

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059285.D
 Acq On : 18 Nov 2019 15:44
 Operator : JC/SP
 Sample : VN1118WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:47:35 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	7.65	168	438864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	697271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	619838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281366	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	247693	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	
35) Dibromofluoromethane	7.57	113	203764	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	10.08	98	754212	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	12.40	95	278282	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	73785	16.687	ug/l	100
3) Chloromethane	2.04	50	96992	16.137	ug/l	98
4) Vinyl Chloride	2.17	62	101806	17.470	ug/l	100
5) Bromomethane	2.55	94	57322	17.093	ug/l	97
6) Chloroethane	2.68	64	62822	18.224	ug/l	100
7) Trichlorofluoromethane	3.00	101	132270	18.976	ug/l	98
8) Diethyl Ether	3.39	74	59696	21.078	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	82249	19.571	ug/l	98
10) Methyl Iodide	3.93	142	75510	14.516	ug/l	97
11) Tert butyl alcohol	4.75	59	106469	103.556	ug/l	98
12) 1,1-Dichloroethene	3.72	96	79983	19.537	ug/l	97
13) Acrolein	3.58	56	46109	86.985	ug/l	97
14) Allyl chloride	4.30	41	159613	18.980	ug/l	94
15) Acrylonitrile	4.95	53	282990	110.601	ug/l	100
16) Acetone	3.79	43	228263	81.366	ug/l	98
17) Carbon Disulfide	4.03	76	213974	16.837	ug/l	98
18) Methyl Acetate	4.30	43	149898	22.511	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	304972	21.637	ug/l	99
20) Methylene Chloride	4.53	84	97550	19.959	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	85242	19.398	ug/l	92
22) Diisopropyl ether	5.93	45	328033	20.652	ug/l	98
23) Vinyl Acetate	5.87	43	1358866	110.382	ug/l	99
24) 1,1-Dichloroethane	5.82	63	180046	20.294	ug/l	99
25) 2-Butanone	6.81	43	367005	99.262	ug/l	98
26) 2,2-Dichloropropane	6.80	77	150951	19.459	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	104912	20.578	ug/l	98
28) Bromochloromethane	7.18	49	49750	18.639	ug/l	97
29) Tetrahydrofuran	7.19	42	251461	107.037	ug/l	98
30) Chloroform	7.35	83	179611	21.105	ug/l	99
31) Cyclohexane	7.63	56	151824	18.077	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	145586	20.347	ug/l	99
36) 1,1-Dichloropropene	7.77	75	126556	19.418	ug/l	99
37) Ethyl Acetate	6.90	43	147987	20.411	ug/l	96
38) Carbon Tetrachloride	7.75	117	124842	19.245	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	142699	18.865	ug/l	99
40) Benzene	8.02	78	393495	20.049	ug/l	99
41) Methacrylonitrile	7.18	41	214365	67.992	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	134069	19.917	ug/l	99
43) Isopropyl Acetate	8.15	43	237219	20.522	ug/l	98
44) Trichloroethene	8.82	130	97268	20.161	ug/l	98
45) 1,2-Dichloropropane	9.10	63	109317	20.506	ug/l	100
46) Dibromomethane	9.19	93	65379	19.681	ug/l	98
47) Bromodichloromethane	9.39	83	136021	20.506	ug/l	99
48) Methyl methacrylate	9.18	41	103540	20.026	ug/l	96
49) 1,4-Dioxane	9.18	88	32347	352.040	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	758071	115.906	ug/l	99
52) Toluene	10.15	92	239252	20.339	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	156447	20.414	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	169903	20.610	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	99468	20.893	ug/l	99
56) Ethyl methacrylate	10.42	69	150457	20.112	ug/l	98
57) 1,3-Dichloropropane	10.70	76	171780	20.965	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	286168	108.009	ug/l	99
59) 2-Hexanone	10.74	43	543972	108.359	ug/l	99
60) Dibromochloromethane	10.90	129	105108	20.882	ug/l	99
61) 1,2-Dibromoethane	11.00	107	99307	20.606	ug/l	98
64) Tetrachloroethene	10.63	164	84375	20.019	ug/l	98
65) Chlorobenzene	11.43	112	253288	20.962	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	97344	21.476	ug/l	99
67) Ethyl Benzene	11.51	91	457961	21.362	ug/l	99
68) m/p-Xylenes	11.62	106	338906	42.203	ug/l	99
69) o-Xylene	11.95	106	164489	21.195	ug/l	99
70) Styrene	11.96	104	258107	21.147	ug/l	99
71) Bromoform	12.13	173	75159	21.318	ug/l #	99
73) Isopropylbenzene	12.25	105	443962	21.692	ug/l	99
74) N-amyl acetate	12.07	43	182675	21.064	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	154036	22.100	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	201551	31.464	ug/l #	100
77) Bromobenzene	12.53	156	106917	20.793	ug/l	99
78) n-propylbenzene	12.59	91	502161	21.428	ug/l	99
79) 2-Chlorotoluene	12.67	91	304084	20.917	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	368318	21.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49887	20.570	ug/l	99
82) 4-Chlorotoluene	12.77	91	306447	21.017	ug/l	99
83) tert-Butylbenzene	12.99	119	325018	21.702	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	369793	22.039	ug/l	98
85) sec-Butylbenzene	13.17	105	426648	21.904	ug/l	99
86) p-Isopropyltoluene	13.29	119	375219	21.817	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	186616	21.193	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	180734	20.515	ug/l	99
89) n-Butylbenzene	13.62	91	313857	20.851	ug/l	99
90) Hexachloroethane	13.88	117	69430	20.105	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	186383	21.517	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30445	21.909	ug/l	99

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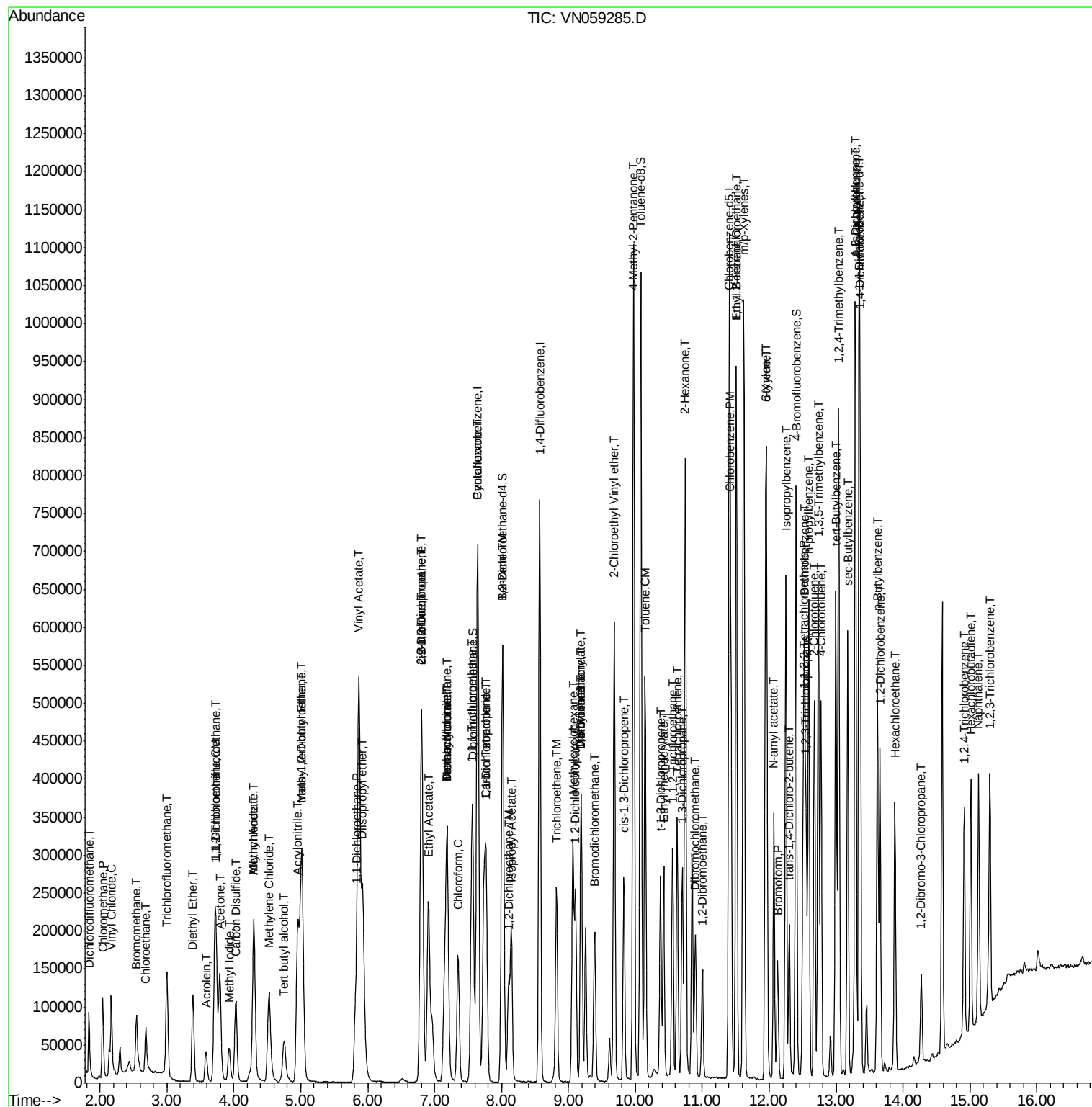
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98915	20.721	ug/l	98
94) Hexachlorobutadiene	15.01	225	64291	21.526	ug/l	99
95) Naphthalene	15.13	128	266942	20.238	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	98296	20.249	ug/l	97

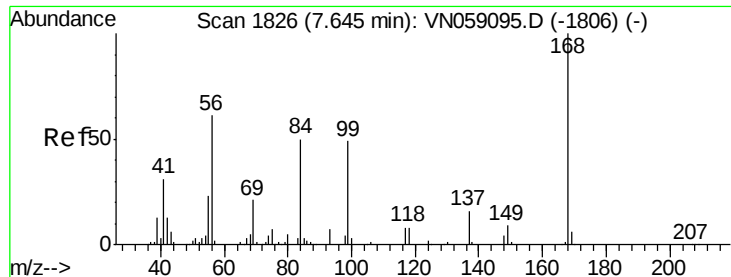
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

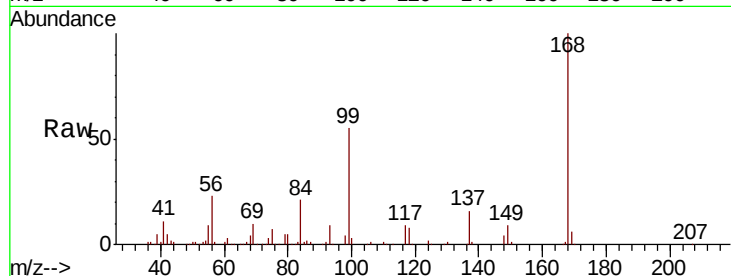
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 438864

Ion Ratio Lower Upper

168 100

99 54.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

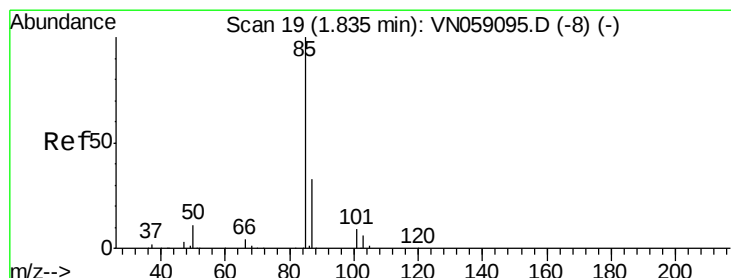
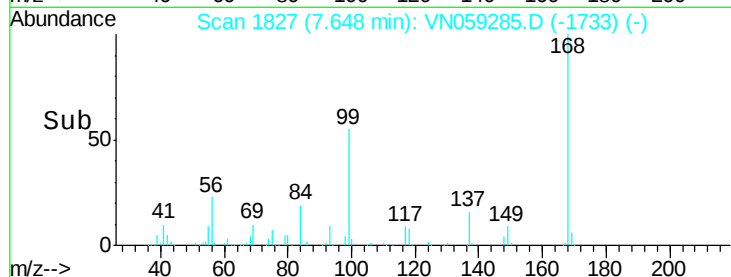
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 16.687 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059285.D

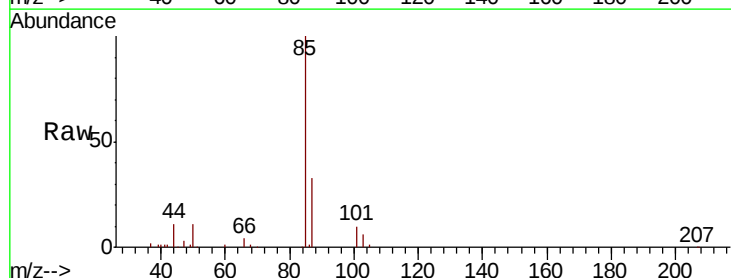
Acq: 18 Nov 2019 15:44

Tgt Ion: 85 Resp: 73785

Ion Ratio Lower Upper

85 100

87 32.5 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

50000

40000

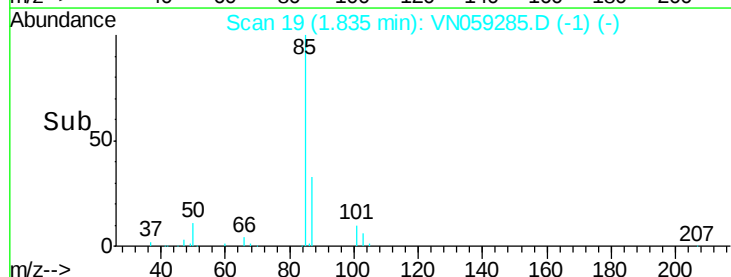
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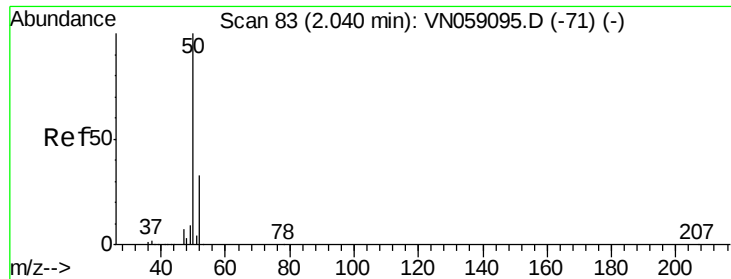
20000

10000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 16.137 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

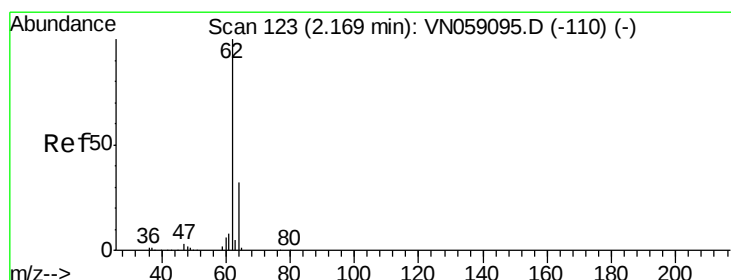
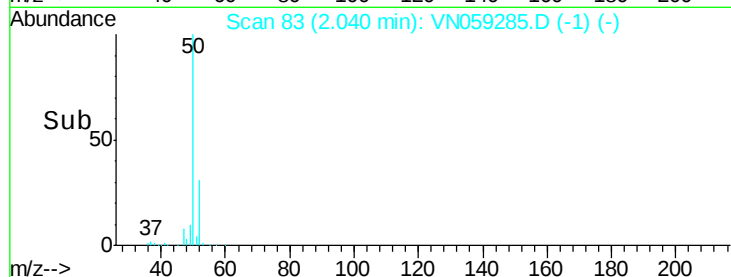
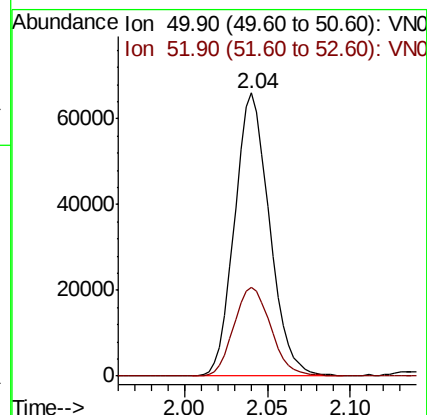
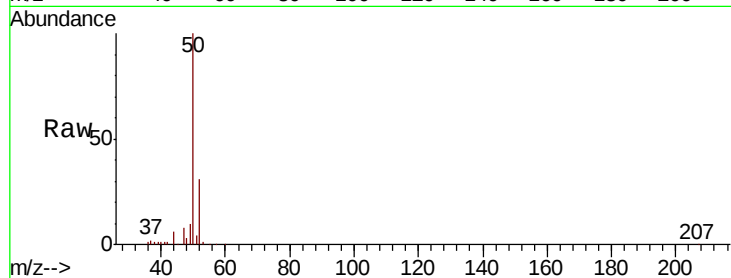
ClientSampled :

Tot Ion: 50 Resp: 96992

Ion Ratio Lower Upper

50 100

52 31.5 26.0 39.0



#4

Vinyl Chloride

Concen: 17.470 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059285.D

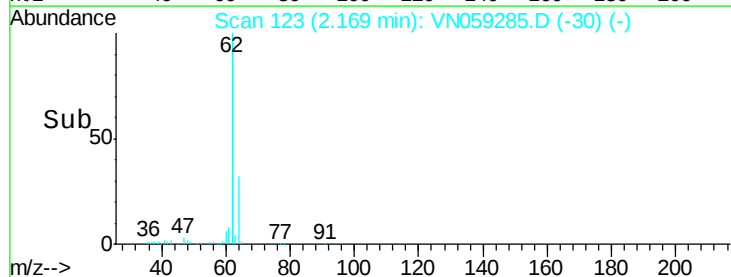
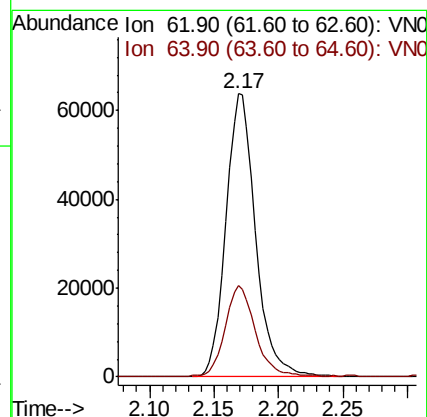
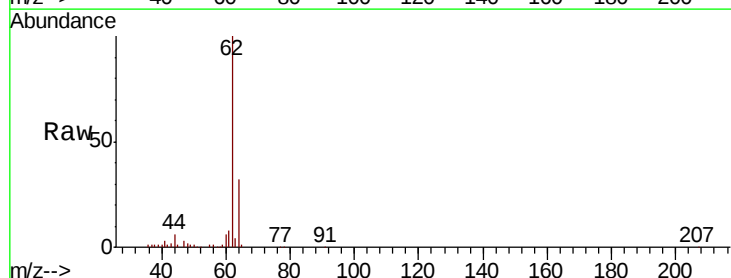
Acq: 18 Nov 2019 15:44

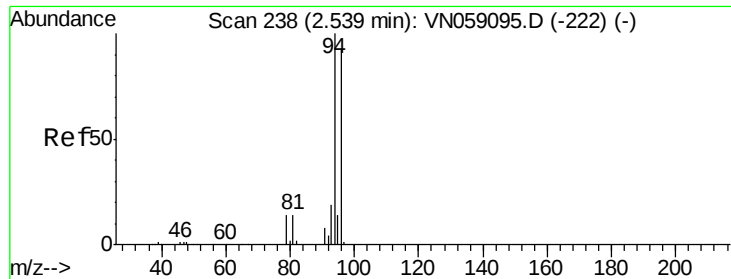
Tgt Ion: 62 Resp: 101806

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 17.093 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

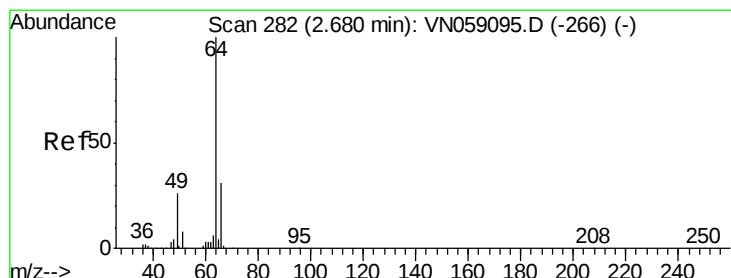
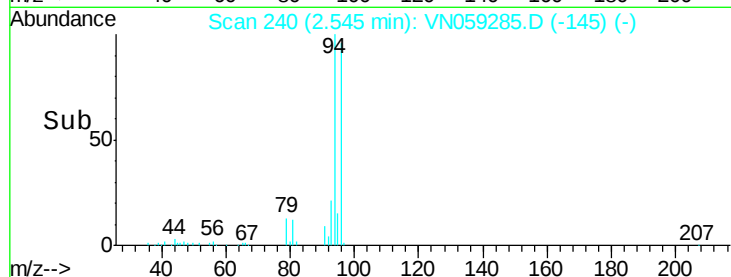
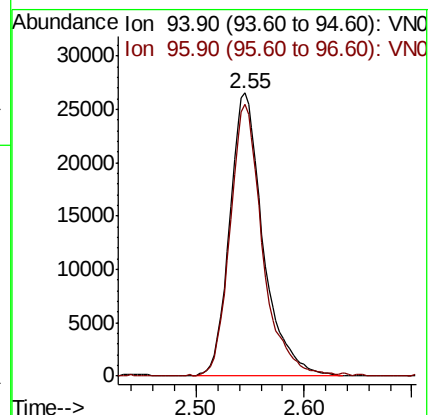
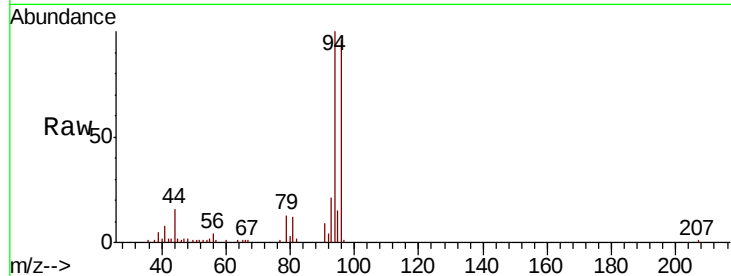
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 57322

Ion Ratio Lower Upper

94 100

96 95.9 74.2 111.2



#6

Chloroethane

Concen: 18.224 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059285.D

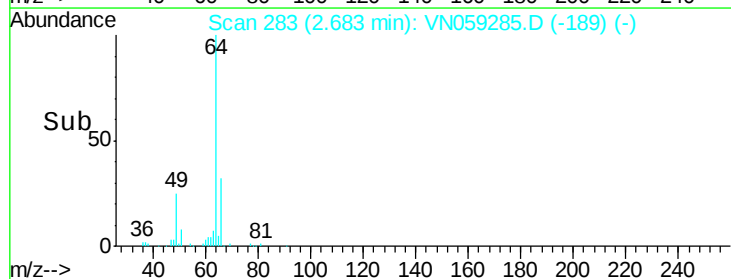
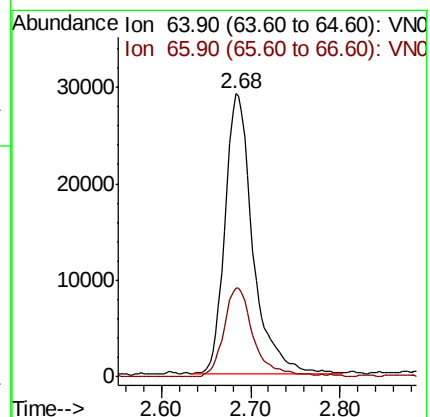
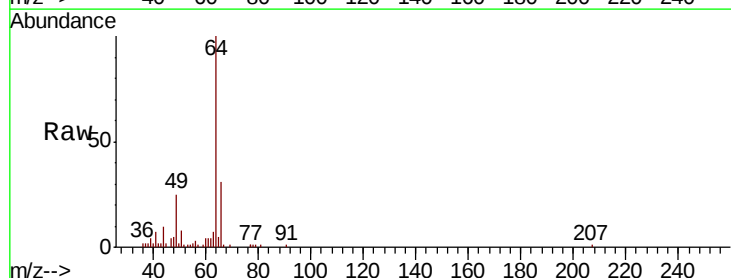
Acq: 18 Nov 2019 15:44

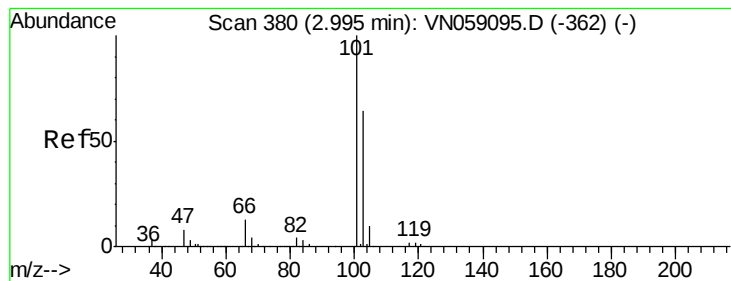
Tgt Ion: 64 Resp: 62822

Ion Ratio Lower Upper

64 100

66 31.6 25.2 37.8



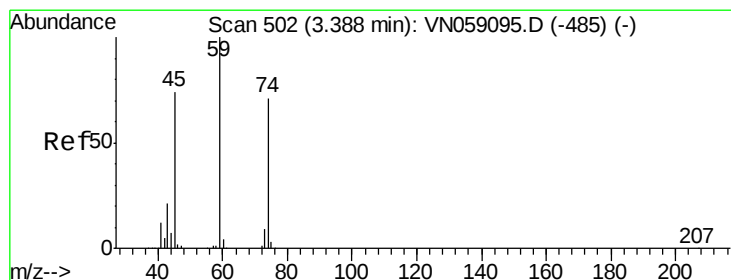
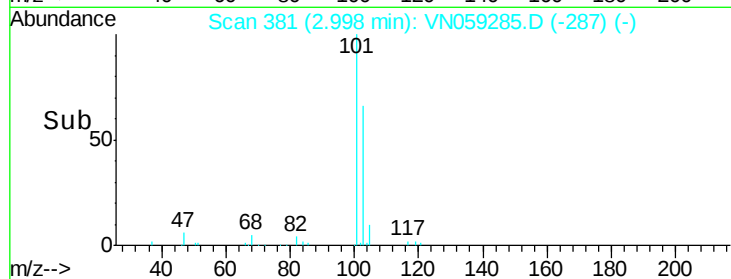
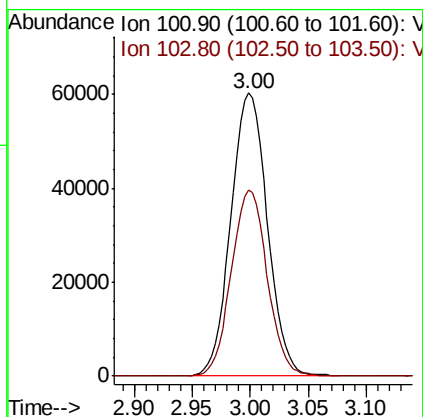
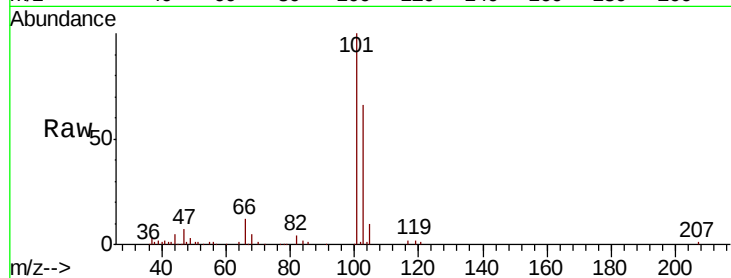


#7

Trichlorofluoromethane
 Concen: 18.976 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampled :

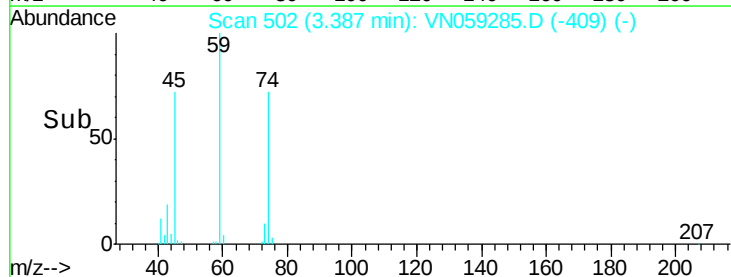
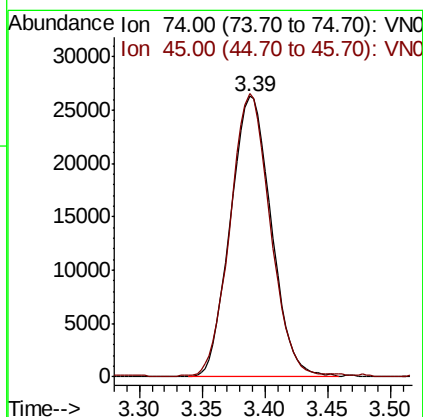
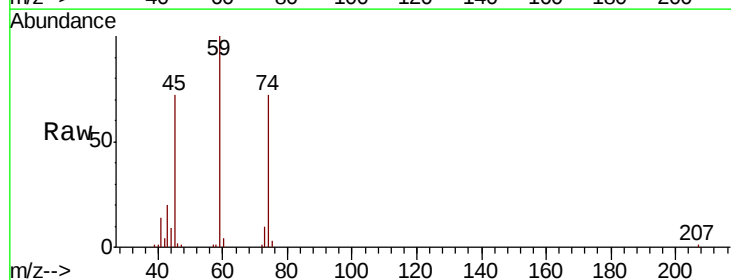
Tot Ion:101 Resp: 132270
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.2 76.8



#8

Diethyl Ether
 Concen: 21.078 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion: 74 Resp: 59696
 Ion Ratio Lower Upper
 74 100
 45 99.3 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.571 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

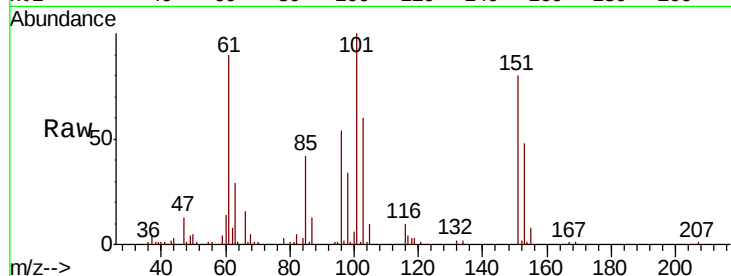
Tot Ion:101 Resp: 82249

Ion Ratio Lower Upper

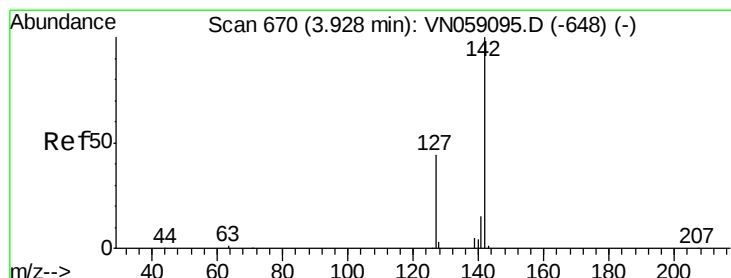
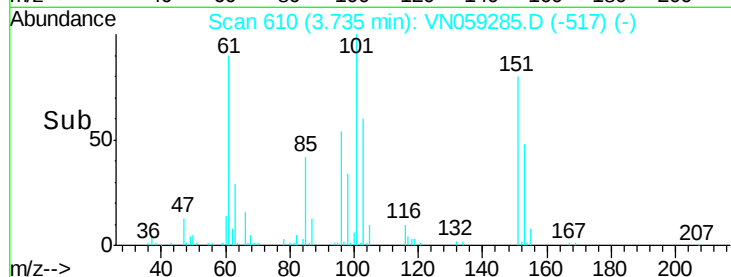
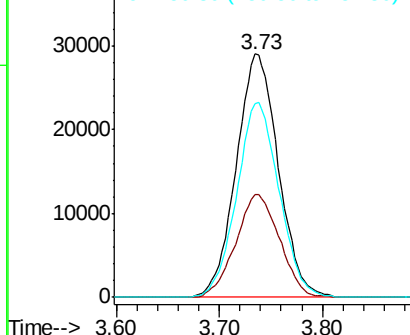
101 100

