

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059486.D
 Acq On : 4 Dec 2019 14:52
 Operator : JC/SP
 Sample : VN1204WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 00:46:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	327514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	519552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	464583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209910	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	166926	41.03	ug/l	0.00
Spiked Amount			Recovery	=	82.06%	
35) Dibromofluoromethane	7.57	113	129591	40.05	ug/l	0.00
Spiked Amount			Recovery	=	80.10%	
50) Toluene-d8	10.08	98	510110	39.98	ug/l	0.00
Spiked Amount			Recovery	=	79.96%	
62) 4-Bromofluorobenzene	12.40	95	178353	40.03	ug/l	0.00
Spiked Amount			Recovery	=	80.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	55177	15.140	ug/l	99
3) Chloromethane	2.04	50	76900	15.743	ug/l	99
4) Vinyl Chloride	2.17	62	47005	16.036	ug/l	100
5) Bromomethane	2.55	94	28357	15.919	ug/l	97
6) Chloroethane	2.68	64	26846	15.513	ug/l	96
7) Trichlorofluoromethane	2.99	101	53104	15.001	ug/l	97
8) Diethyl Ether	3.39	74	35070	15.205	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	54055	15.555	ug/l	98
10) Methyl Iodide	3.93	142	66331	15.074	ug/l	100
11) Tert butyl alcohol	4.75	59	64356	83.941	ug/l	99
12) 1,1-Dichloroethene	3.71	96	52638	15.495	ug/l	96
13) Acrolein	3.58	56	43933	66.027	ug/l	98
14) Allyl chloride	4.29	41	102723	15.353	ug/l	99
15) Acrylonitrile	4.96	53	163918	79.029	ug/l	100
16) Acetone	3.79	43	163303	68.087	ug/l	99
17) Carbon Disulfide	4.03	76	170322	14.695	ug/l	100
18) Methyl Acetate	4.30	43	85037	15.526	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	180552	15.595	ug/l	99
20) Methylene Chloride	4.52	84	61444	15.199	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	57289	15.072	ug/l	99
22) Diisopropyl ether	5.92	45	194934	15.653	ug/l	97
23) Vinyl Acetate	5.87	43	816343	81.693	ug/l	100
24) 1,1-Dichloroethane	5.82	63	112031	15.836	ug/l	100
25) 2-Butanone	6.81	43	225230	72.832	ug/l	100
26) 2,2-Dichloropropane	6.80	77	95610	15.626	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	65891	15.609	ug/l	98
28) Bromochloromethane	7.17	49	36932	13.837	ug/l	98
29) Tetrahydrofuran	7.19	42	150273	77.280	ug/l	99
30) Chloroform	7.35	83	105373	15.427	ug/l	98
31) Cyclohexane	7.63	56	105932	15.454	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	91091	15.343	ug/l	99
36) 1,1-Dichloropropene	7.77	75	82812	15.317	ug/l	99
37) Ethyl Acetate	6.91	43	94743	15.688	ug/l	99
38) Carbon Tetrachloride	7.75	117	80877	15.553	ug/l	99

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

39) Methylcyclohexane	9.07	83	96632	14.852	ug/l	97
40) Benzene	8.02	78	246588	15.575	ug/l	98
41) Methacrylonitrile	7.18	41	131163	53.589	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	84688	15.747	ug/l	100
43) Isopropyl Acetate	8.15	43	138007	15.364	ug/l	99
44) Trichloroethene	8.82	130	62368	15.074	ug/l	98
45) 1,2-Dichloropropane	9.10	63	66745	15.779	ug/l	100
46) Dibromomethane	9.19	93	40822	15.501	ug/l	98
47) Bromodichloromethane	9.39	83	81783	15.488	ug/l	98
48) Methyl methacrylate	9.19	41	60764	14.995	ug/l	99
49) 1,4-Dioxane	9.19	88	21312	347.558	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	431127	80.860	ug/l	98
52) Toluene	10.15	92	149610	15.624	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	94215	15.163	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	101190	15.365	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	58314	15.449	ug/l	99
56) Ethyl methacrylate	10.42	69	82233	14.518	ug/l	98
57) 1,3-Dichloropropane	10.70	76	100365	15.376	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	134421	76.222	ug/l	100
59) 2-Hexanone	10.75	43	306838	76.470	ug/l	100
60) Dibromochloromethane	10.90	129	59476	14.757	ug/l	99
61) 1,2-Dibromoethane	11.00	107	59209	15.180	ug/l	100
64) Tetrachloroethene	10.63	164	57535	14.559	ug/l	98
65) Chlorobenzene	11.43	112	152809	15.046	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	55813	15.294	ug/l	99
67) Ethyl Benzene	11.51	91	275110	15.460	ug/l	100
68) m/p-Xylenes	11.62	106	204726	30.898	ug/l	98
69) o-Xylene	11.95	106	97093	15.392	ug/l	98
70) Styrene	11.96	104	149102	14.807	ug/l	99
71) Bromoform	12.13	173	41629	14.635	ug/l #	100
73) Isopropylbenzene	12.25	105	258145	15.335	ug/l	99
74) N-amyl acetate	12.07	43	98575	14.538	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	86111	15.947	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	114738	21.984	ug/l #	100
77) Bromobenzene	12.53	156	62956	14.966	ug/l	99
78) n-propylbenzene	12.59	91	299284	15.277	ug/l	100
79) 2-Chlorotoluene	12.67	91	179865	15.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	217845	15.485	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	30445	15.308	ug/l	98
82) 4-Chlorotoluene	12.77	91	184119	15.111	ug/l	98
83) tert-Butylbenzene	12.99	119	185401	15.180	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	212016	15.421	ug/l	100
85) sec-Butylbenzene	13.17	105	245866	15.189	ug/l	100
86) p-Isopropyltoluene	13.29	119	217483	14.993	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	111179	14.990	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	107501	14.371	ug/l	97
89) n-Butylbenzene	13.62	91	181440	13.961	ug/l	100
90) Hexachloroethane	13.88	117	42614	15.232	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	107796	15.161	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17159	15.318	ug/l	97

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QLast Update : Tue Dec 03 16:37:42 2019
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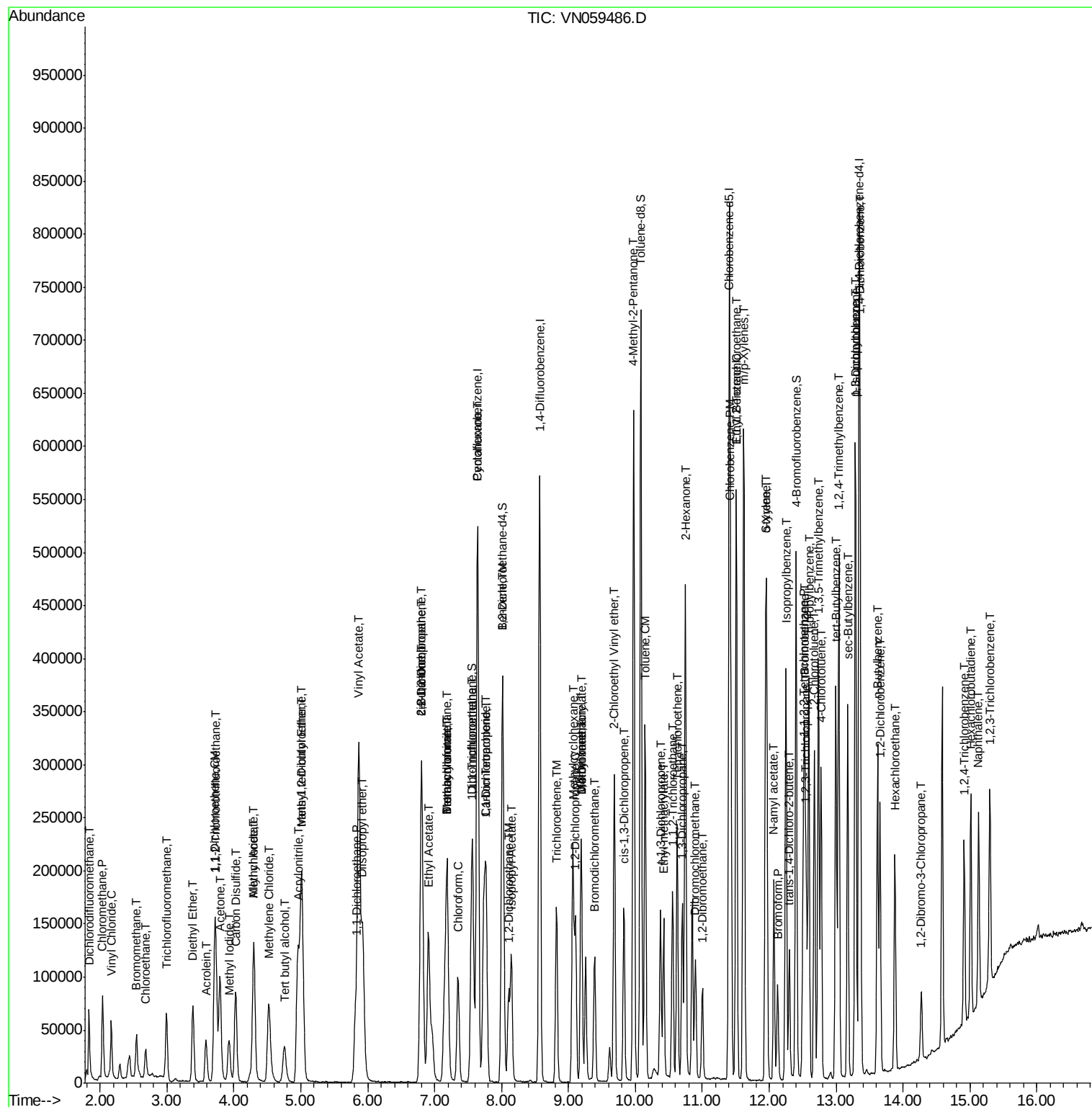
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56866	13.101	ug/l	98
94) Hexachlorobutadiene	15.01	225	39759	15.226	ug/l	98
95) Naphthalene	15.13	128	146398	14.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	59205	15.009	ug/l	98

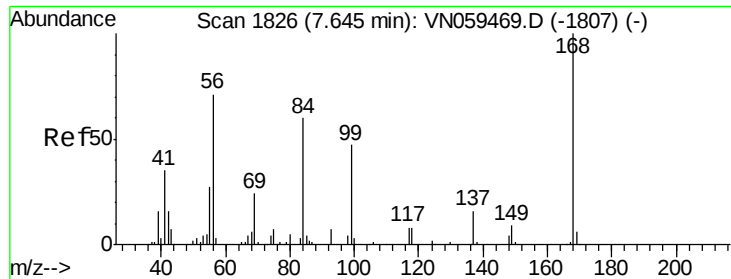
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Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

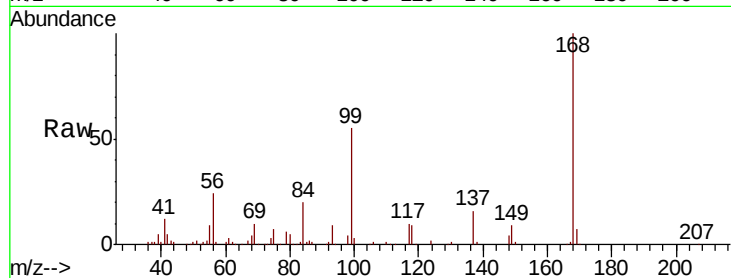
ClientSampleId :

Tot Ion:168 Resp: 327514

Ion Ratio Lower Upper

168 100

99 55.3 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

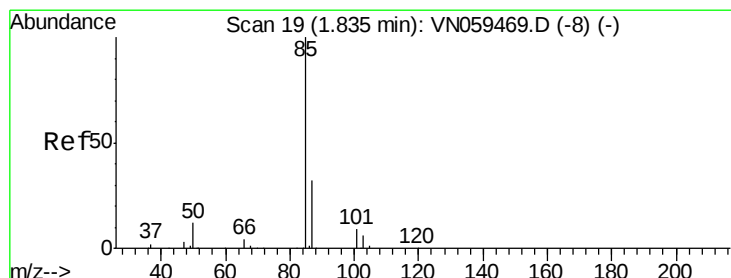
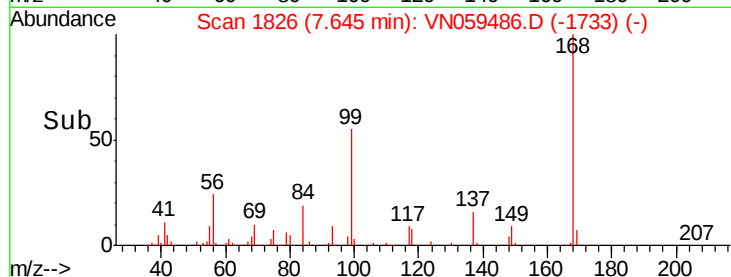
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.140 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059486.D

