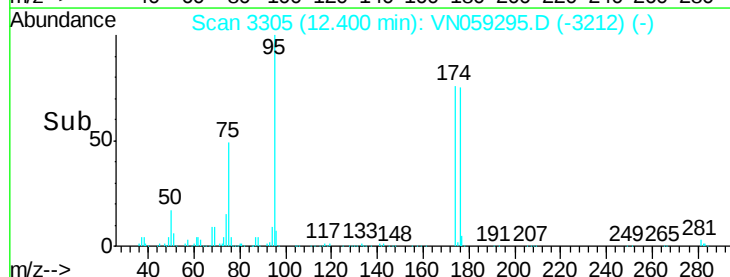
150000

100000

50000

0

Time--> 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

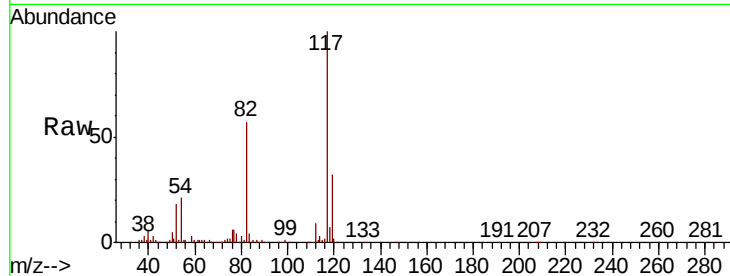
Tot Ion:117 Resp: 561587

Ion Ratio Lower Upper

117 100

82 56.5 45.8 68.8

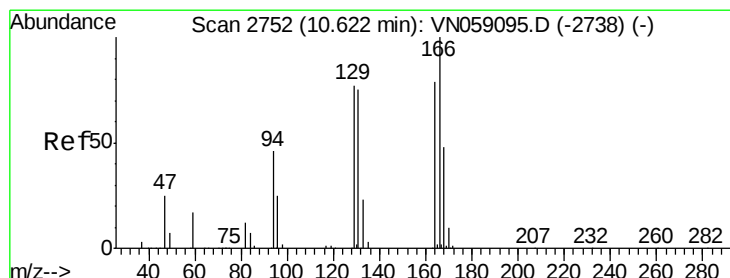
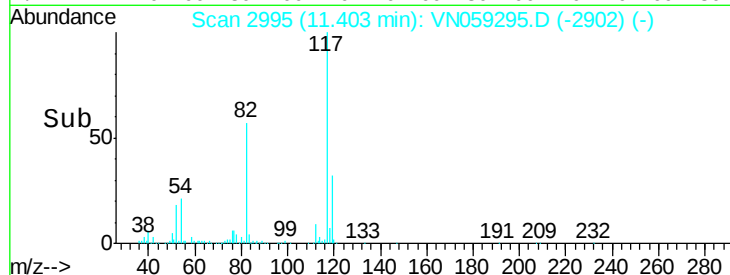
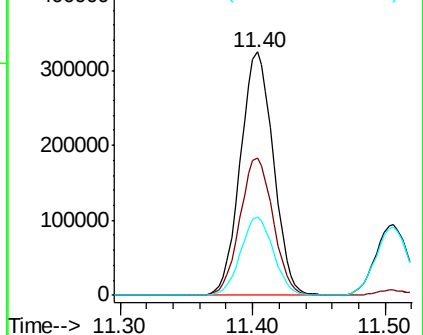
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.853 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Tgt Ion:164 Resp: 198013

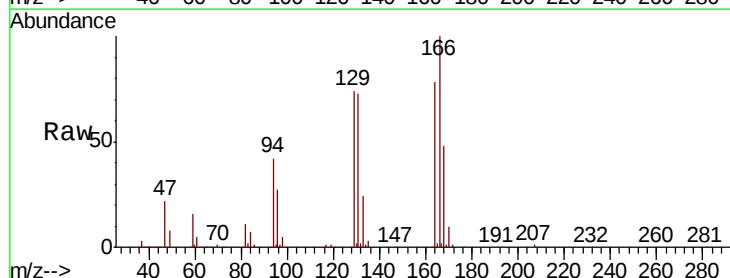
Ion Ratio Lower Upper

164 100

166 128.6 101.5 152.3

129 95.7 78.3 117.5

131 93.6 75.9 113.9

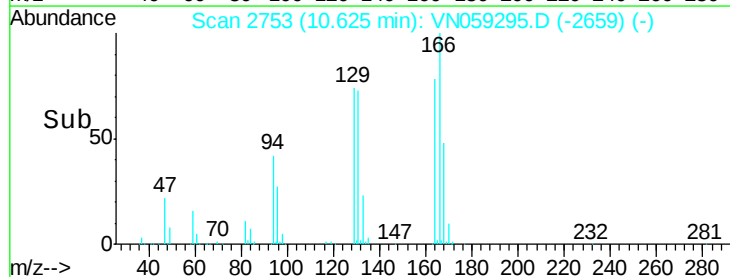
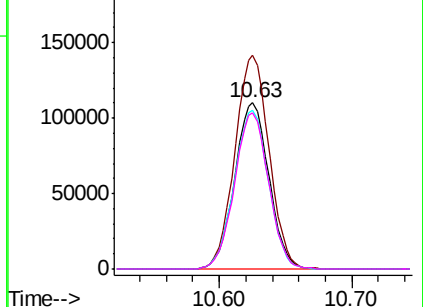


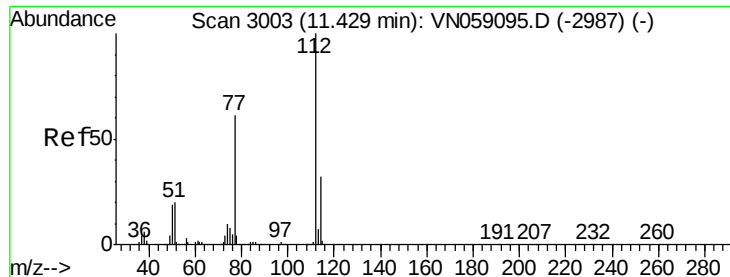
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

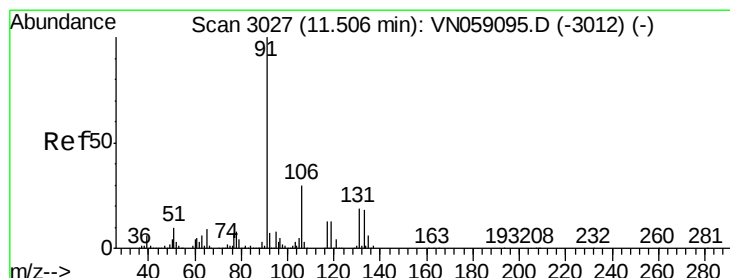
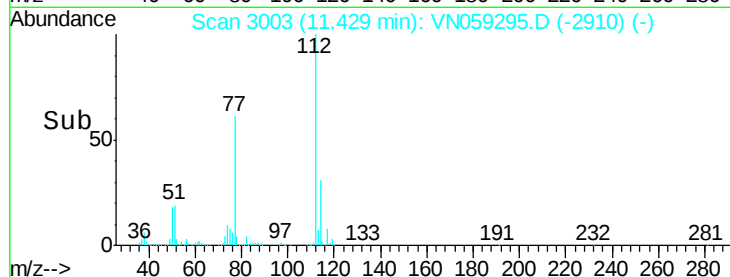
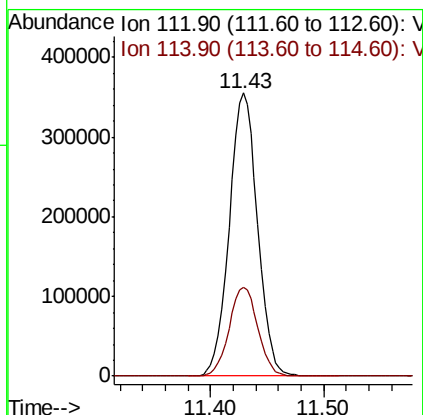
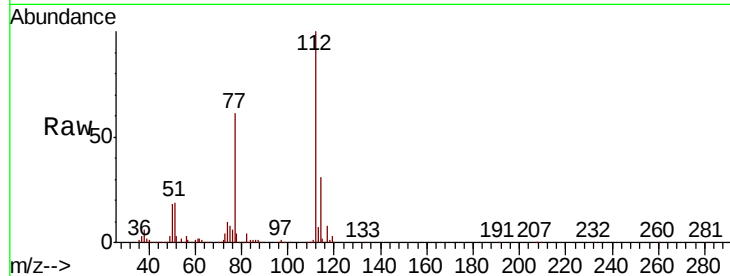




#65
Chlorobenzene
Concen: 56.131 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

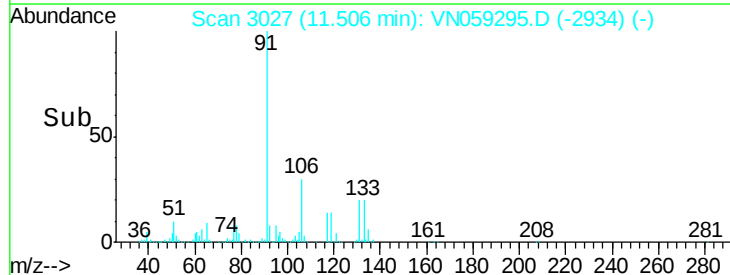
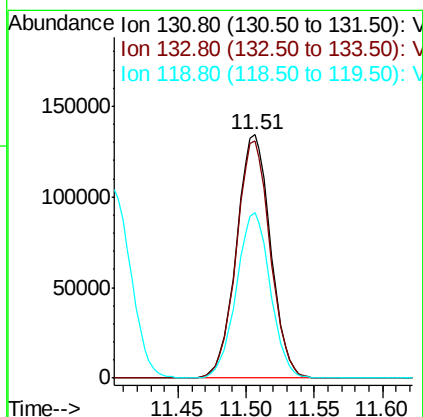
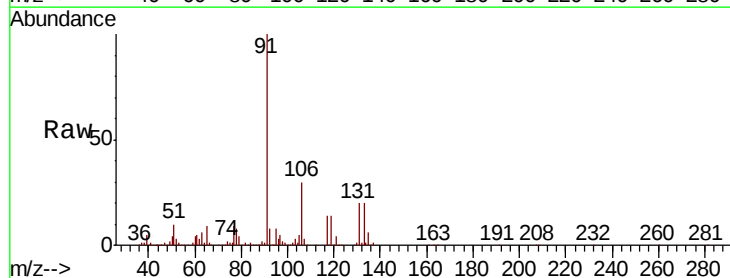
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 614500
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 56.714 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion:131 Resp: 232907
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.3
119 67.7 33.2 99.6