85 43.9 35.5 53.3

151 80.7 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: 14.516 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

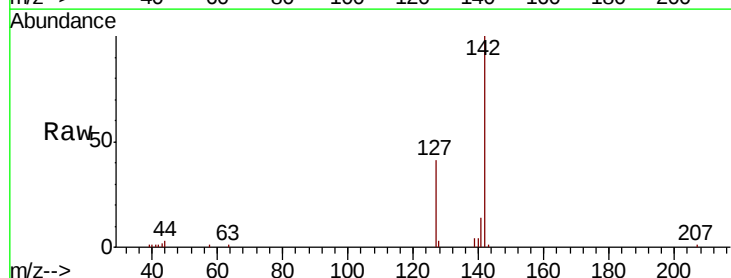
Tgt Ion:142 Resp: 75510

Ion Ratio Lower Upper

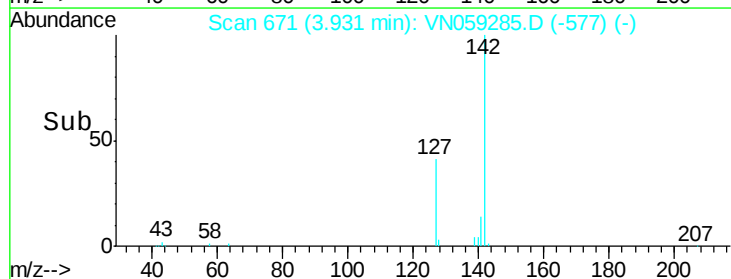
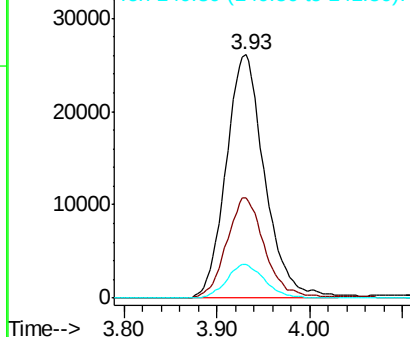
142 100

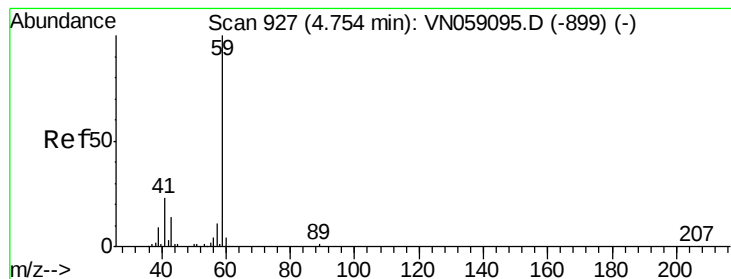
127 40.7 34.2 51.2

141 13.5 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



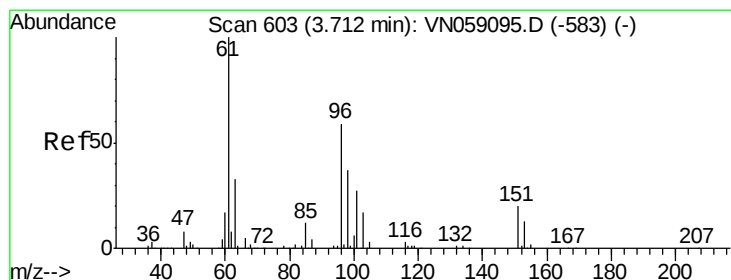
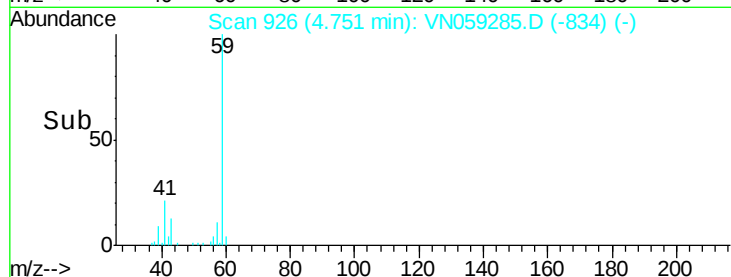
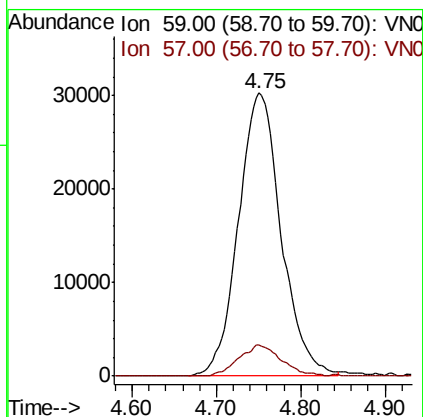
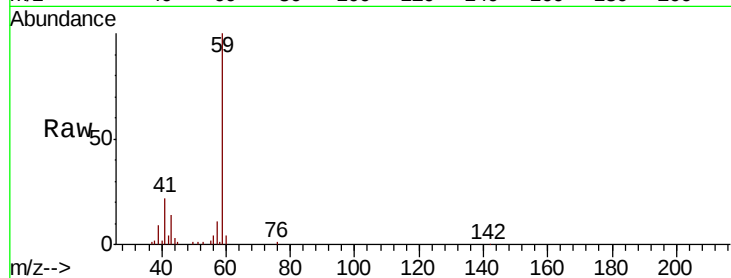


#11

Tert butyl alcohol
 Concen: 103.556 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :

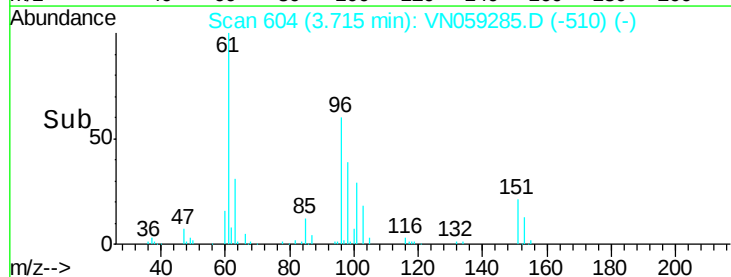
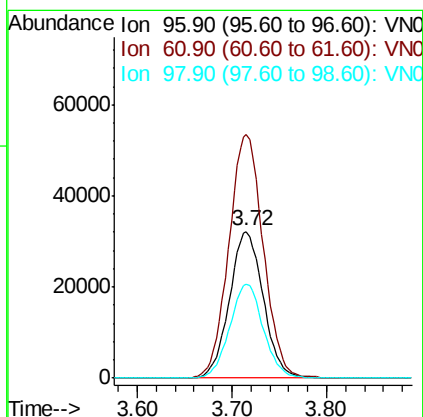
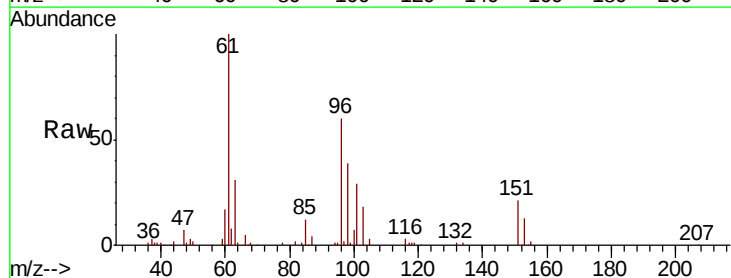
Tot Ion: 59 Resp: 106469
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.3 12.5

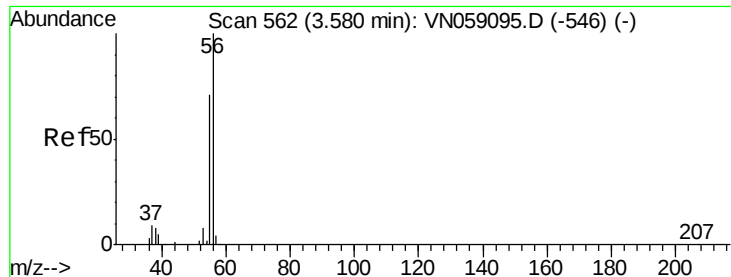


#12

1,1-Dichloroethene
 Concen: 19.537 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion: 96 Resp: 79983
 Ion Ratio Lower Upper
 96 100
 61 165.9 136.5 204.7
 98 64.3 50.2 75.4





#13

Acrolein

Concen: 86.985 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

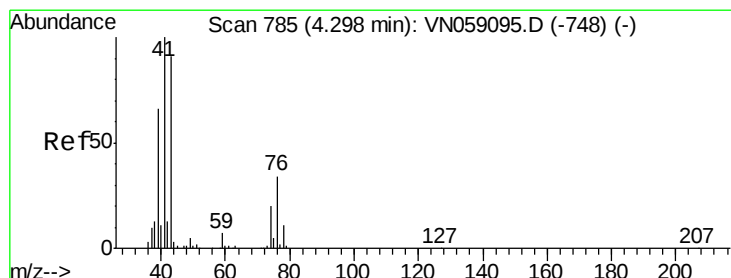
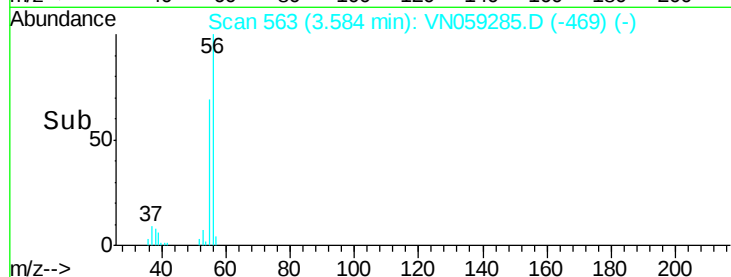
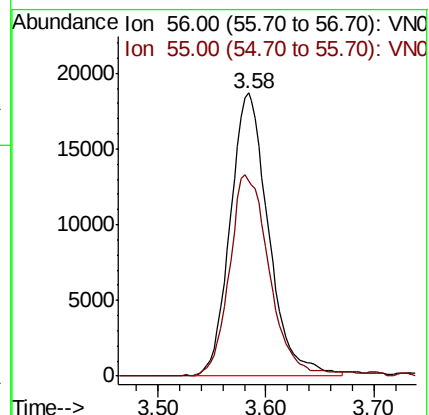
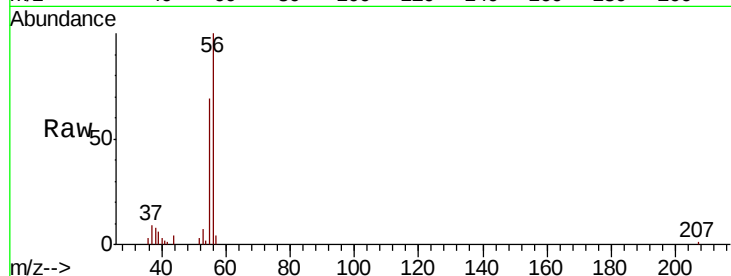
ClientSampled :

Tot Ion: 56 Resp: 46109

Ion Ratio Lower Upper

56 100

55 73.0 56.4 84.6



#14

Allyl chloride

Concen: 18.980 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

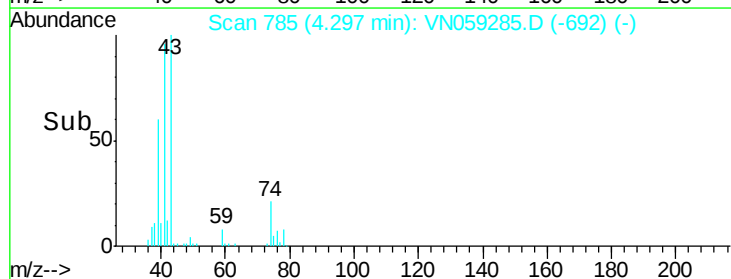
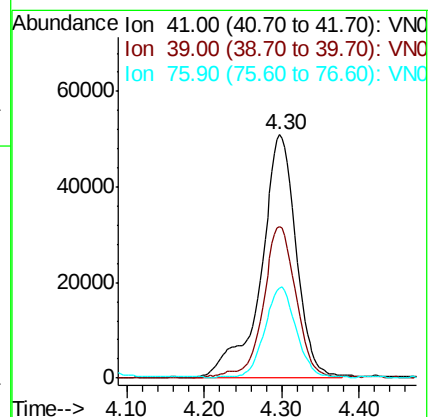
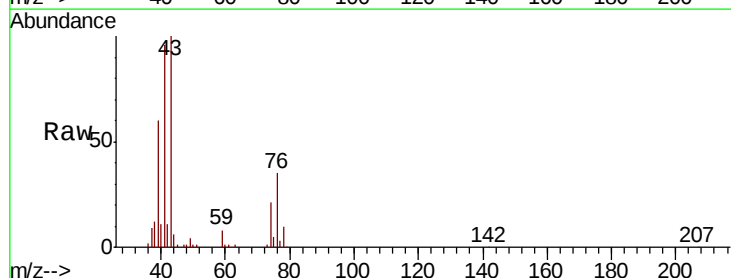
Tgt Ion: 41 Resp: 159613

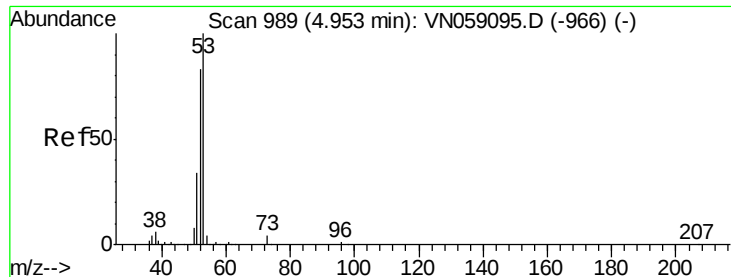
Ion Ratio Lower Upper

41 100

39 55.4 49.1 73.7

76 33.0 24.9 37.3





#15

Acrylonitrile

Concen: 110.601 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampled :

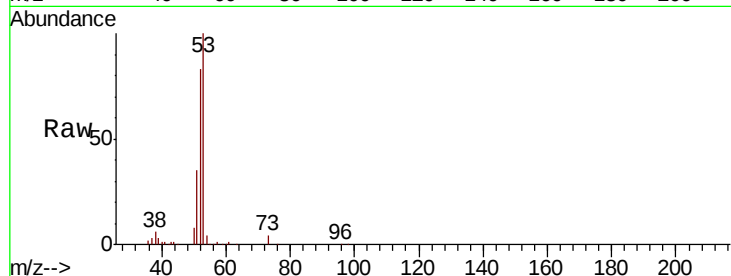
Tot Ion: 53 Resp: 282990

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.0	97.6
51	35.0	28.0	42.0

53 100

52 81.2 65.0 97.6

51 35.0 28.0 42.0



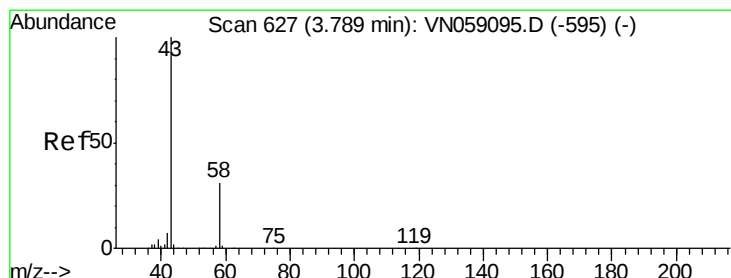
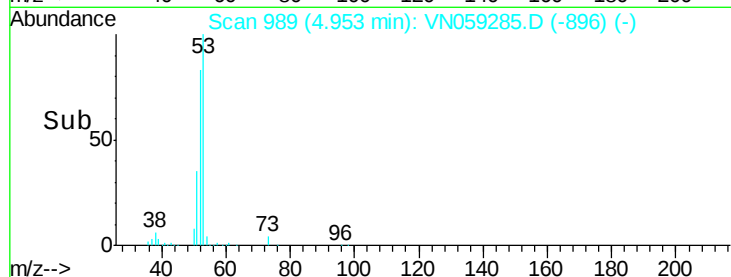
Abundance Ion 53.00 (52.70 to 53.70): VN059285.D (-896) (-)

Ion 52.00 (51.70 to 52.70): VN059285.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VN059285.D (-896) (-)

4.95

Time-->



#16

Acetone

Concen: 81.366 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059285.D

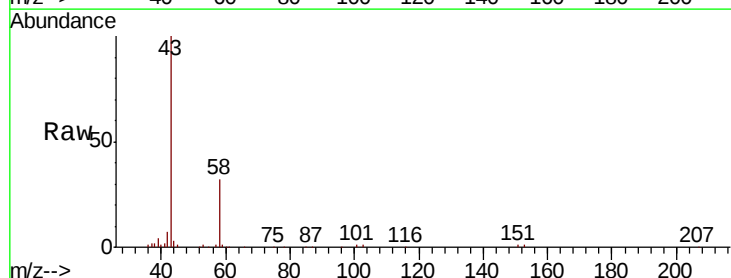
Acq: 18 Nov 2019 15:44

Tgt Ion: 43 Resp: 228263

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.9	37.3

43 100

58 32.5 24.9 37.3

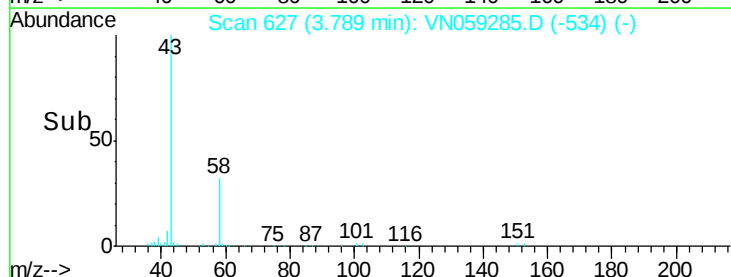


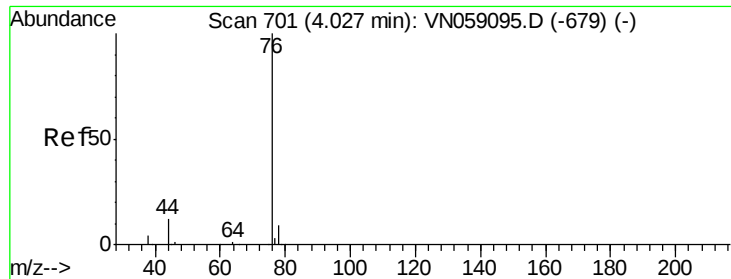
Abundance Ion 43.00 (42.70 to 43.70): VN059285.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059285.D (-534) (-)

3.79

Time-->

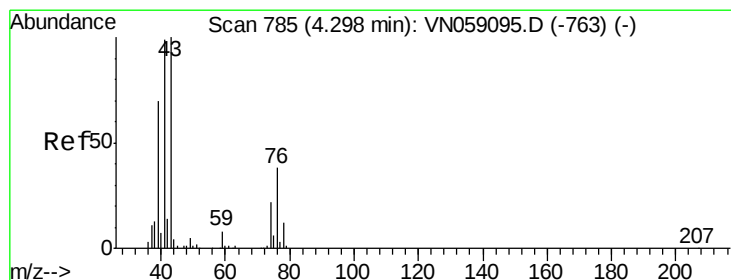
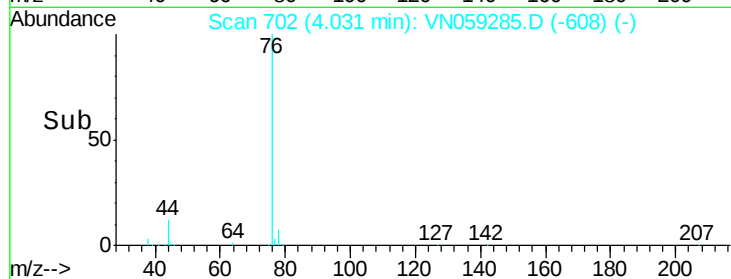
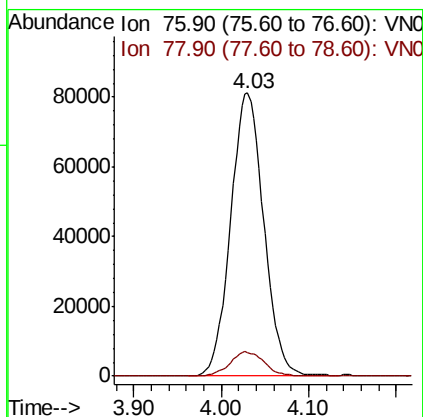
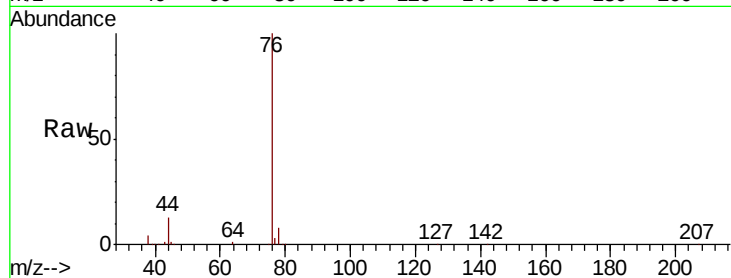




#17
Carbon Disulfide
Concen: 16.837 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

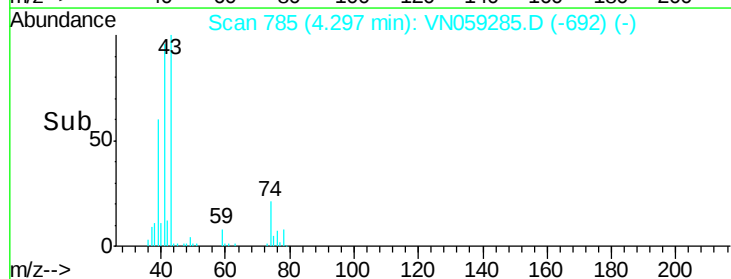
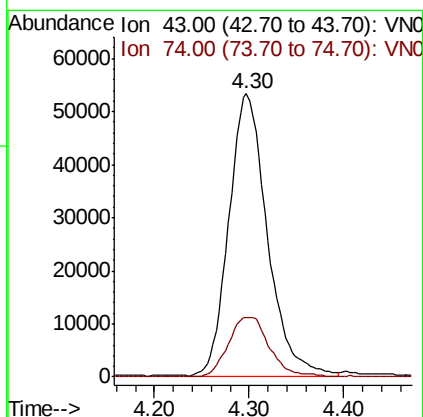
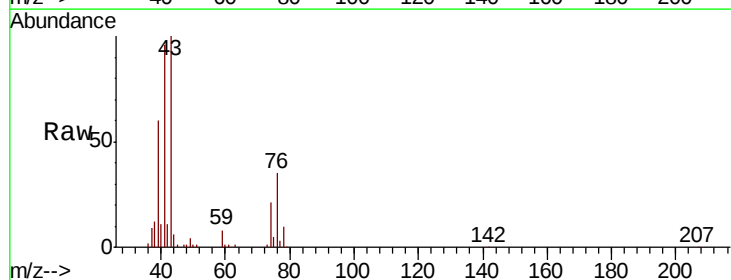
Instrument :
MSVOA_N
ClientSampleId :

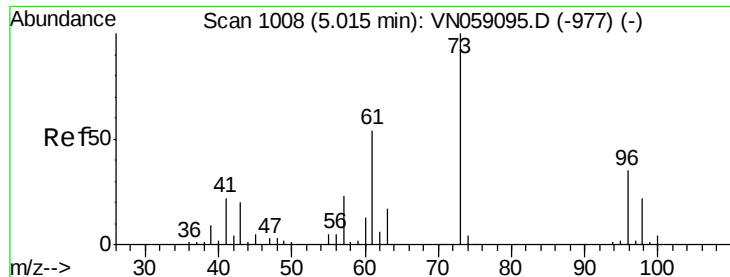
Tot Ion: 76 Resp: 213974
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#18
Methyl Acetate
Concen: 22.511 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 43 Resp: 149898
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.8

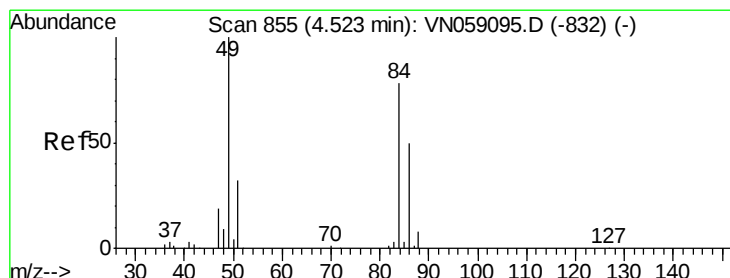
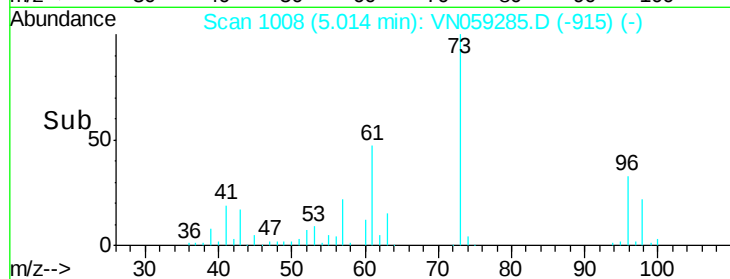
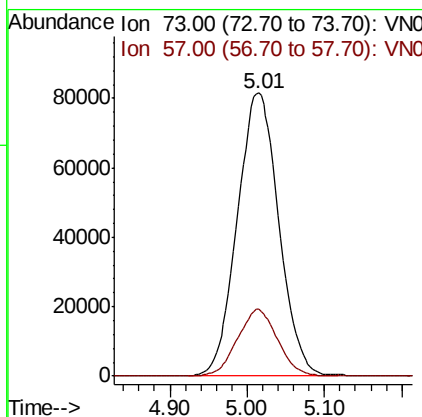
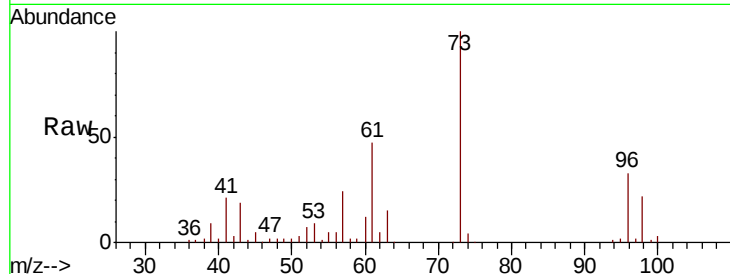




#19
Methyl tert-butyl Ether
Concen: 21.637 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

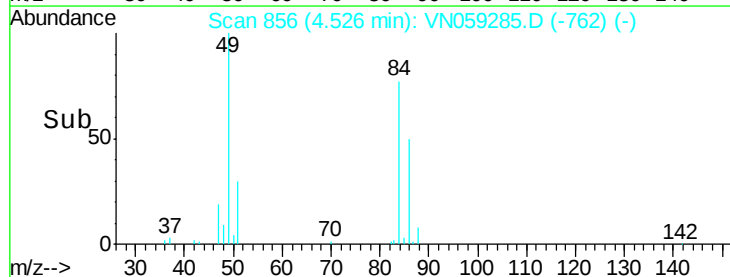
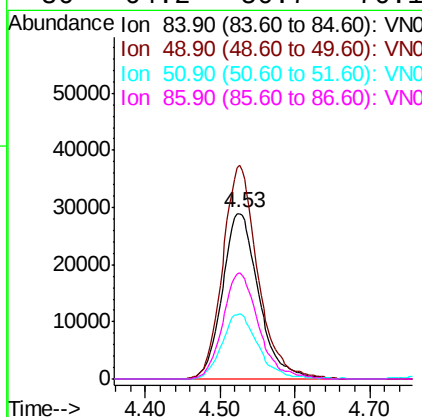
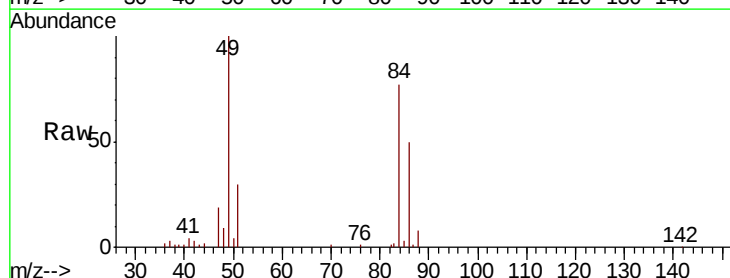
Instrument :
MSVOA_N
ClientSampled :

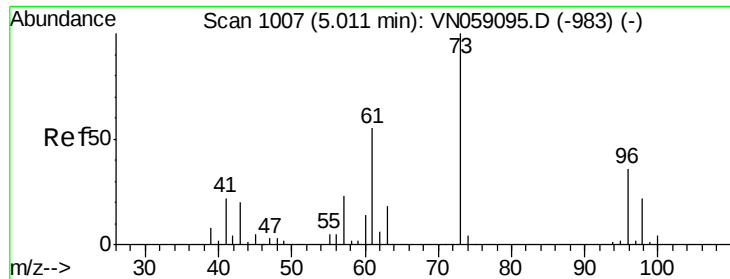
Tot Ion: 73 Resp: 304972
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6



#20
Methylene Chloride
Concen: 19.959 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 84 Resp: 97550
Ion Ratio Lower Upper
84 100
49 129.2 102.0 153.0
51 39.2 32.2 48.2
86 64.2 50.7 76.1