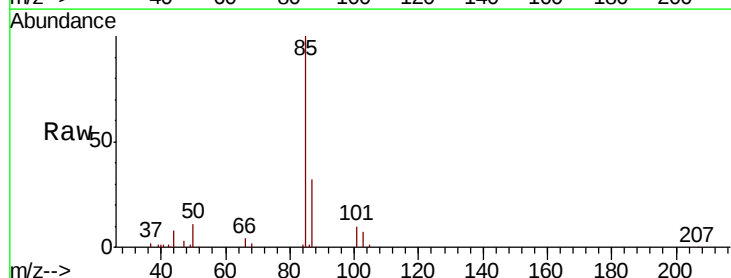
Acq: 4 Dec 2019 14:52

Tgt Ion: 85 Resp: 55177

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

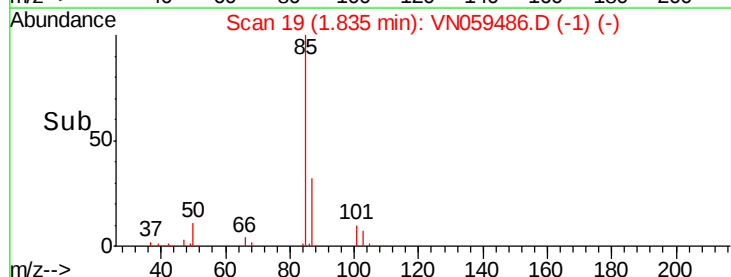
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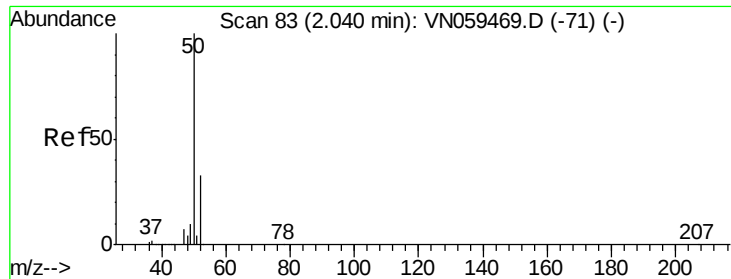
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 15.743 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

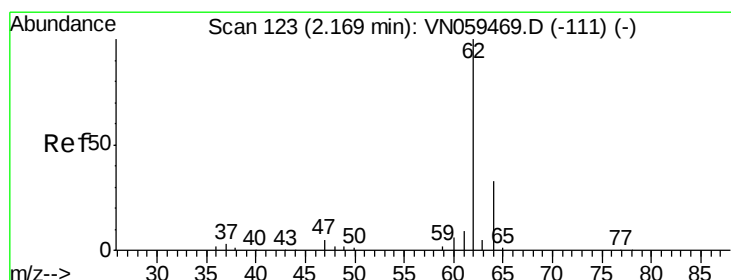
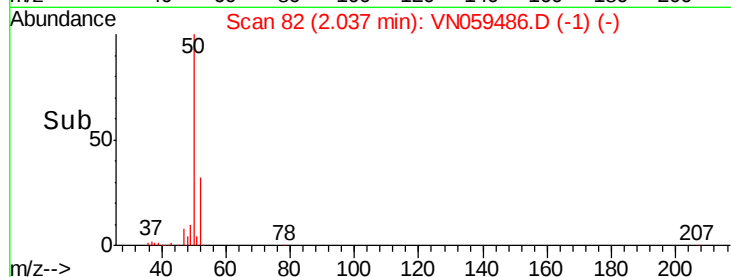
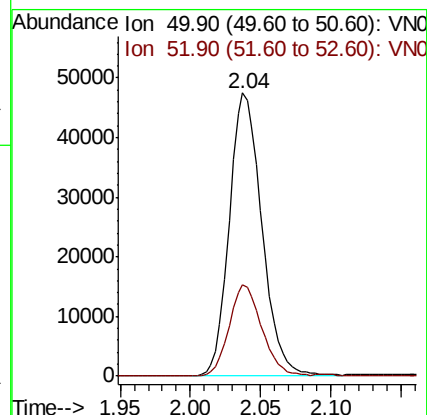
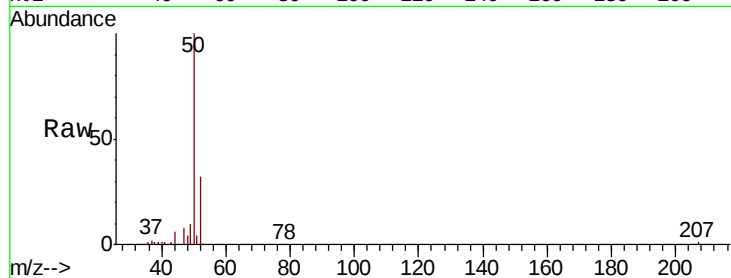
ClientSampled :

Tot Ion: 50 Resp: 76900

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7



#4

Vinyl Chloride

Concen: 16.036 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059486.D

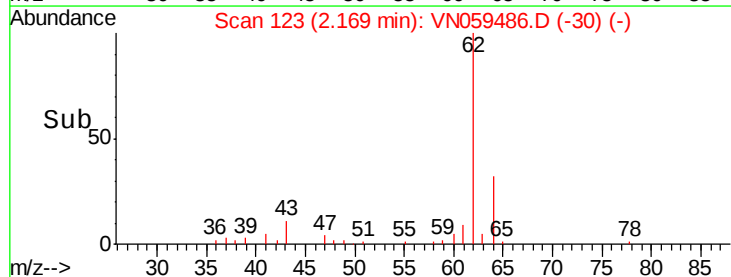
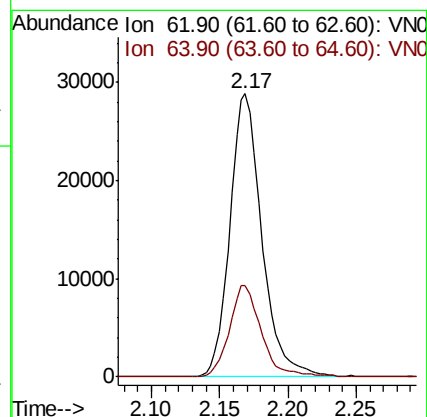
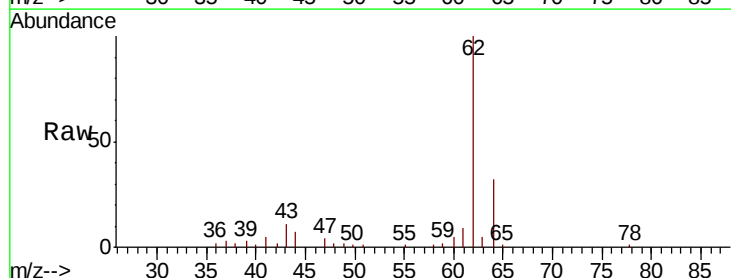
Acq: 4 Dec 2019 14:52

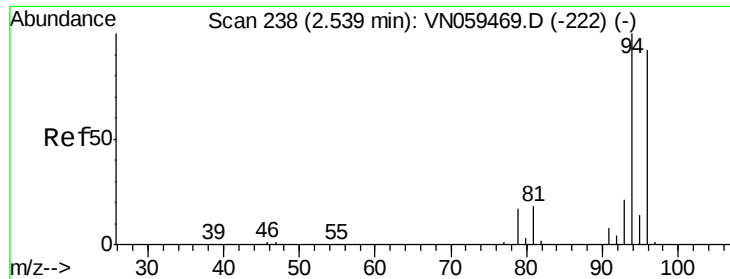
Tgt Ion: 62 Resp: 47005

Ion Ratio Lower Upper

62 100

64 32.4 26.0 39.0

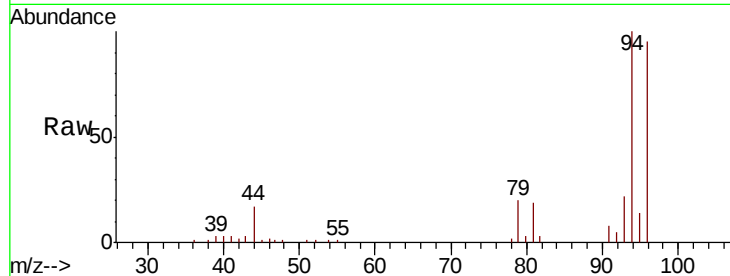




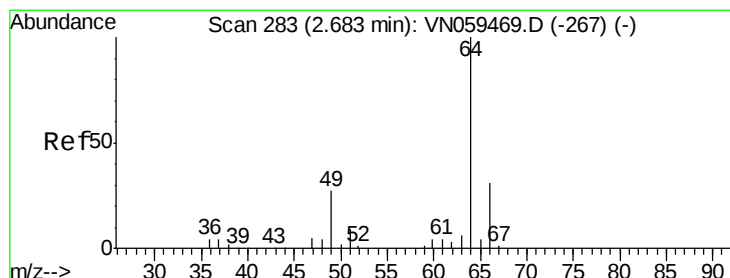
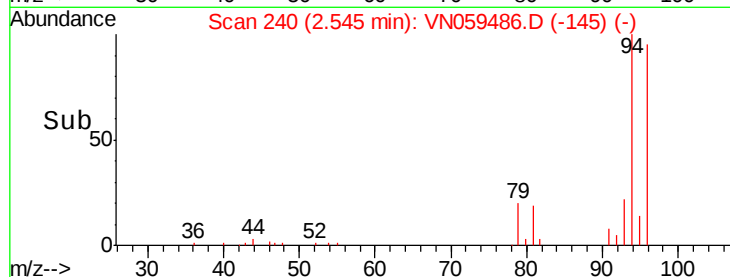
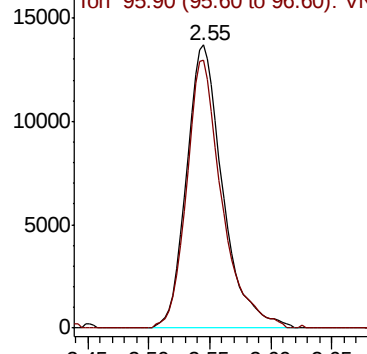
#5
Bromomethane
Concen: 15.919 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 28357
Ion Ratio Lower Upper
94 100
96 94.7 73.5 110.3

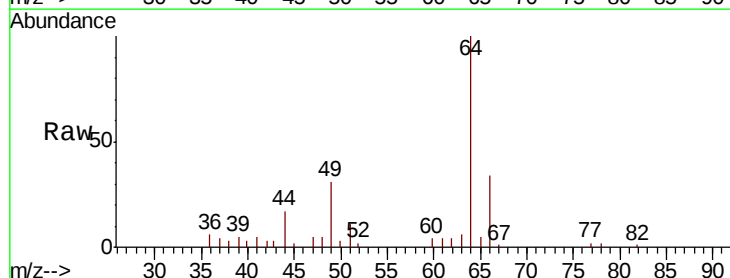


Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

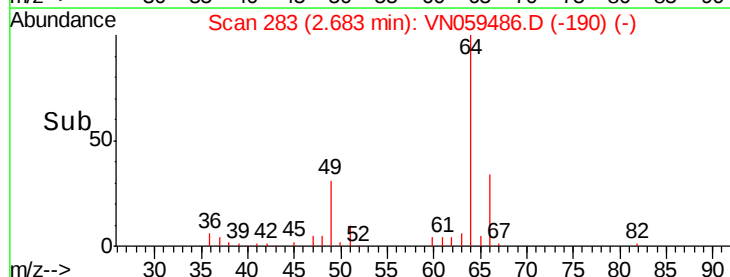
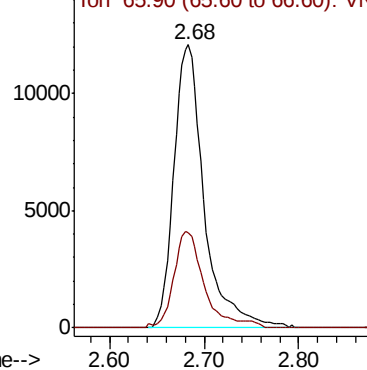


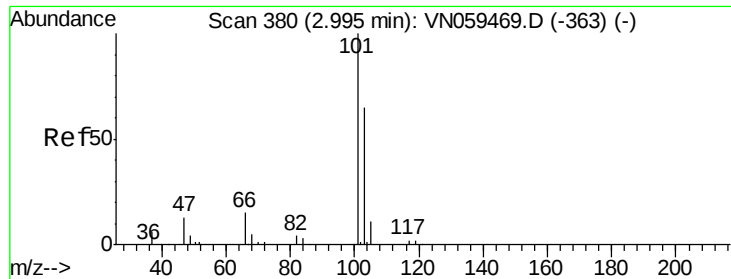
#6
Chloroethane
Concen: 15.513 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 64 Resp: 26846
Ion Ratio Lower Upper
64 100
66 33.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