#67

Ethyl Benzene

Concen: 57.457 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

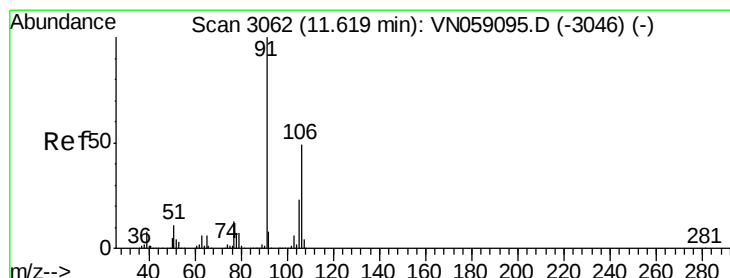
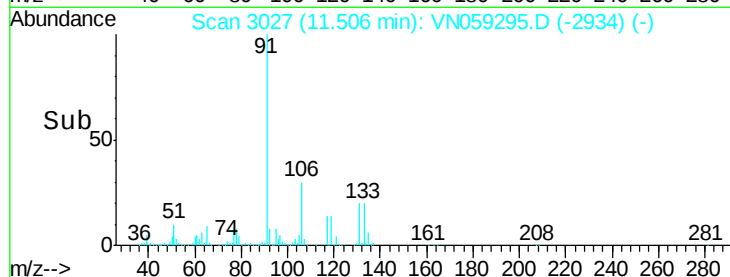
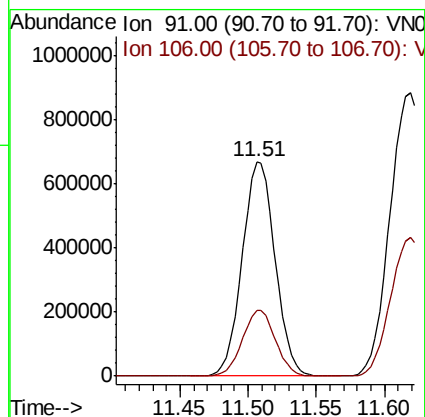
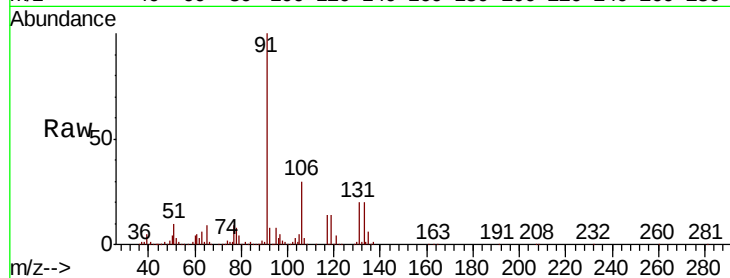
ClientSampleId :

Tot Ion: 91 Resp: 1116013

Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1



#68

m/p-Xylenes

Concen: 113.954 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059295.D

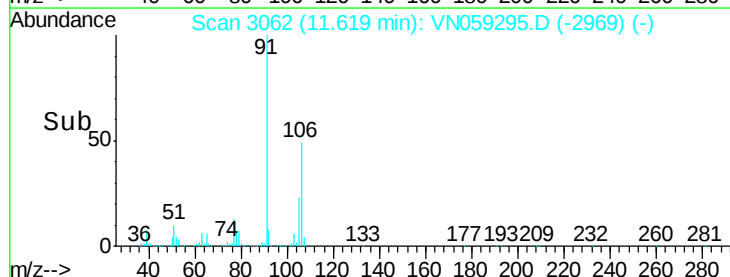
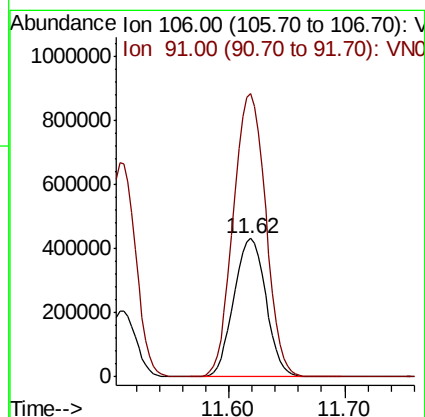
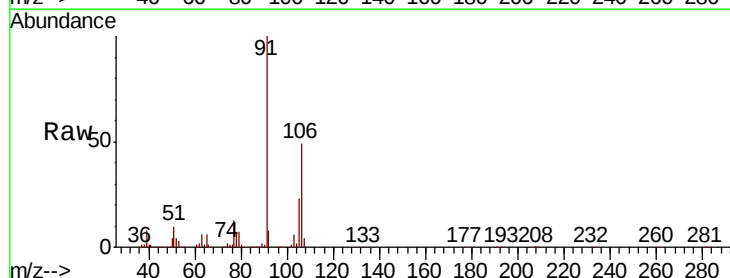
Acq: 18 Nov 2019 19:24

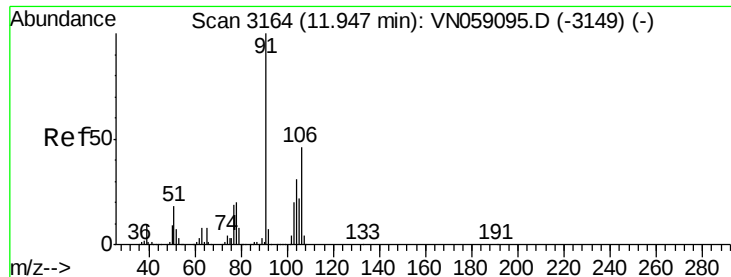
Tgt Ion: 106 Resp: 829104

Ion Ratio Lower Upper

106 100

91 206.7 164.7 247.1

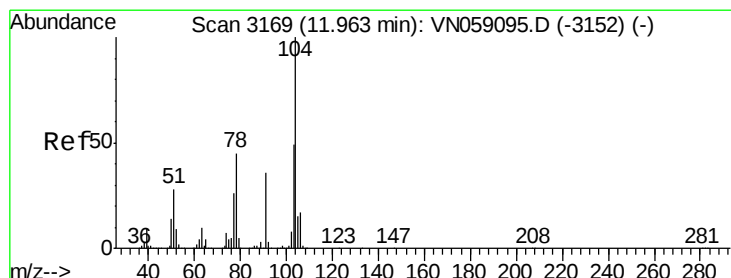
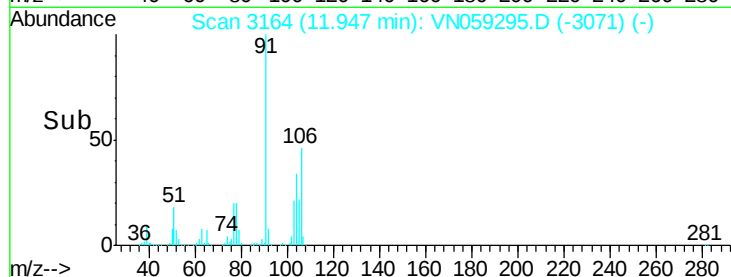
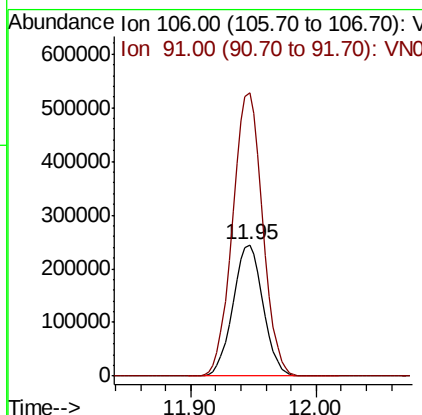
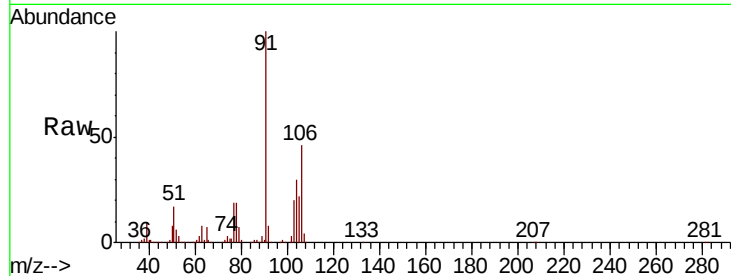




#69
o-Xylene
Concen: 57.823 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

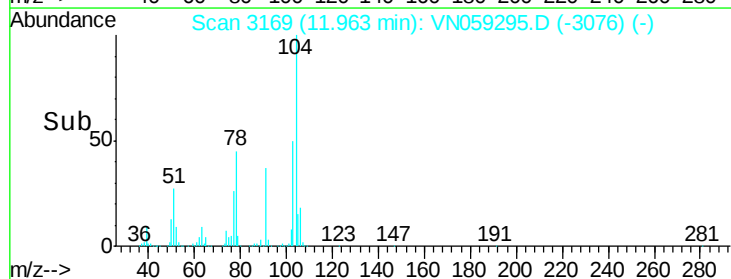
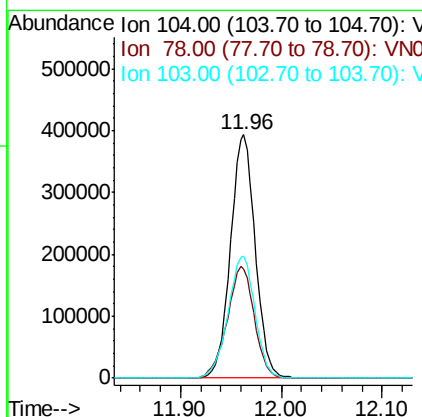
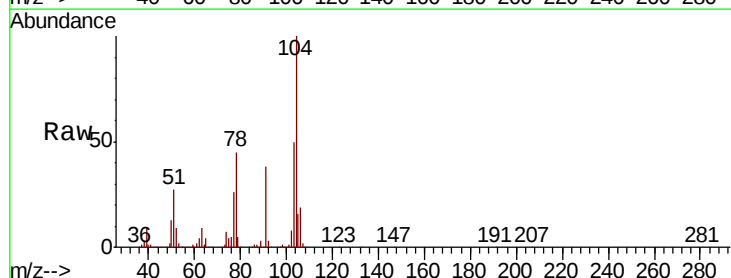
Instrument :
MSVOA_N
ClientSampled :

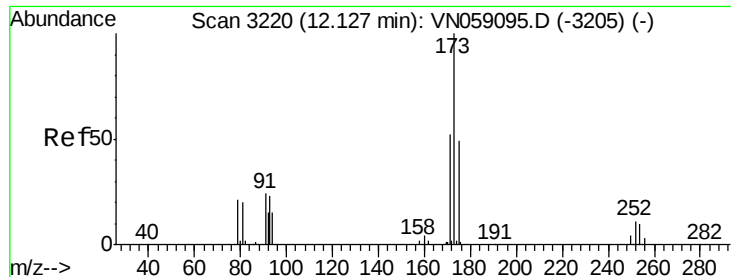
Tot Ion:106 Resp: 406572
Ion Ratio Lower Upper
106 100
91 215.4 110.1 330.3



#70
Styrene
Concen: 60.925 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059295.D
Acq: 18 Nov 2019 19:24

Tgt Ion:104 Resp: 673724
Ion Ratio Lower Upper
104 100
78 50.2 41.2 61.8
103 54.6 43.8 65.6