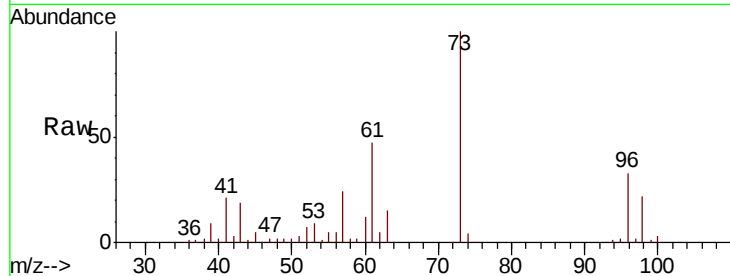


#21

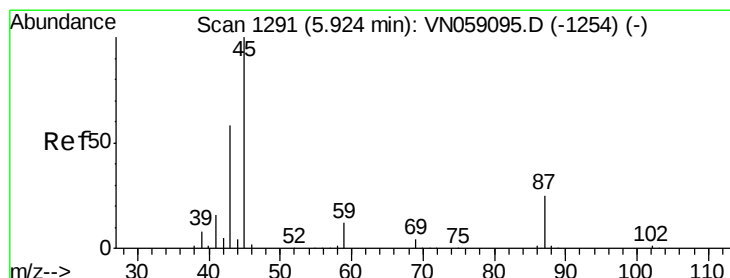
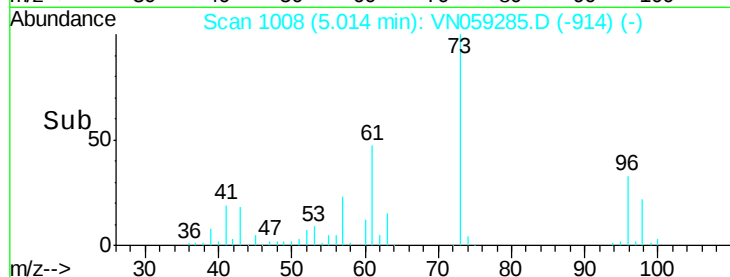
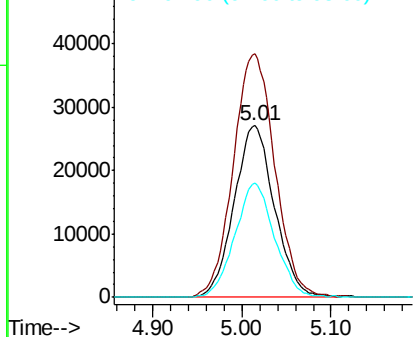
trans-1,2-Dichloroethene
Concen: 19.398 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 85242
Ion Ratio Lower Upper
96 100
61 141.8 122.6 183.8
98 66.4 50.3 75.5



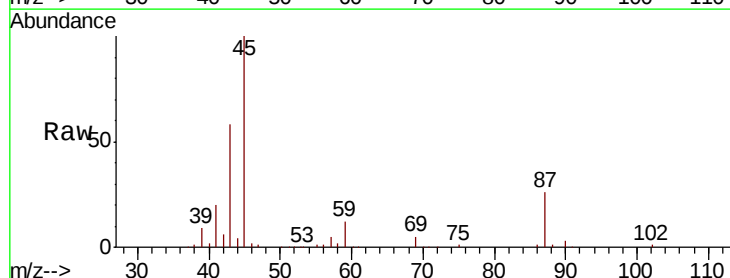
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



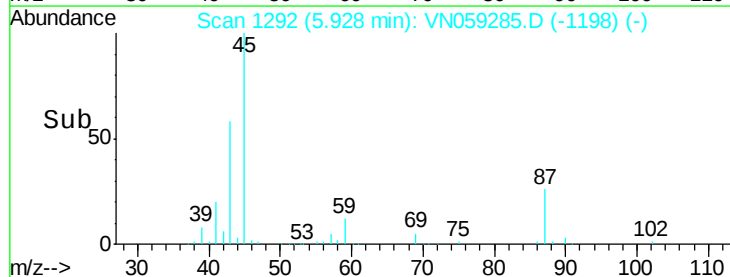
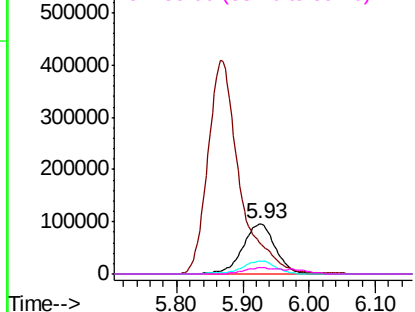
#22

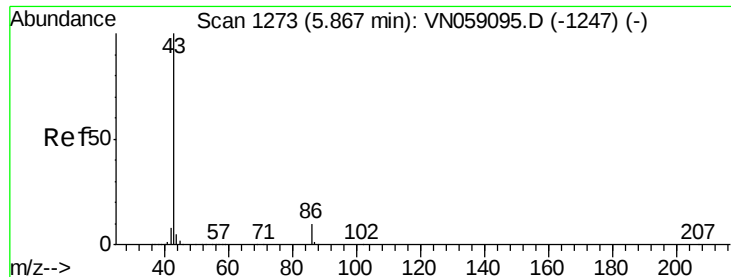
Diisopropyl ether
Concen: 20.652 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 45 Resp: 328033
Ion Ratio Lower Upper
45 100
43 57.0 46.7 70.1
87 26.3 20.5 30.7
59 11.8 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: 110.382 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

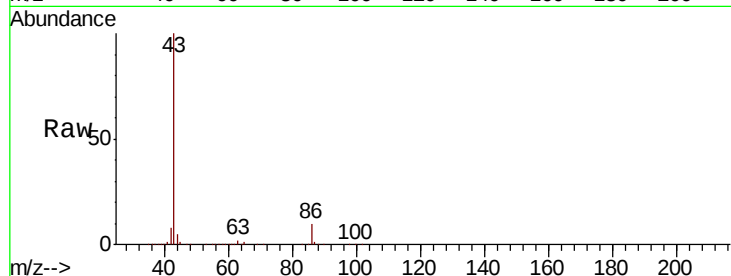
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1358866

Ion Ratio Lower Upper

43 100

86 9.9 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059285.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059285.D (-1180) (-)

5.87

400000

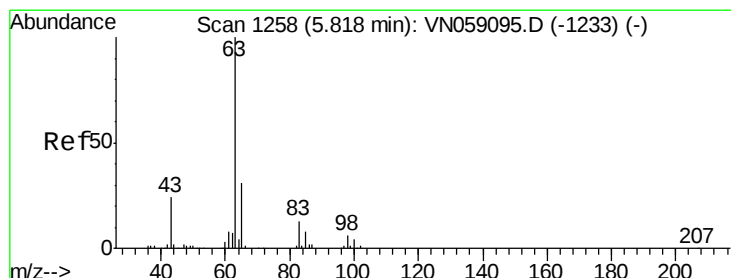
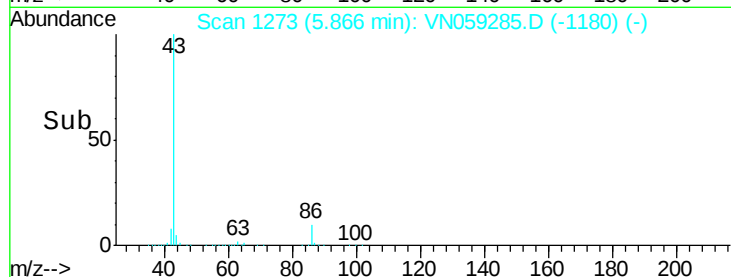
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.294 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

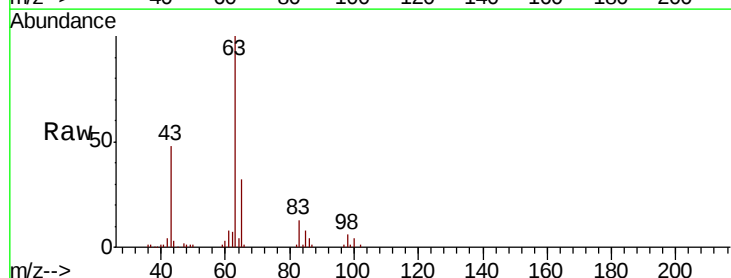
Tgt Ion: 63 Resp: 180046

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059285.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059285.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059285.D (-1165) (-)

5.82

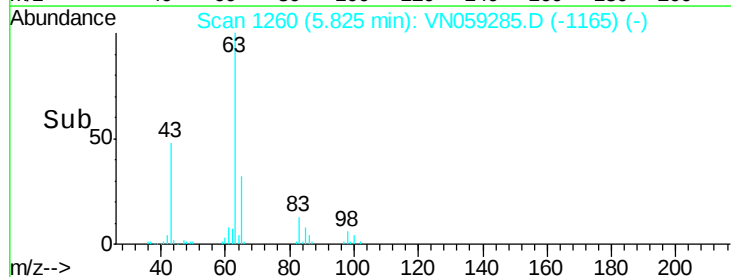
60000

40000

20000

0

Time-->

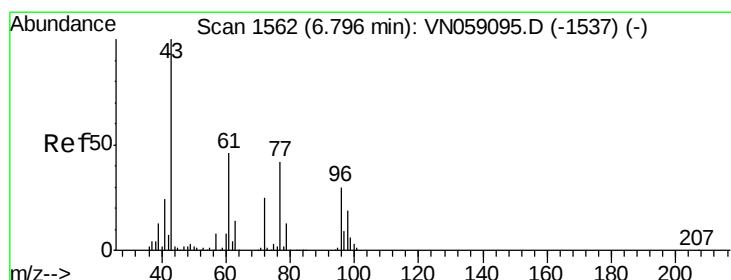
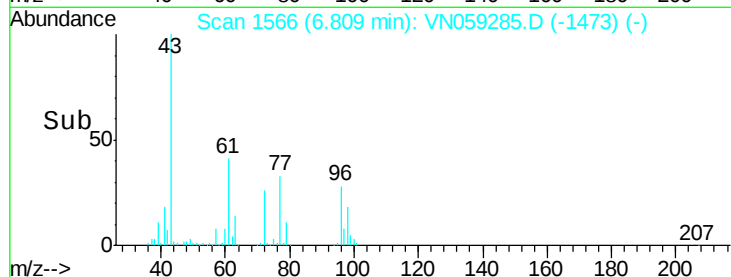
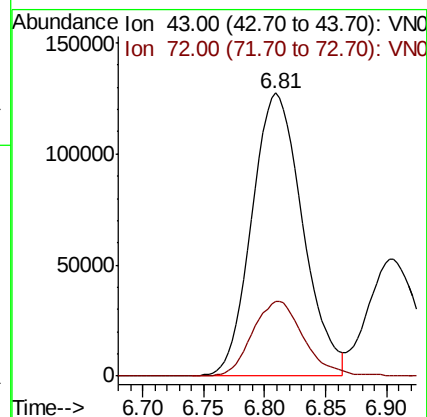
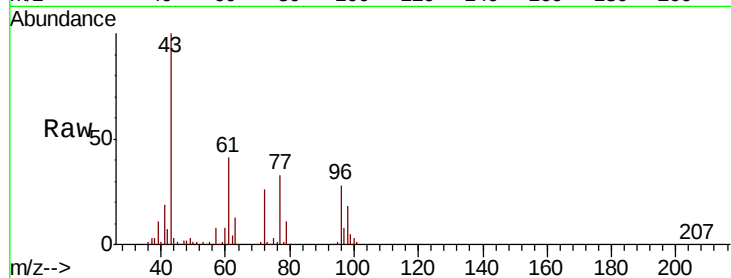




#25
2-Butanone
Concen: 99.262 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

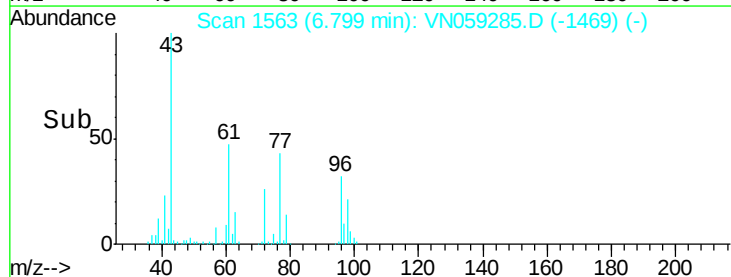
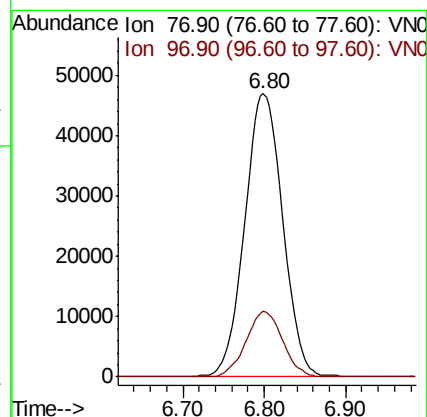
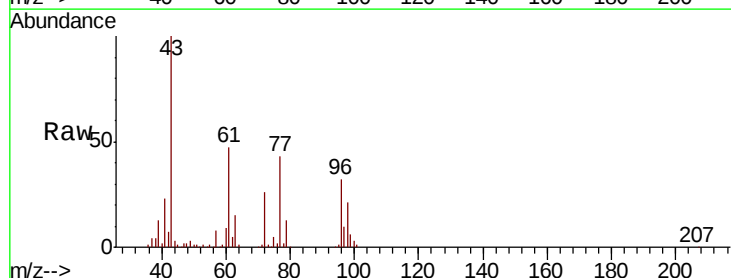
Instrument :
MSVOA_N
ClientSampled :

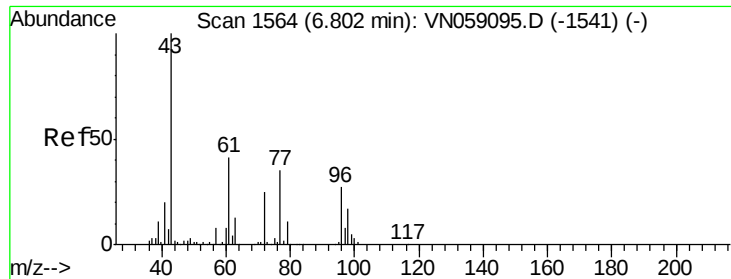
Tot Ion: 43 Resp: 367005
Ion Ratio Lower Upper
43 100
72 26.4 20.3 30.5



#26
2,2-Dichloropropane
Concen: 19.459 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 77 Resp: 150951
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6

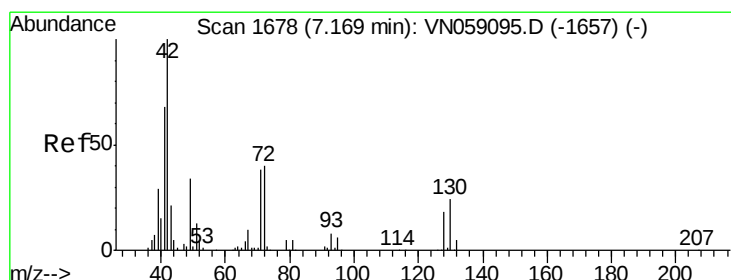
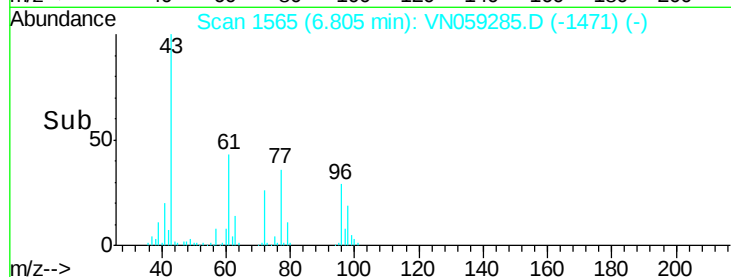
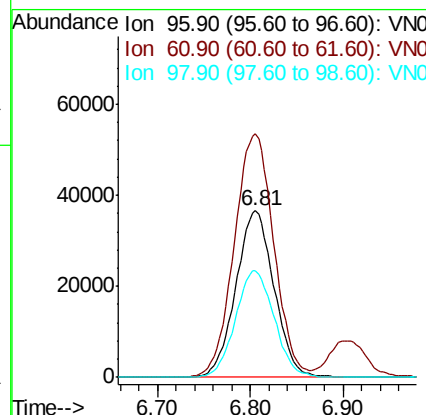
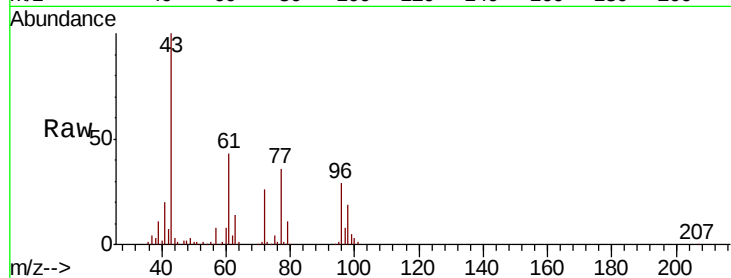




#27
 cis-1,2-Dichloroethene
 Concen: 20.578 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

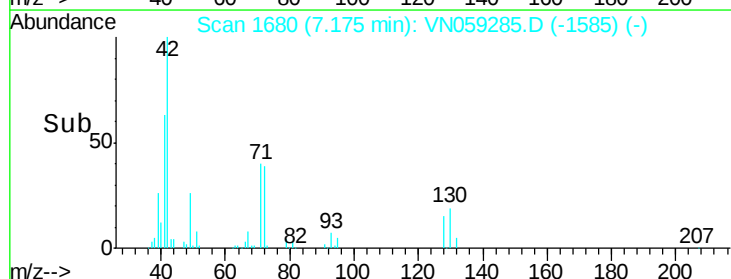
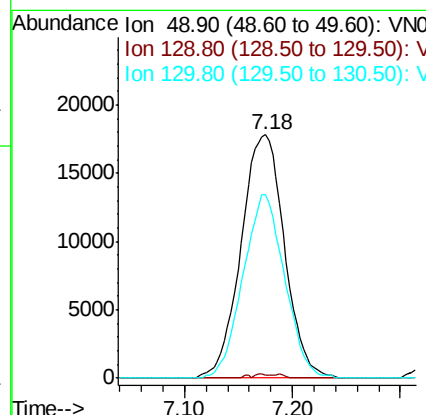
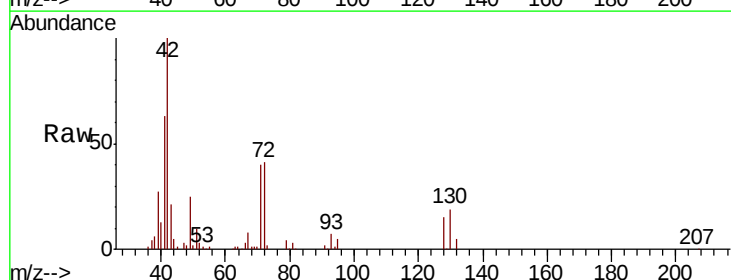
Instrument :
 MSVOA_N
 ClientSampleId :

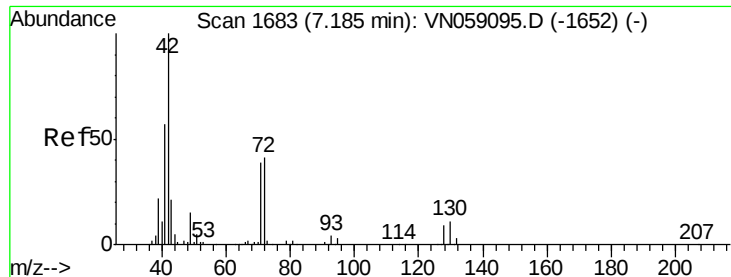
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	311.6
98	64.8	0.0	129.8



#28
 Bromochloromethane
 Concen: 18.639 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.01 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.8
130	72.2	55.6	83.4

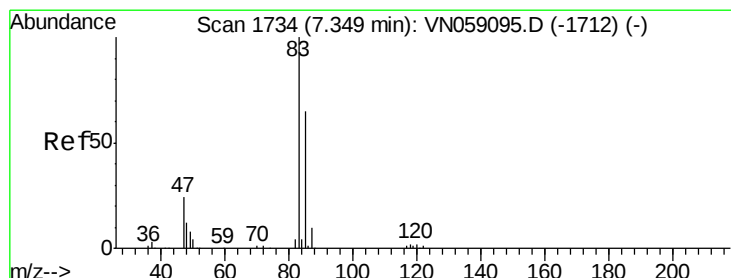
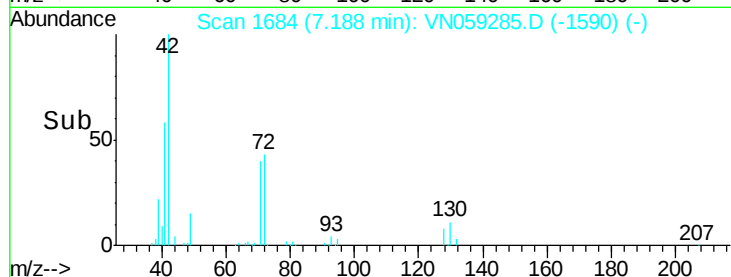
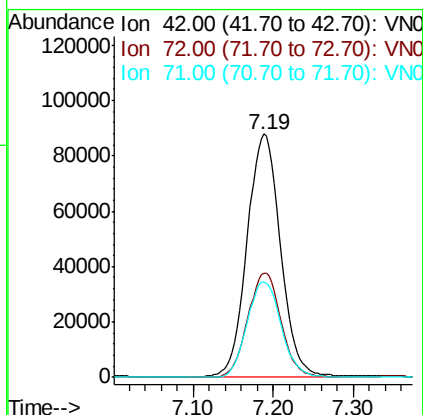
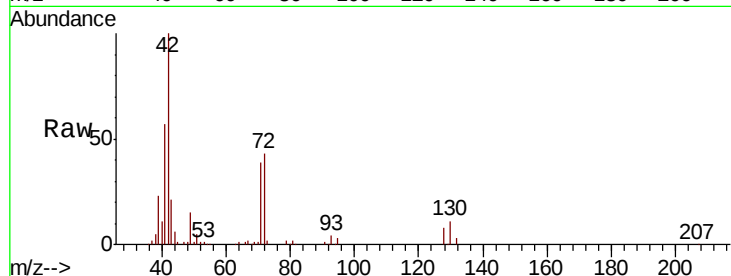




#29
Tetrahydrofuran
Concen: 107.037 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

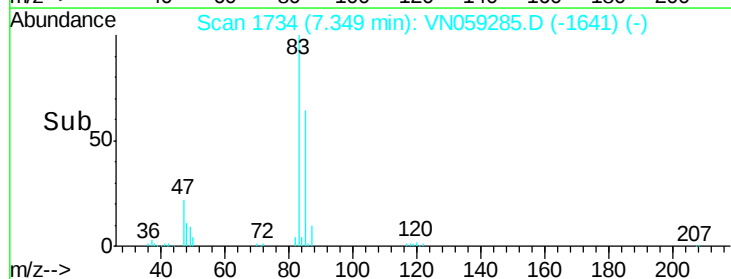
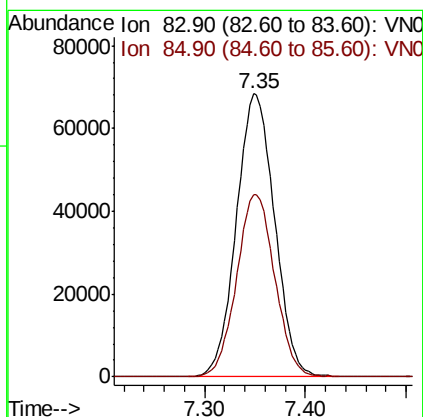
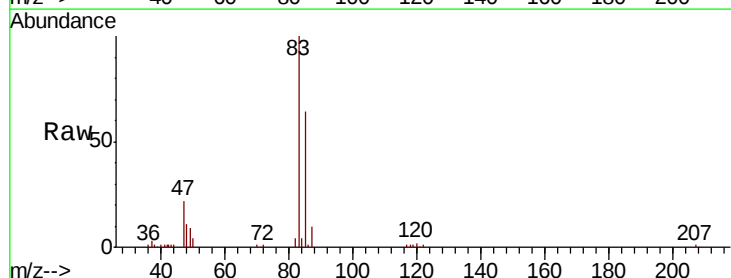
Instrument :
MSVOA_N
ClientSampled :

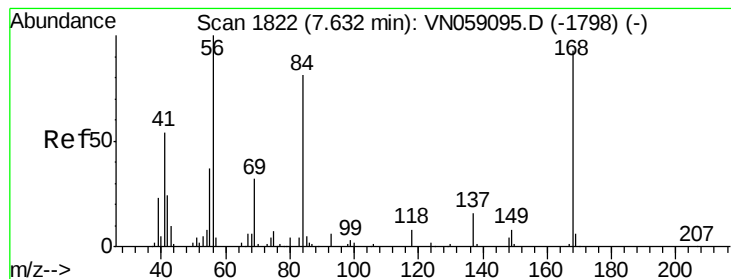
Tot Ion: 42 Resp: 251461
Ion Ratio Lower Upper
42 100
72 42.6 33.1 49.7
71 39.9 30.9 46.3



#30
Chloroform
Concen: 21.105 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 83 Resp: 179611
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.8





#31

Cyclohexane

Concen: 18.077 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :

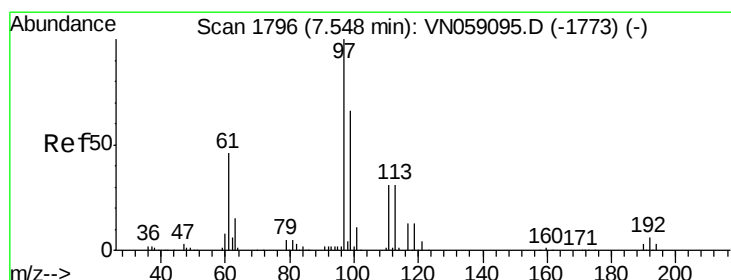
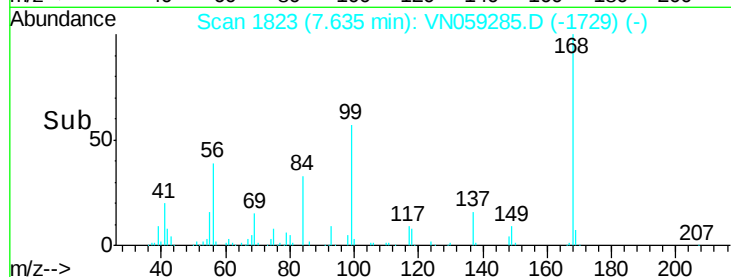
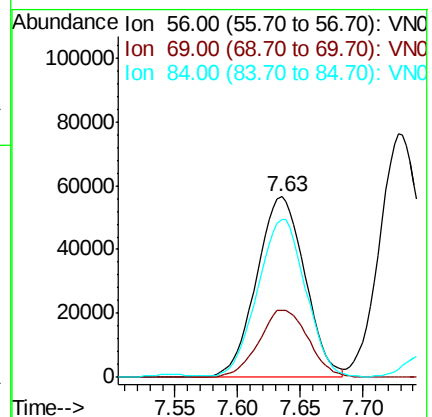
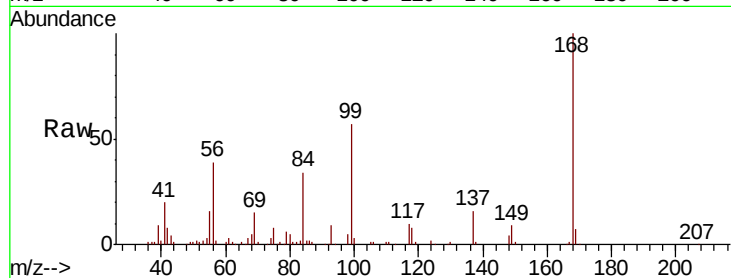
Tot Ion: 56 Resp: 151824

Ion Ratio Lower Upper

56 100

69 37.5 25.8 38.8

84 87.0 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 20.347 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

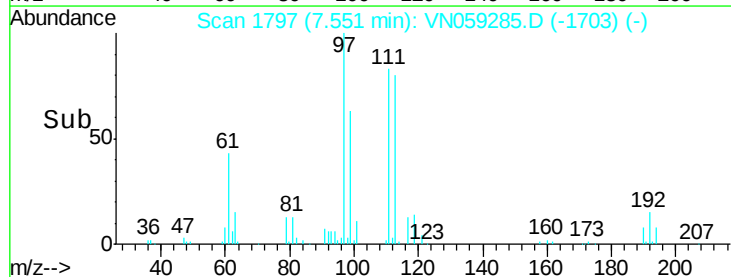
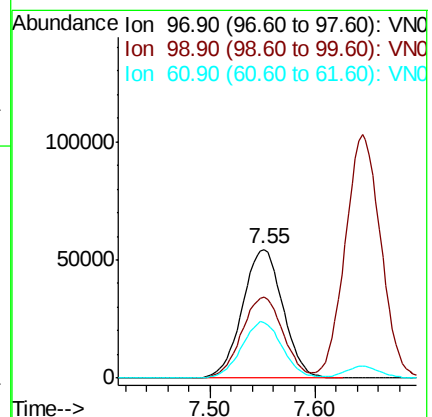
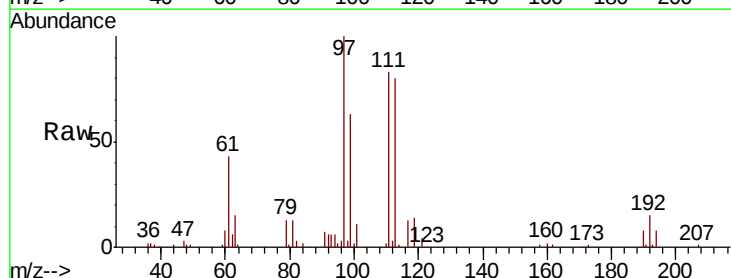
Tgt Ion: 97 Resp: 145586

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 43.8 35.8 53.8

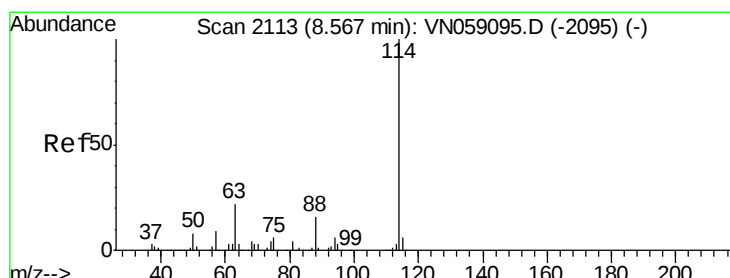
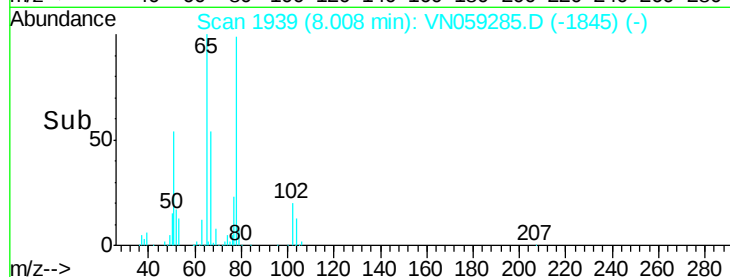
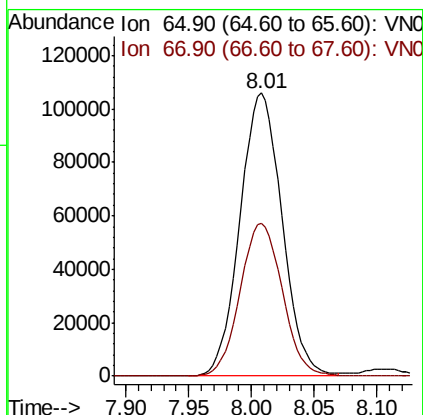
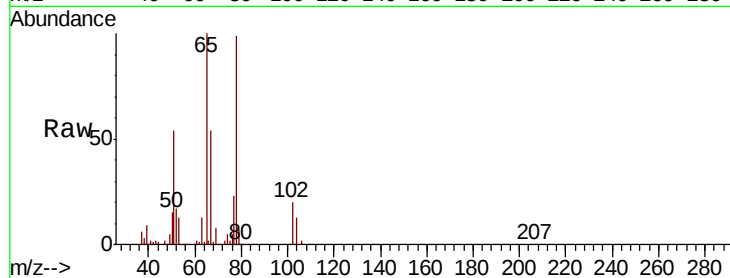




#33
 1,2-Dichloroethane-d4
 Concen: 45.914 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