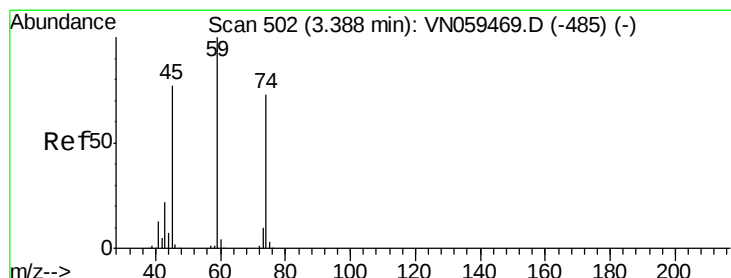
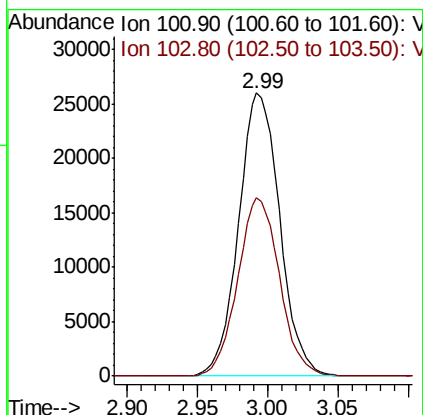
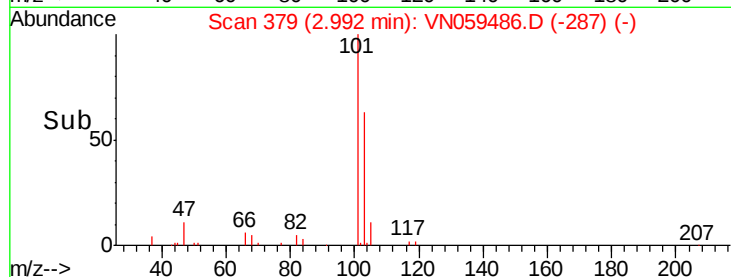
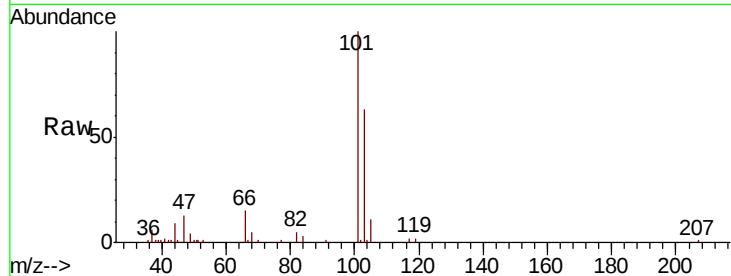


#7

Trichlorofluoromethane
Concen: 15.001 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

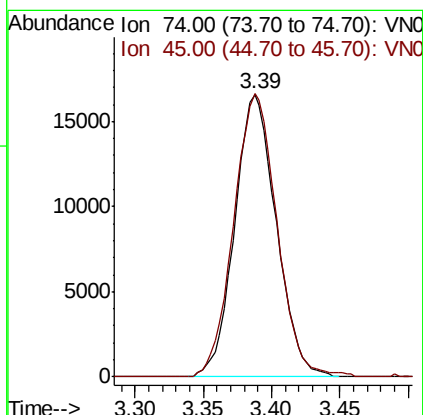
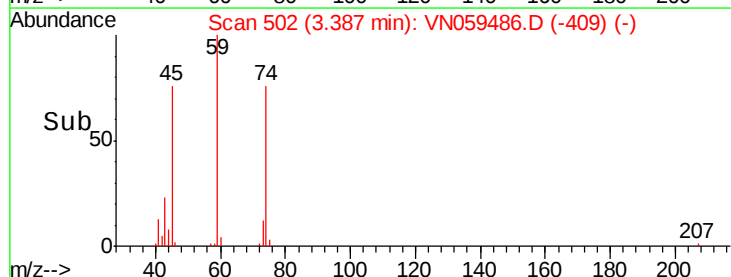
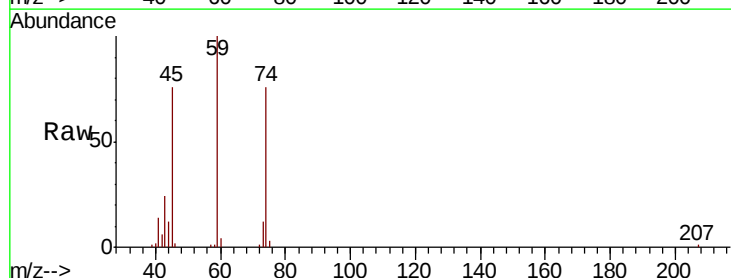
Tot Ion:101 Resp: 53104
Ion Ratio Lower Upper
101 100
103 62.9 52.4 78.6

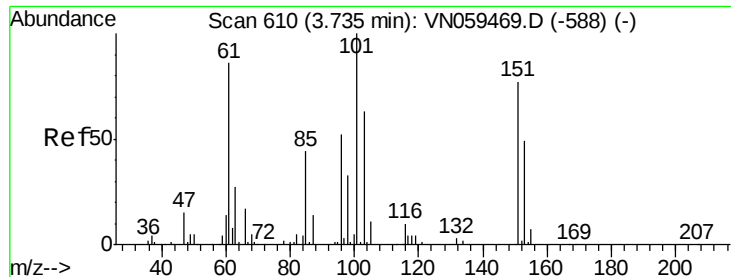


#8

Diethyl Ether
Concen: 15.205 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 74 Resp: 35070
Ion Ratio Lower Upper
74 100
45 104.5 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.555 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

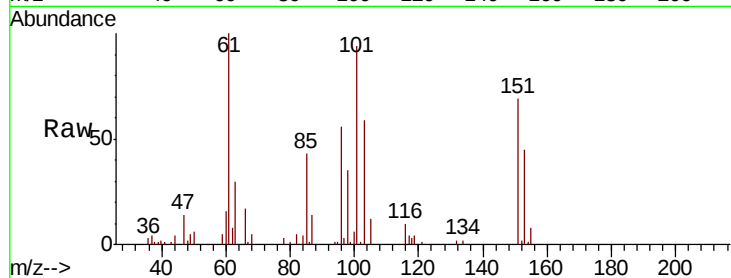
Tot Ion:101 Resp: 54055

Ion Ratio Lower Upper

101 100

85 44.1 35.2 52.8

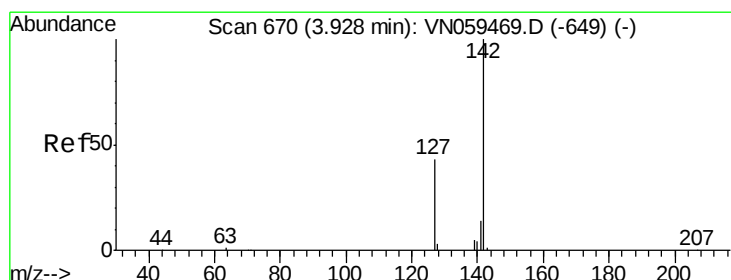
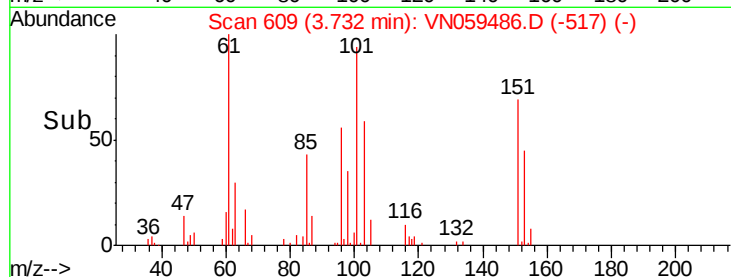
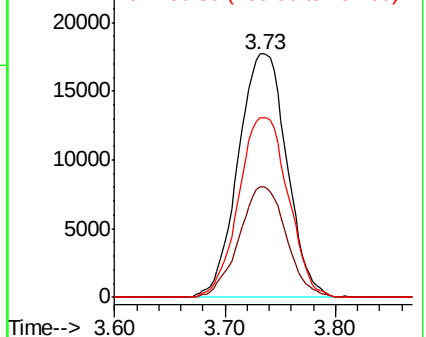
151 75.2 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.074 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

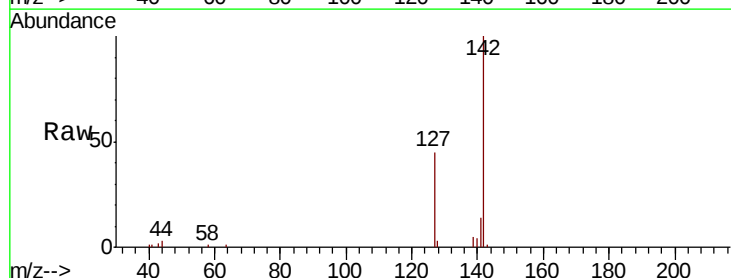
Tgt Ion:142 Resp: 66331

Ion Ratio Lower Upper

142 100

127 43.5 34.6 52.0

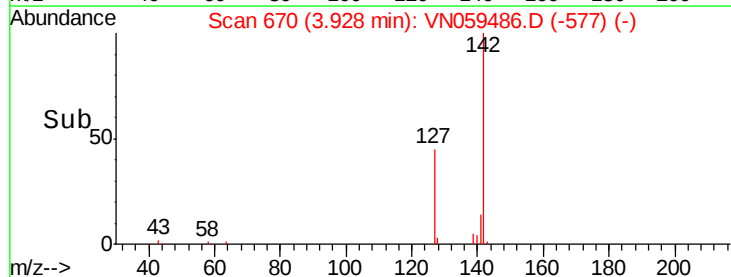
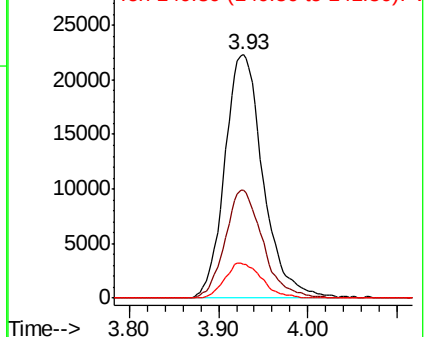
141 13.9 11.4 17.0

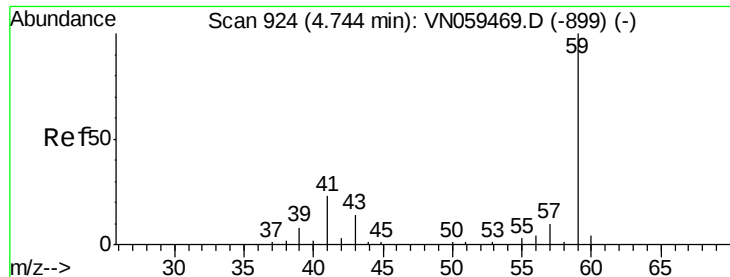


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

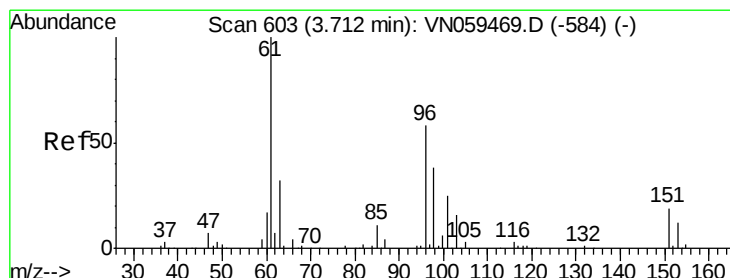
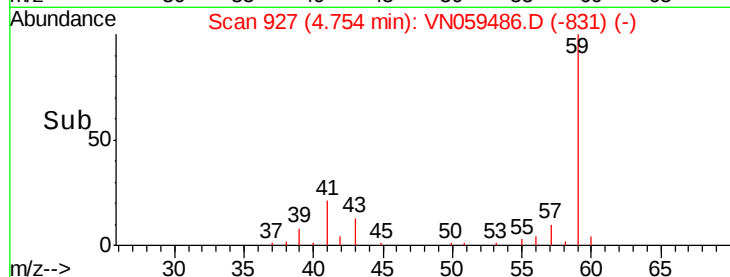
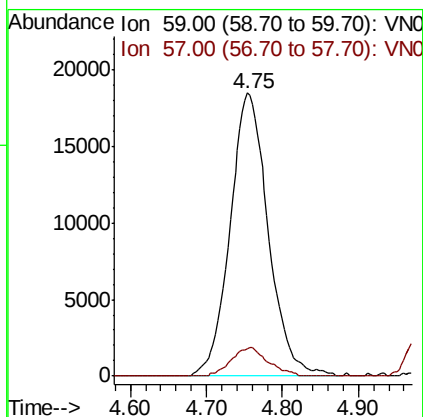
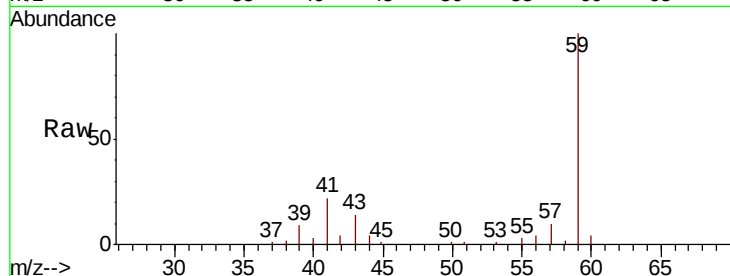