#71

Bromoform

Concen: 58.684 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

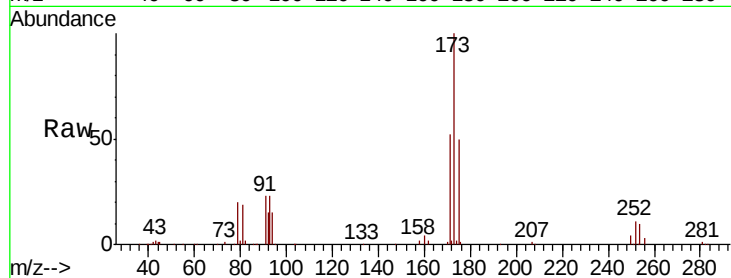
Tot Ion:173 Resp: 187457

Ion Ratio Lower Upper

173 100

175 49.0 24.2 72.6

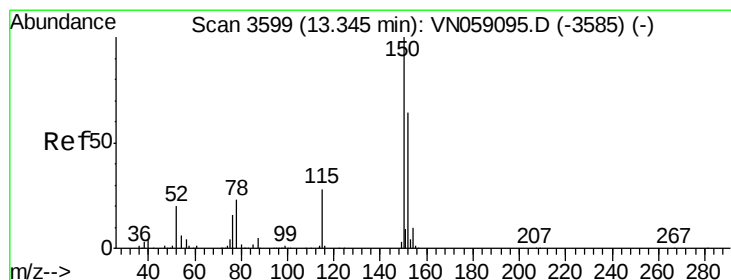
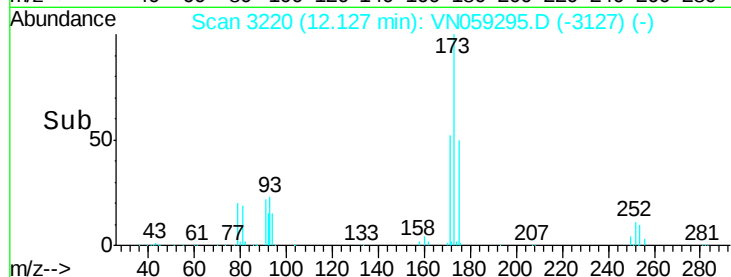
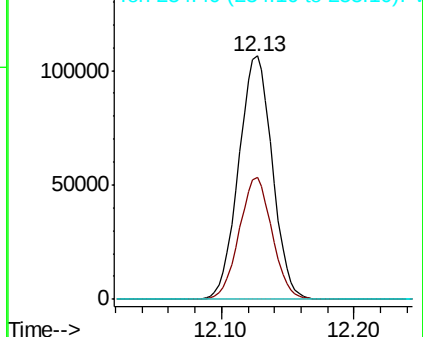
254 0.0 0.1 0.1#



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: VN059295.D

Acq: 18 Nov 2019 19:24

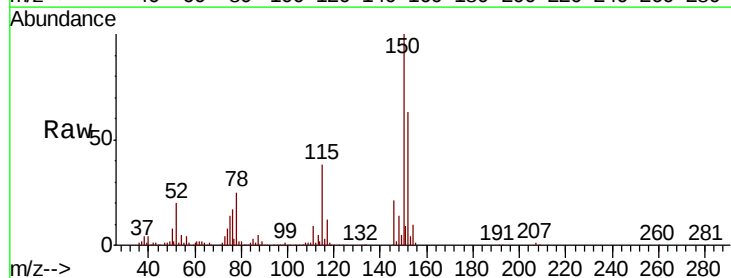
Tgt Ion:152 Resp: 270529

Ion Ratio Lower Upper

152 100

115 60.0 29.4 88.2

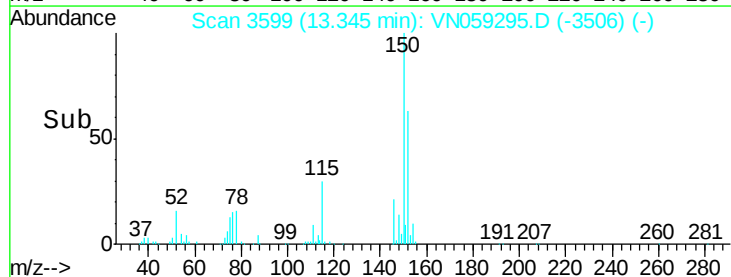
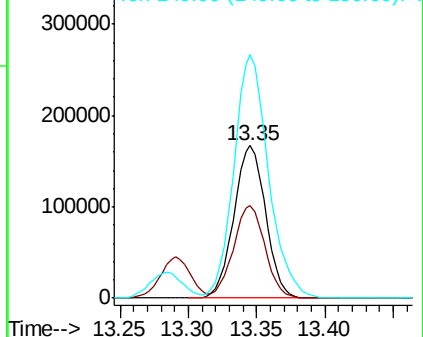
150 173.0 0.0 345.8

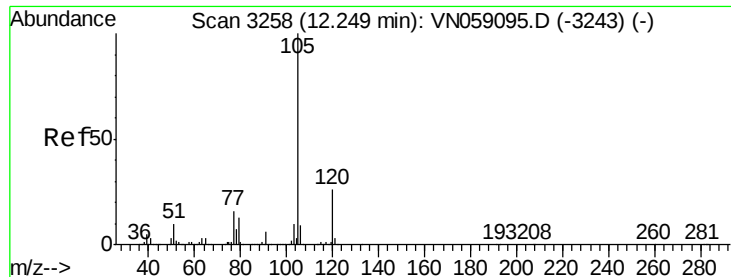


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.570 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

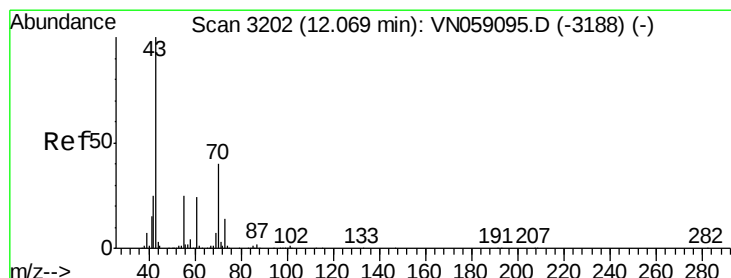
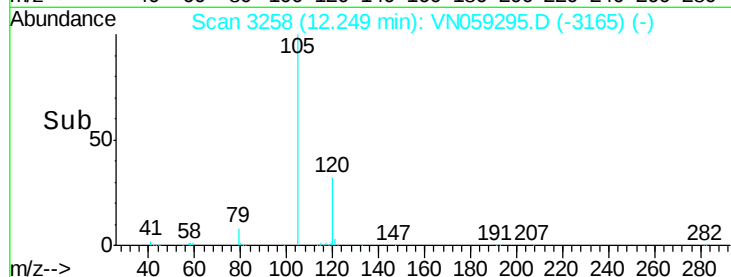
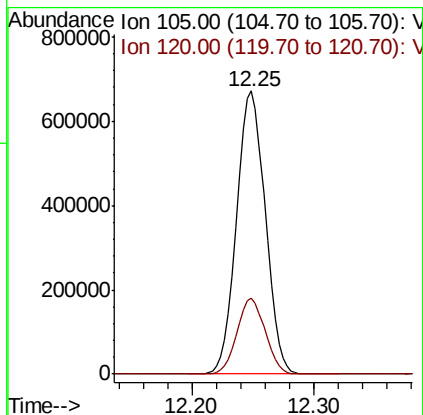
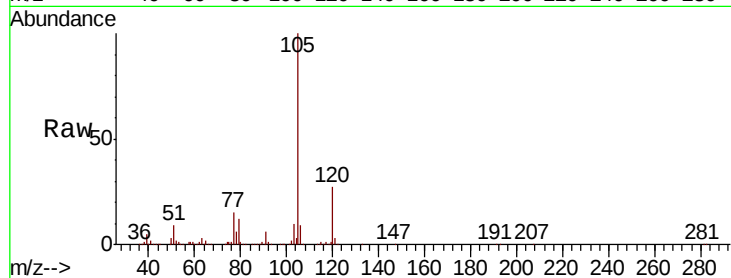
ClientSampleId :

Tot Ion:105 Resp: 1093532

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3



#74

N-ethyl acetate

Concen: 58.090 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Tgt Ion: 43 Resp: 484385

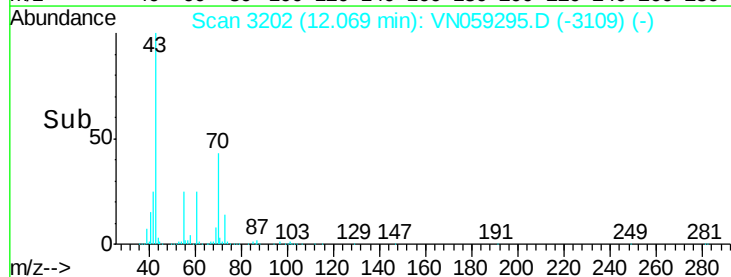
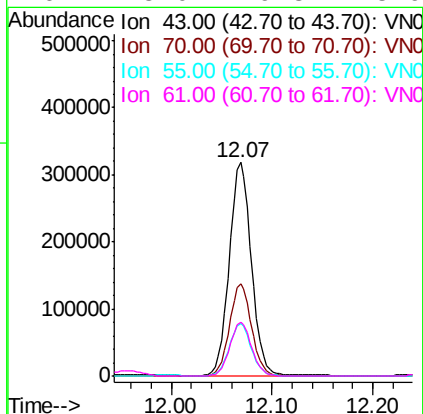
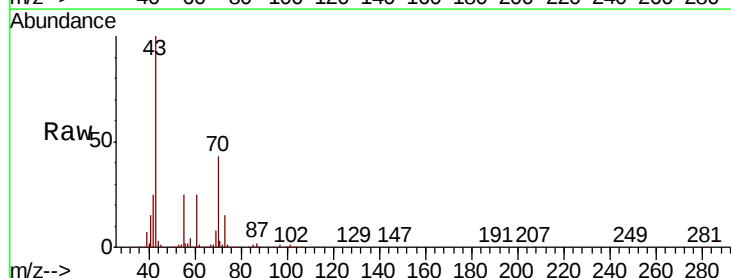
Ion Ratio Lower Upper

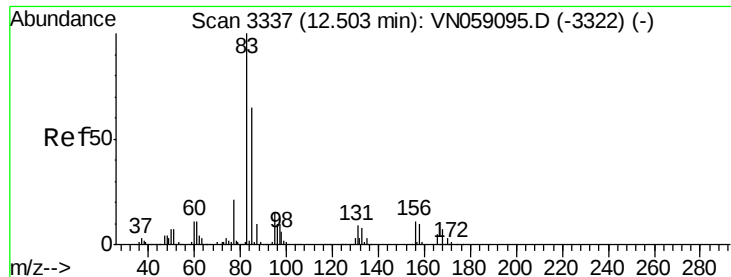
43 100

70 43.4 32.2 48.4

55 24.7 20.4 30.6

61 25.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 55.826 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