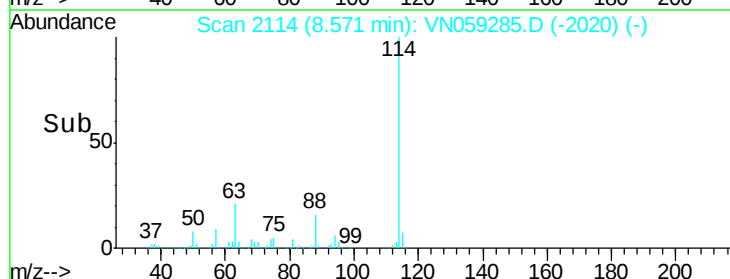
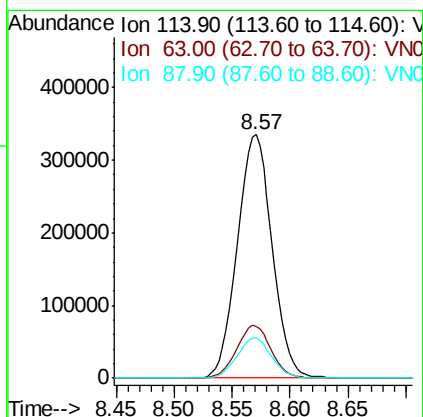
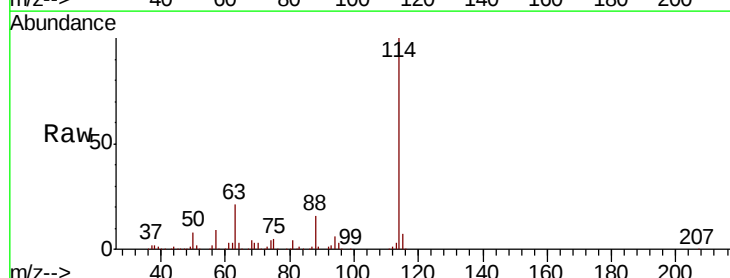
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 247693
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion: 114 Resp: 697271
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 16.3 0.0 32.2

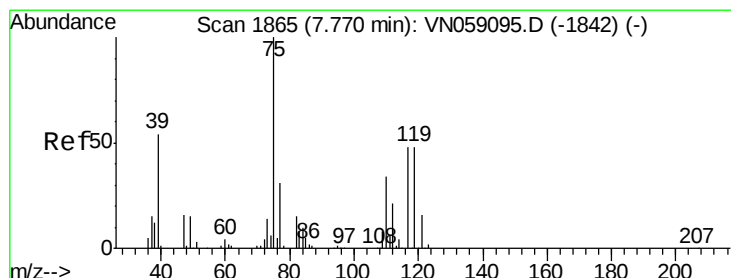
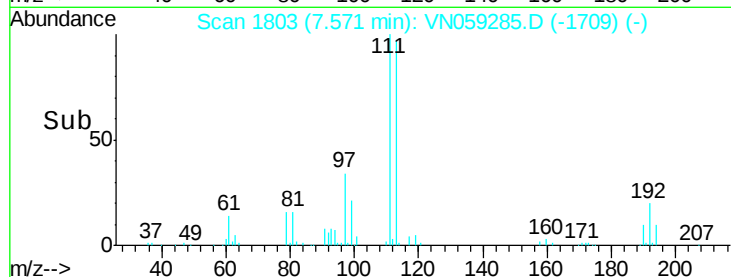
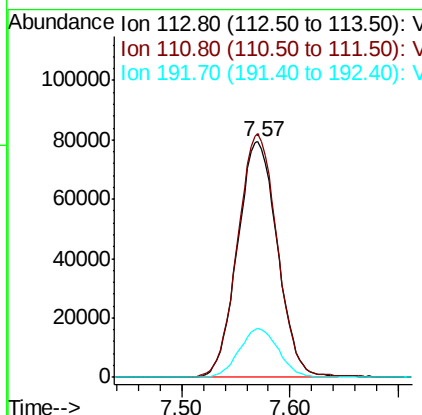
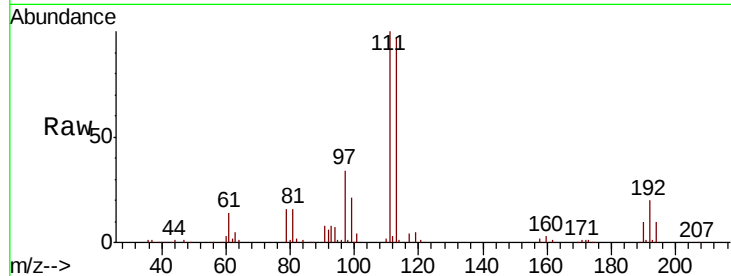




#35
Dibromofluoromethane
Concen: 48.942 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

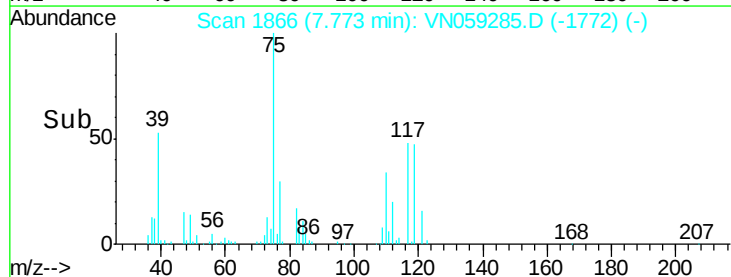
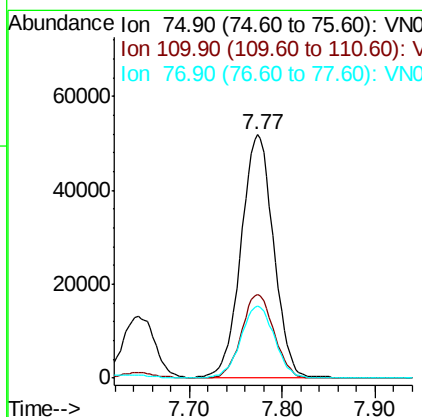
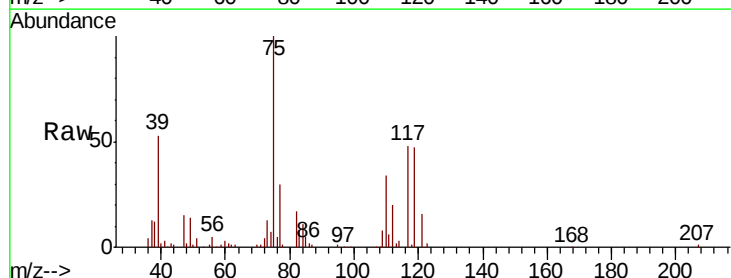
Instrument :
MSVOA_N
ClientSampled :

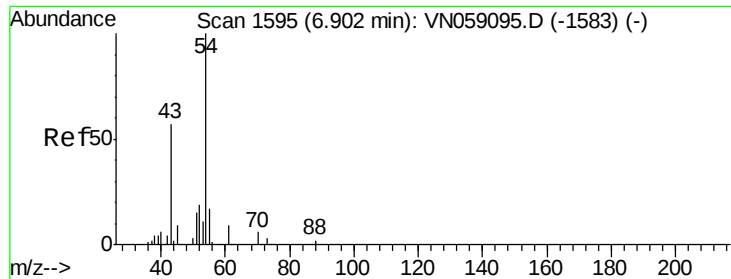
Tot Ion:113 Resp: 203764
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 20.1 16.1 24.1



#36
1,1-Dichloropropene
Concen: 19.418 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 75 Resp: 126556
Ion Ratio Lower Upper
75 100
110 33.9 17.1 51.2
77 30.6 24.8 37.2

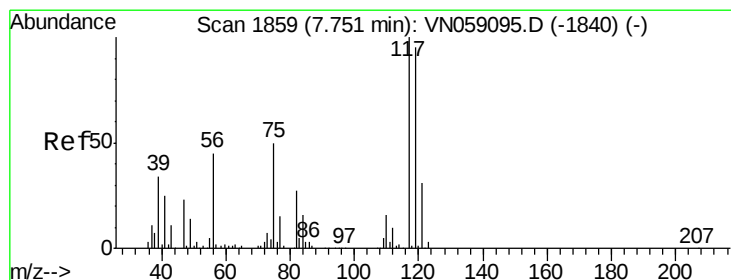
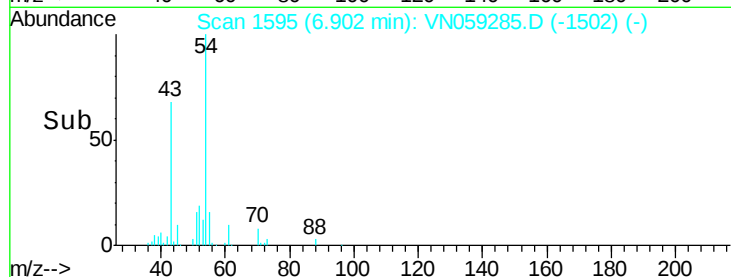
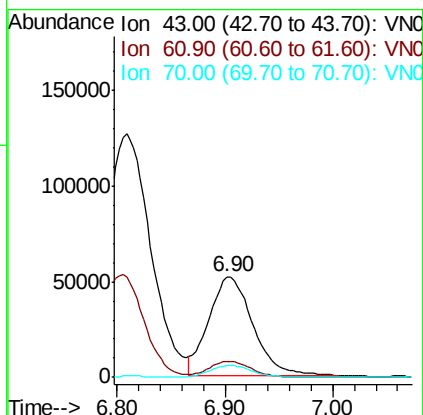
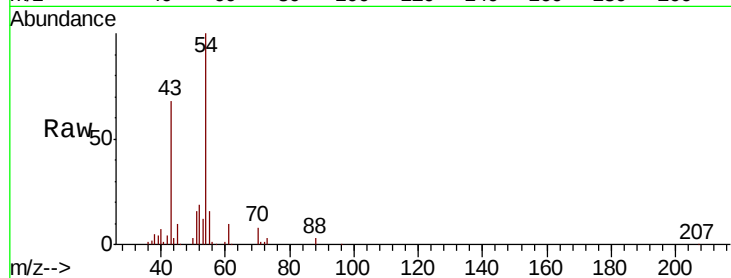




#37
Ethyl Acetate
Concen: 20.411 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

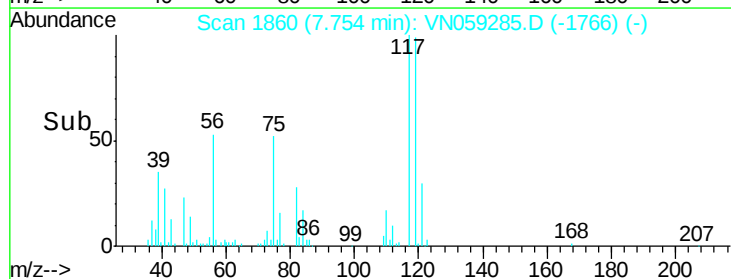
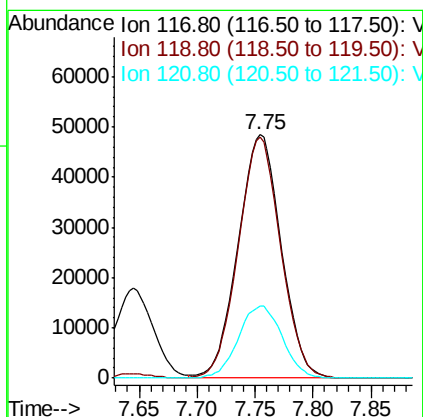
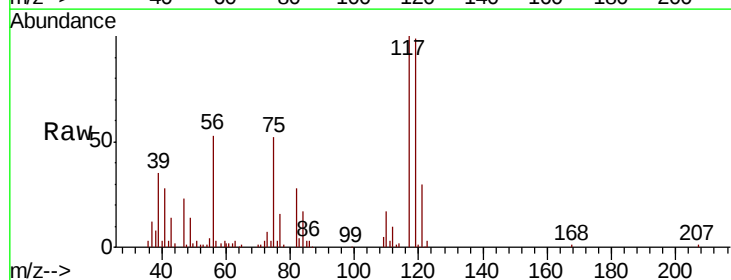
Instrument :
MSVOA_N
ClientSampleId :

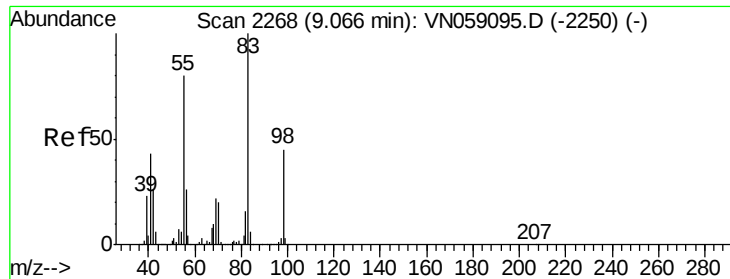
Tot Ion: 43 Resp: 147987
Ion Ratio Lower Upper
43 100
61 15.7 11.2 16.8
70 11.5 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.245 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 117 Resp: 124842
Ion Ratio Lower Upper
117 100
119 98.9 75.6 113.4
121 29.6 24.6 36.8

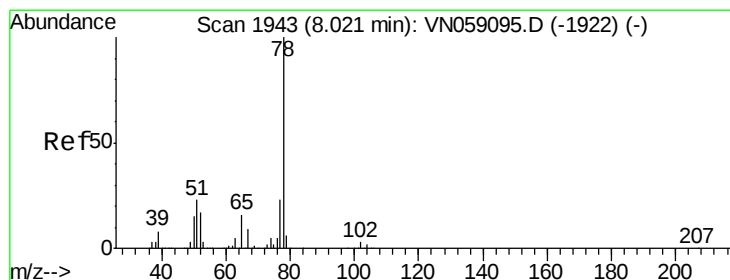
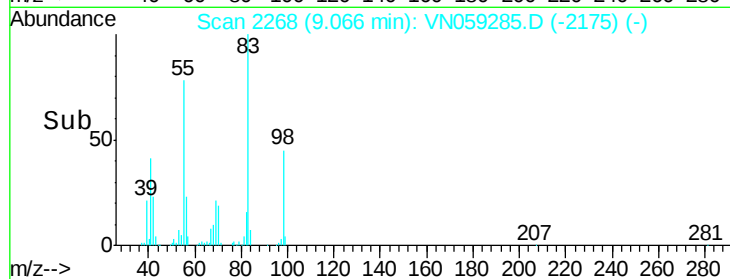
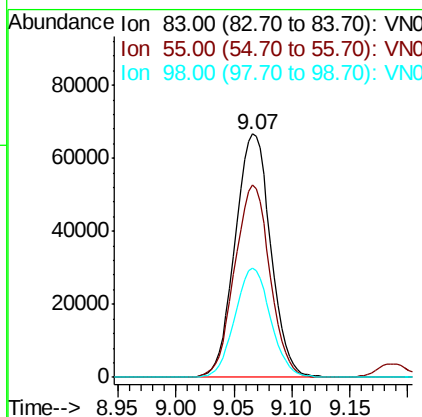
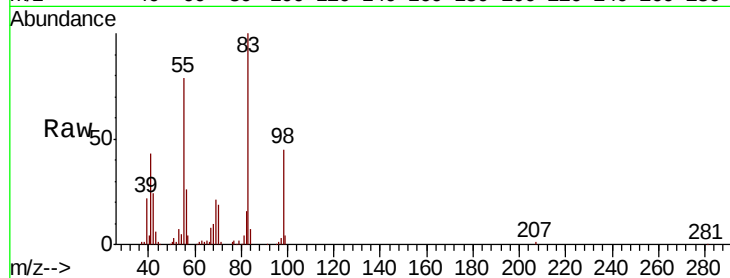




#39
Methvlcvclohexane
Concen: 18.865 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

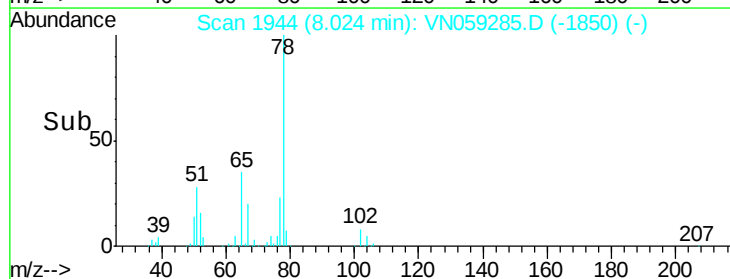
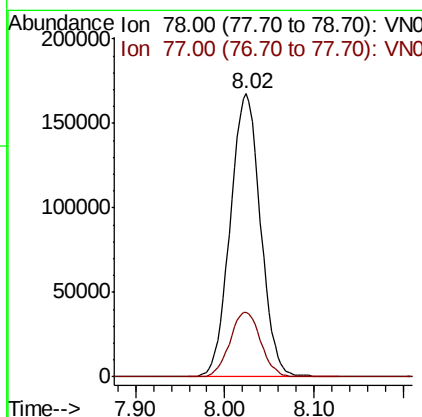
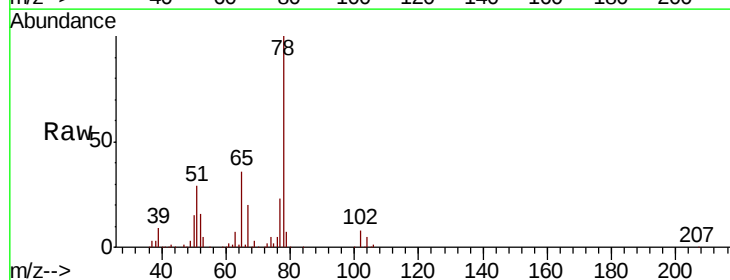
Instrument :
MSVOA_N
ClientSampleId :

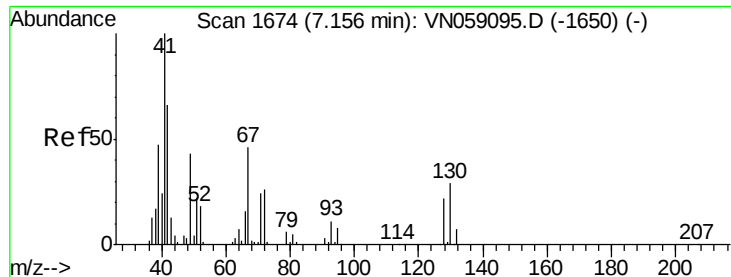
Tot Ion: 83 Resp: 142699
Ion Ratio Lower Upper
83 100
55 78.8 63.9 95.9
98 44.9 35.6 53.4



#40
Benzene
Concen: 20.049 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 78 Resp: 393495
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

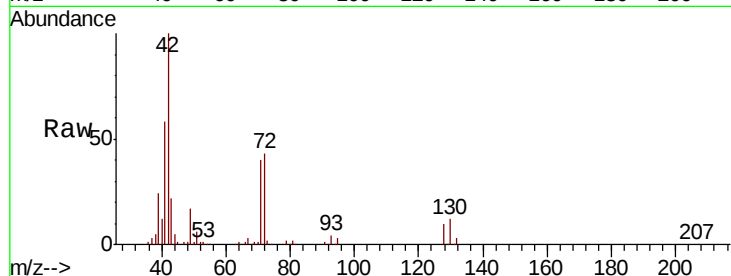




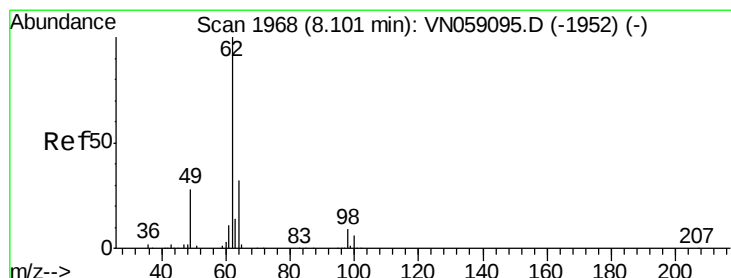
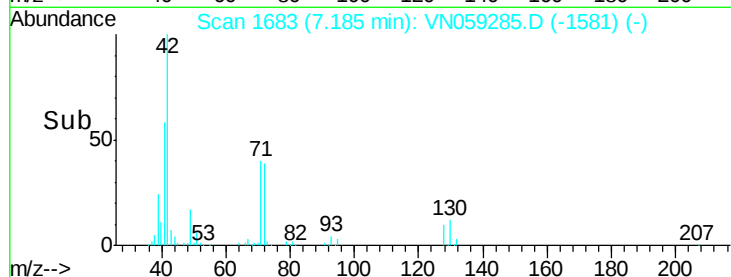
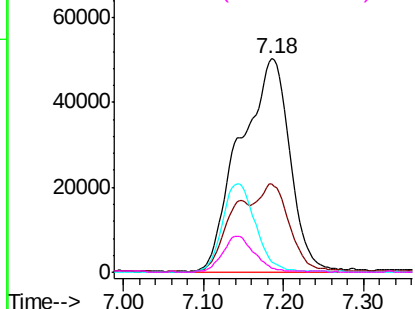
#41
Methacrylonitrile
Concen: 67.992 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	214365
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

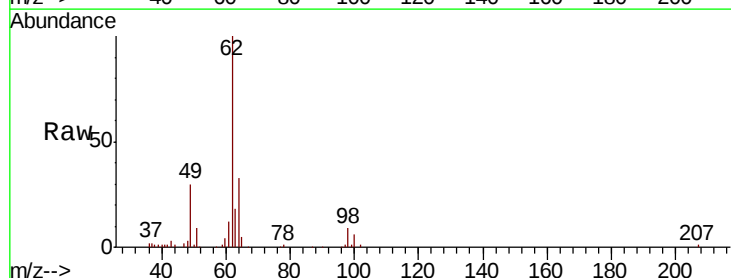


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

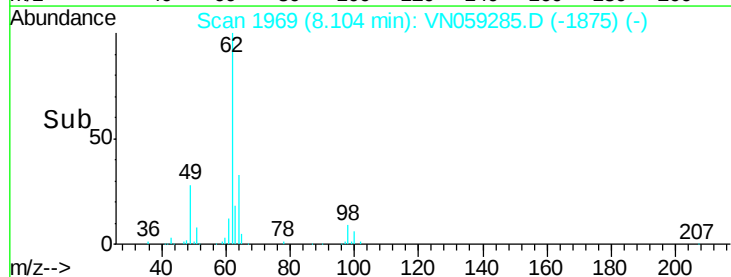
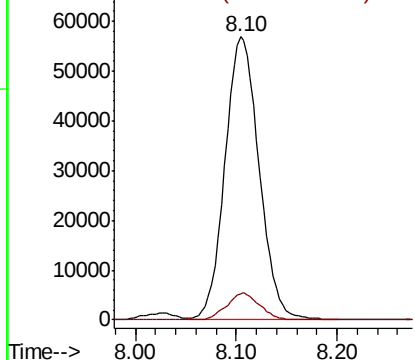


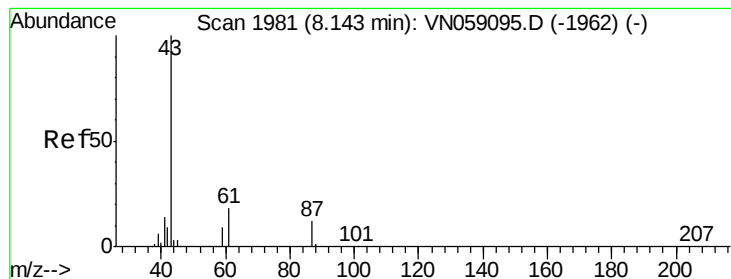
#42
1,2-Dichloroethane
Concen: 19.917 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion:	62	Resp:	134069
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 20.522 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampled :

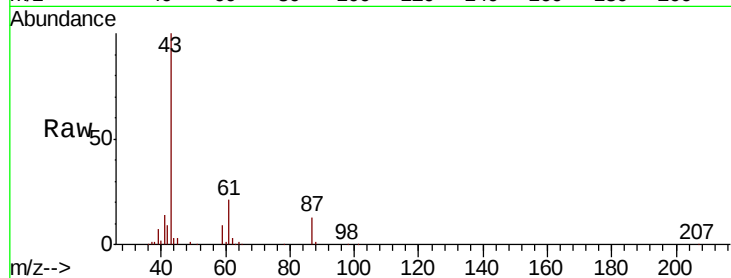
Tot Ion: 43 Resp: 237219

Ion Ratio Lower Upper

43 100

61 27.3 21.0 31.6

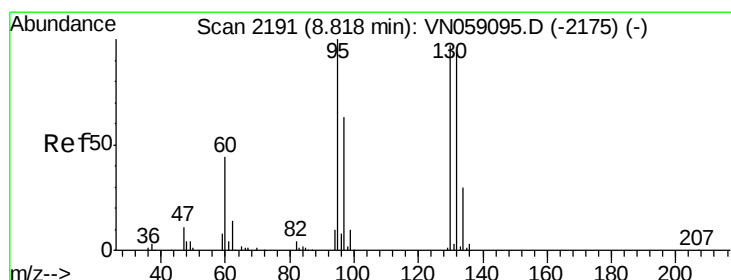
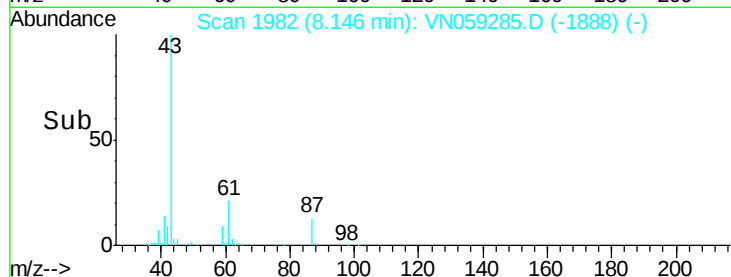
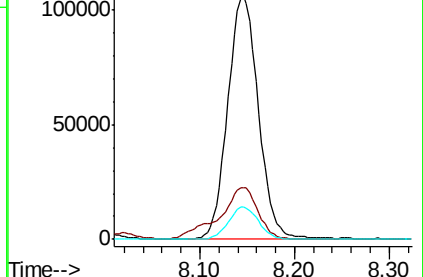
87 13.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059095.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059095.D (-1962) (-)



#44

Trichloroethene

Concen: 20.161 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059285.D

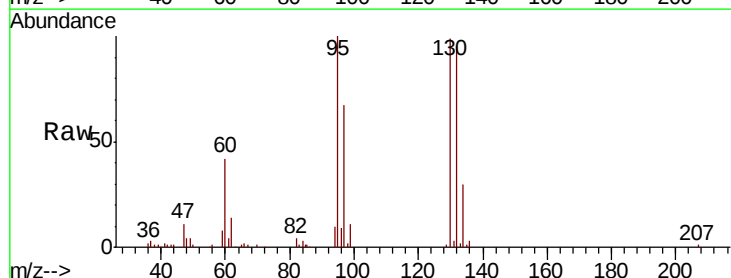
Acq: 18 Nov 2019 15:44

Tgt Ion:130 Resp: 97268

Ion Ratio Lower Upper

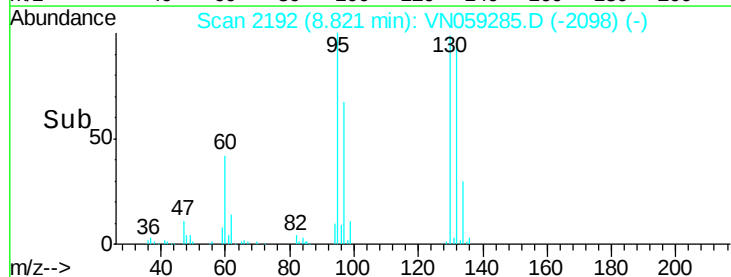
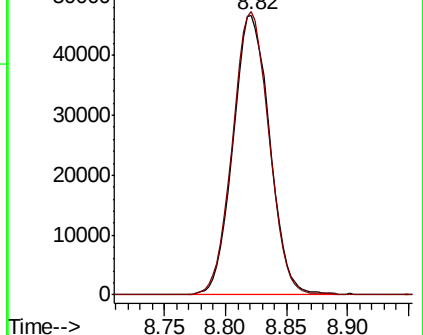
130 100

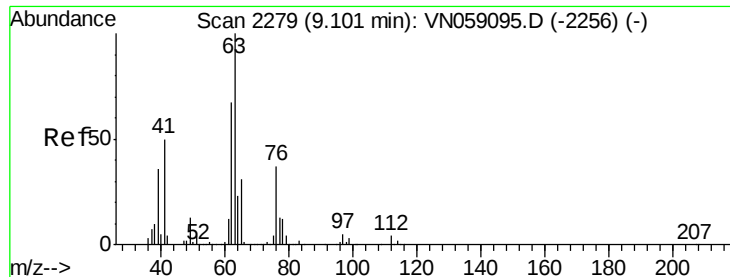
95 101.3 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059095.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059095.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 20.506 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

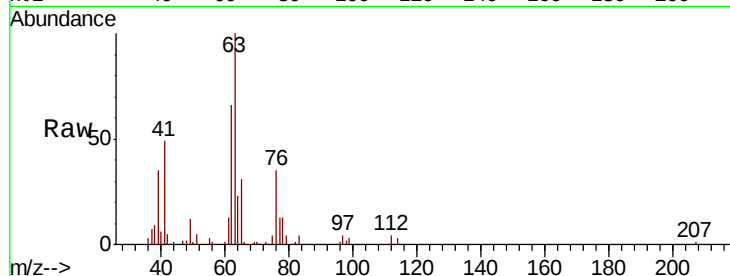
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 109317

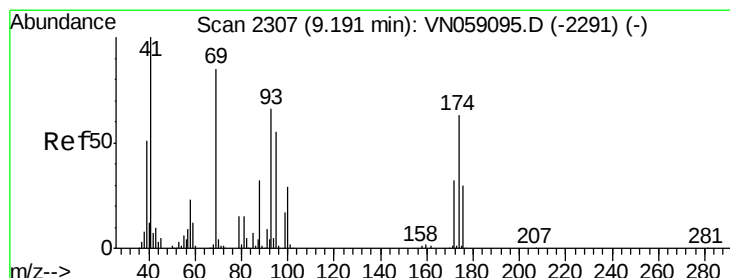
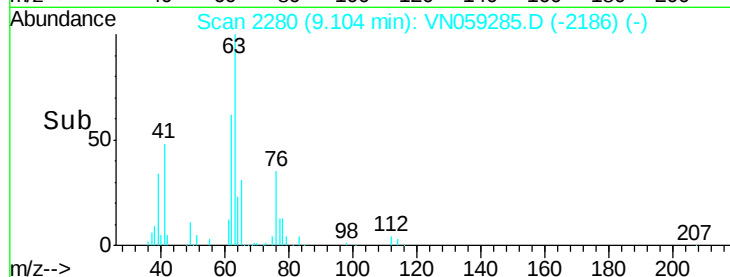
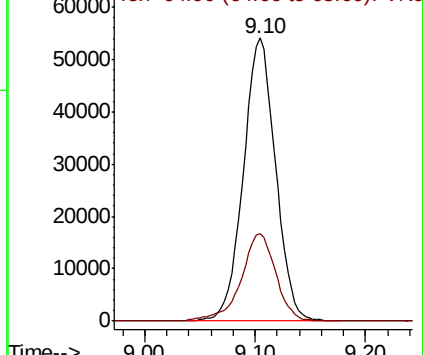
Ion Ratio Lower Upper

63 100

65 31.0 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.681 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