#11
Tert butyl alcohol
Concen: 83.941 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.01 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

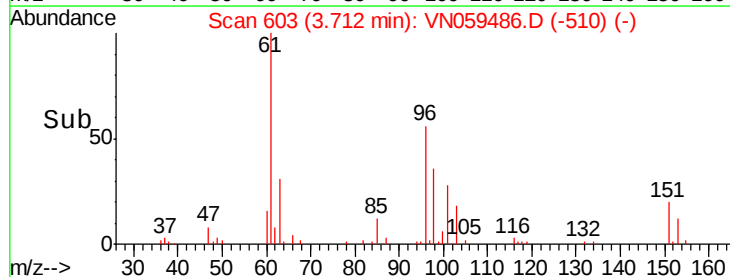
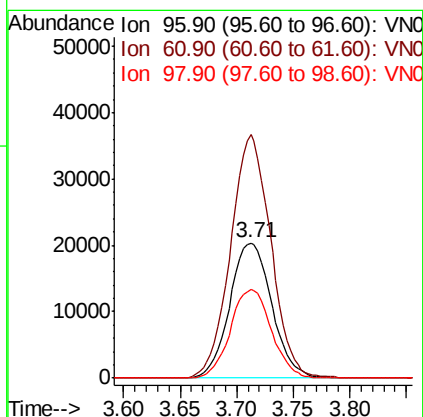
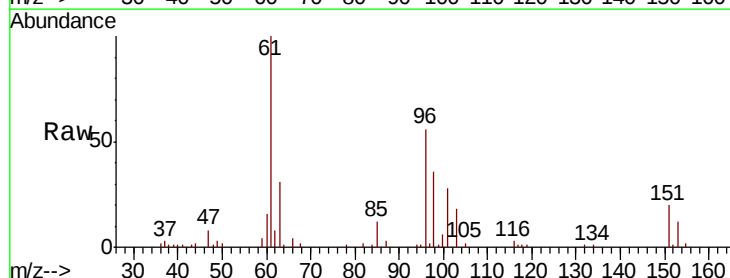
Instrument :
MSVOA_N
ClientSampled :

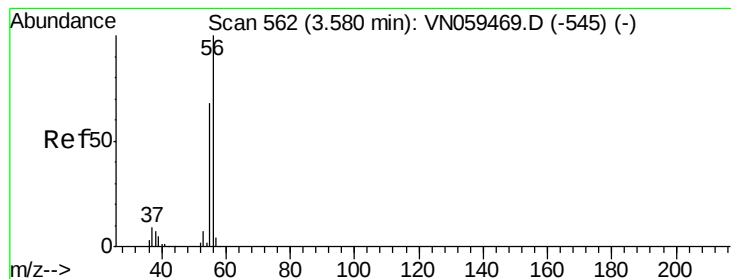
Tot Ion: 59 Resp: 64356
Ion Ratio Lower Upper
59 100
57 9.7 8.1 12.1



#12
1,1-Dichloroethene
Concen: 15.495 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 96 Resp: 52638
Ion Ratio Lower Upper
96 100
61 179.8 137.1 205.7
98 65.5 52.4 78.6





#13

Acrolein

Concen: 66.027 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

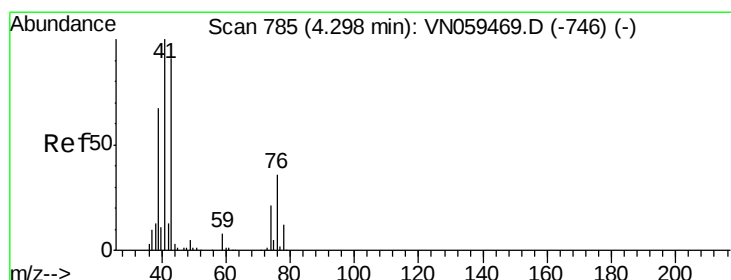
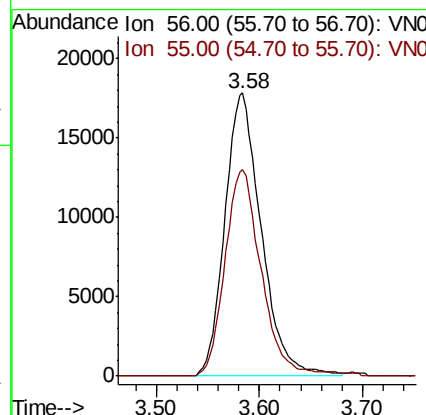
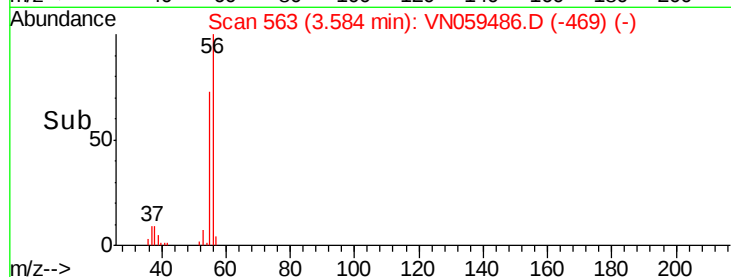
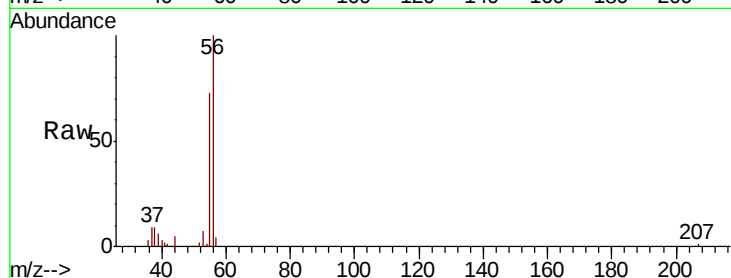
ClientSampleId :

Tot Ion: 56 Resp: 43933

Ion Ratio Lower Upper

56 100

55 72.6 56.5 84.7



#14

Allyl chloride

Concen: 15.353 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

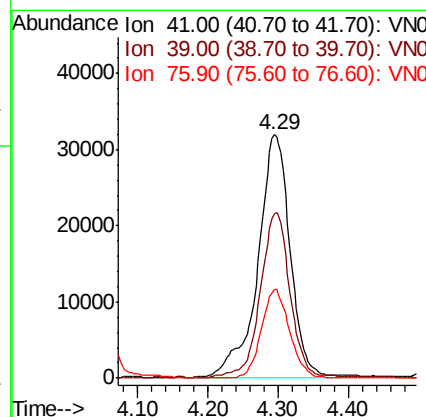
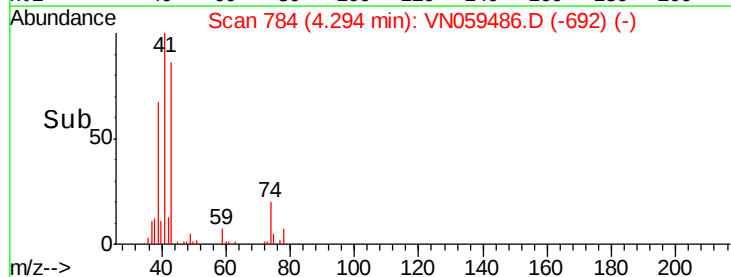
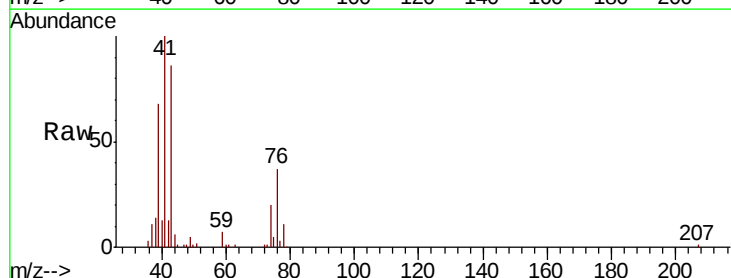
Tgt Ion: 41 Resp: 102723

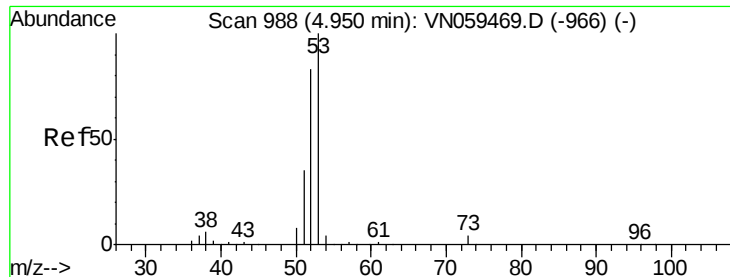
Ion Ratio Lower Upper

41 100

39 62.4 49.3 73.9

76 31.6 25.6 38.4





#15

Acrylonitrile

Concen: 79.029 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

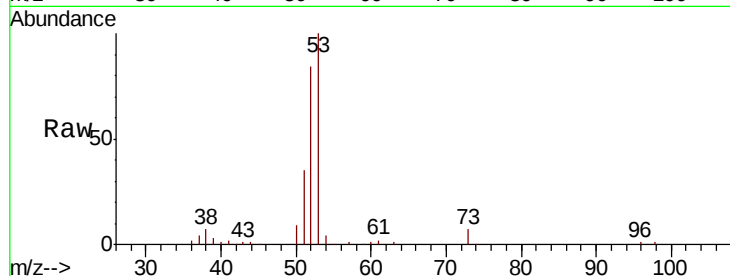
Tot Ion: 53 Resp: 163918

Ion Ratio Lower Upper

53 100

52 81.8 65.5 98.3

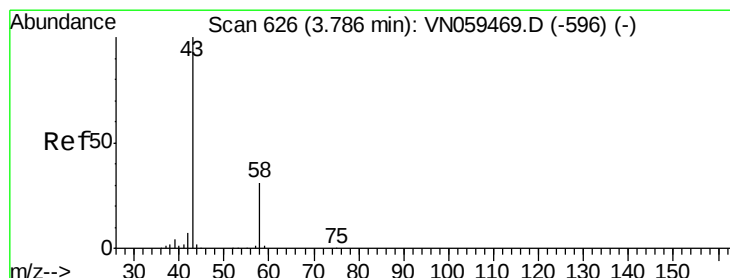
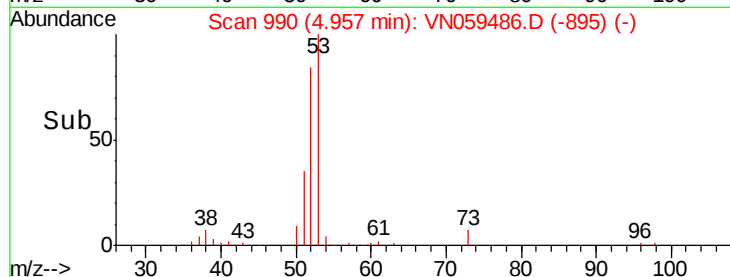
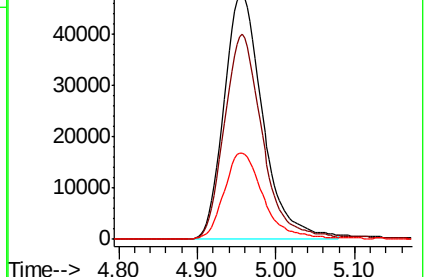
51 36.2 28.5 42.7



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

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

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



#16

Acetone

Concen: 68.087 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059486.D

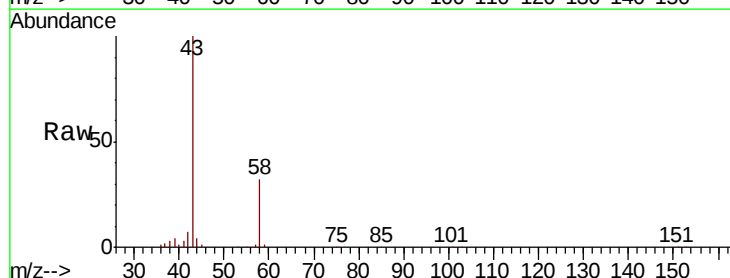
Acq: 4 Dec 2019 14:52

Tgt Ion: 43 Resp: 163303

Ion Ratio Lower Upper

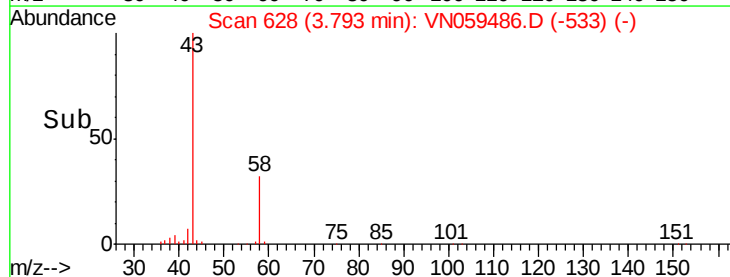
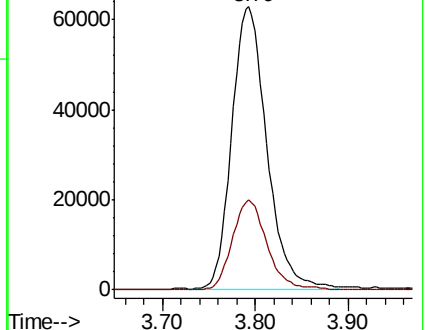
43 100