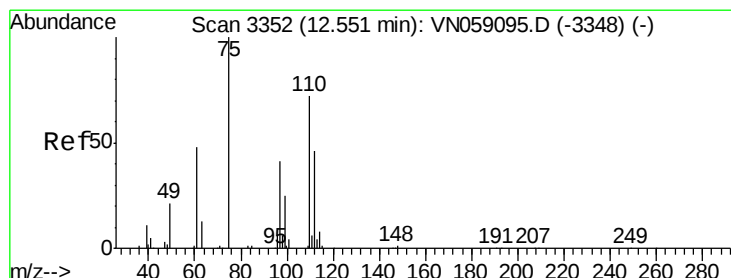
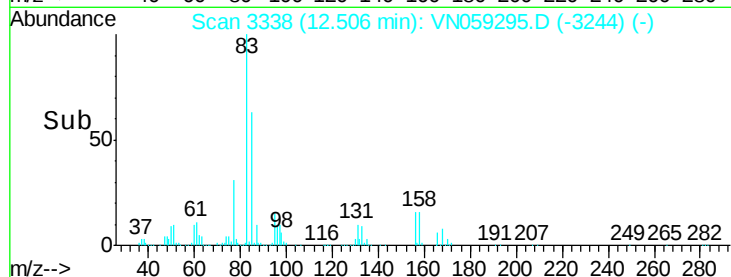
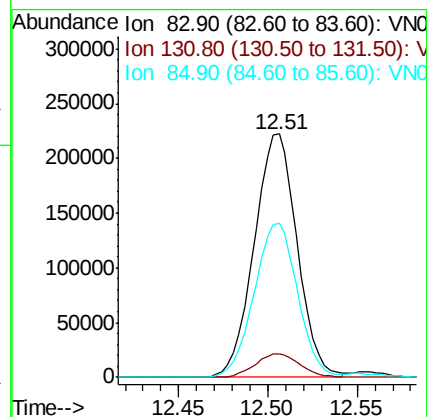
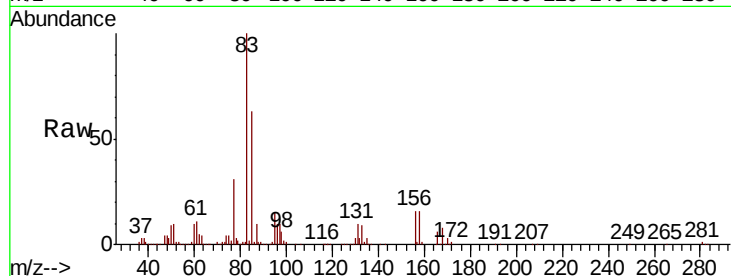
Tot Ion: 83 Resp: 374115

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.6
85	64.0	32.4	97.2

83 100

131 10.1 4.9 14.6

85 64.0 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 80.486 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059295.D

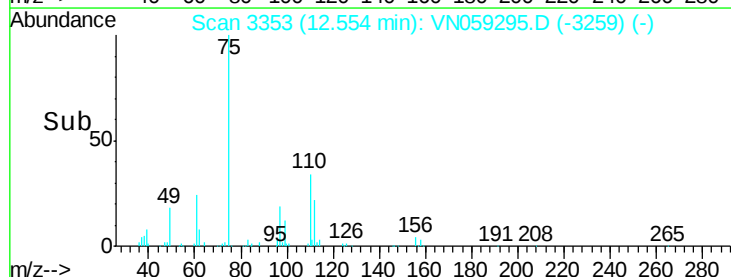
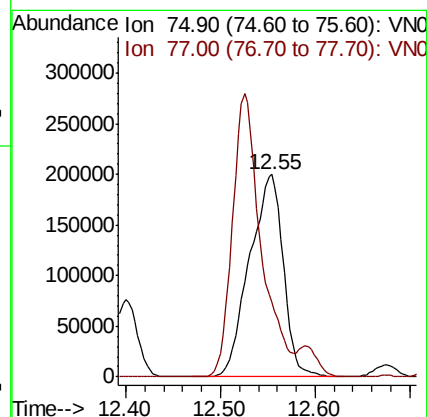
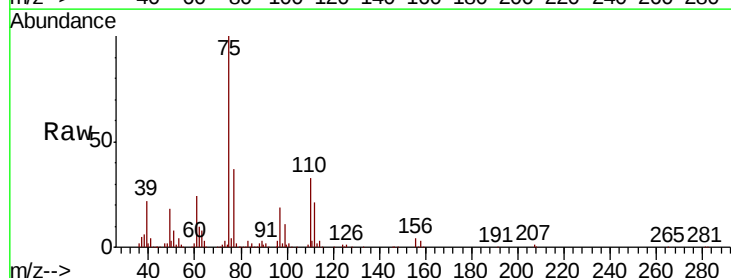
Acq: 18 Nov 2019 19:24

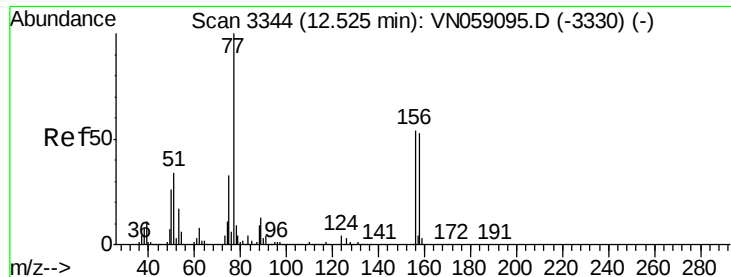
Tgt Ion: 75 Resp: 495719

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.780 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

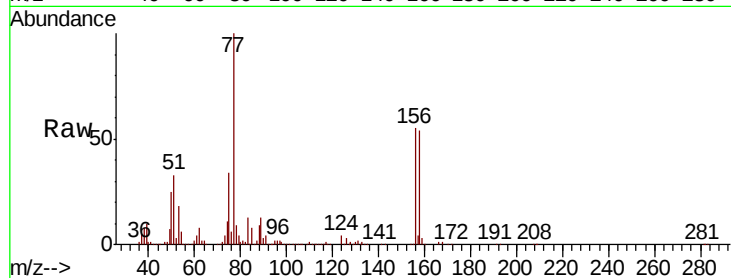
Tot Ion:156 Resp: 260946

Ion Ratio Lower Upper

156 100

77 225.7 112.8 338.3

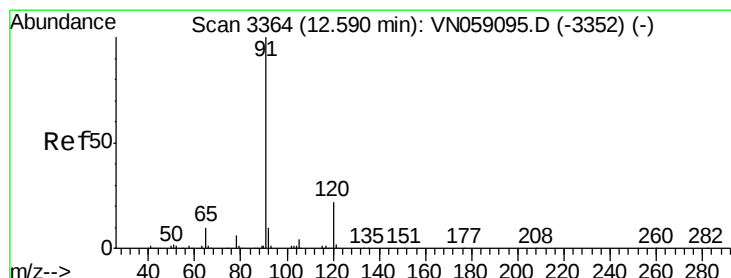
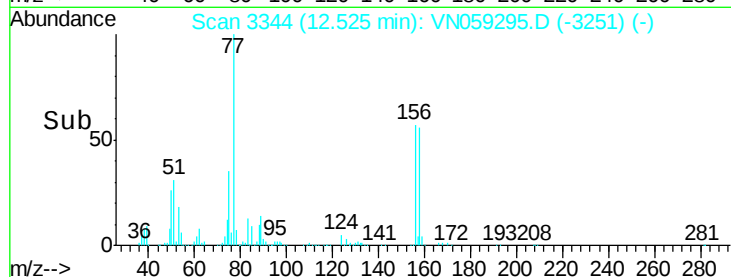
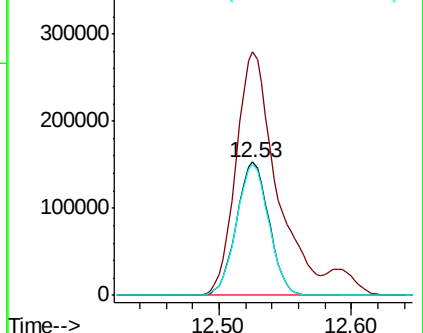
158 98.1 48.4 145.3



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: 56.361 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059295.D

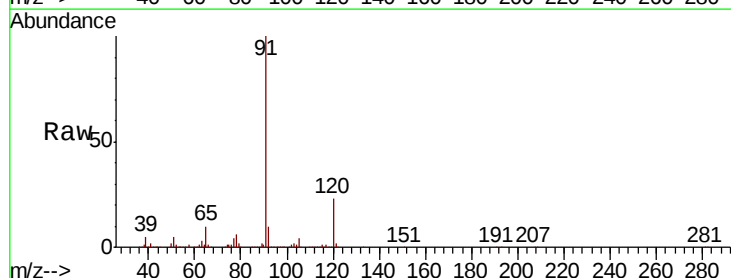
Acq: 18 Nov 2019 19:24

Tgt Ion: 91 Resp: 1269907

Ion Ratio Lower Upper

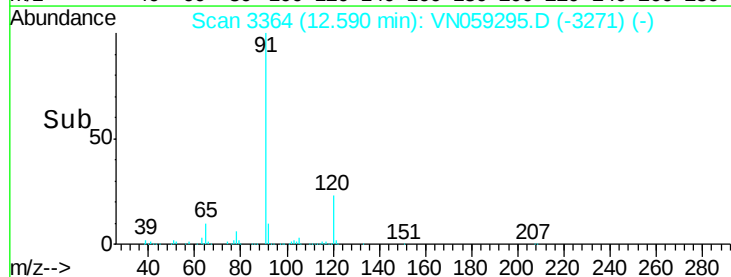
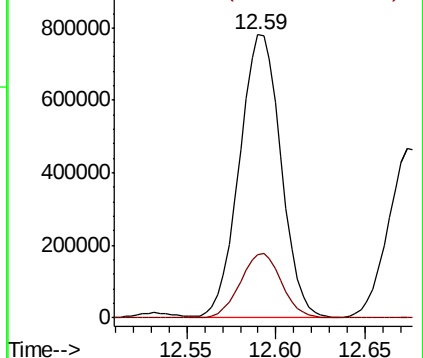
91 100

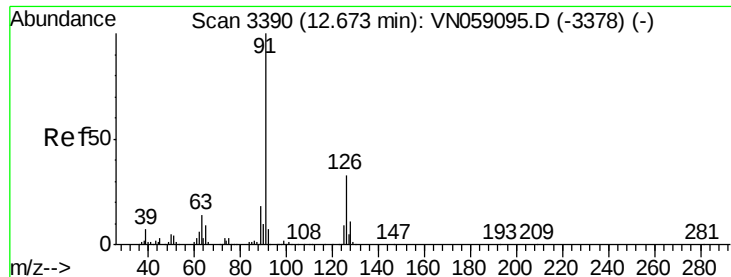
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