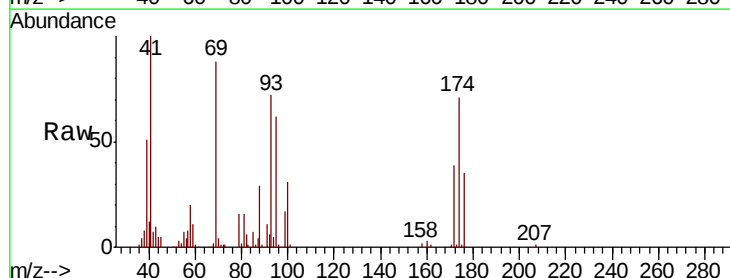
Tgt Ion: 93 Resp: 65379

Ion Ratio Lower Upper

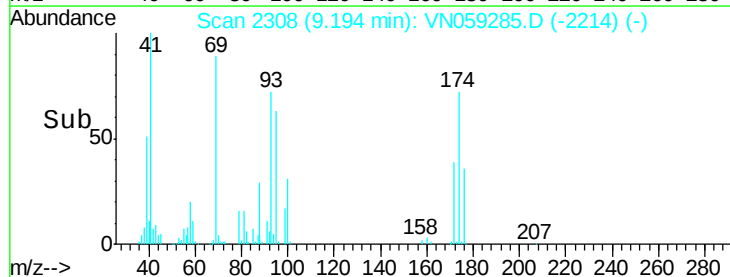
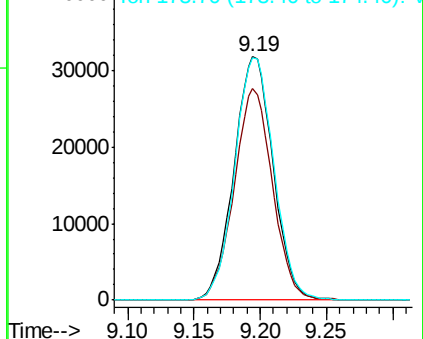
93 100

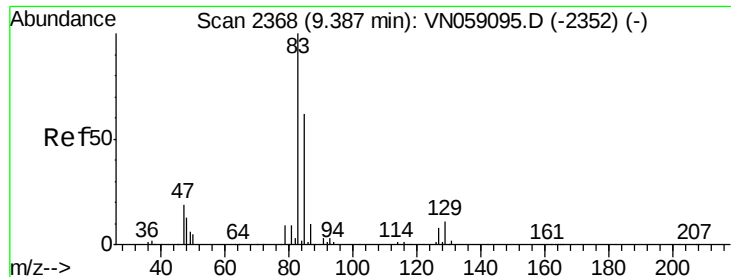
95 84.9 66.6 100.0

174 99.6 78.2 117.2



Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.506 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampled :

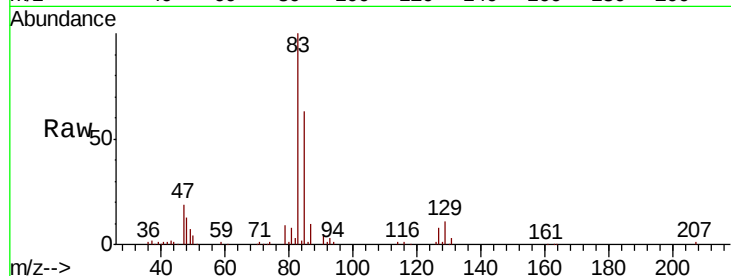
Tot Ion: 83 Resp: 136021

Ion Ratio Lower Upper

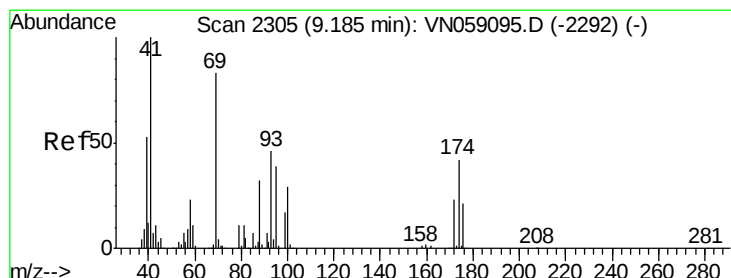
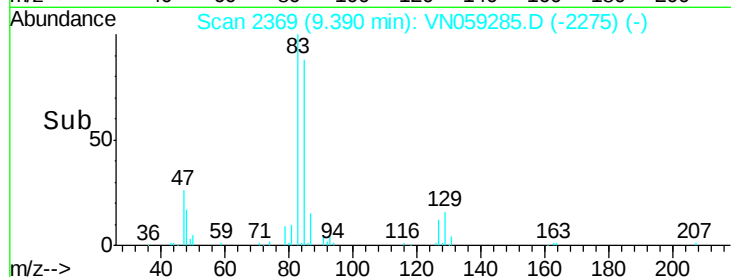
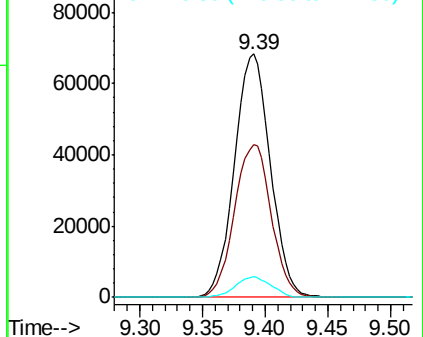
83 100

85 62.8 49.7 74.5

127 8.4 6.4 9.6



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



#48

Methyl methacrylate

Concen: 20.026 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

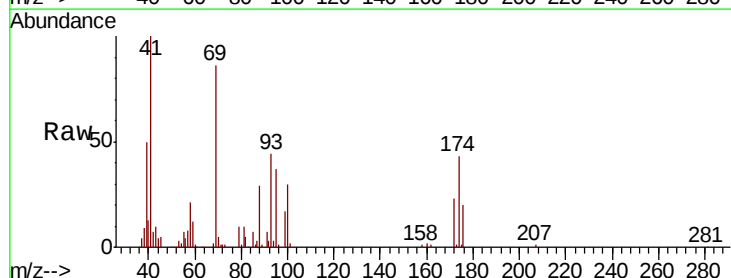
Tgt Ion: 41 Resp: 103540

Ion Ratio Lower Upper

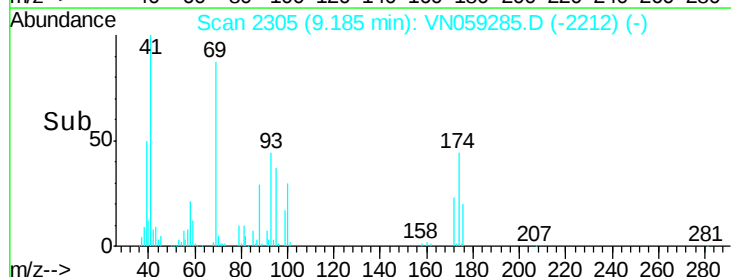
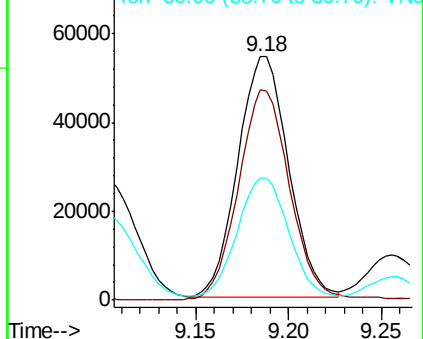
41 100

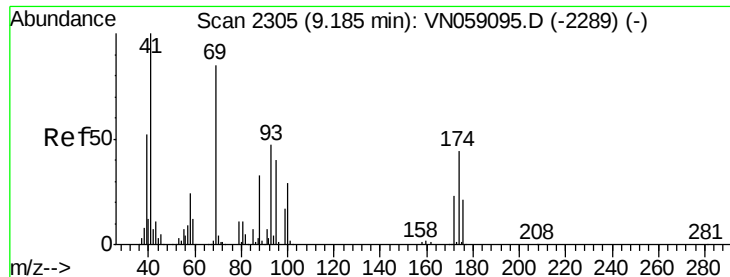
69 88.9 67.3 100.9

39 52.0 43.3 64.9



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





#49

1,4-Dioxane

Concen: 352.040 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampled :

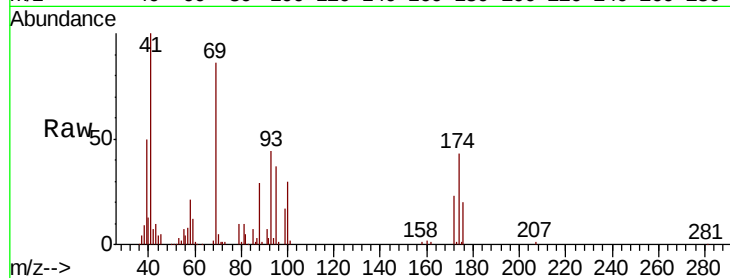
Tot Ion: 88 Resp: 32347

Ion Ratio Lower Upper

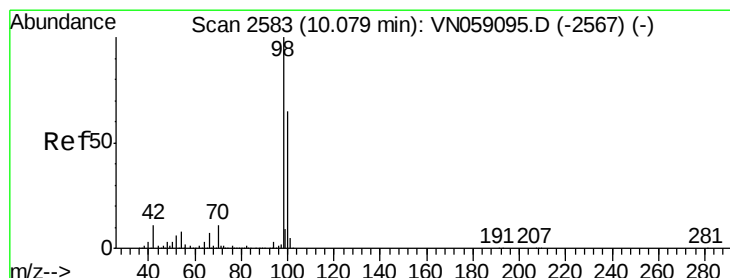
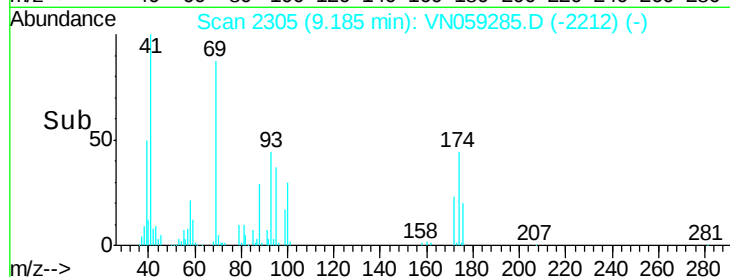
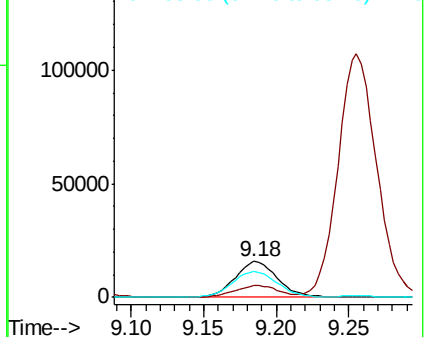
88 100

43 32.6 26.3 39.5

58 76.4 60.6 90.8



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



#50

Toluene-d8

Concen: 45.991 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059285.D

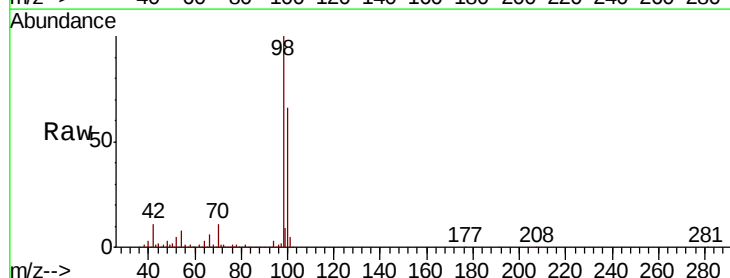
Acq: 18 Nov 2019 15:44

Tgt Ion: 98 Resp: 754212

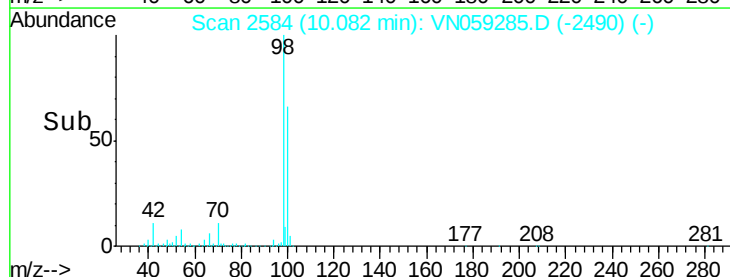
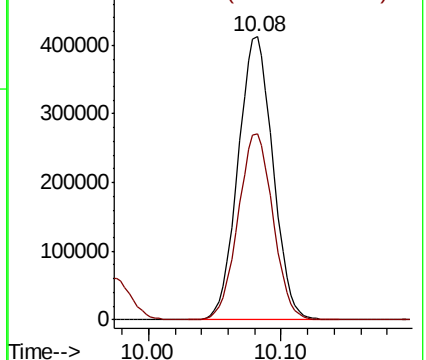
Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 115.906 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

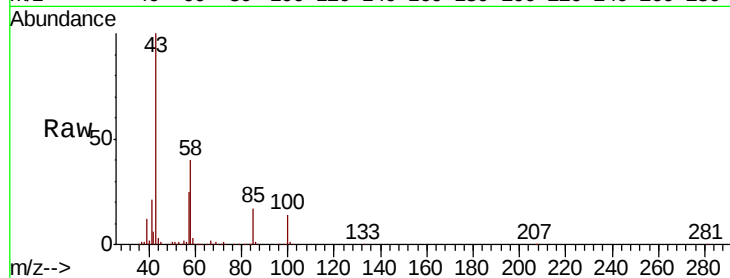
ClientSampleId :

Tot Ion: 43 Resp: 758071

Ion Ratio Lower Upper

43 100

58 40.2 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059285.D (-2457) (-)

Ion 58.00 (57.70 to 58.70): VN059285.D (-2457) (-)

9.97

400000

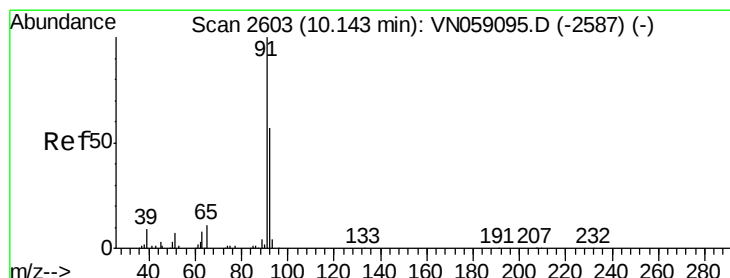
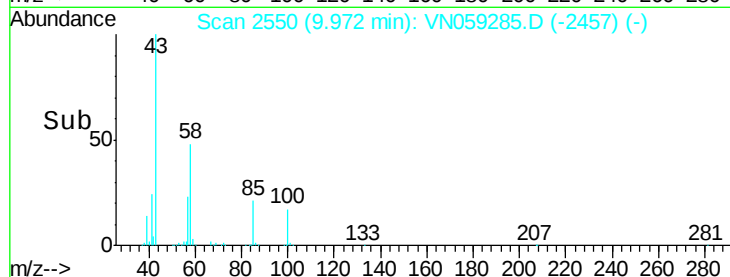
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.339 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059285.D

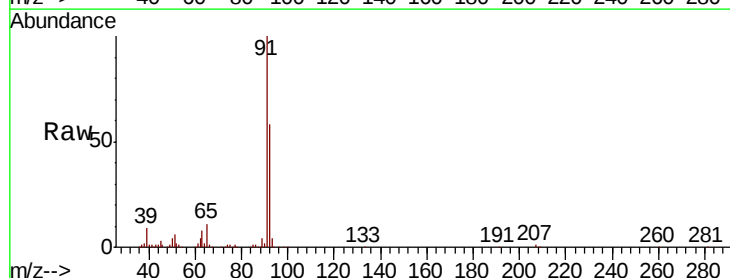
Acq: 18 Nov 2019 15:44

Tgt Ion: 92 Resp: 239252

Ion Ratio Lower Upper

92 100

91 174.1 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059285.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN059285.D (-2510) (-)

10.15

250000

200000

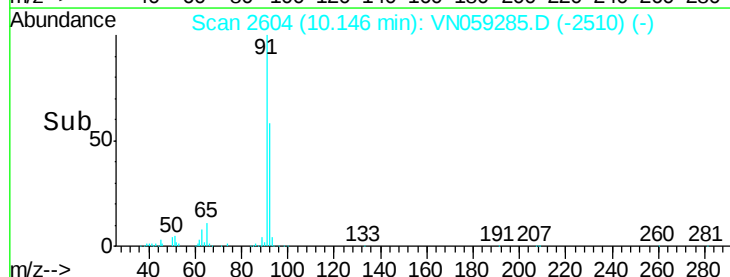
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.414 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

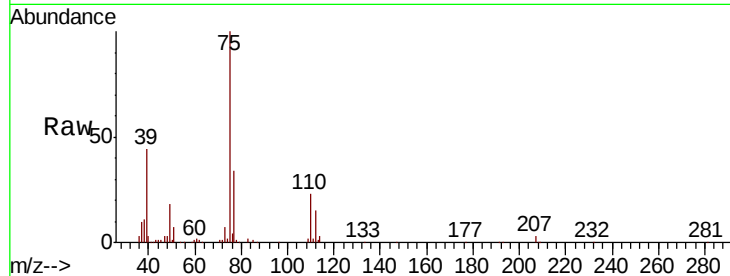
ClientSampleId :

Tot Ion: 75 Resp: 156447

Ion Ratio Lower Upper

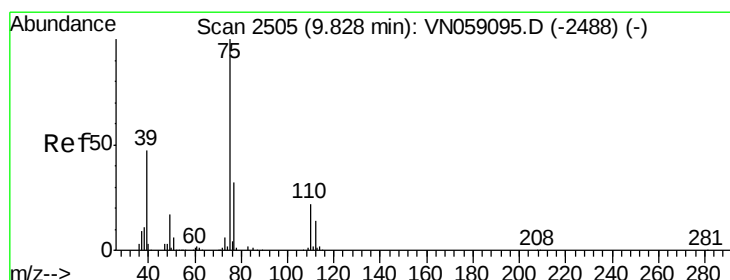
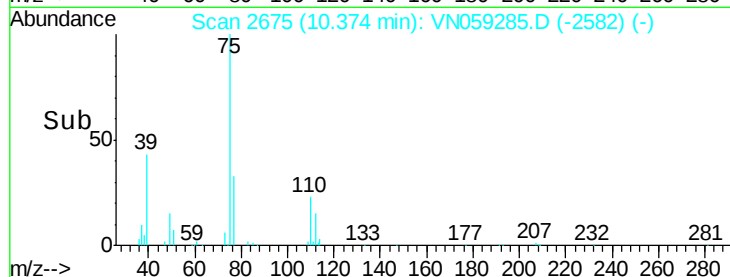
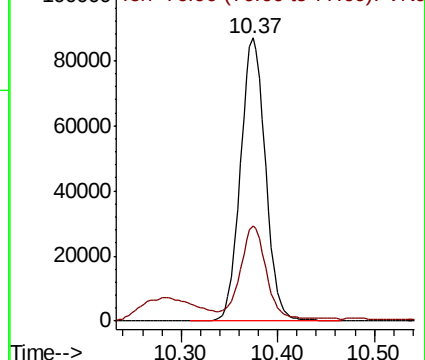
75 100

77 33.1 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.610 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

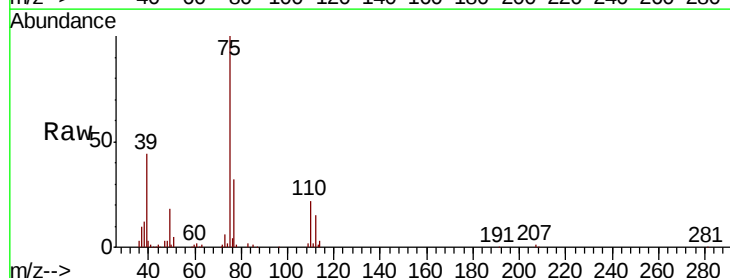
Tgt Ion: 75 Resp: 169903

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

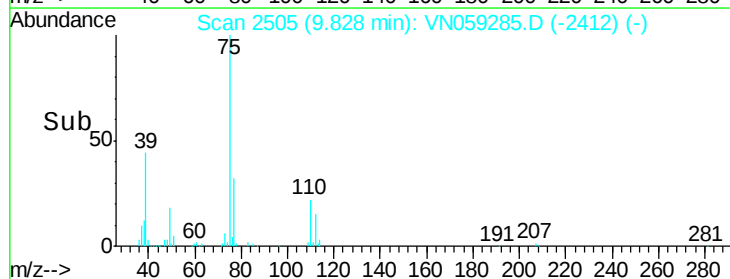
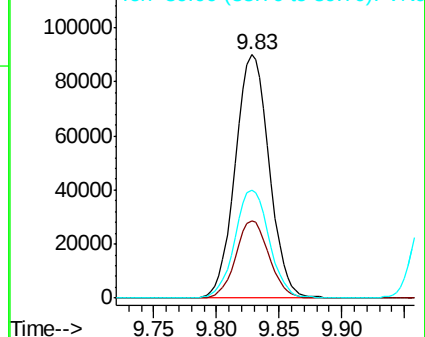
39 44.2 37.3 55.9

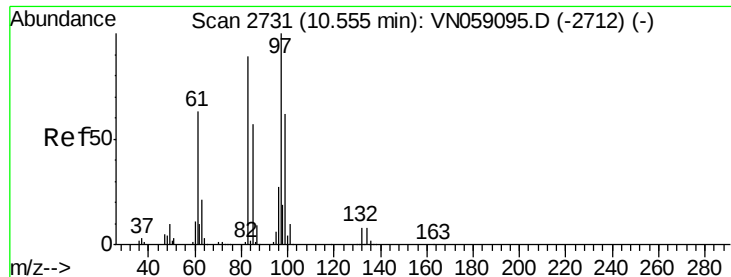


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.893 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

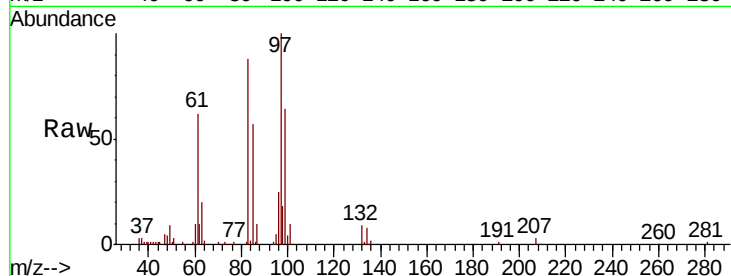
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 99468

Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.0	106.4
85	56.8	45.8	68.8
99	64.0	49.4	74.0



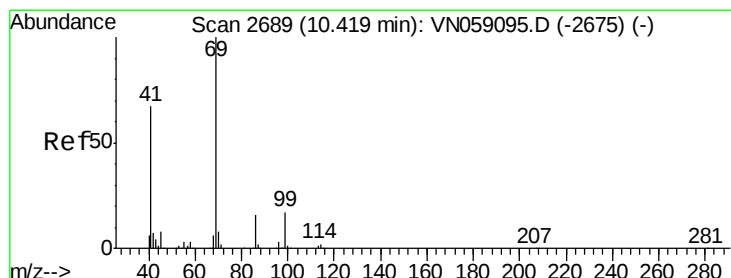
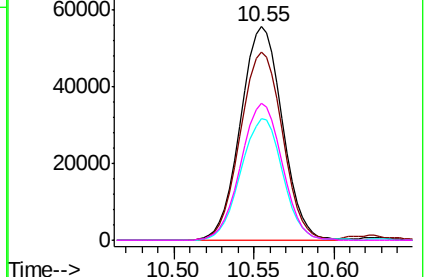
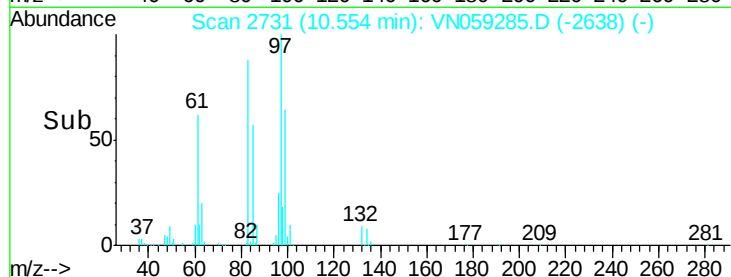
Abundance

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: 20.112 ug/l

RT: 10.42 min Scan# 2690

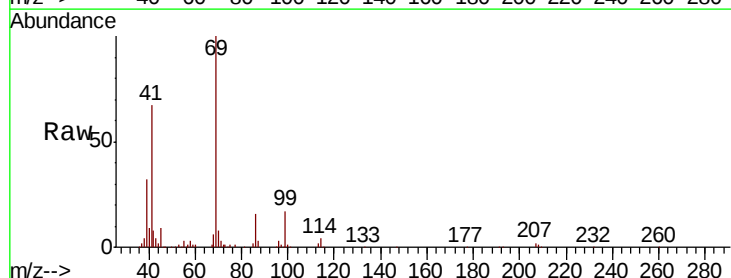
Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Tgt Ion: 69 Resp: 150457

Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.6	80.4
39	31.6	26.2	39.4

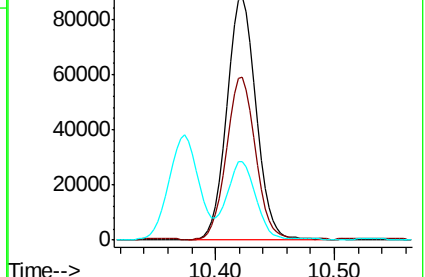
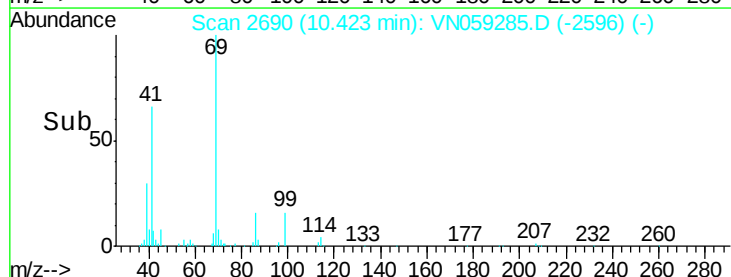


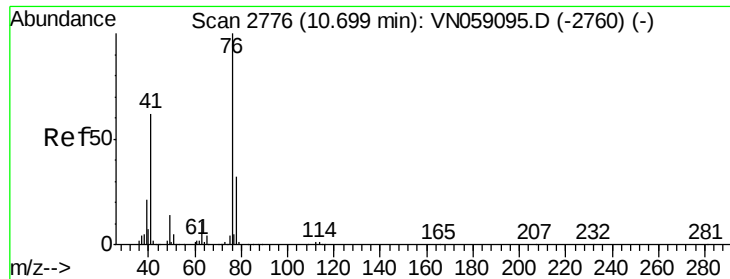
Abundance

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: 20.965 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

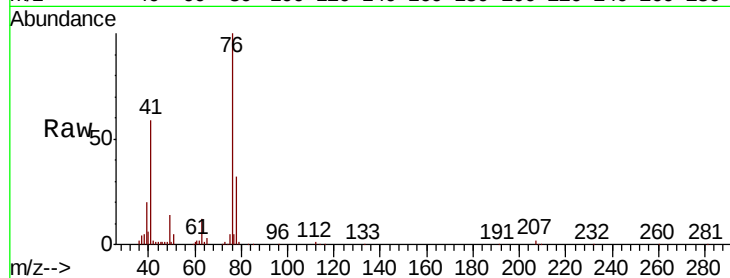
ClientSampleId :

Tot Ion: 76 Resp: 171780

Ion Ratio Lower Upper

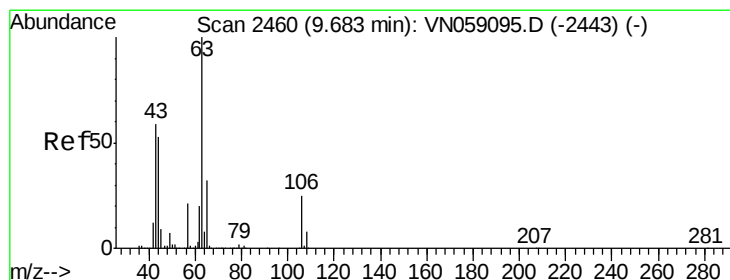
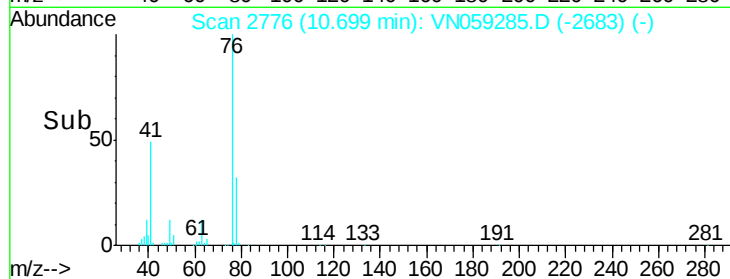
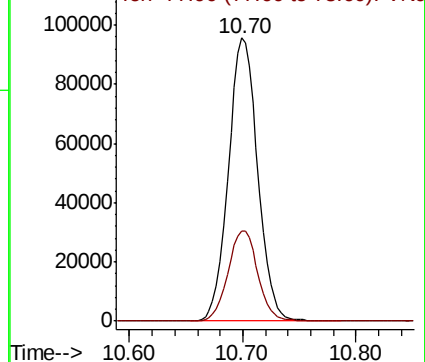
76 100

78 32.4 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: 108.009 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059285.D

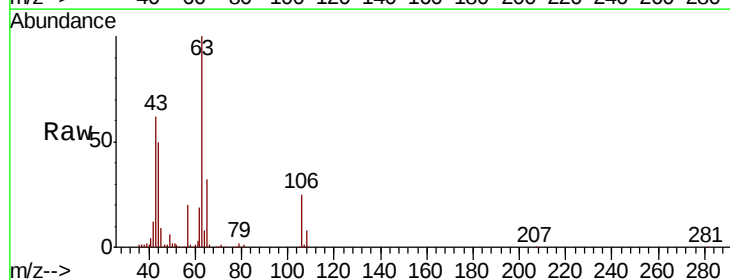
Acq: 18 Nov 2019 15:44

Tgt Ion: 63 Resp: 286168

Ion Ratio Lower Upper

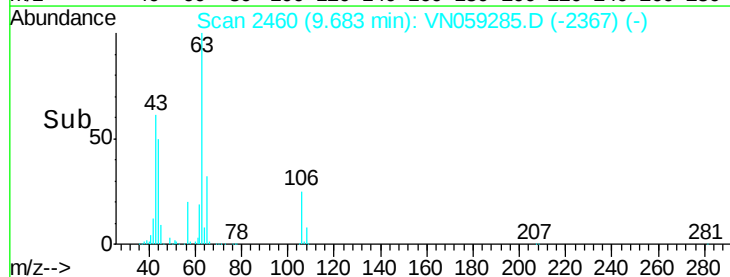
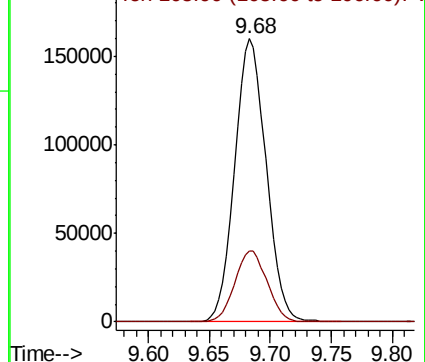
63 100