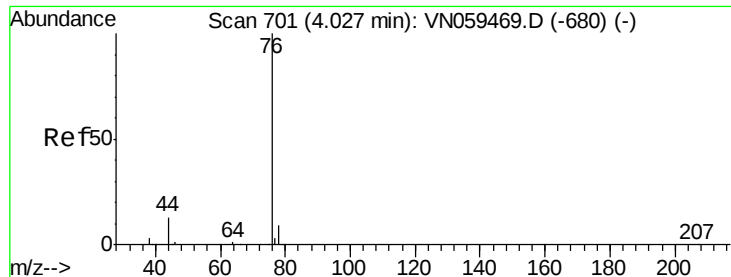
58 31.9 24.9 37.3



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

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

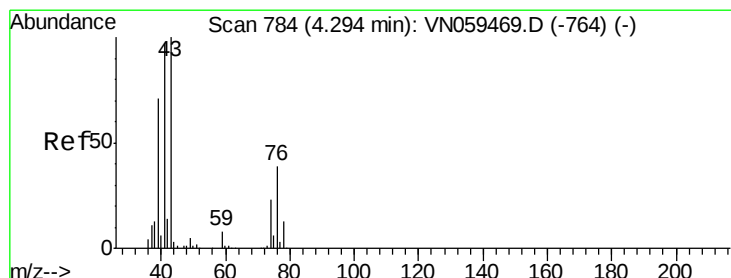
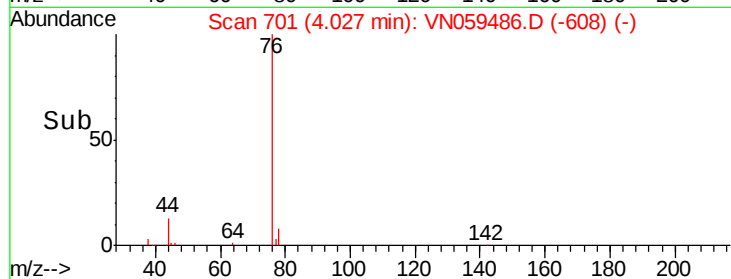
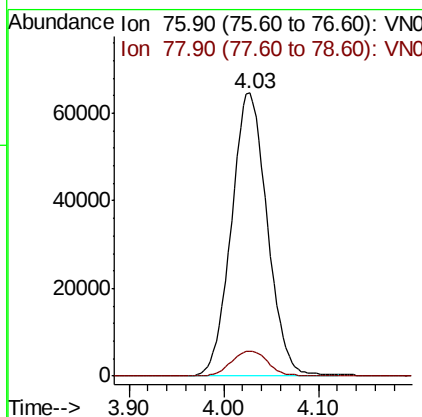
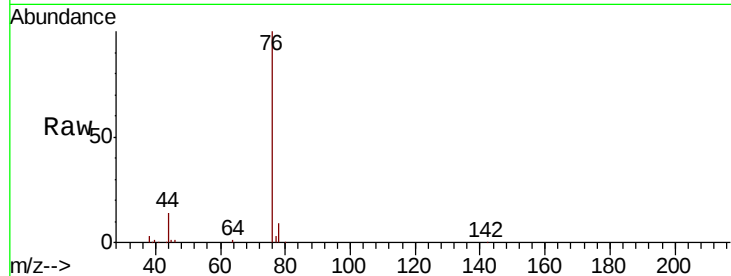




#17
Carbon Disulfide
Concen: 14.695 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

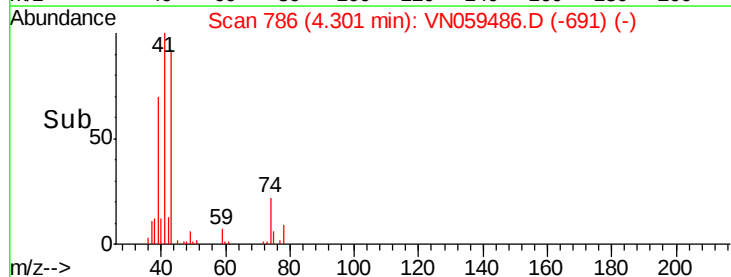
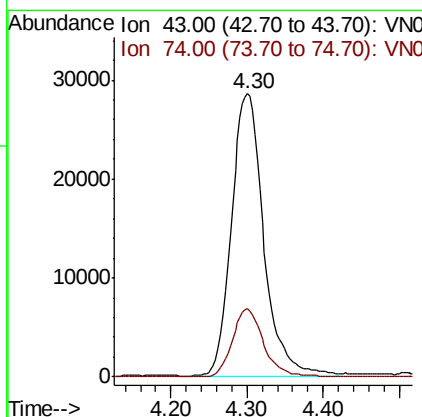
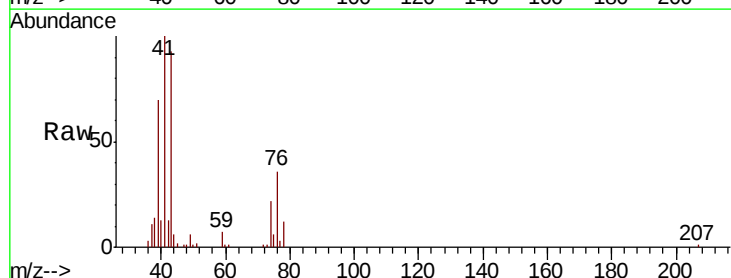
Instrument :
MSVOA_N
ClientSampled :

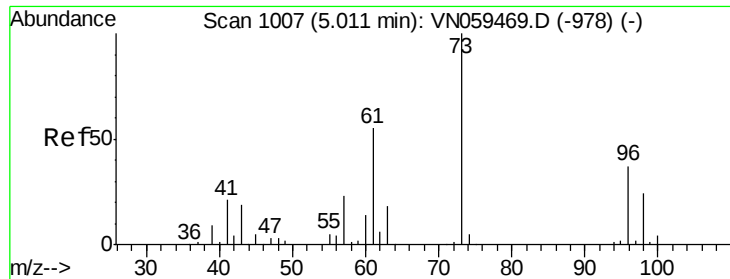
Tot Ion: 76 Resp: 170322
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 15.526 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 43 Resp: 85037
Ion Ratio Lower Upper
43 100
74 23.0 18.3 27.5

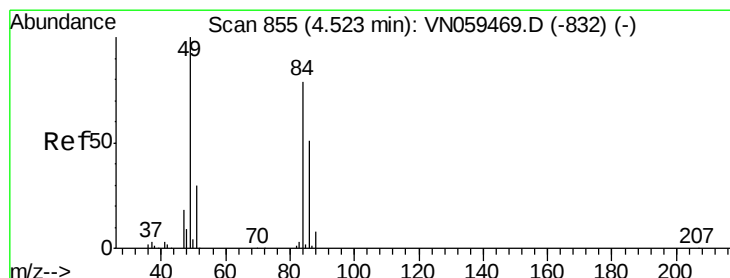
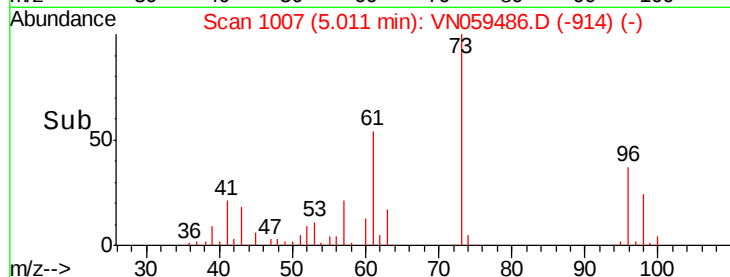
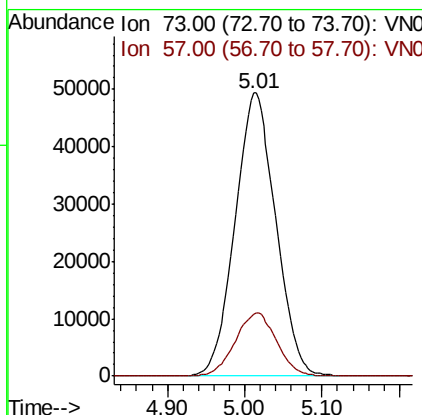
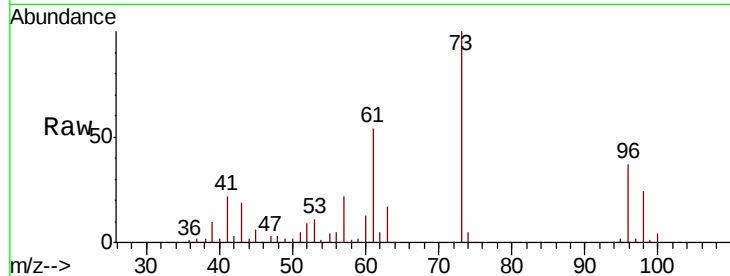




#19
Methvl tert-butvl Ether
Concen: 15.595 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

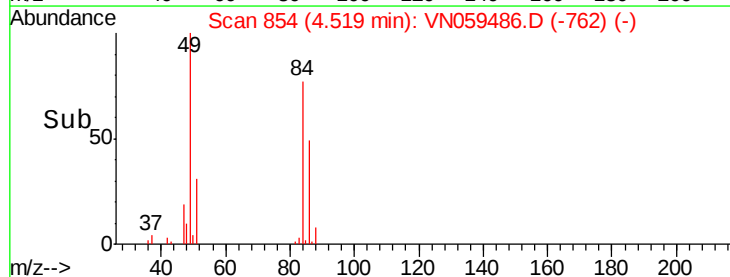
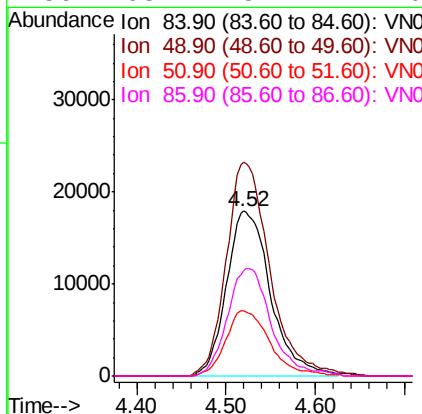
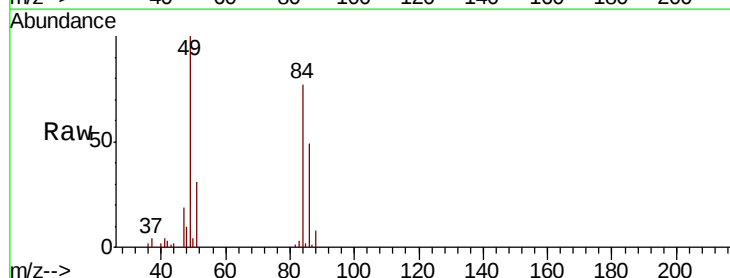
Instrument :
MSVOA_N
ClientSampled :

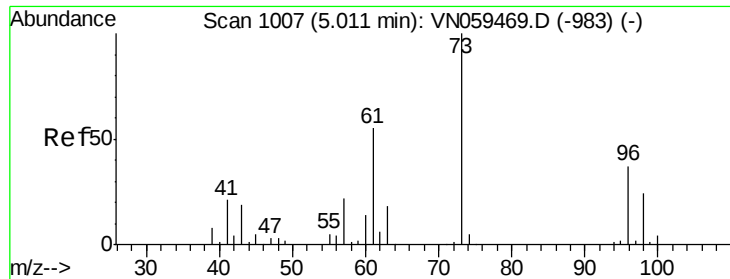
Tot Ion: 73 Resp: 180552
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0



#20
Methylene Chloride
Concen: 15.199 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 84 Resp: 61444
Ion Ratio Lower Upper
84 100
49 129.7 101.1 151.7
51 39.7 30.7 46.1
86 63.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 15.072 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