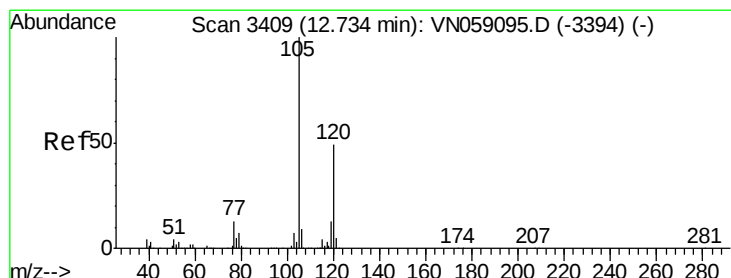
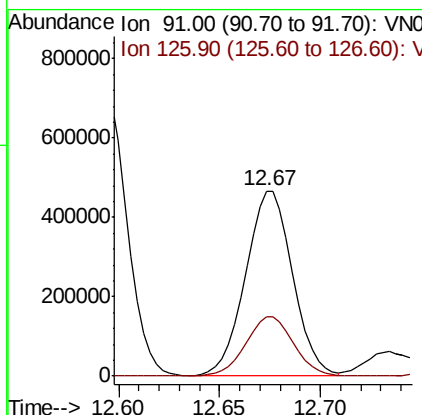
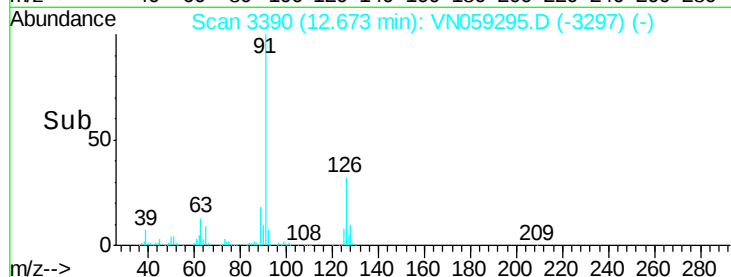
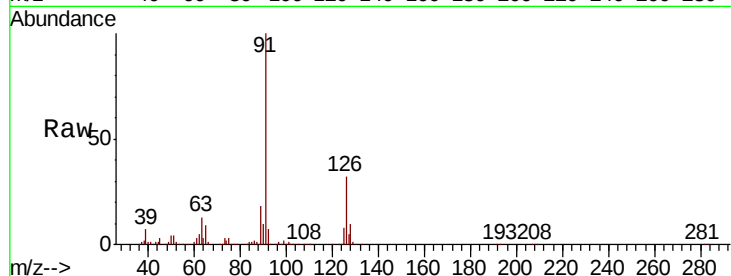




#79
 2-Chlorotoluene
 Concen: 54.678 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

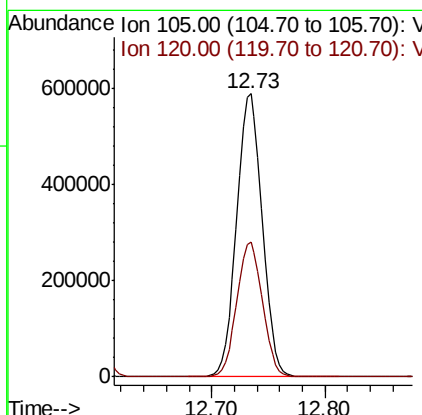
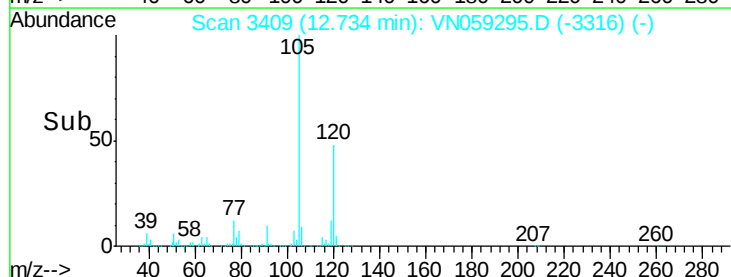
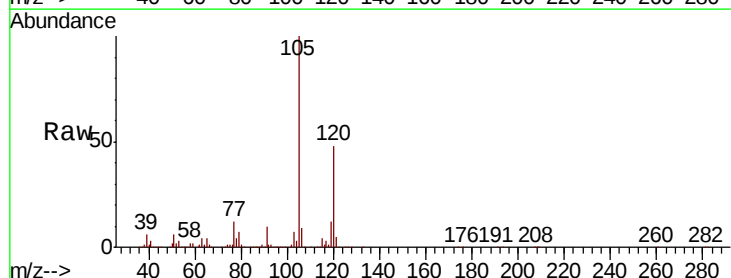
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 91 Resp: 764269
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 55.628 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Tgt Ion: 105 Resp: 927563
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.257 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

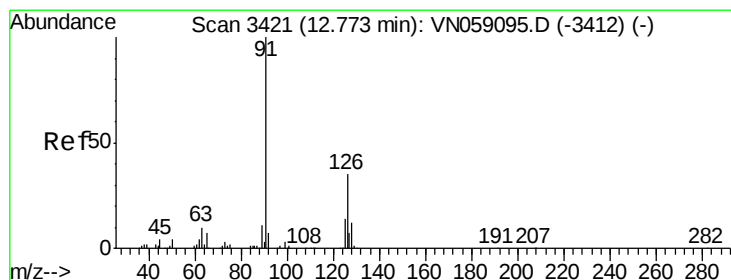
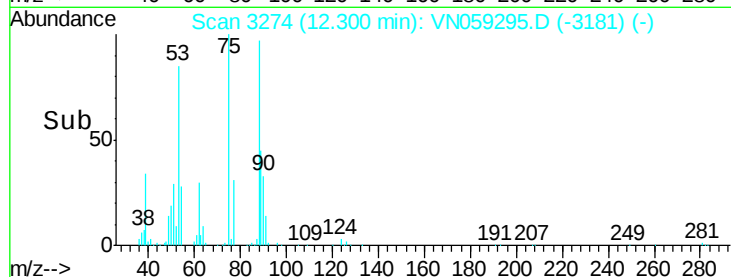
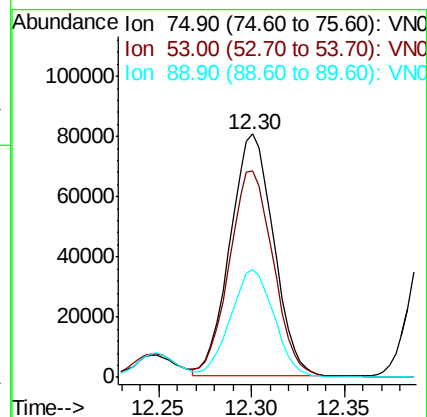
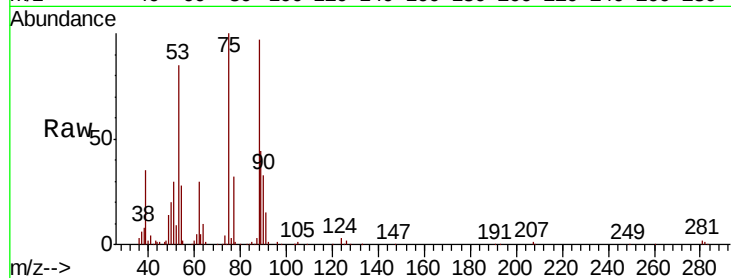
Tot Ion: 75 Resp: 131182

Ion Ratio Lower Upper

75 100

53 86.5 72.2 108.2

89 44.9 35.8 53.8



#82

4-Chlorotoluene

Concen: 55.062 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059295.D

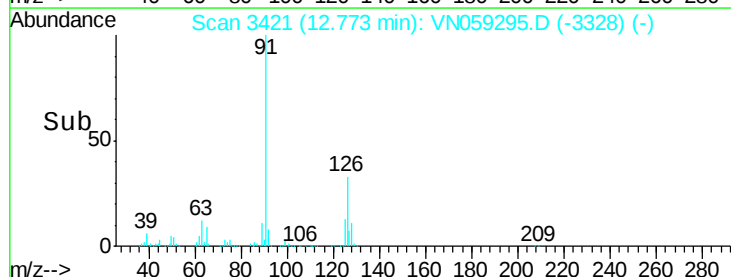
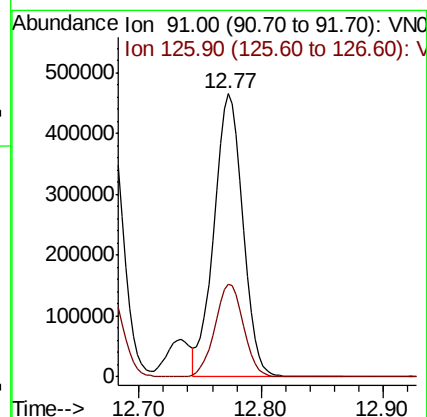
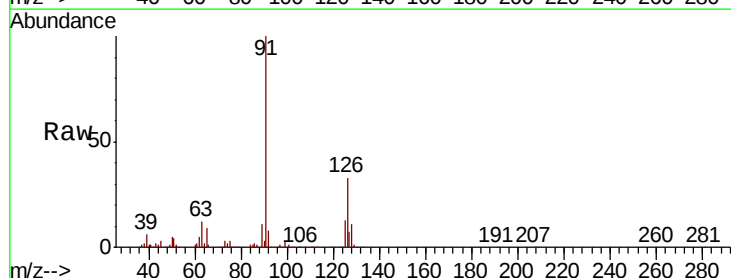
Acq: 18 Nov 2019 19:24

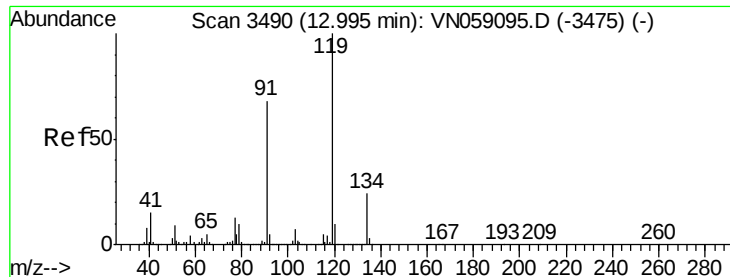
Tgt Ion: 91 Resp: 771930

Ion Ratio Lower Upper

91 100

126 32.6 16.1 48.2

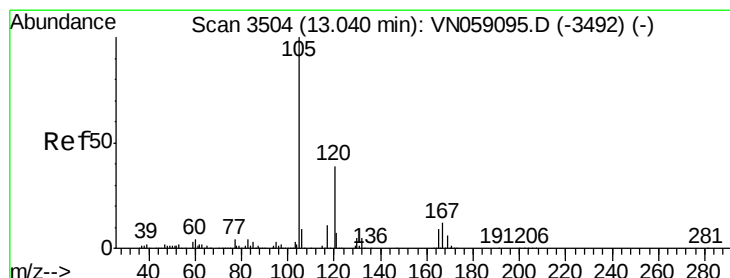
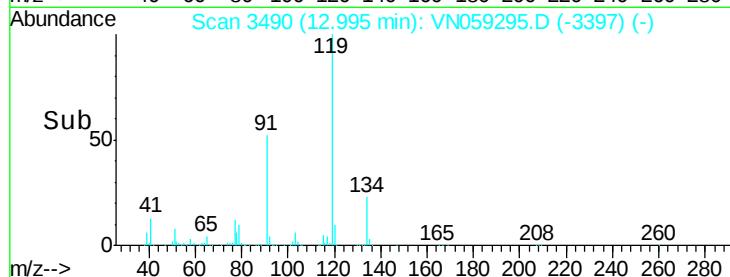
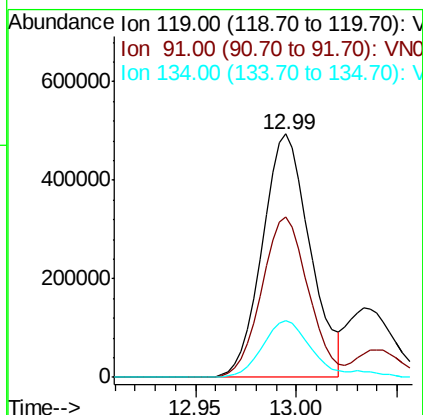
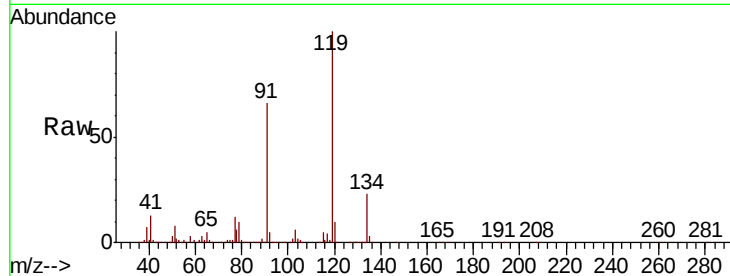