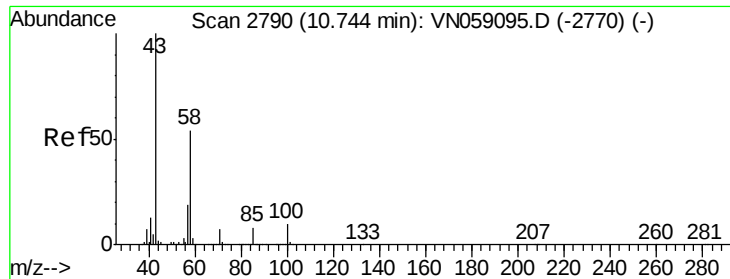
106 25.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

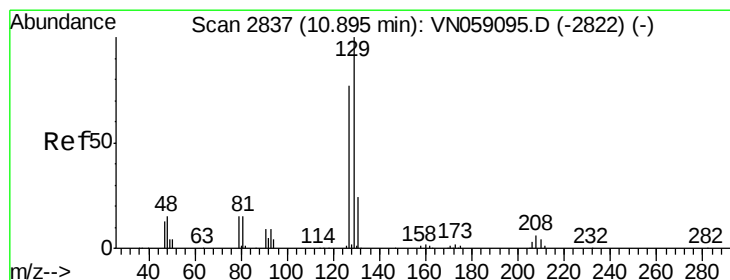
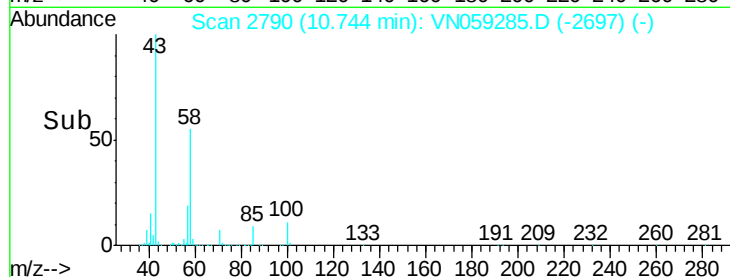
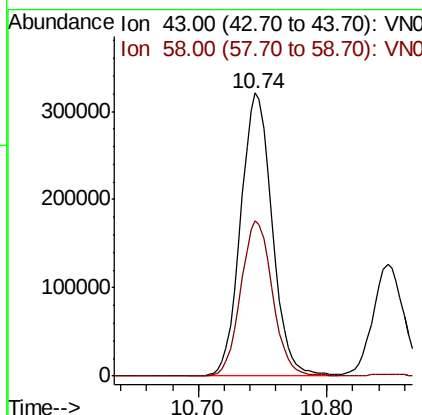
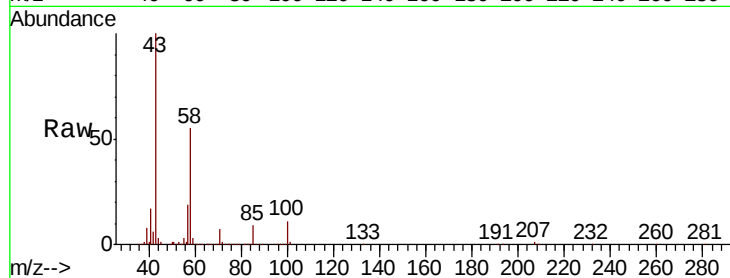




#59
2-Hexanone
Concen: 108.359 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

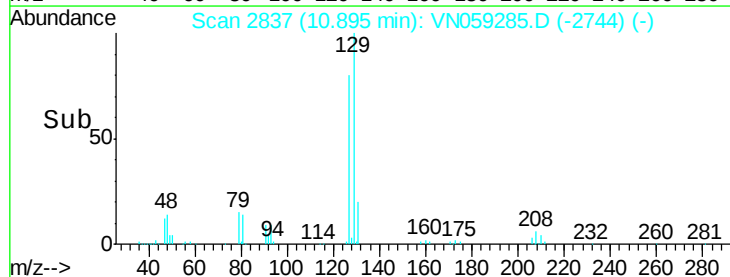
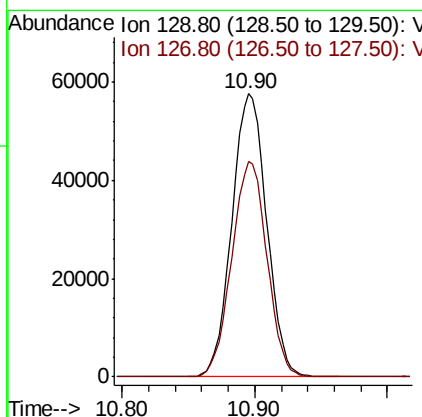
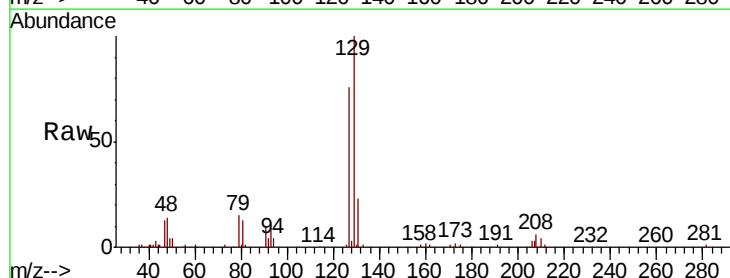
Instrument :
MSVOA_N
ClientSampleId :

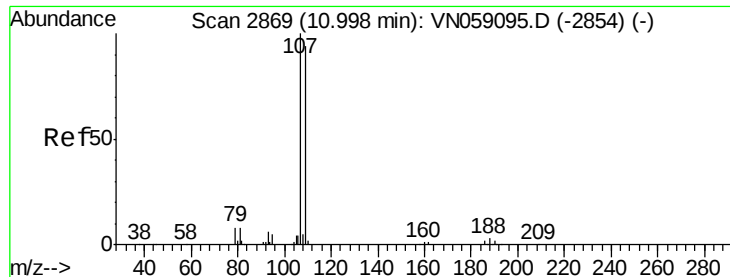
Tot Ion: 43 Resp: 543972
Ion Ratio Lower Upper
43 100
58 55.5 27.3 81.8



#60
Dibromochloromethane
Concen: 20.882 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 129 Resp: 105108
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8

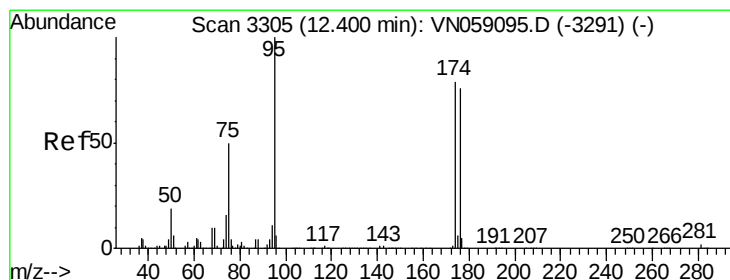
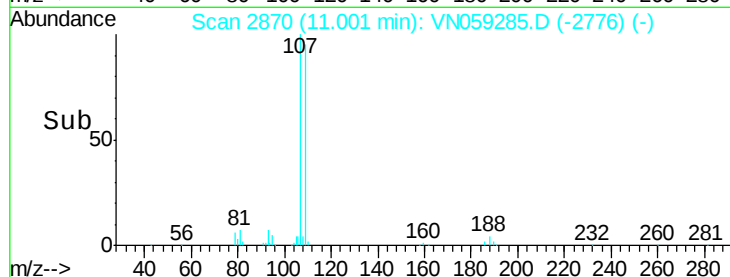
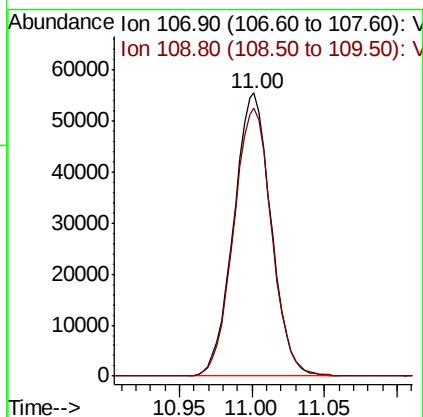
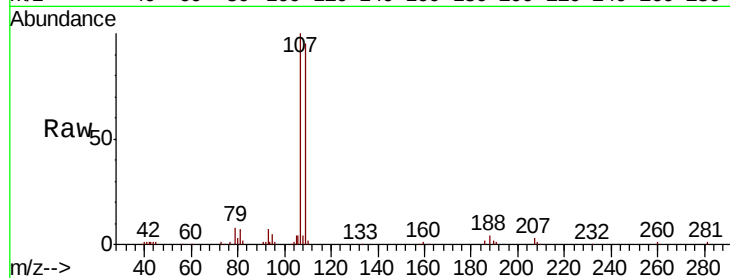




#61
 1,2-Dibromoethane
 Concen: 20.606 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

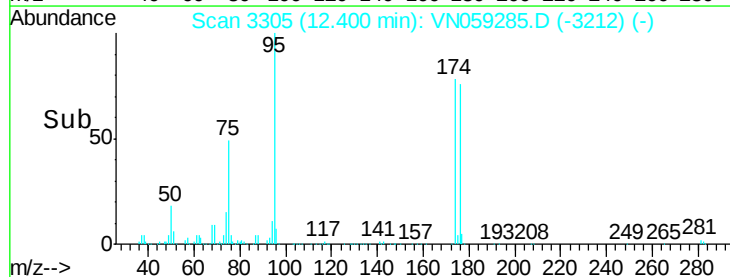
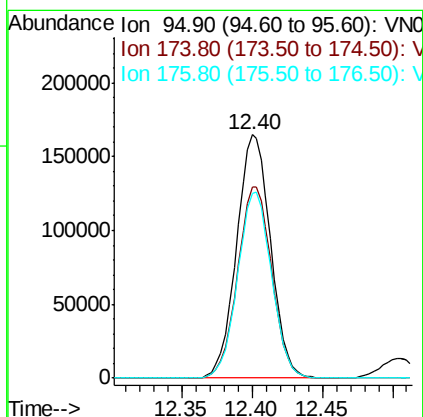
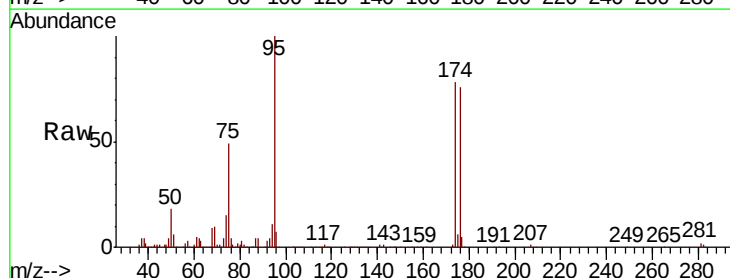
Instrument :
 MSVOA_N
 ClientSampleId :

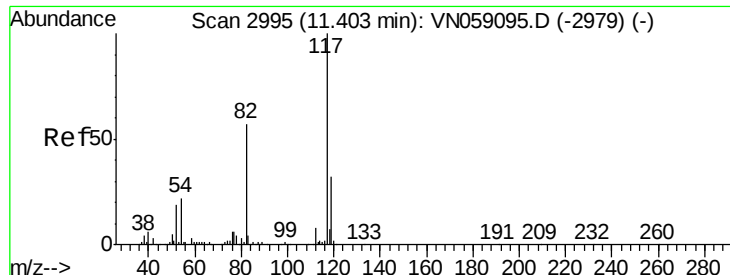
Tot Ion:107 Resp: 99307
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 47.063 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion: 95 Resp: 278282
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 158.2
 176 76.1 0.0 151.8

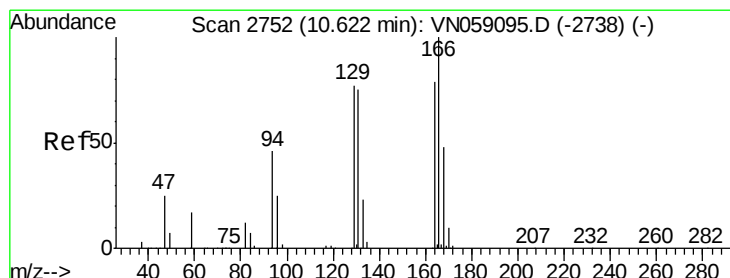
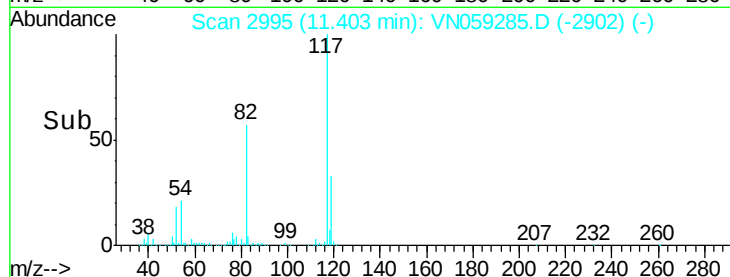
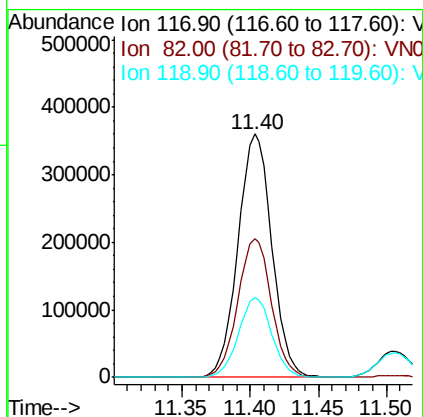
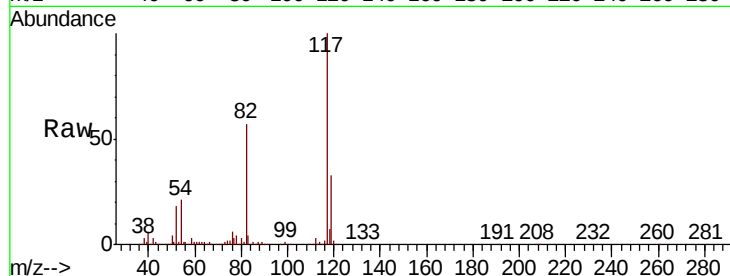




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

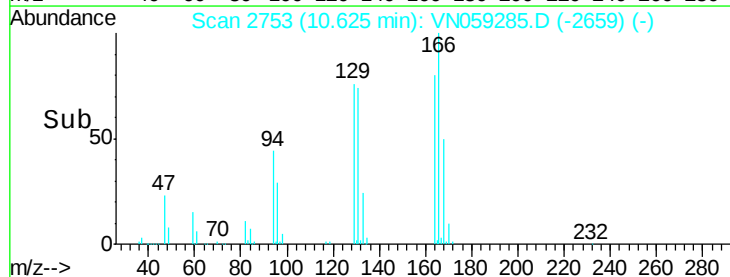
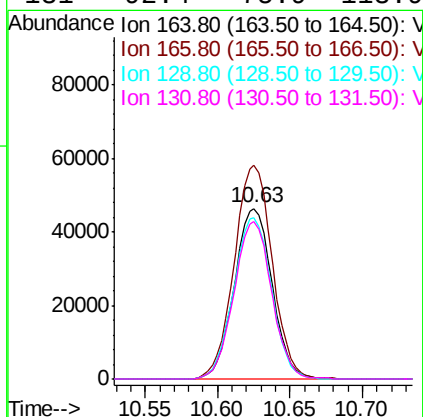
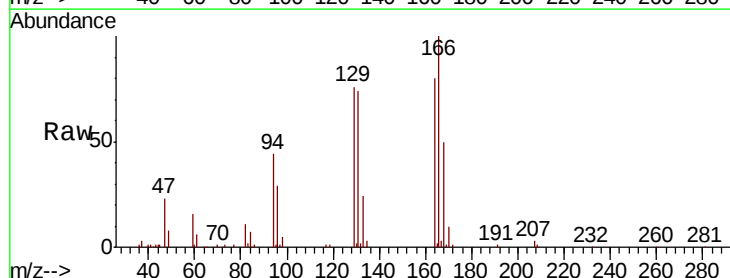
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 619838
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.8
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 20.019 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion:164 Resp: 84375
Ion Ratio Lower Upper
164 100
166 125.0 101.5 152.3
129 94.6 78.3 117.5
131 92.4 75.9 113.9

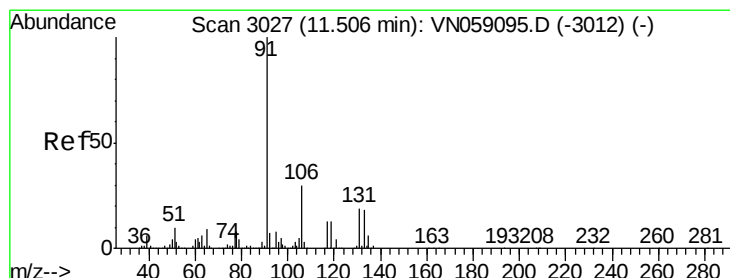
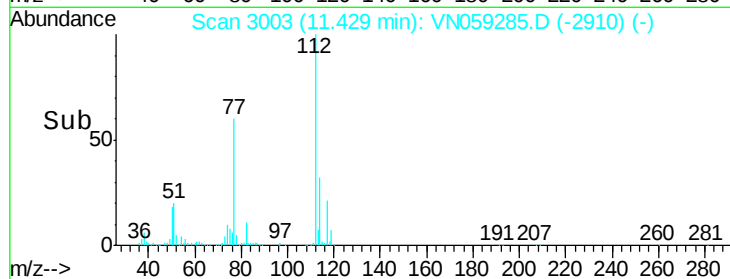
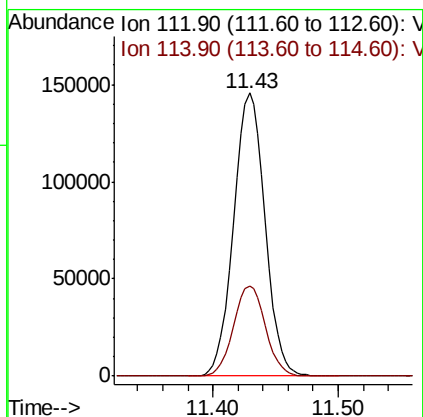
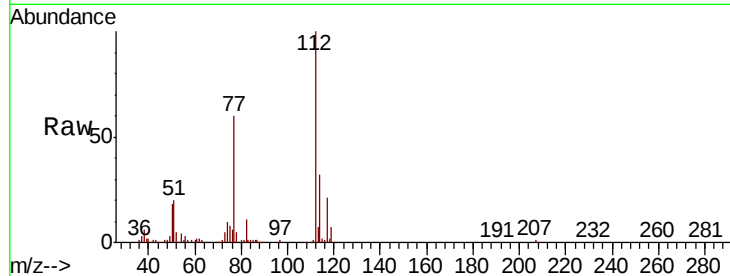




#65
Chlorobenzene
Concen: 20.962 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

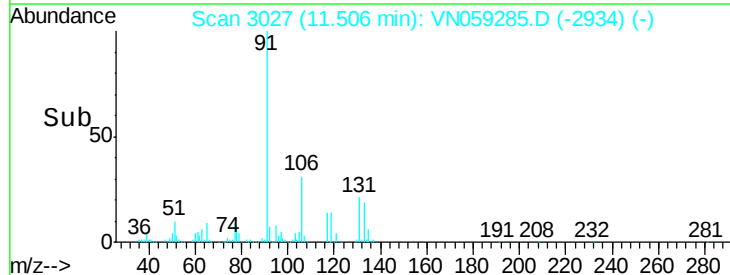
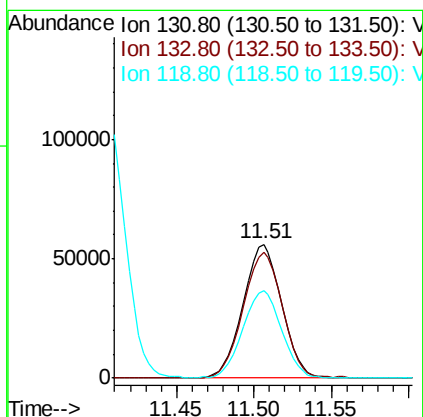
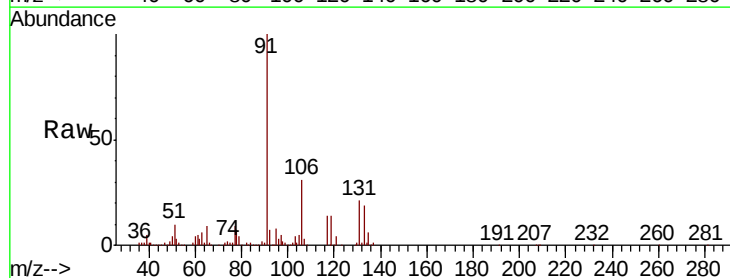
Instrument :
MSVOA_N
ClientSampleId :

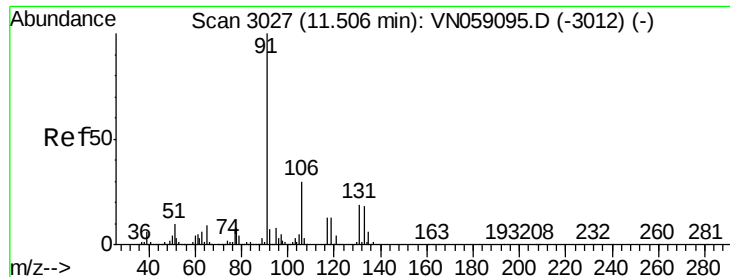
Tot Ion:112 Resp: 253288
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.476 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion:131 Resp: 97344
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 66.3 33.2 99.6





#67

Ethyl Benzene

Concen: 21.362 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

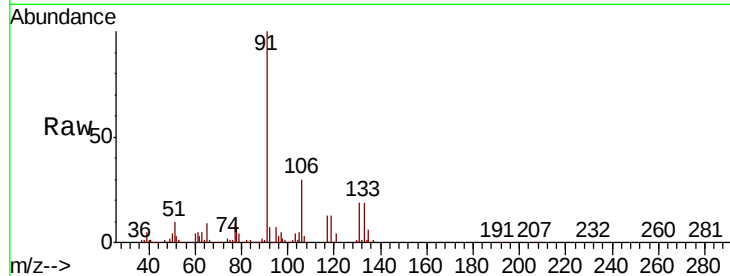
ClientSampled :

Tot Ion: 91 Resp: 457961

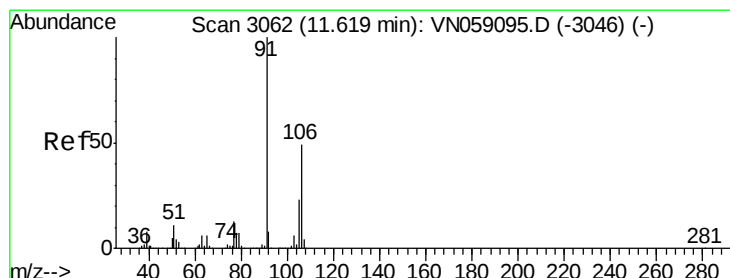
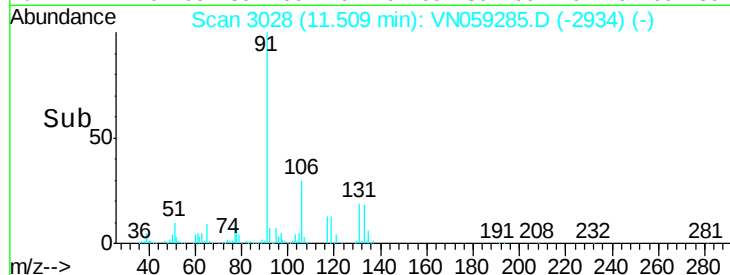
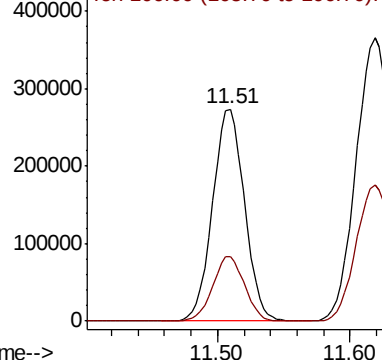
Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3012) (-)



#68

m/p-Xylenes

Concen: 42.203 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059285.D

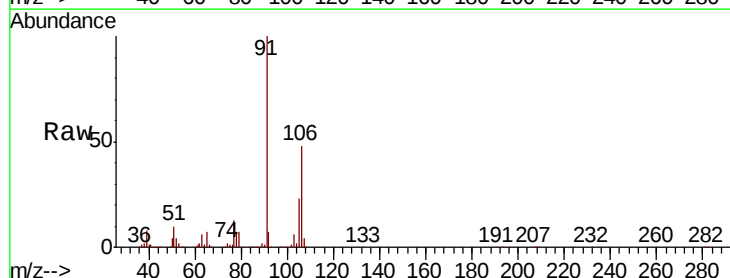
Acq: 18 Nov 2019 15:44

Tgt Ion: 106 Resp: 338906

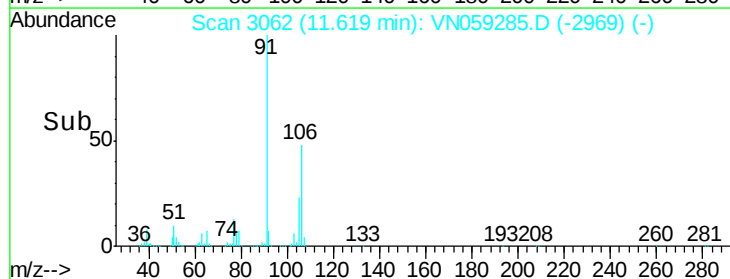
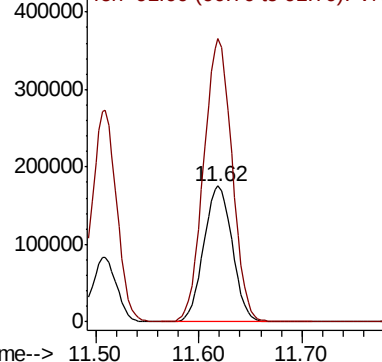
Ion Ratio Lower Upper

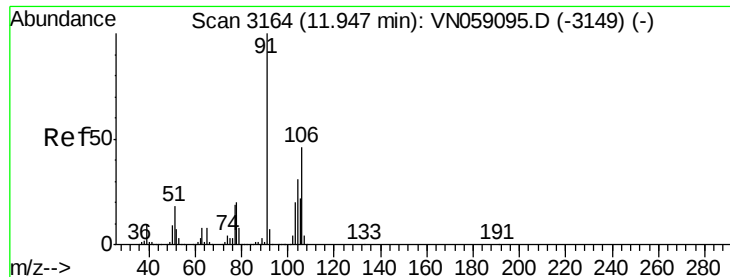
106 100

91 206.9 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059095.D (-3046) (-)

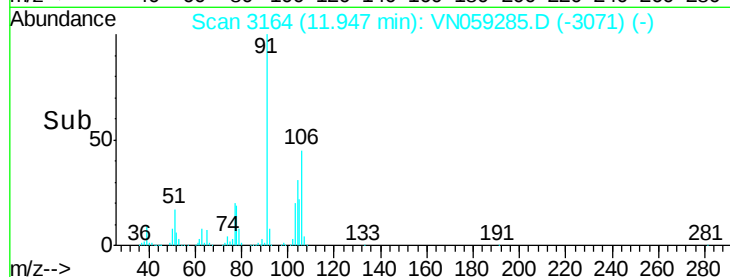
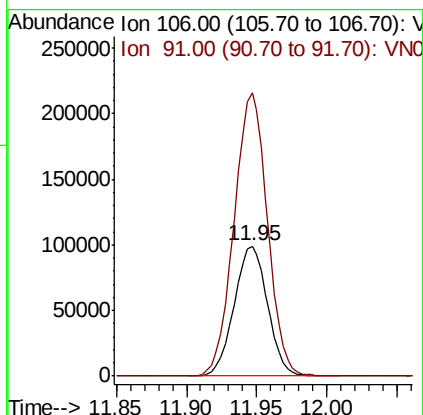
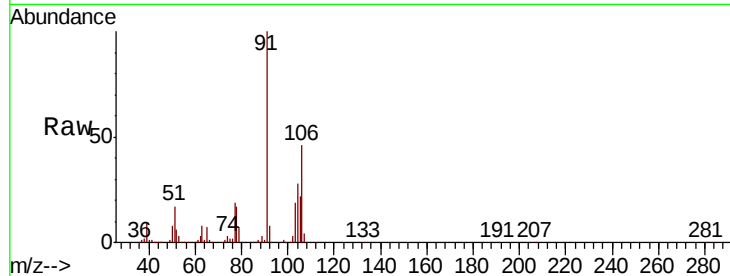




#69
o-Xylene
Concen: 21.195 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

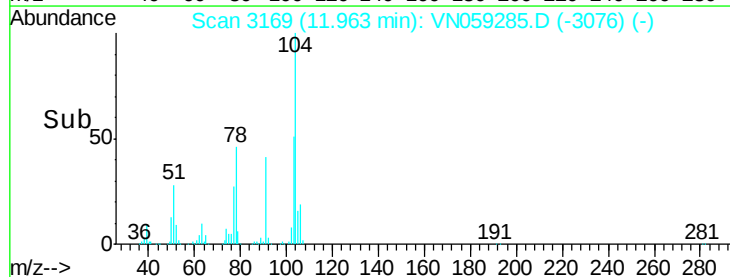
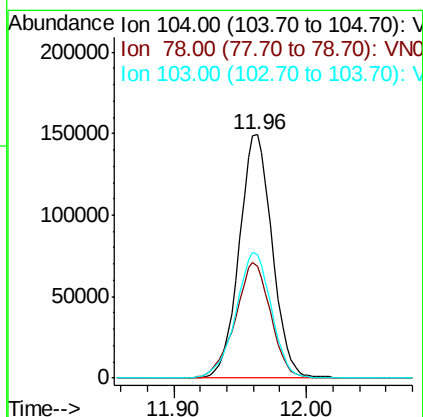
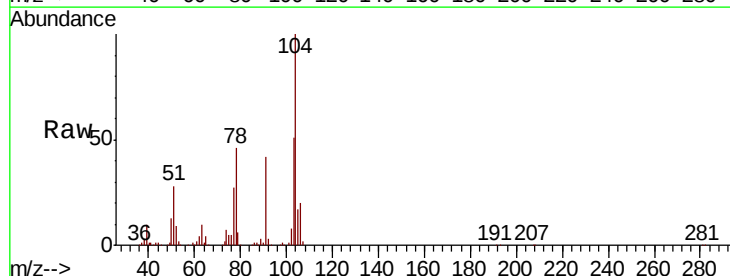
Instrument :
MSVOA_N
ClientSampled :

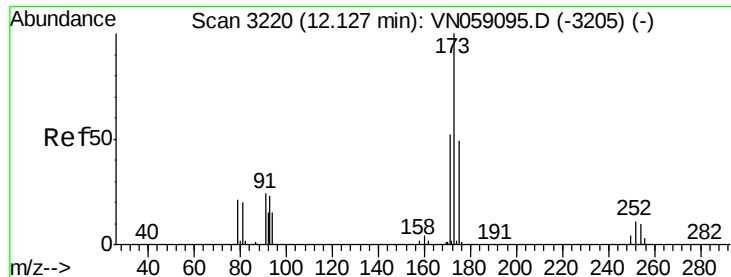
Tot Ion:106 Resp: 164489
Ion Ratio Lower Upper
106 100
91 218.1 110.1 330.3



#70
Styrene
Concen: 21.147 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion:104 Resp: 258107
Ion Ratio Lower Upper
104 100
78 51.1 41.2 61.8
103 55.6 43.8 65.6