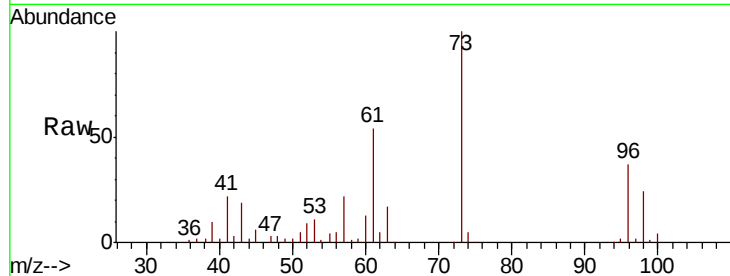
Tot Ion: 96 Resp: 57289

Ion Ratio Lower Upper

96 100

61 147.5 118.9 178.3

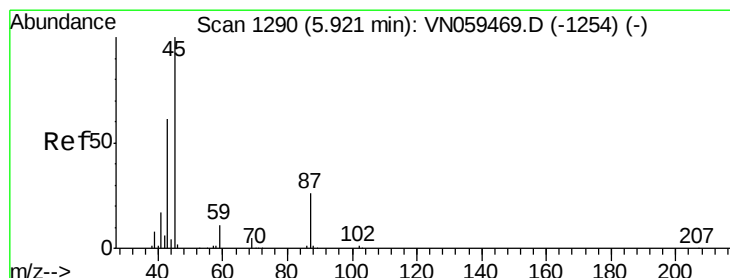
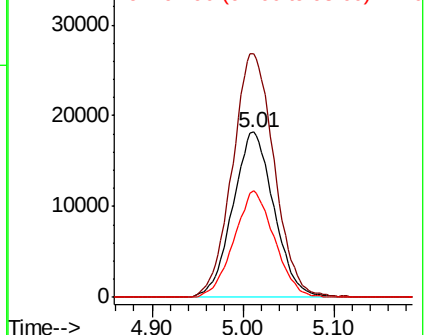
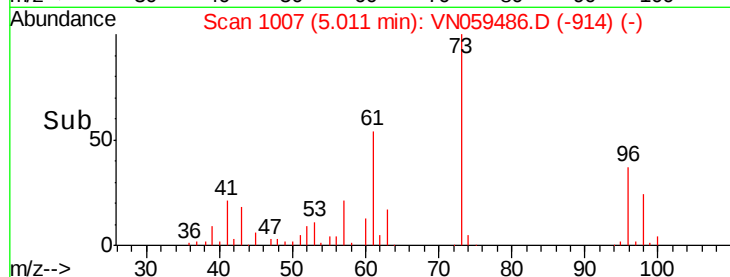
98 64.6 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN059486.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059486.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059486.D (-914) (-)



#22

Diisopropyl ether

Concen: 15.653 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Tgt Ion: 45 Resp: 194934

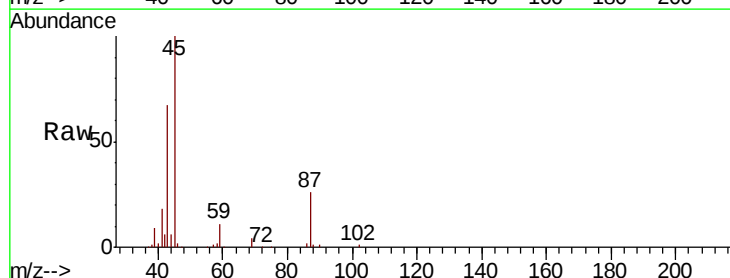
Ion Ratio Lower Upper

45 100

43 64.6 49.1 73.7

87 26.4 21.6 32.4

59 11.1 9.0 13.4

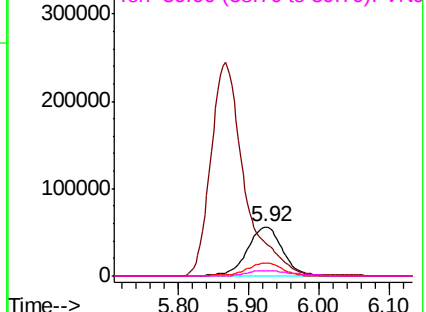
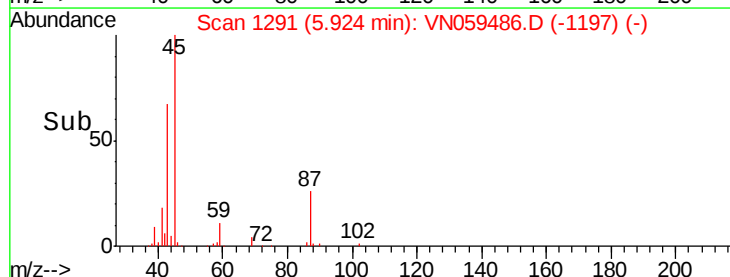


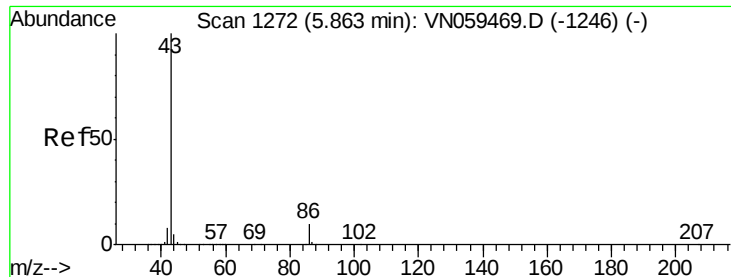
Abundance Ion 45.00 (44.70 to 45.70): VN059486.D (-1197) (-)

Ion 43.00 (42.70 to 43.70): VN059486.D (-1197) (-)

Ion 87.00 (86.70 to 87.70): VN059486.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059486.D (-1197) (-)





#23

Vinyl Acetate

Concen: 81.693 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

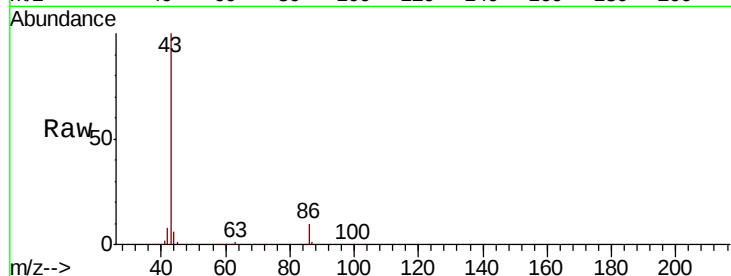
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 816343

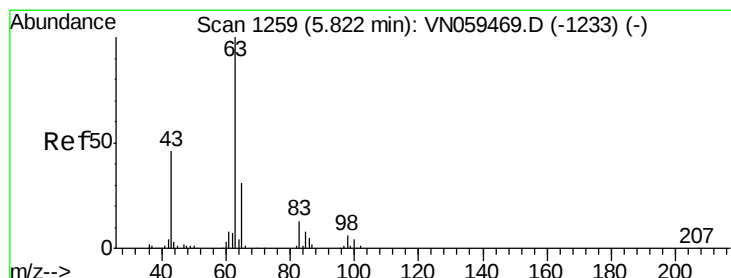
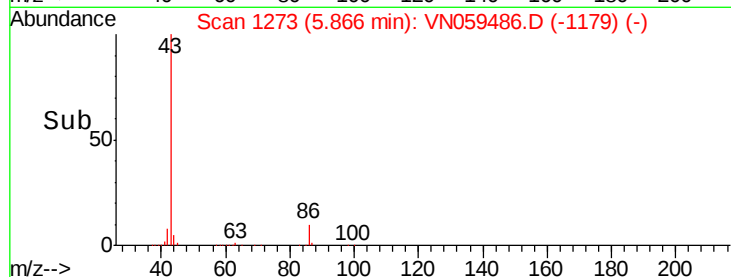
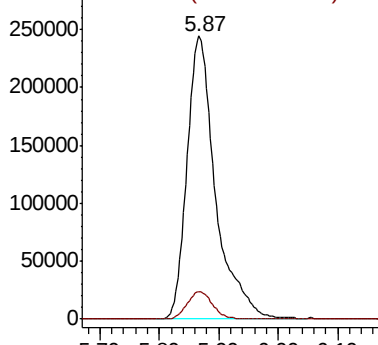
Ion Ratio Lower Upper

43 100

86 9.8 8.0 12.0



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



#24

1,1-Dichloroethane

Concen: 15.836 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

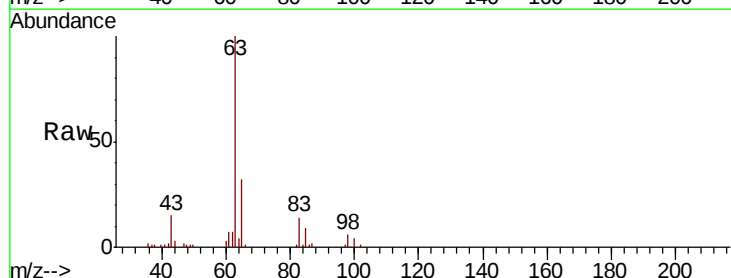
Tgt Ion: 63 Resp: 112031

Ion Ratio Lower Upper

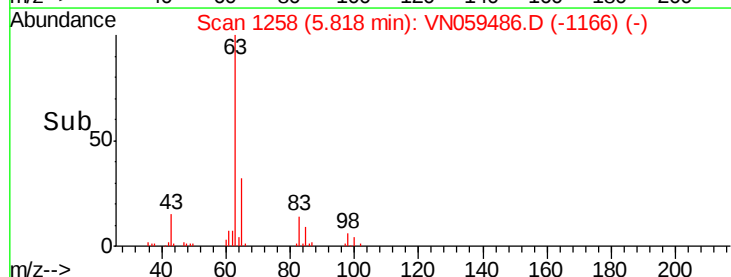
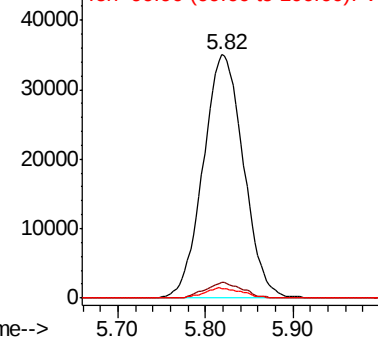
63 100

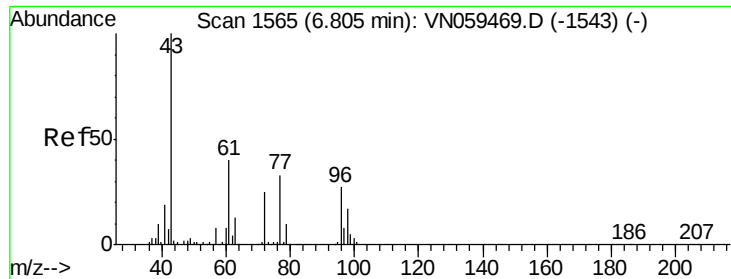
98 6.2 3.2 9.6

100 4.0 2.0 6.0



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

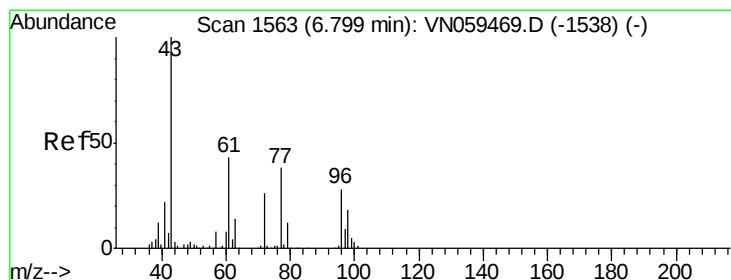
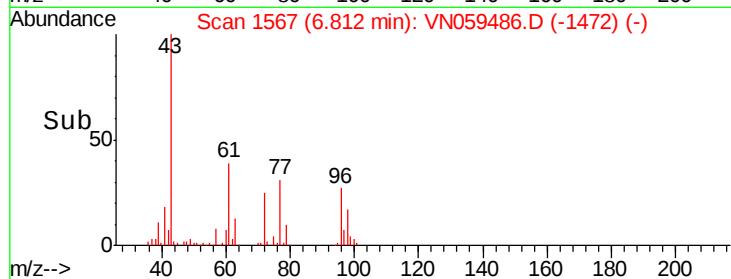
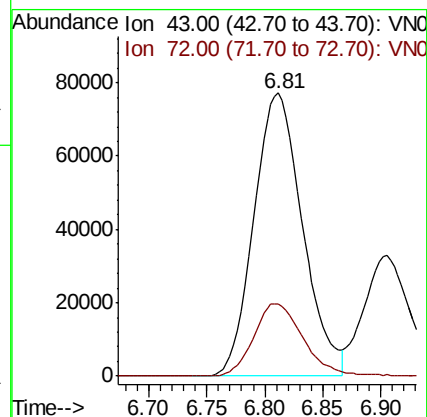
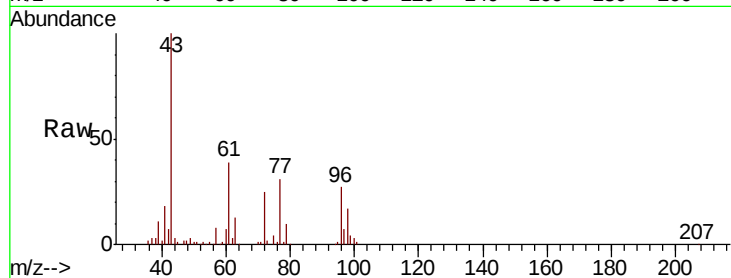