#83
 tert-Butylbenzene
 Concen: 56.453 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

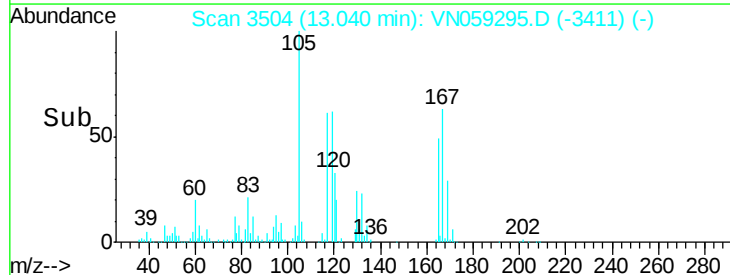
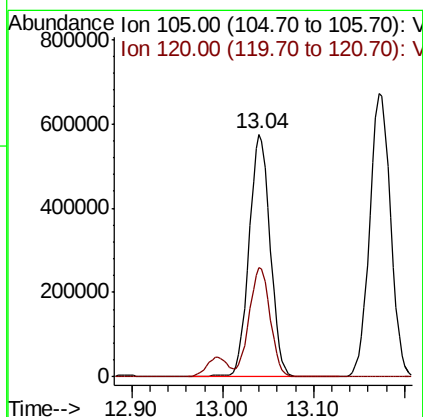
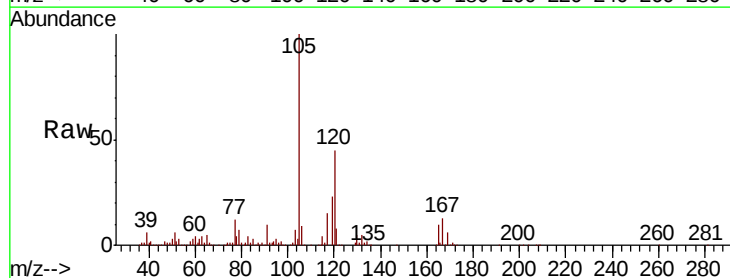
Instrument :
 MSVOA_N
 ClientSampleId :

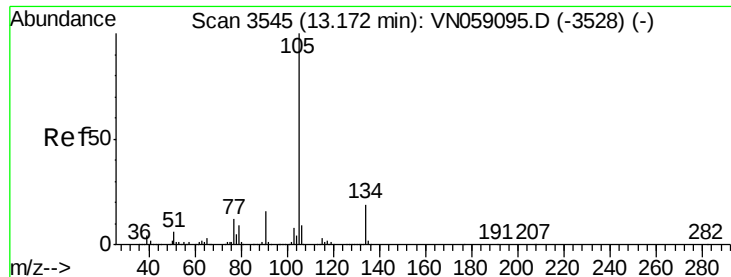
Tot Ion:119 Resp: 812911
 Ion Ratio Lower Upper
 119 100
 91 64.7 33.2 99.6
 134 25.0 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 57.388 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Tgt Ion:105 Resp: 925815
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.8 68.4





#85

sec-Butylbenzene

Concen: 57.079 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

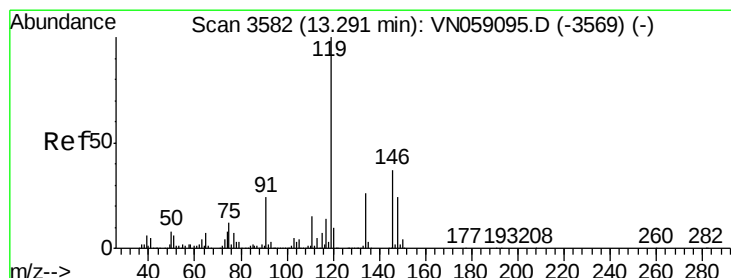
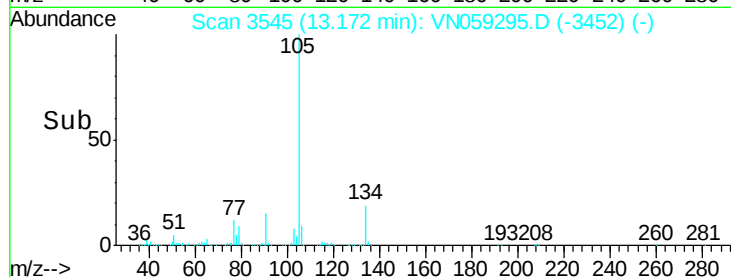
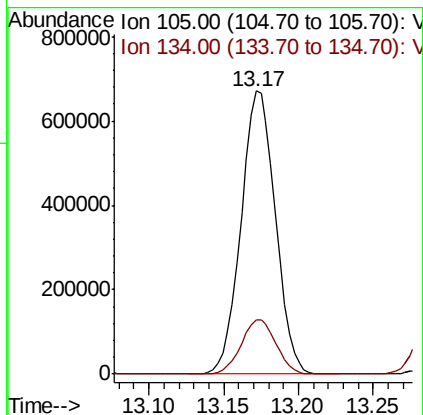
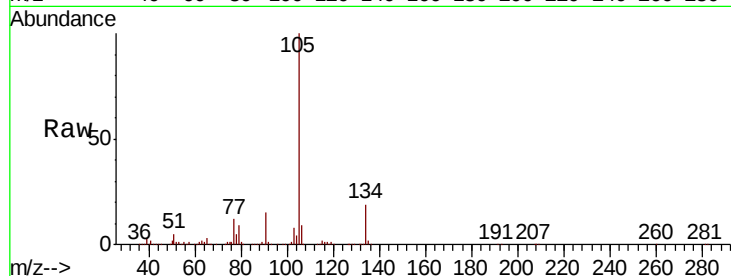
ClientSampleId :

Tot Ion:105 Resp: 1068951

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 58.257 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

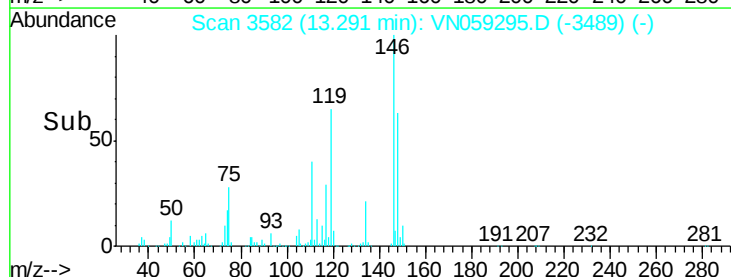
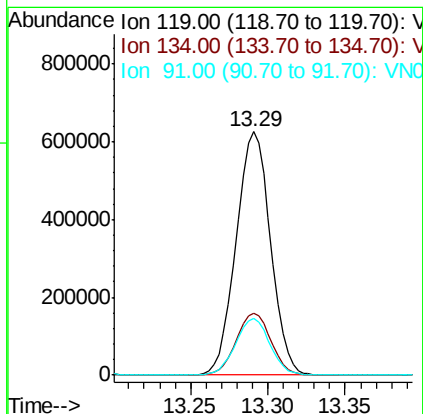
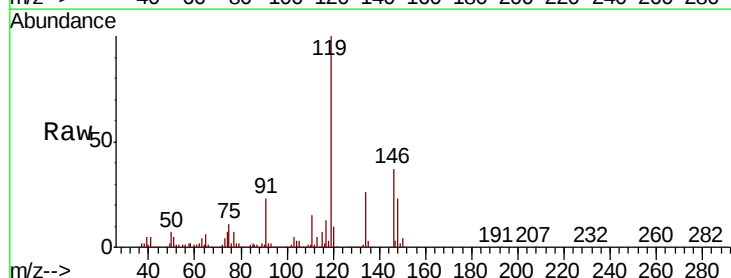
Tgt Ion:119 Resp: 963332

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 54.895 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

ClientSampled :

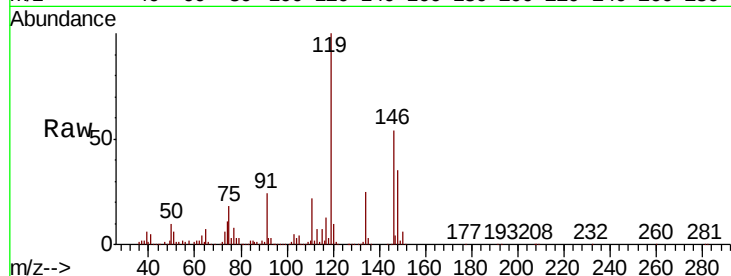
Tot Ion:146 Resp: 464756

Ion Ratio Lower Upper

146 100

111 41.6 20.4 61.3

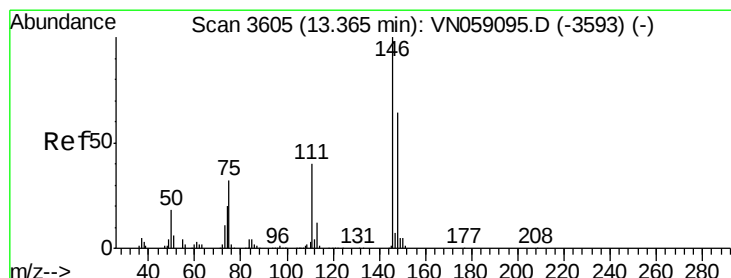
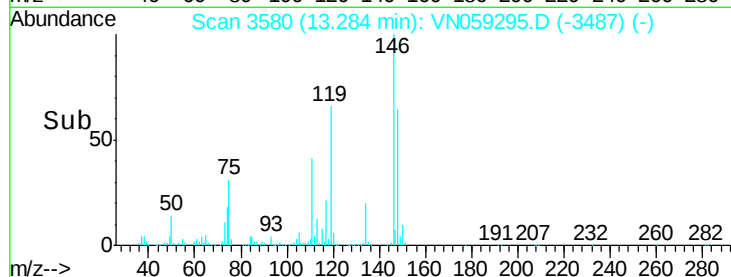
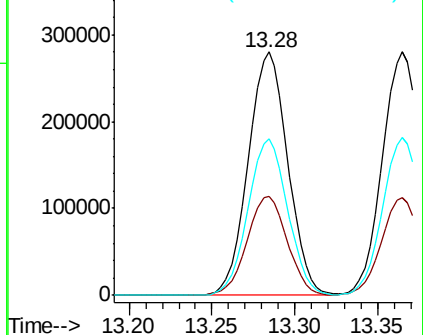
148 64.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 54.406 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