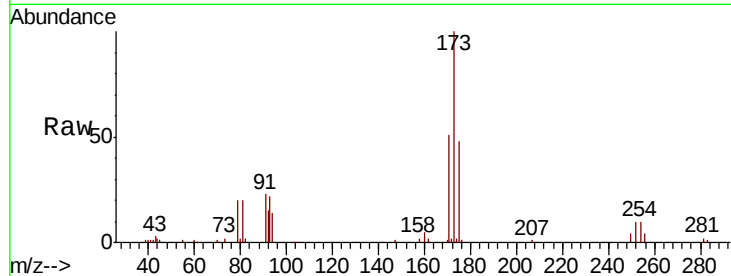




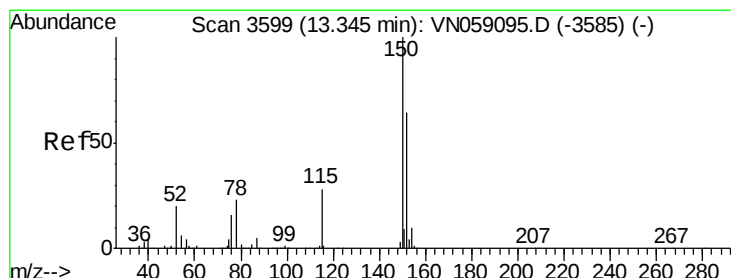
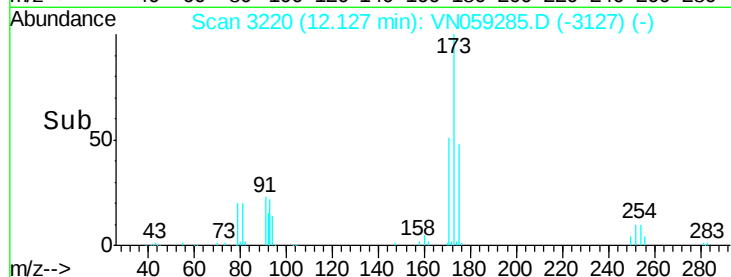
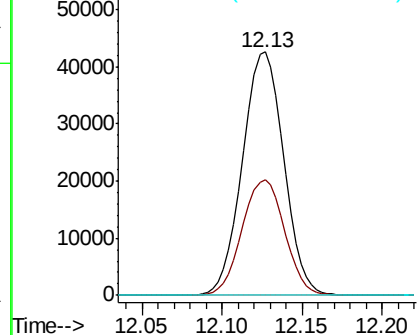
#71
Bromoform
Concen: 21.318 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.2	72.6
254	0.0	0.1	0.1

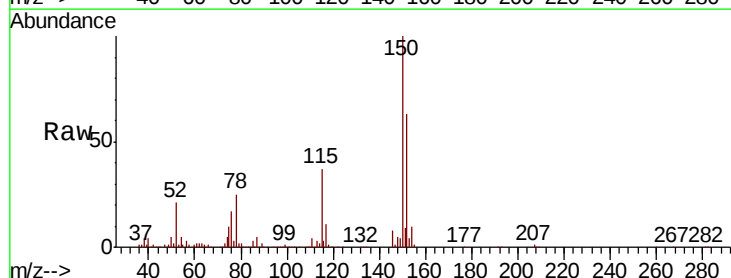


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

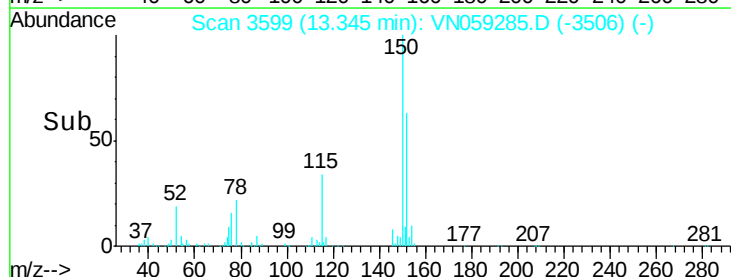
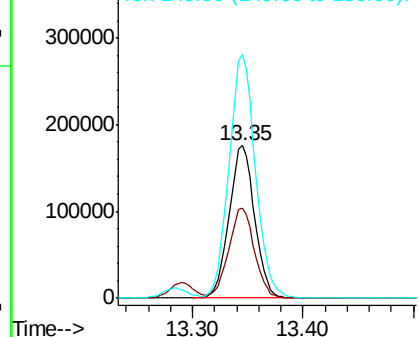


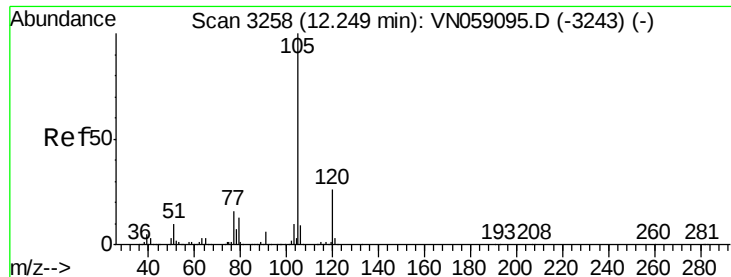
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	165.9	0.0	345.8



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





#73

Isopropylbenzene

Concen: 21.692 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

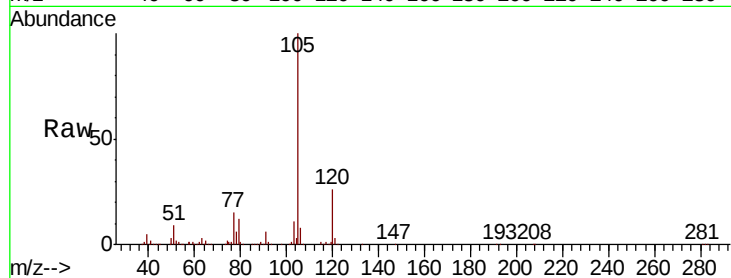
ClientSampleId :

Tot Ion:105 Resp: 443962

Ion Ratio Lower Upper

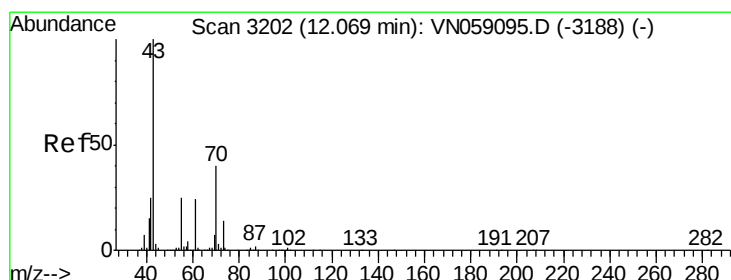
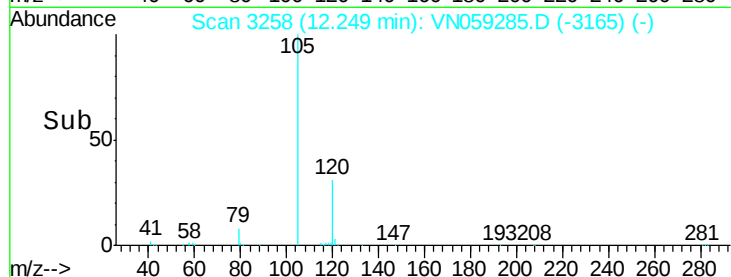
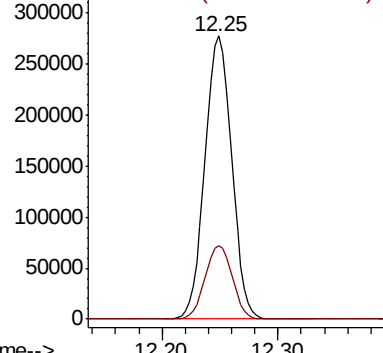
105 100

120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.064 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Tgt Ion: 43 Resp: 182675

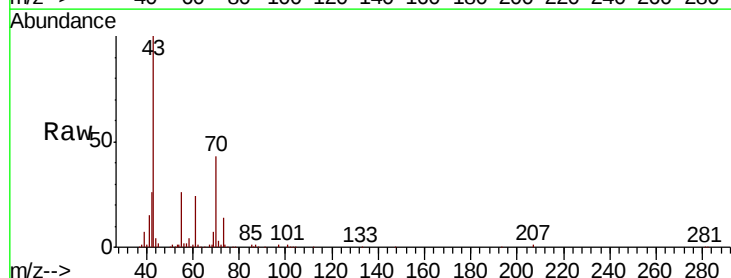
Ion Ratio Lower Upper

43 100

70 42.8 32.2 48.4

55 25.9 20.4 30.6

61 25.1 19.3 28.9

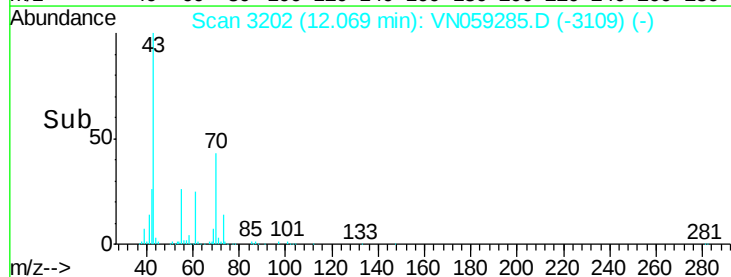
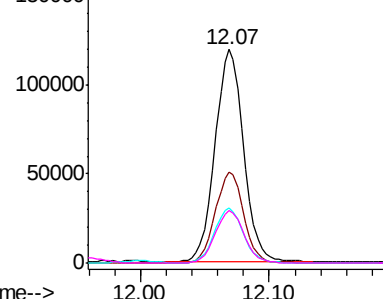


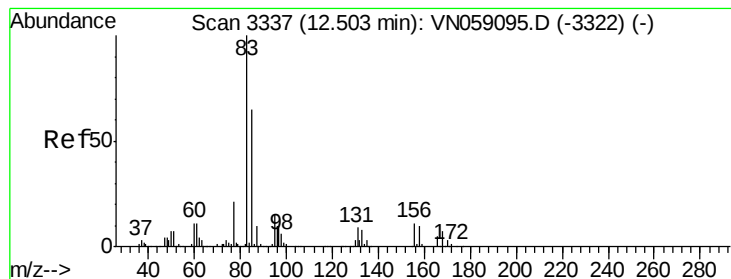
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.100 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

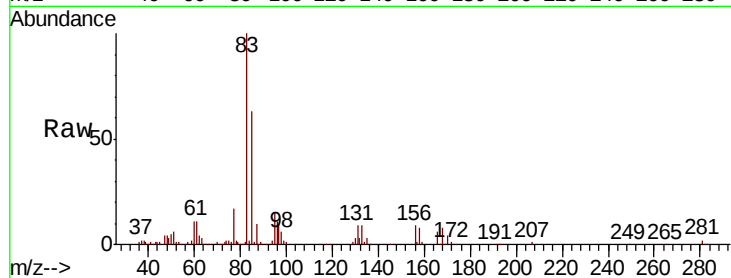
Tot Ion: 83 Resp: 154036

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.6

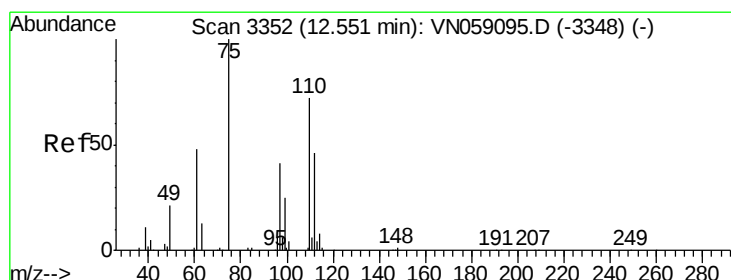
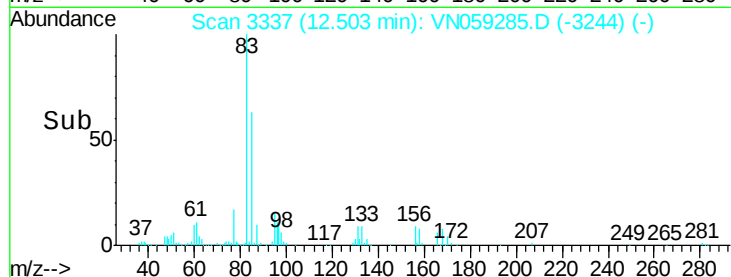
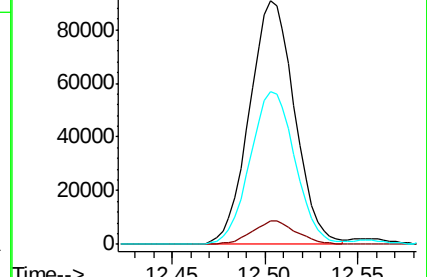
85 62.8 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 31.464 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059285.D

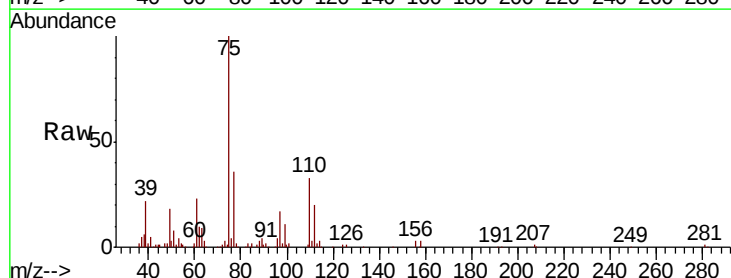
Acq: 18 Nov 2019 15:44

Tgt Ion: 75 Resp: 201551

Ion Ratio Lower Upper

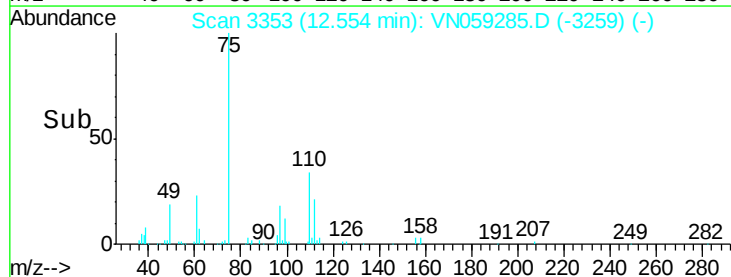
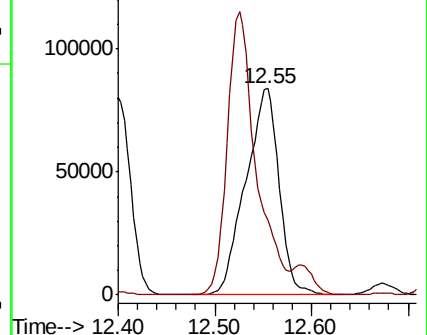
75 100

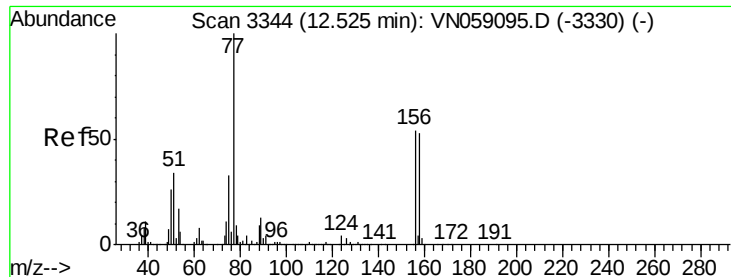
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.793 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

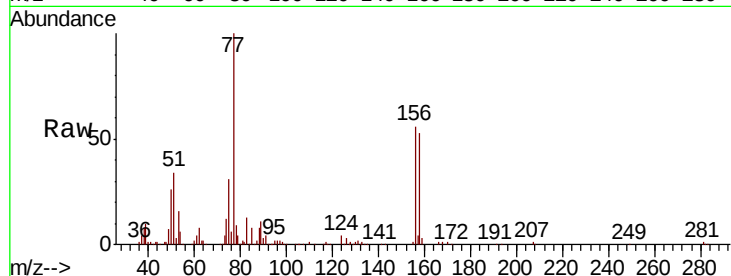
Tot Ion:156 Resp: 106917

Ion Ratio Lower Upper

156 100

77 223.9 112.8 338.3

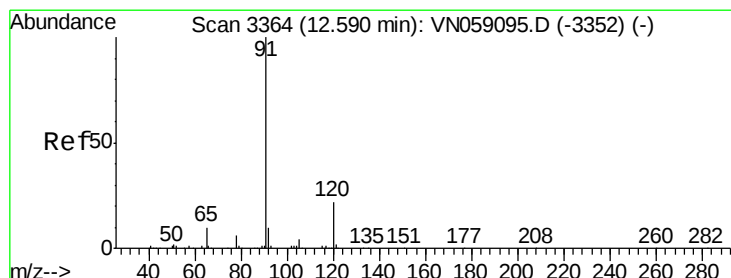
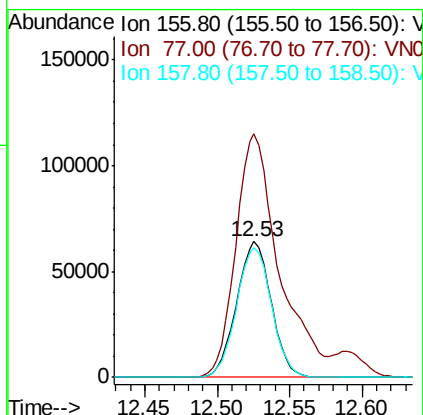
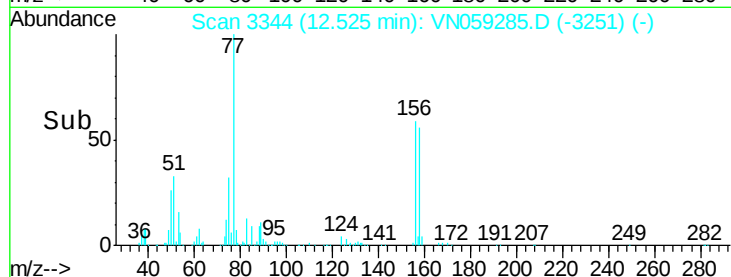
158 96.7 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.428 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059285.D

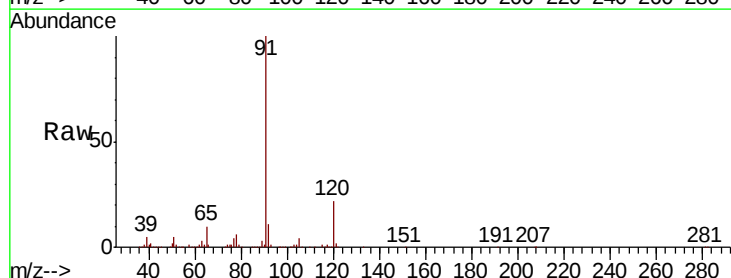
Acq: 18 Nov 2019 15:44

Tgt Ion: 91 Resp: 502161

Ion Ratio Lower Upper

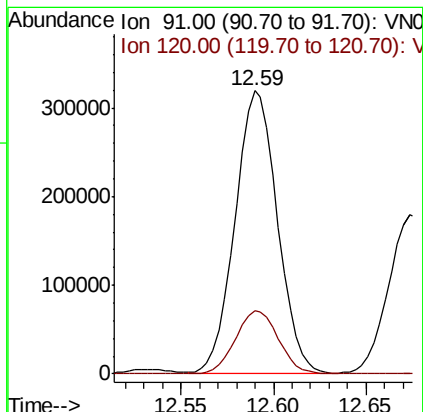
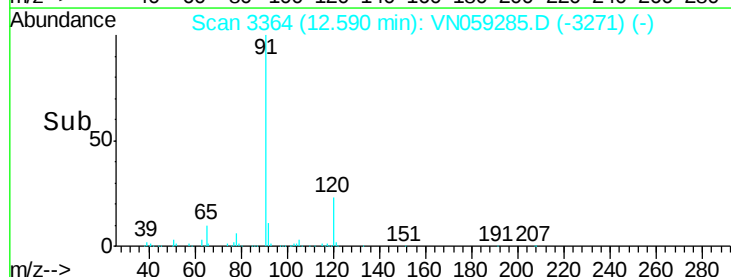
91 100

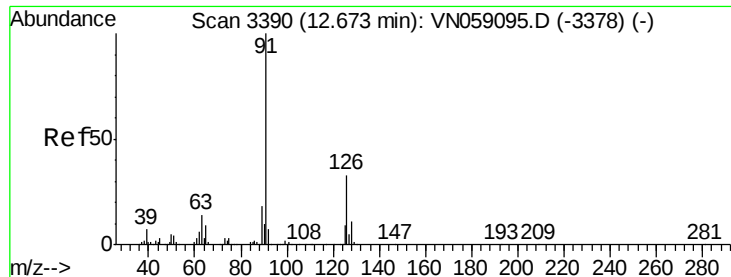
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

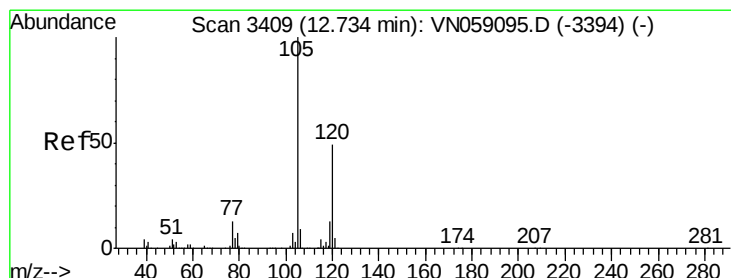
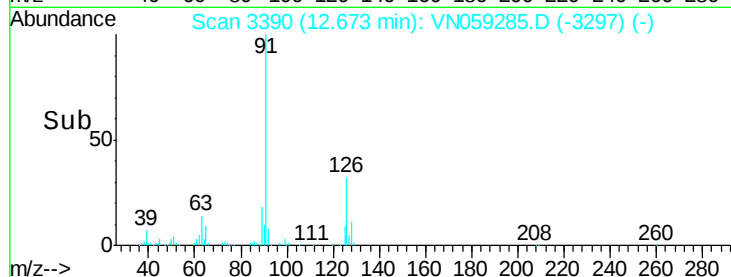
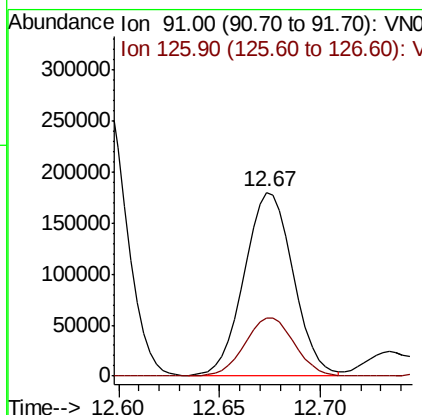
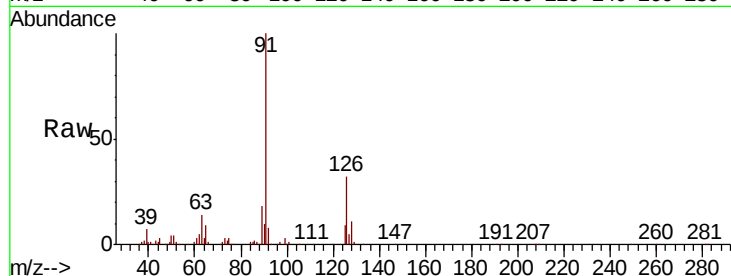




#79
 2-Chlorotoluene
 Concen: 20.917 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

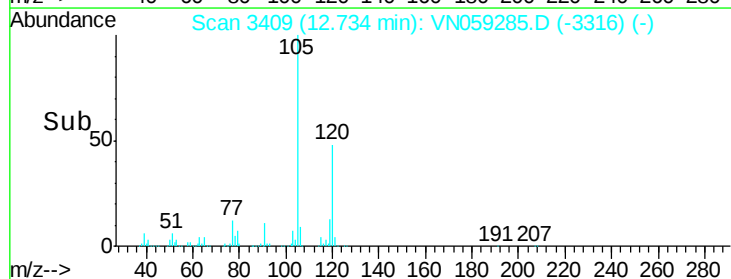
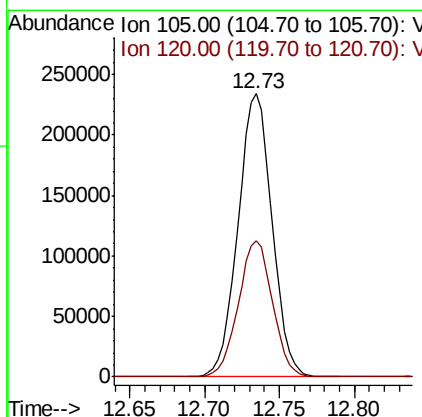
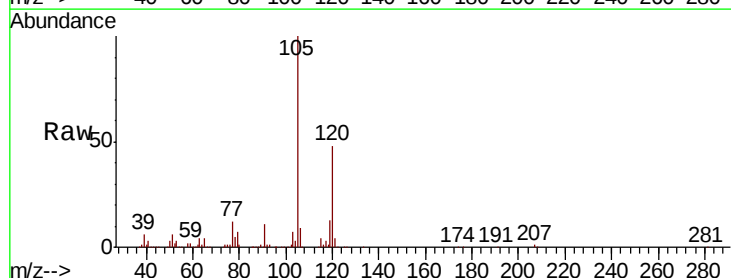
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 304084
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.238 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion: 105 Resp: 368318
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.570 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampled :

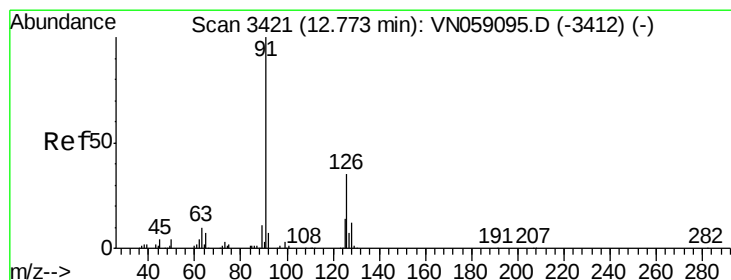
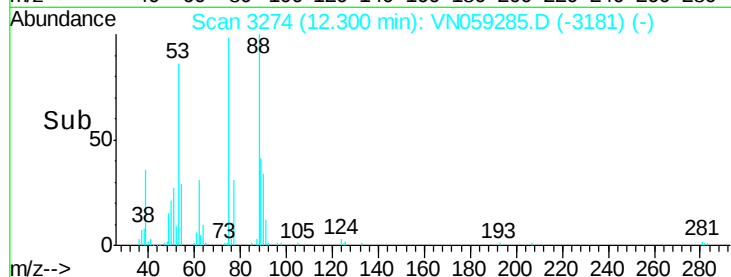
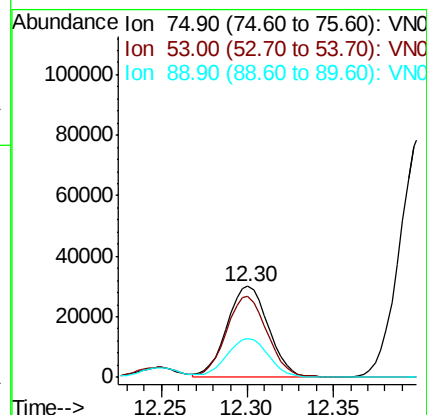
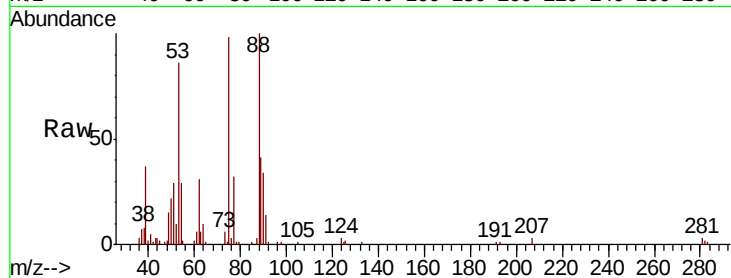
Tot Ion: 75 Resp: 49887

Ion Ratio Lower Upper

75 100

53 90.2 72.2 108.2

89 43.7 35.8 53.8



#82

4-Chlorotoluene

Concen: 21.017 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059285.D

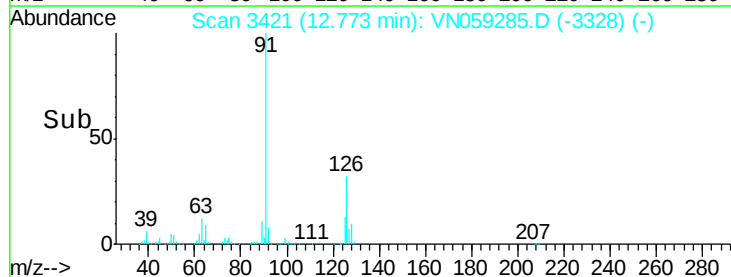
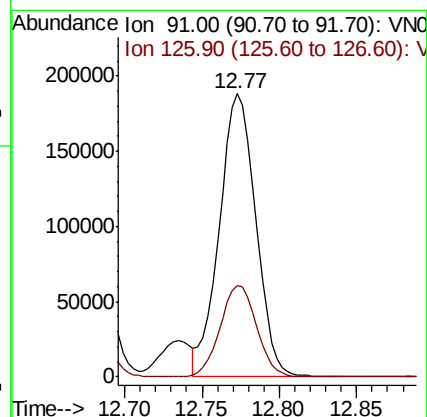
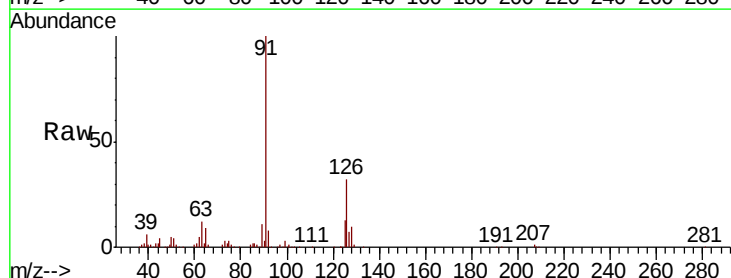
Acq: 18 Nov 2019 15:44

Tgt Ion: 91 Resp: 306447

Ion Ratio Lower Upper

91 100

126 32.6 16.1 48.2

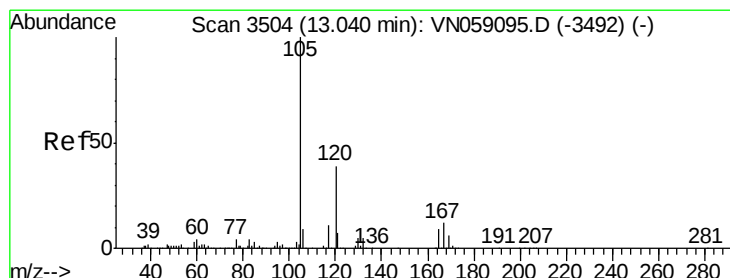
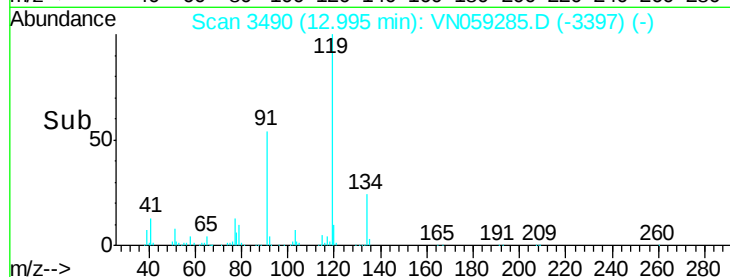
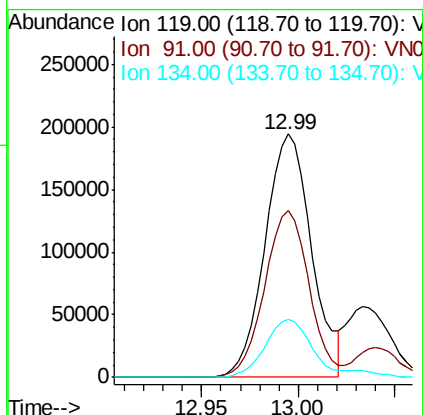
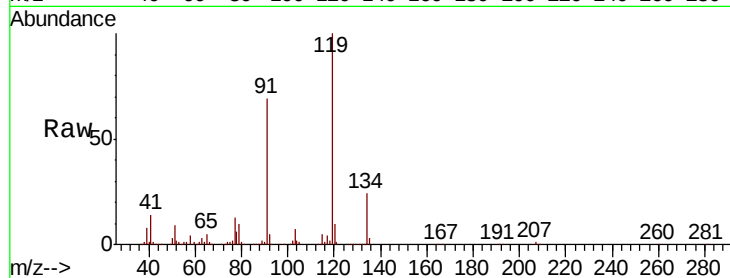