#25
2-Butanone
Concen: 72.832 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

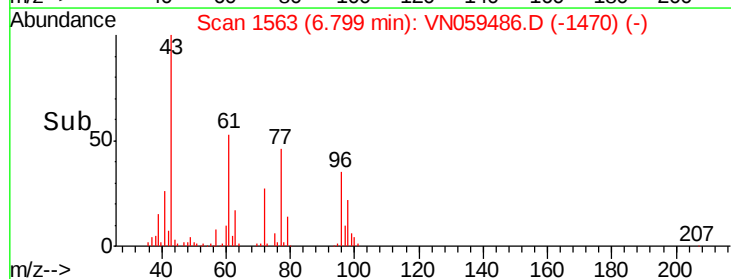
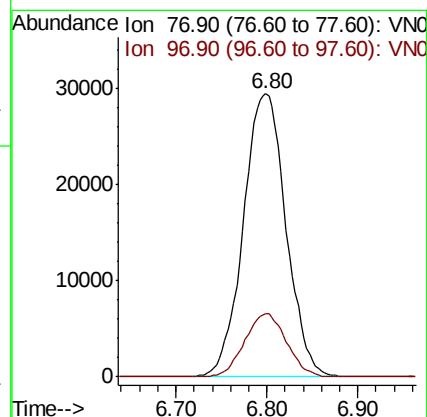
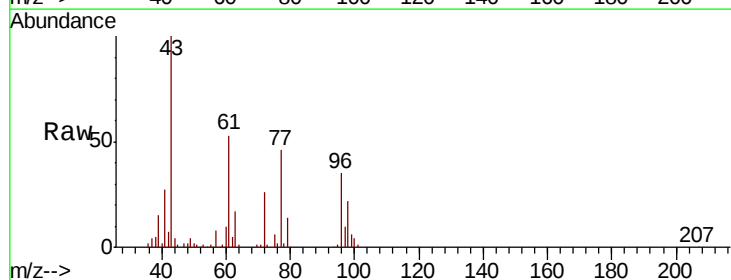
Instrument :
MSVOA_N
ClientSampled :

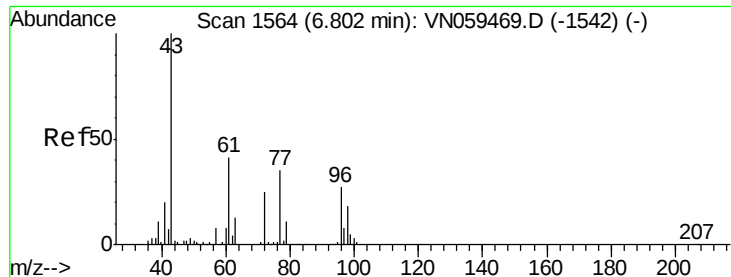
Tot Ion: 43 Resp: 225230
Ion Ratio Lower Upper
43 100
72 25.4 20.2 30.2



#26
2,2-Dichloropropane
Concen: 15.626 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 77 Resp: 95610
Ion Ratio Lower Upper
77 100
97 21.9 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 15.609 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

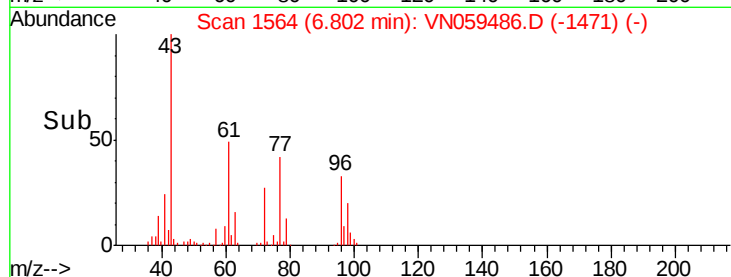
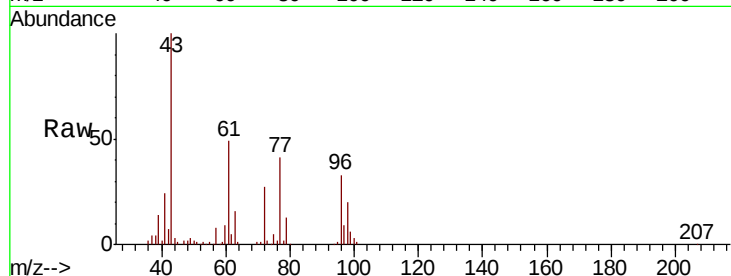
Tot Ion: 96 Resp: 65891

Ion Ratio Lower Upper

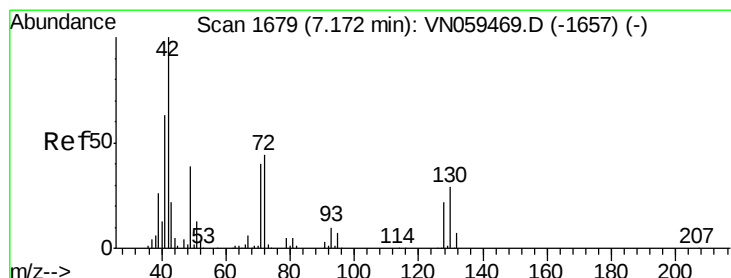
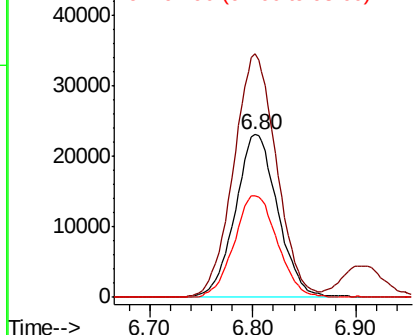
96 100

61 151.0 0.0 307.4

98 63.5 0.0 129.2



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



#28

Bromochloromethane

Concen: 13.837 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

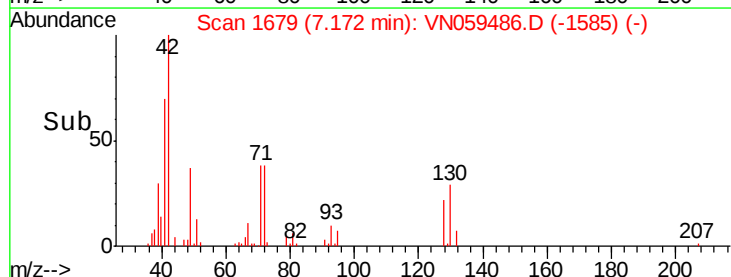
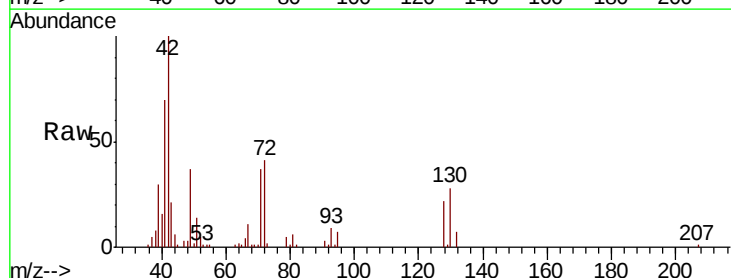
Tgt Ion: 49 Resp: 36932

Ion Ratio Lower Upper

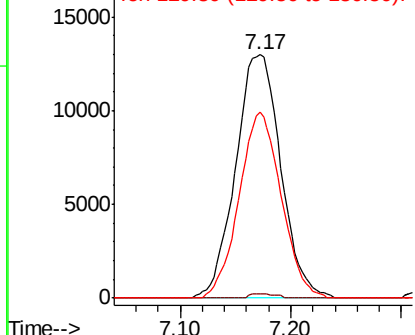
49 100

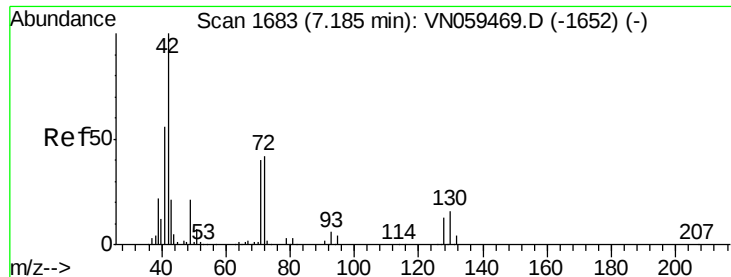
129 1.0 0.0 3.2

130 71.2 58.4 87.6



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

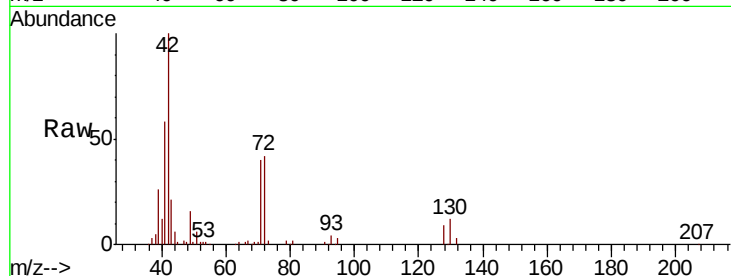




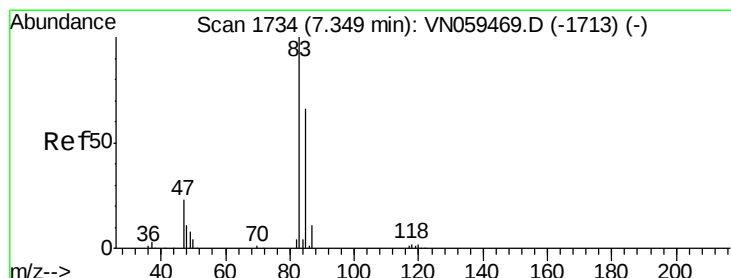
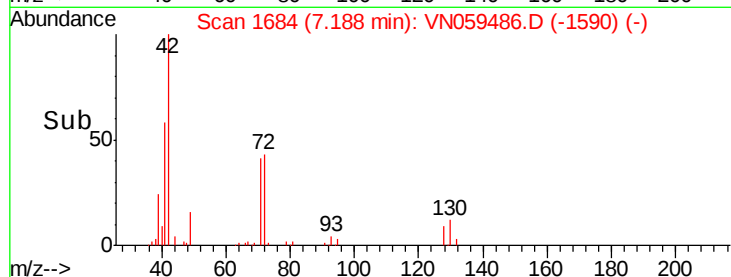
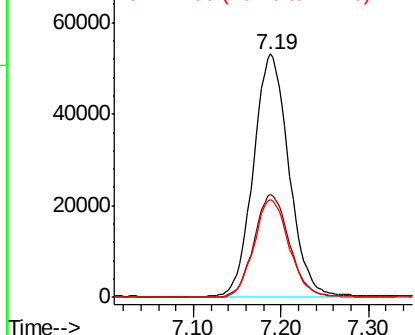
#29
Tetrahydrofuran
Concen: 77.280 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 150273
Ion Ratio Lower Upper
42 100
72 42.3 34.2 51.2
71 39.5 32.0 48.0

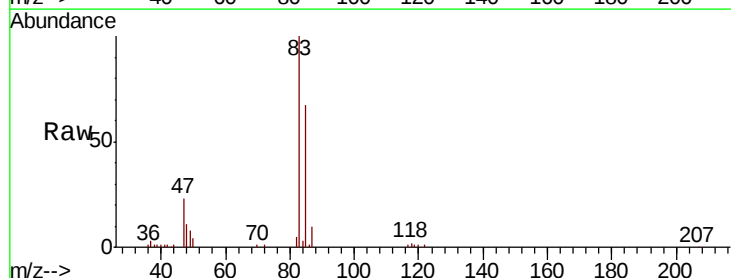


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

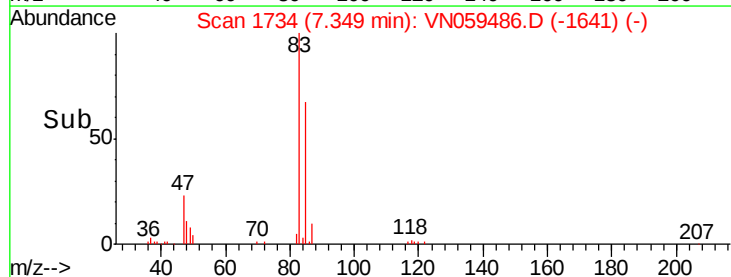
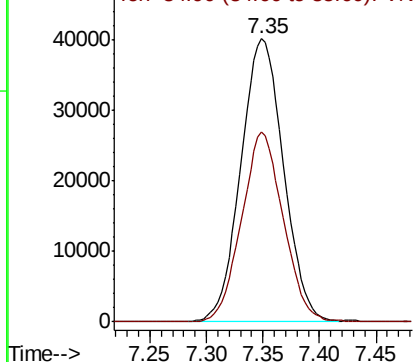