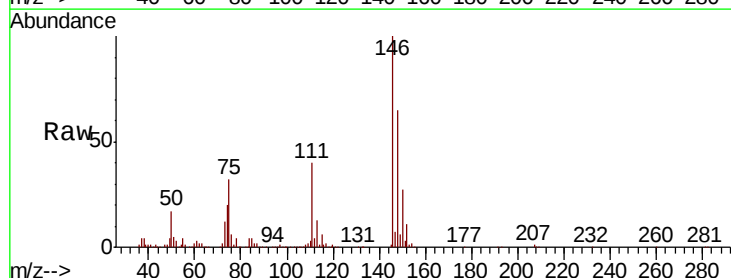
Tgt Ion:146 Resp: 460853

Ion Ratio Lower Upper

146 100

111 40.2 20.3 60.9

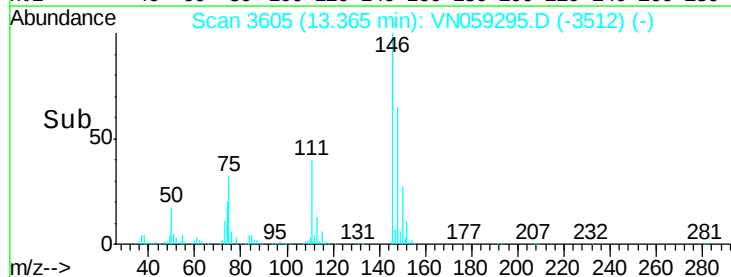
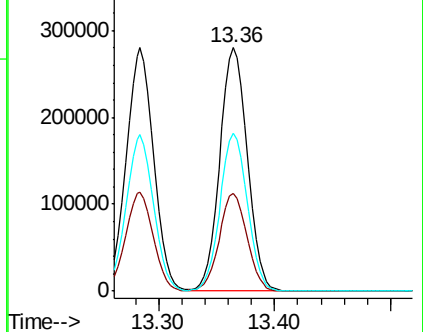
148 64.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 57.650 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

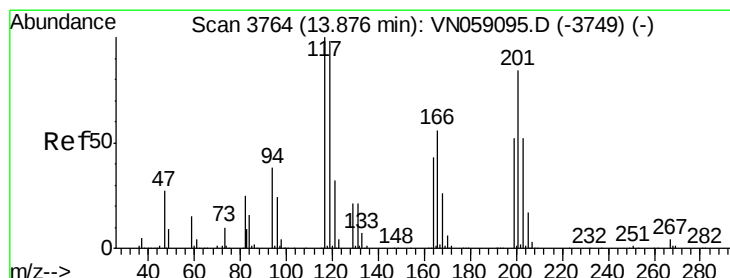
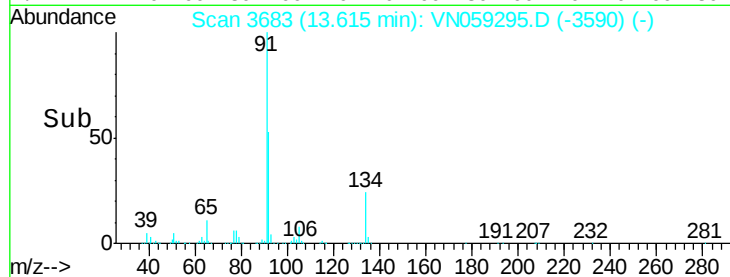
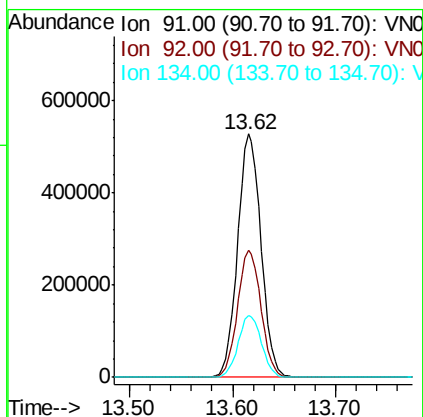
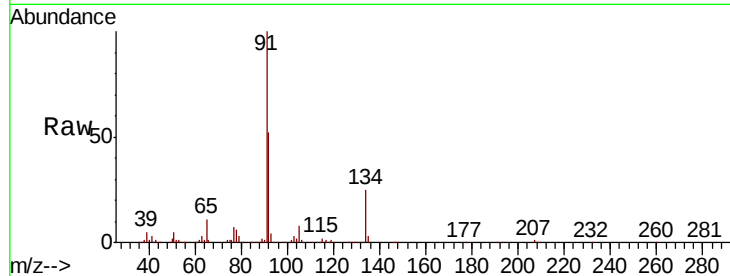
Tot Ion: 91 Resp: 834365

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.3

134 25.5 12.6 37.8



#90

Hexachloroethane

Concen: 52.365 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059295.D

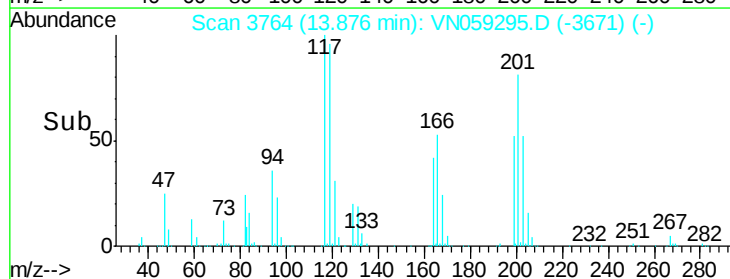
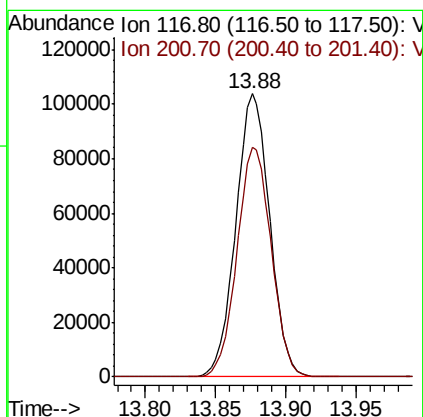
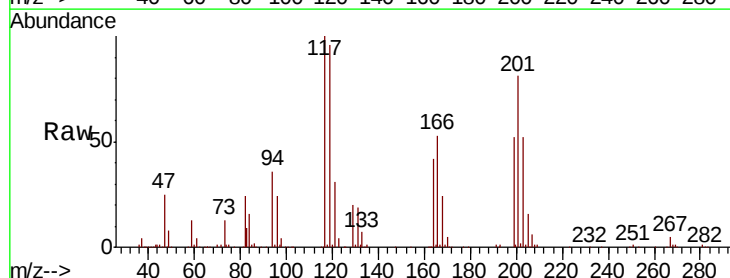
Acq: 18 Nov 2019 19:24

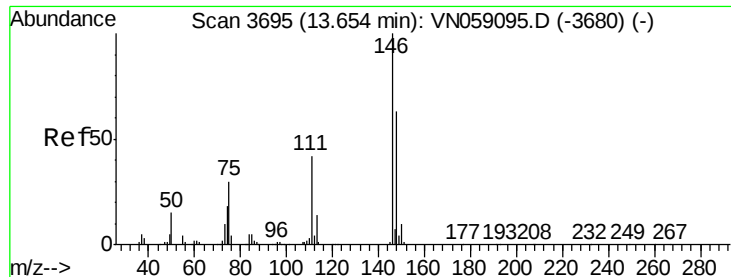
Tgt Ion: 117 Resp: 173873

Ion Ratio Lower Upper

117 100

201 82.3 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 55.636 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

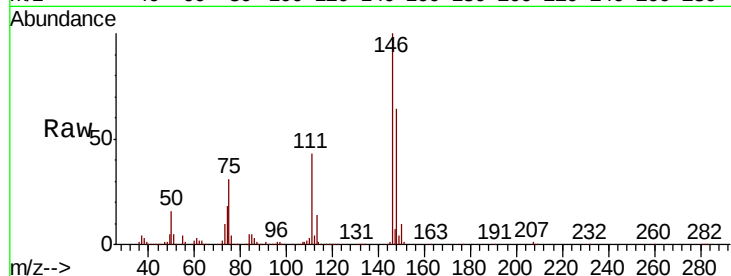
Tot Ion:146 Resp: 463356

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

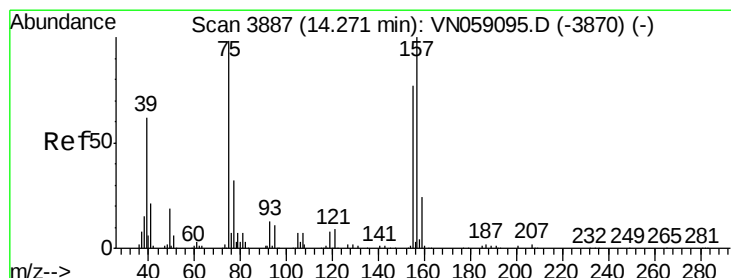
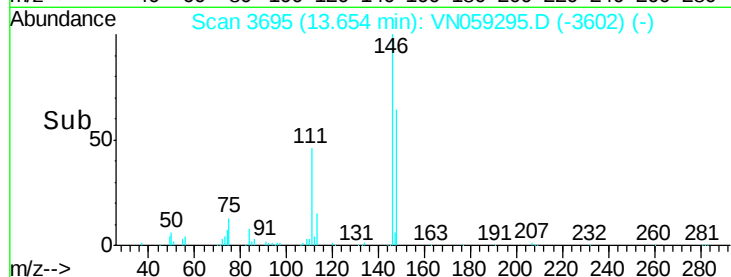
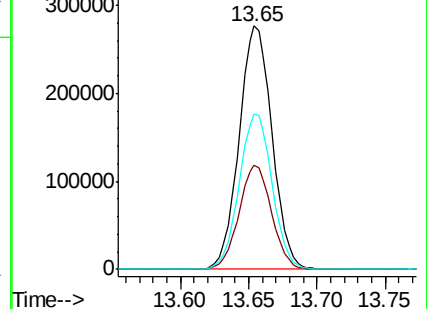
148 63.8 31.6 94.7



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: 57.496 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