#83
 tert-Butylbenzene
 Concen: 21.702 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

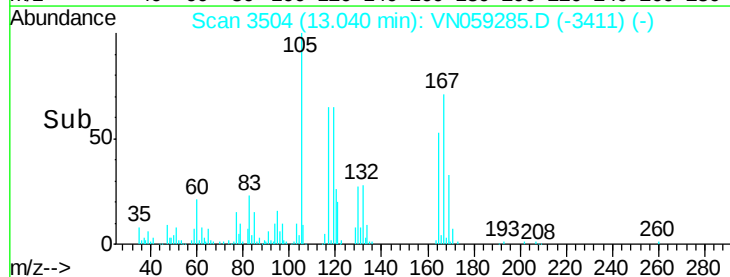
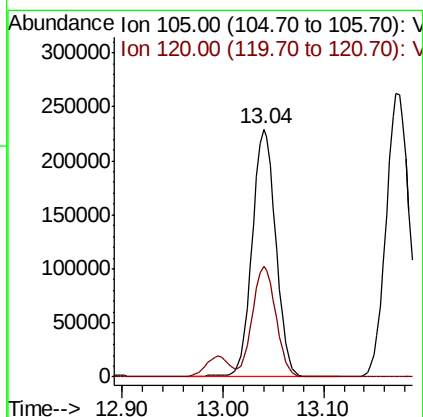
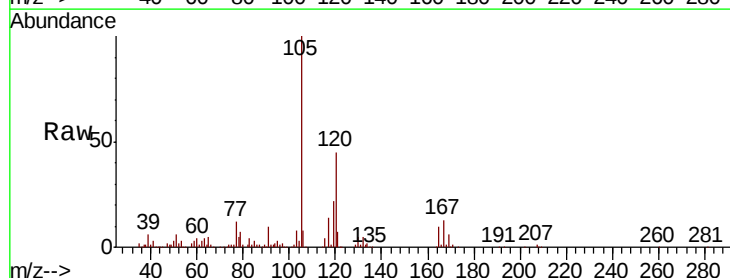
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 325018
 Ion Ratio Lower Upper
 119 100
 91 65.8 33.2 99.6
 134 23.6 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.039 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion:105 Resp: 369793
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 21.904 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

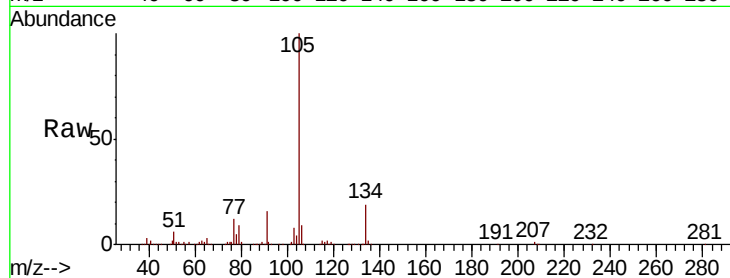
ClientSampleId :

Tot Ion:105 Resp: 426648

Ion Ratio Lower Upper

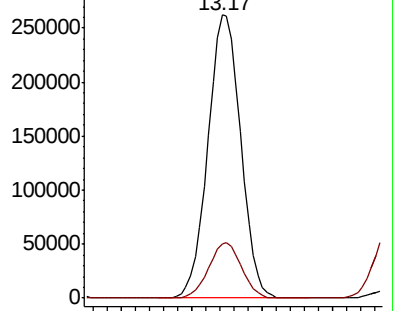
105 100

134 19.6 9.7 29.1

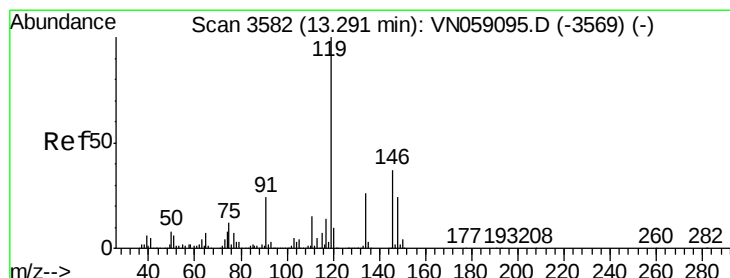
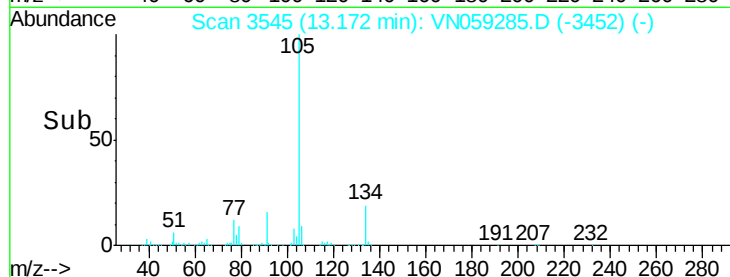


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 21.817 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

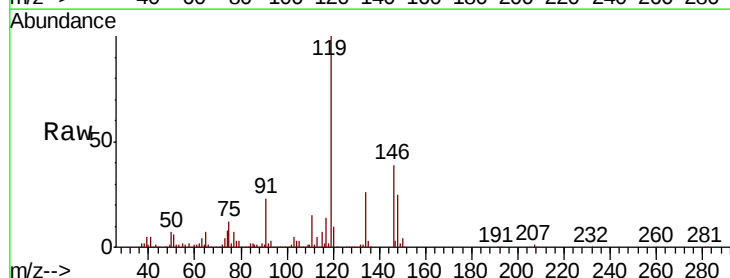
Tgt Ion:119 Resp: 375219

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

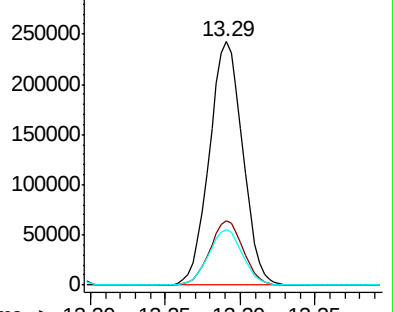
91 23.2 11.7 35.1



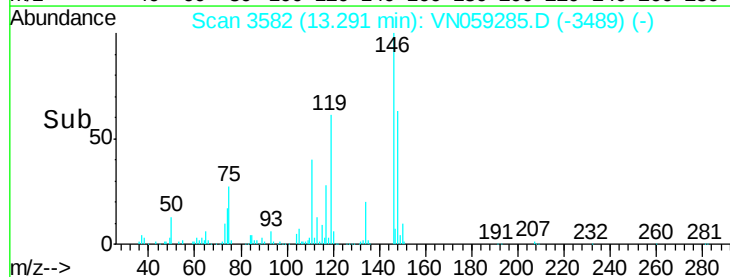
Abundance Ion 119.00 (118.70 to 119.70): V

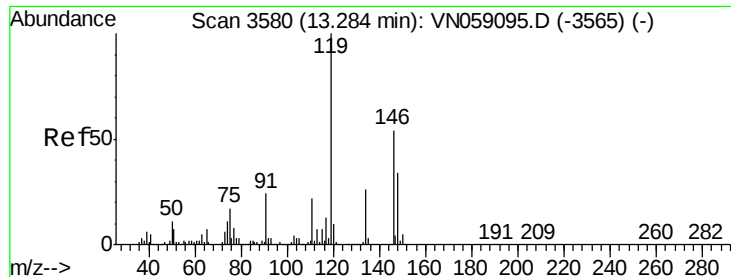
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 21.193 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

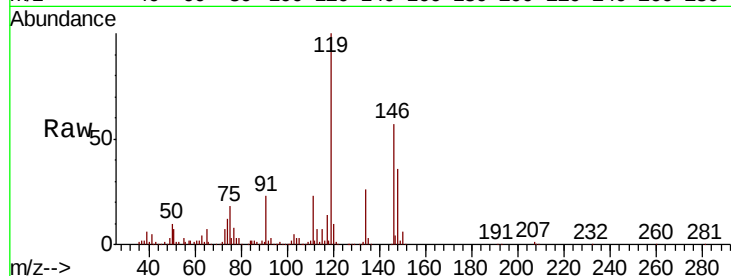
Tot Ion:146 Resp: 186616

Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 63.2 32.2 96.6



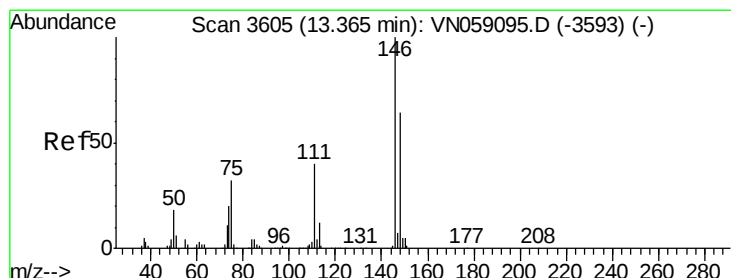
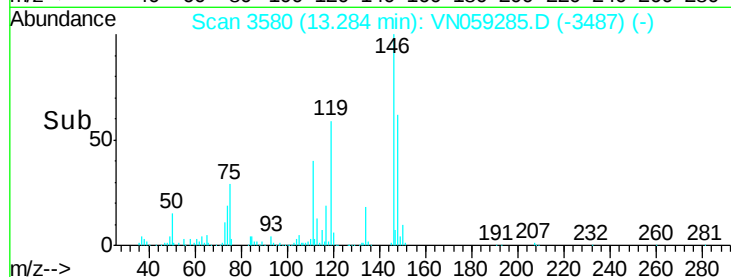
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.28

Time-->



#88

1,4-Dichlorobenzene

Concen: 20.515 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

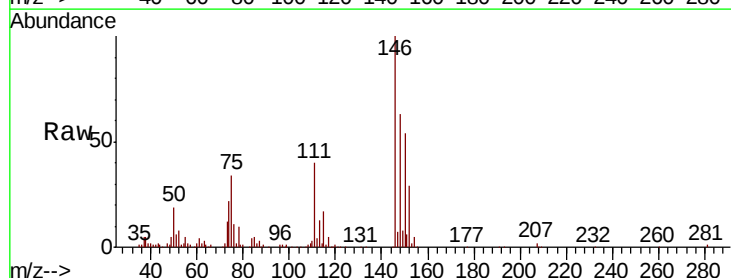
Tgt Ion:146 Resp: 180734

Ion Ratio Lower Upper

146 100

111 41.4 20.3 60.9

148 63.8 31.9 95.7



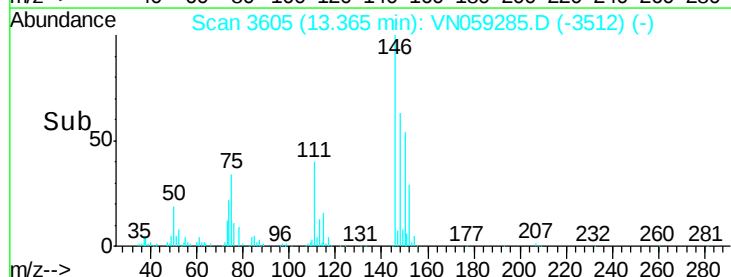
Abundance Ion 145.90 (145.60 to 146.60): V

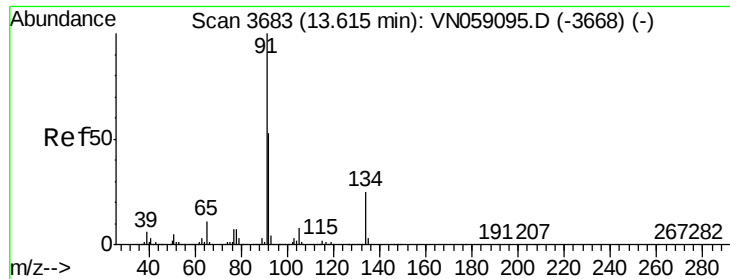
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.36

Time-->

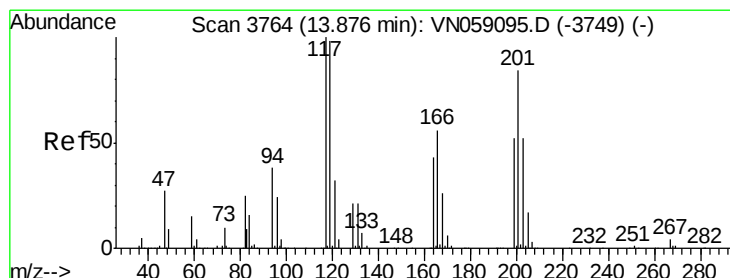
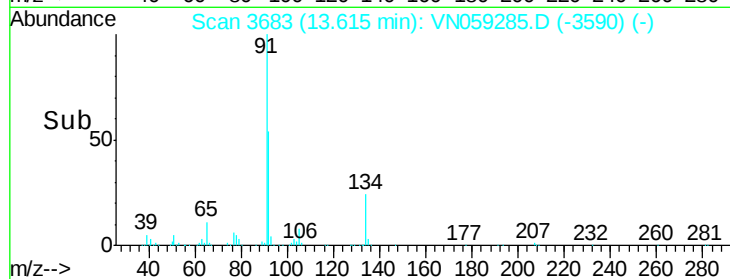
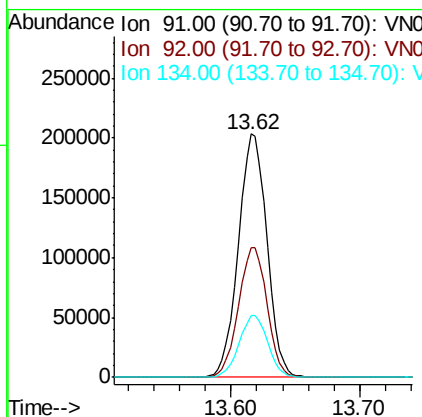
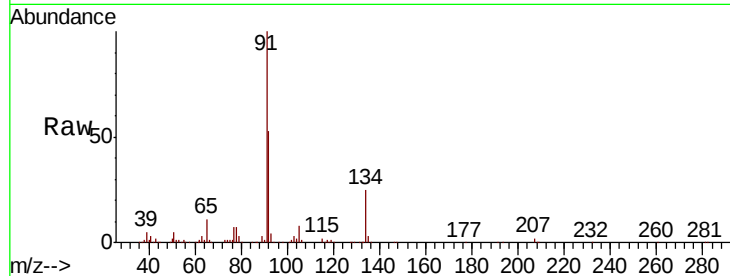




#89
n-Butylbenzene
Concen: 20.851 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

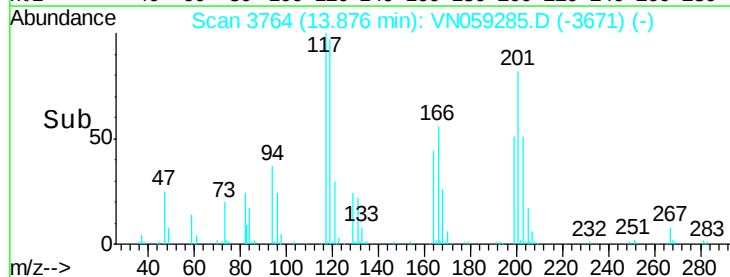
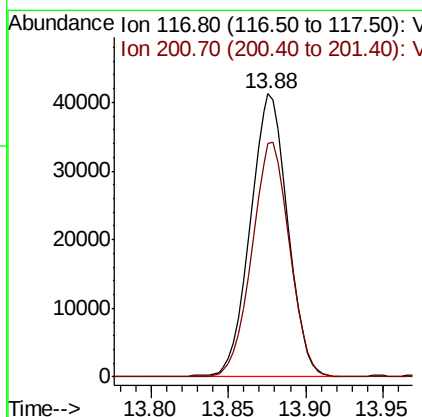
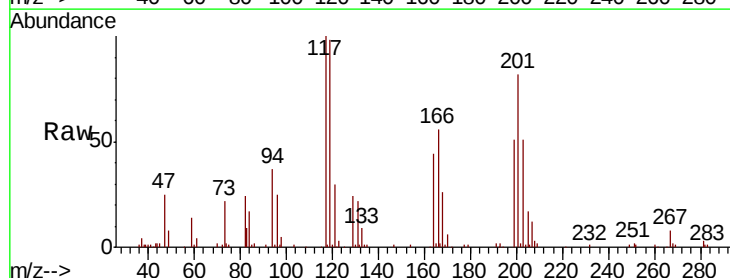
Instrument :
MSVOA_N
ClientSampleId :

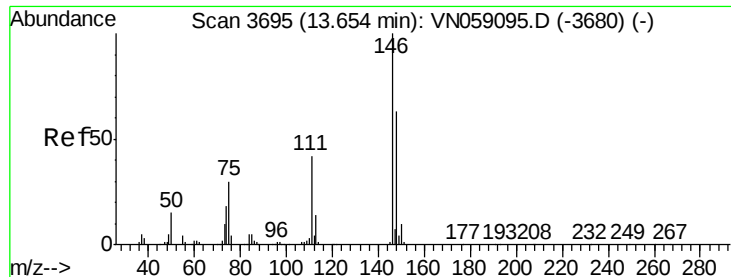
Tot Ion: 91 Resp: 313857
Ion Ratio Lower Upper
91 100
92 53.2 26.1 78.3
134 25.4 12.6 37.8



#90
Hexachloroethane
Concen: 20.105 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 117 Resp: 69430
Ion Ratio Lower Upper
117 100
201 83.3 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 21.517 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

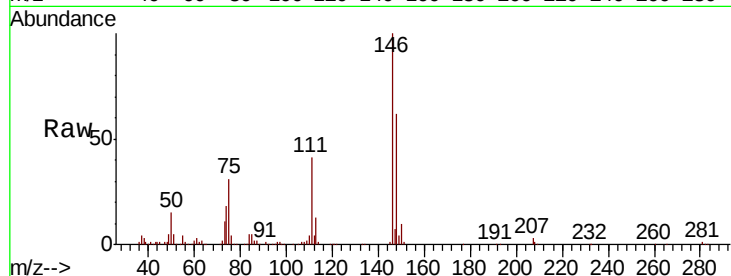
Tot Ion:146 Resp: 186383

Ion Ratio Lower Upper

146 100

111 41.9 21.2 63.6

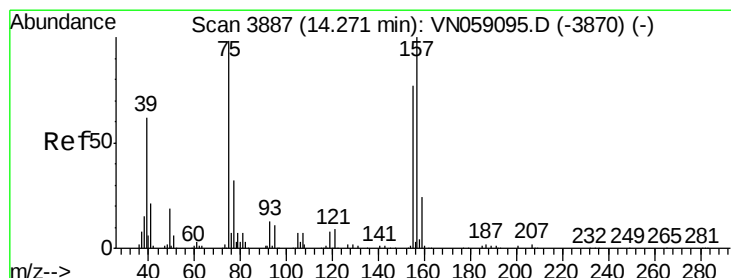
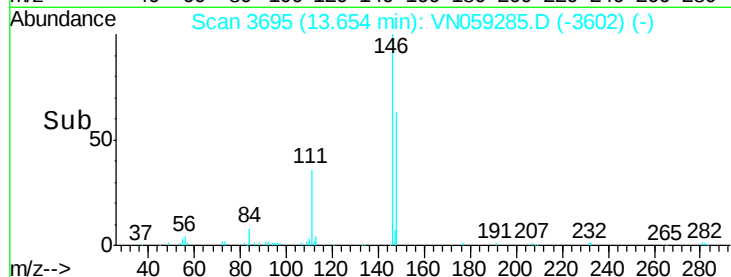
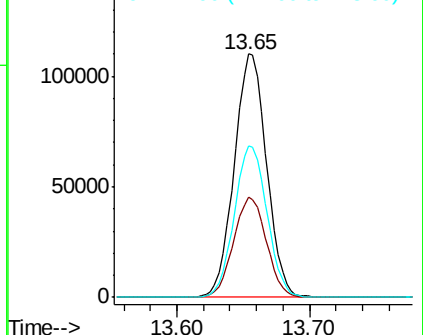
148 63.1 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.909 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

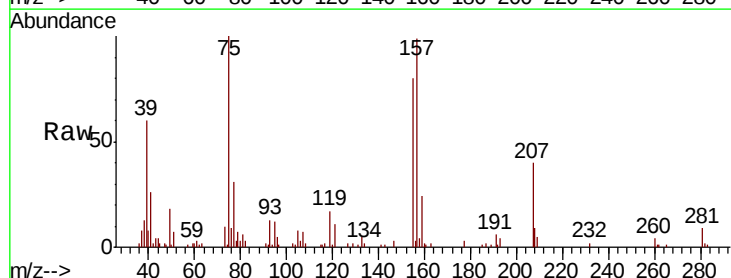
Tgt Ion: 75 Resp: 30445

Ion Ratio Lower Upper

75 100

155 81.2 40.2 120.6

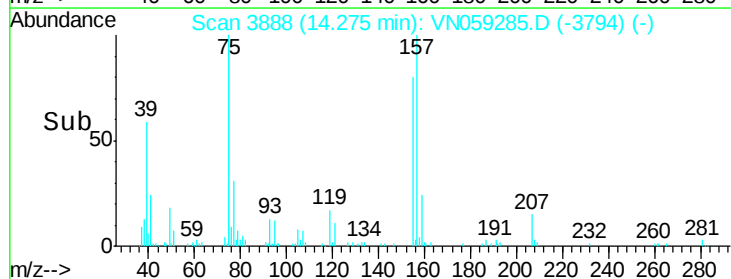
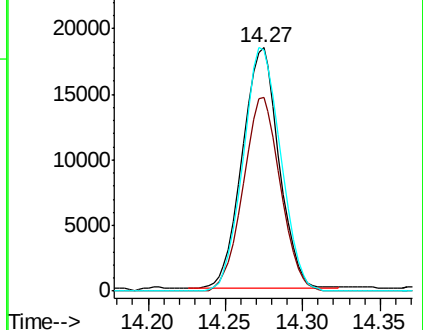
157 103.3 51.8 155.5

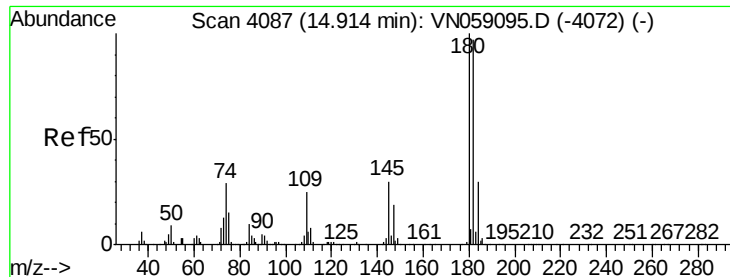


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

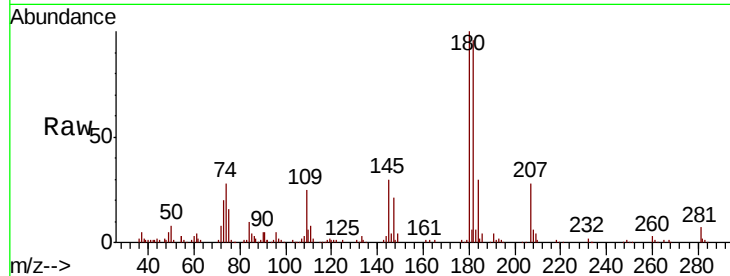




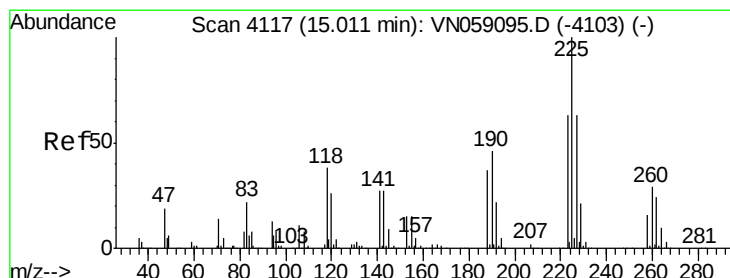
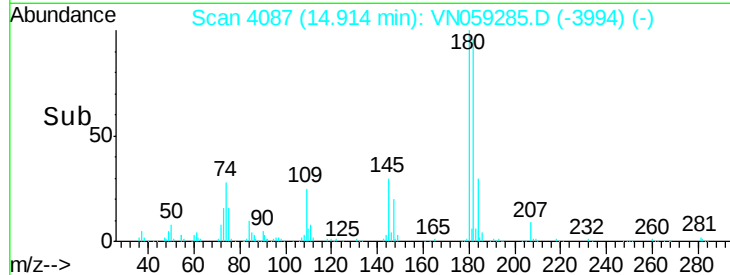
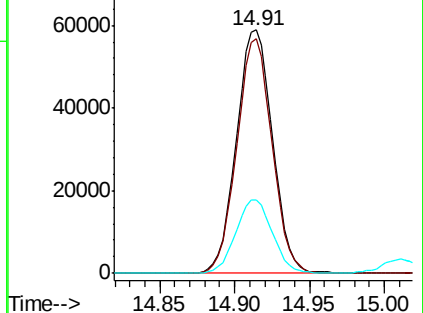
#93
 1,2,4-Trichlorobenzene
 Concen: 20.721 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.1	144.3
145	30.8	15.1	45.3

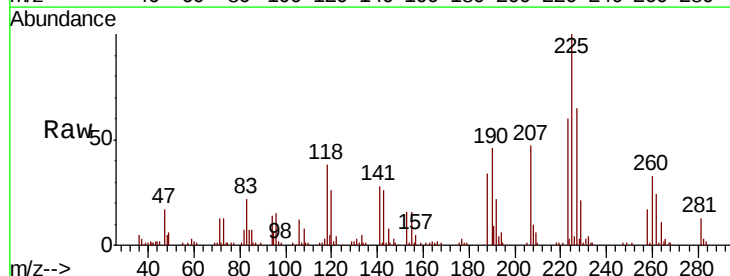


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

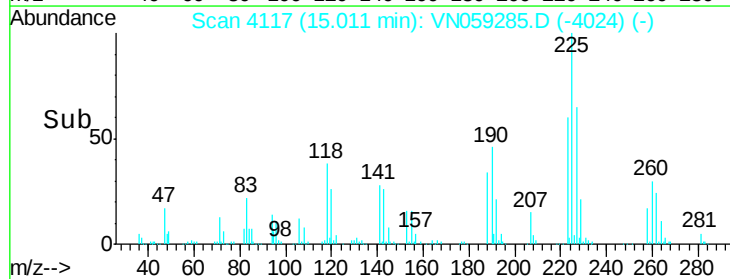
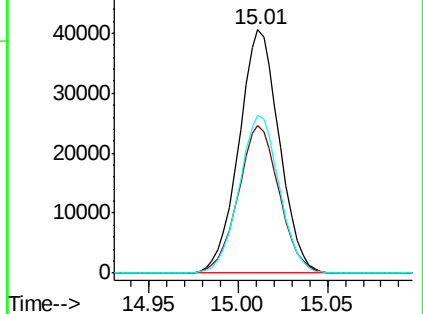


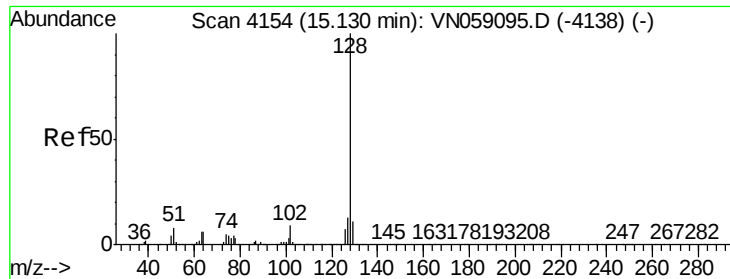
#94
 Hexachlorobutadiene
 Concen: 21.526 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.3	93.9
227	64.1	31.5	94.5



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

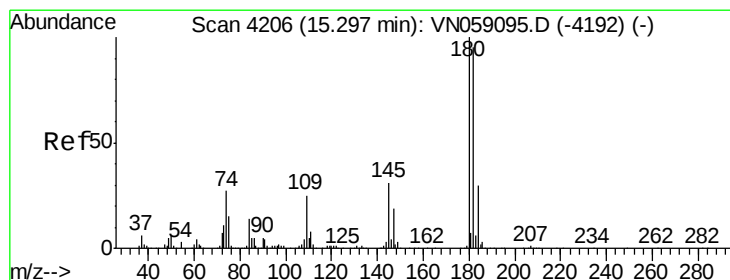
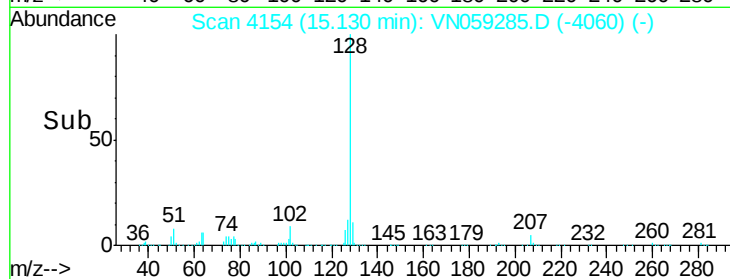
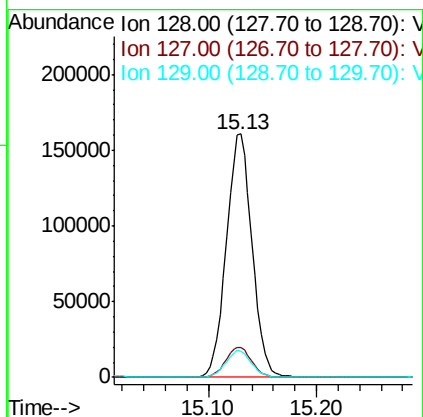
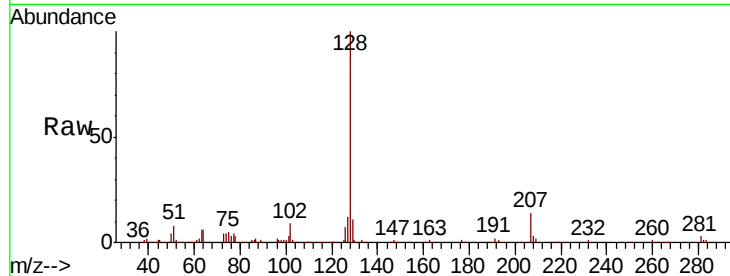




#95
Naphthalene
Concen: 20.238 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 266942
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.249 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion:180 Resp: 98296
Ion Ratio Lower Upper
180 100
182 97.2 47.3 141.8
145 33.6 15.8 47.3