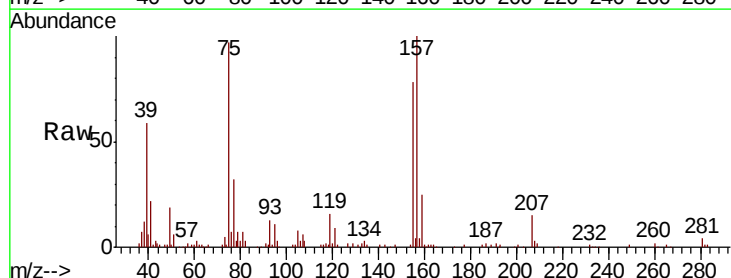
Tgt Ion: 75 Resp: 76877

Ion Ratio Lower Upper

75 100

155 82.1 40.2 120.6

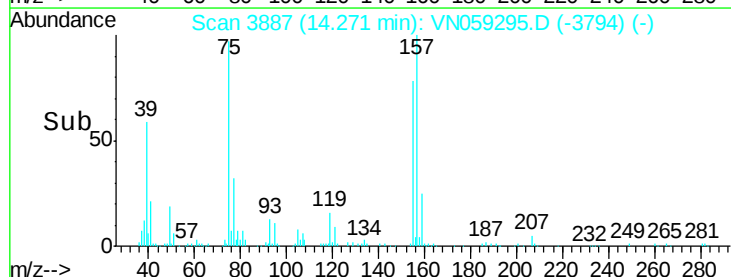
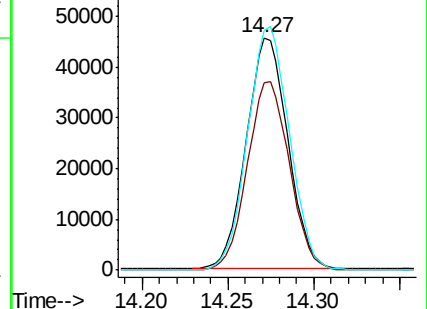
157 105.7 51.8 155.5

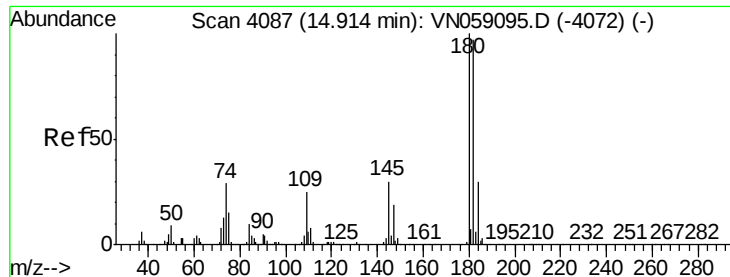


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

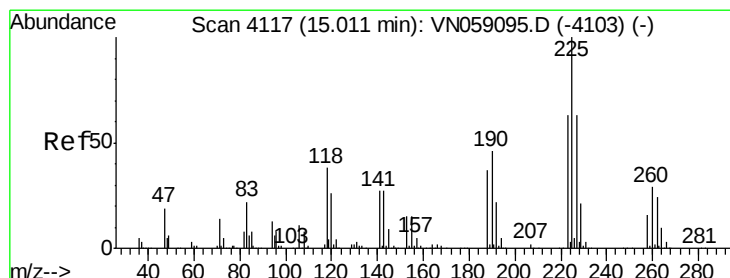
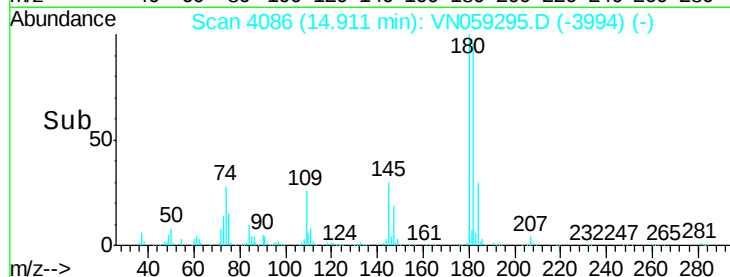
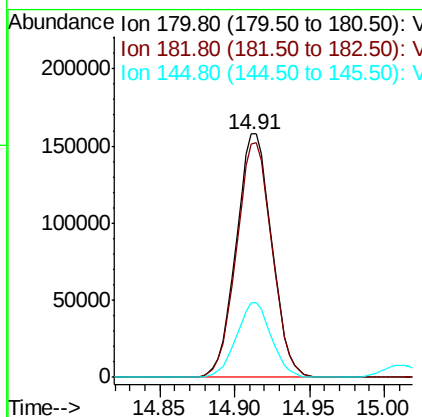
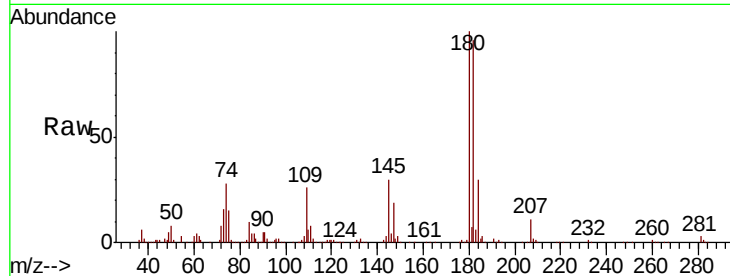




#93
 1,2,4-Trichlorobenzene
 Concen: 51.594 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

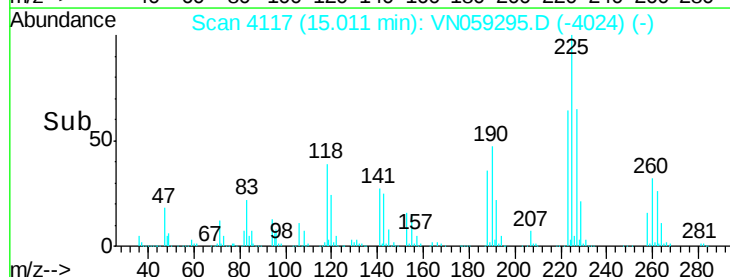
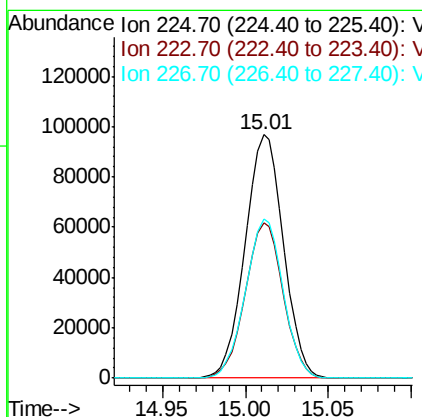
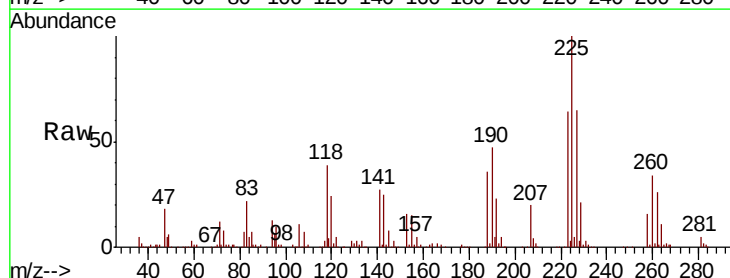
Instrument :
 MSVOA_N
 ClientSampleId :

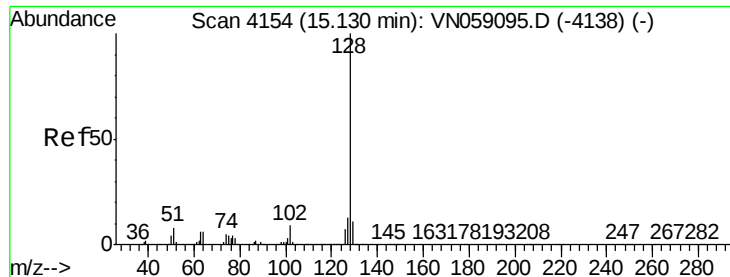
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.3
145	30.3	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 54.008 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059295.D
 Acq: 18 Nov 2019 19:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.9
227	64.3	31.5	94.5





#95

Naphthalene

Concen: 53.587 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA_N

ClientSampleId :

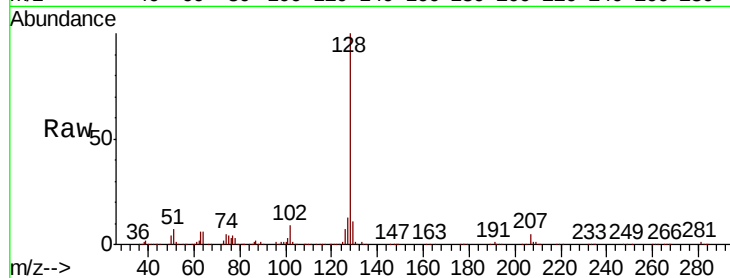
Tot Ion:128 Resp: 754483

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

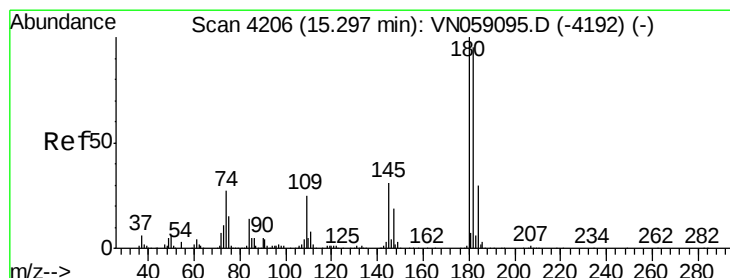
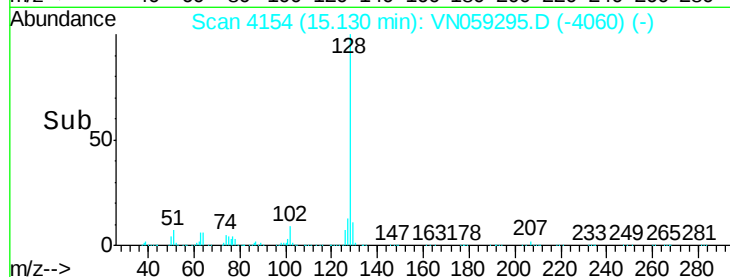
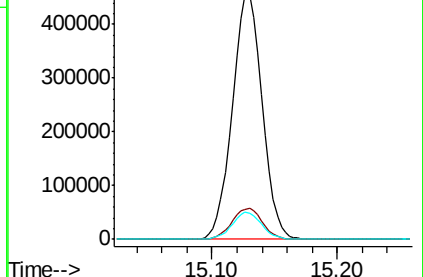
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.892 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

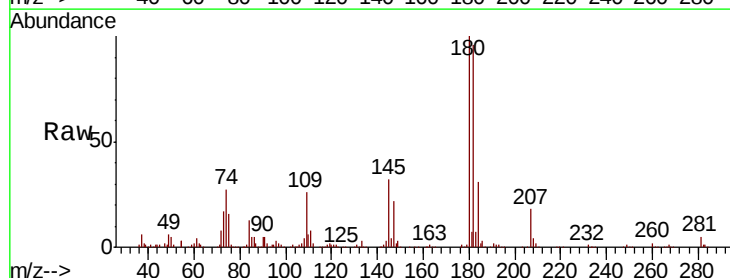
Tgt Ion:180 Resp: 260869

Ion Ratio Lower Upper

180 100

182 95.4 47.3 141.8

145 32.1 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