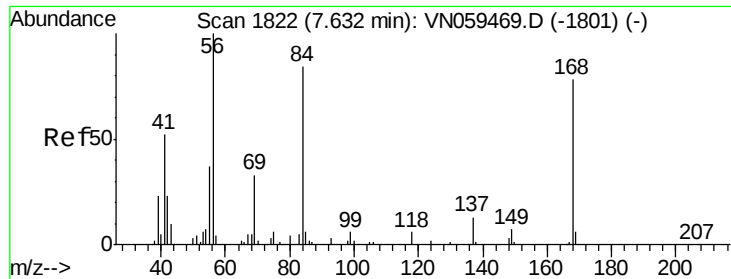
#30
Chloroform
Concen: 15.427 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 83 Resp: 105373
Ion Ratio Lower Upper
83 100
85 66.9 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 15.454 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

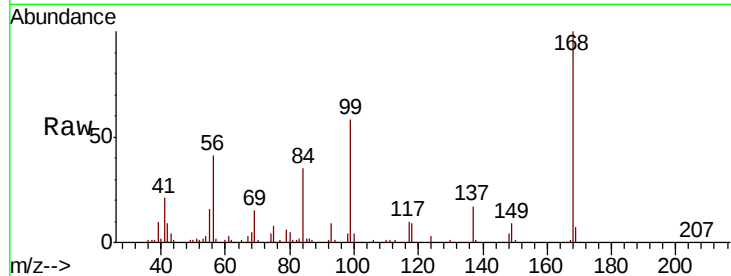
Tot Ion: 56 Resp: 105932

Ion Ratio Lower Upper

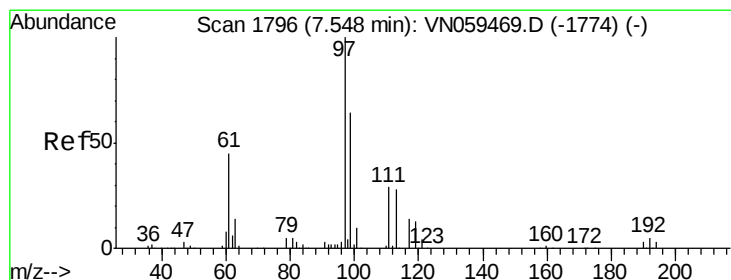
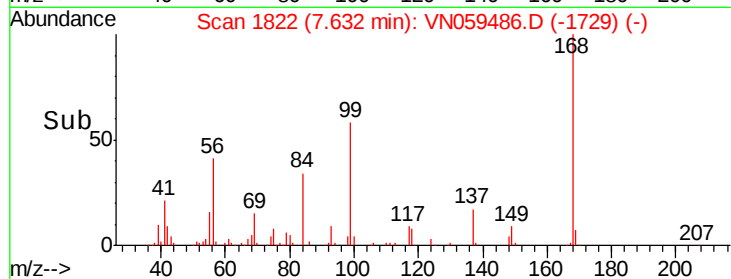
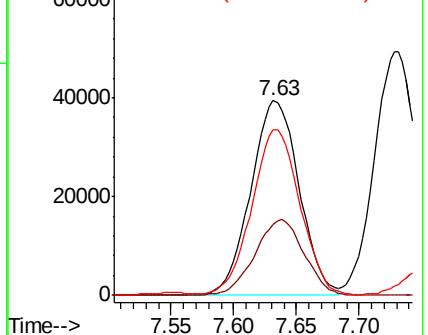
56 100

69 36.3 26.2 39.4

84 84.1 66.8 100.2



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



#32

1,1,1-Trichloroethane

Concen: 15.343 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

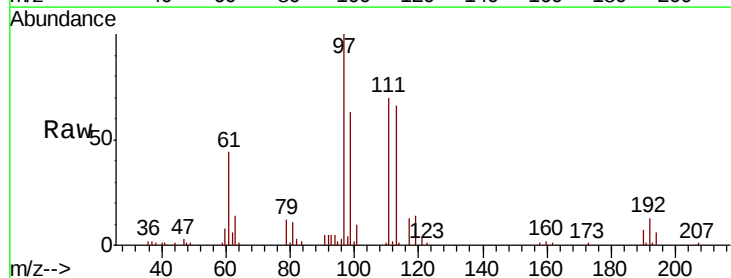
Tgt Ion: 97 Resp: 91091

Ion Ratio Lower Upper

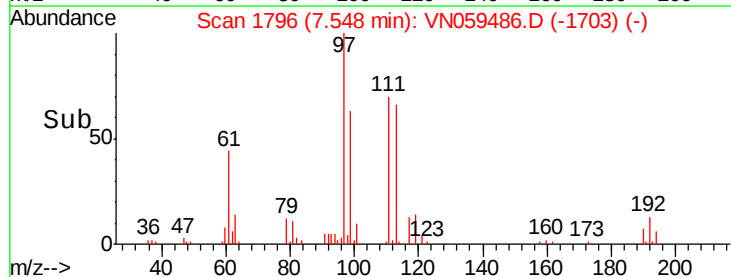
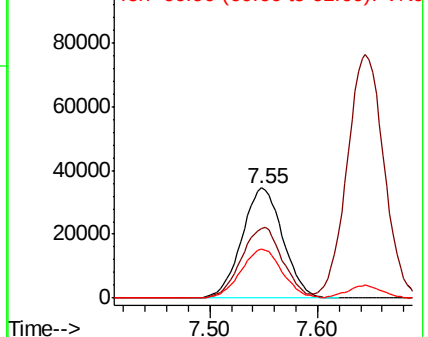
97 100

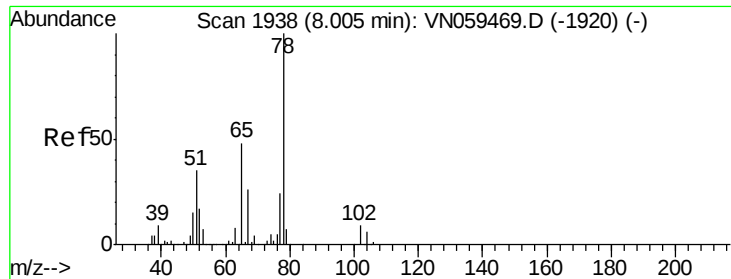
99 64.1 51.7 77.5

61 45.0 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 41.028 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

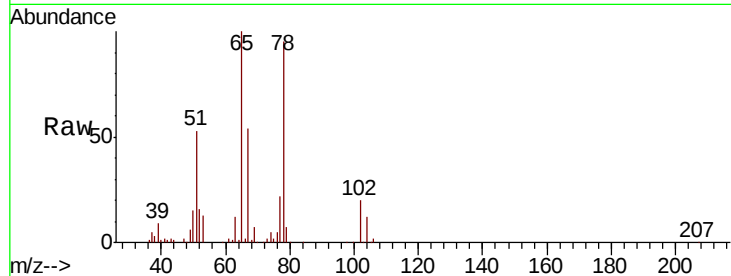
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 166926

Ion Ratio Lower Upper

65 100

67 54.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059486.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059486.D (-1920) (-)

8.01

80000

60000

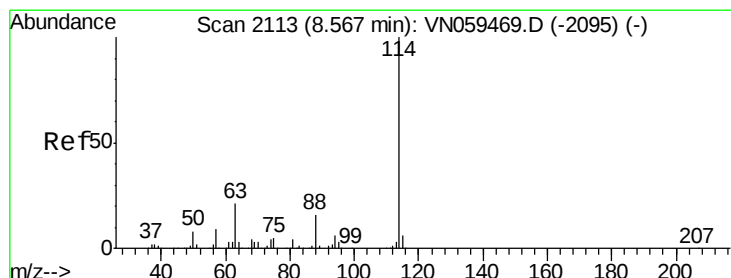
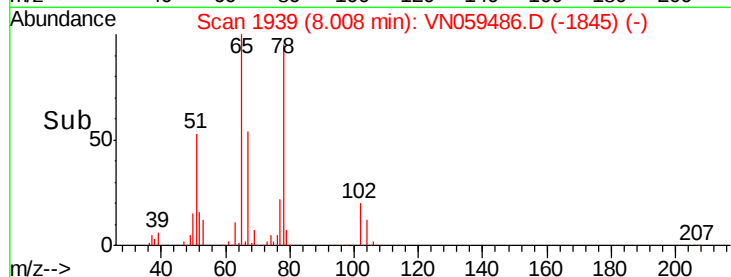
40000

20000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

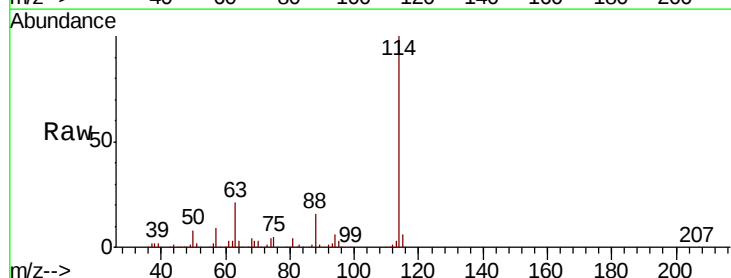
Tgt Ion: 114 Resp: 519552

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 15.7 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN059486.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059486.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059486.D (-2095) (-)

8.57

300000

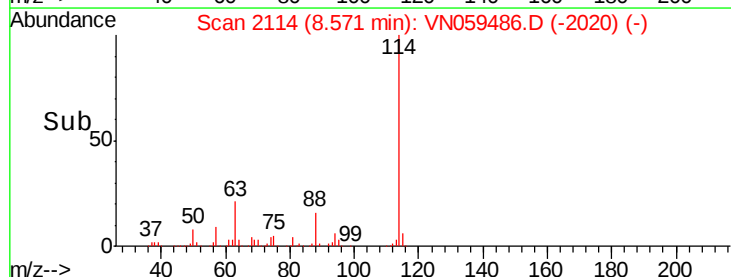
200000

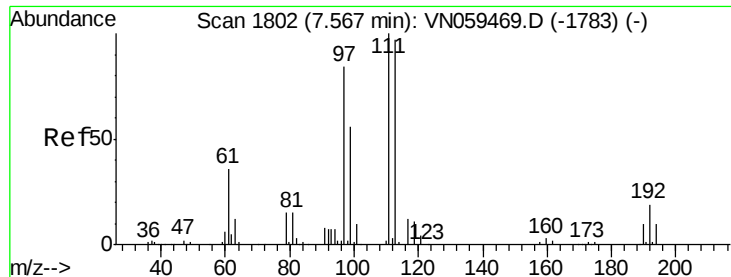
100000

0

8.50 8.60 8.70

Time-->

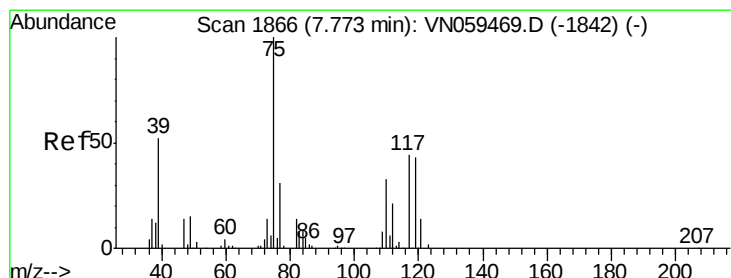
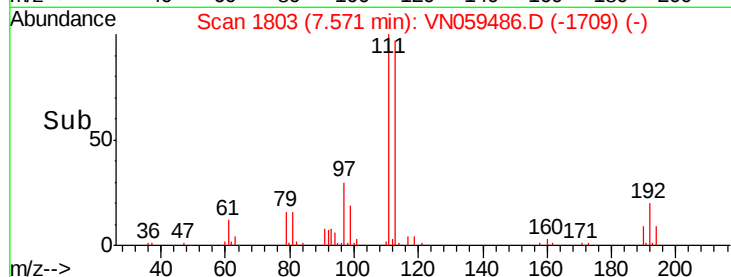
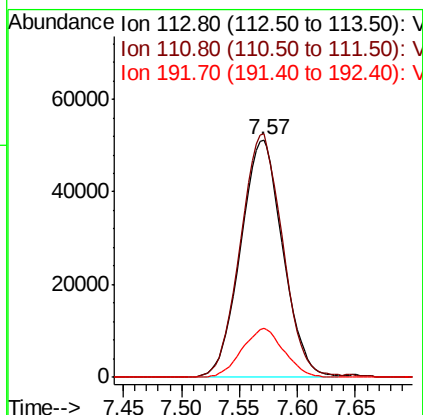
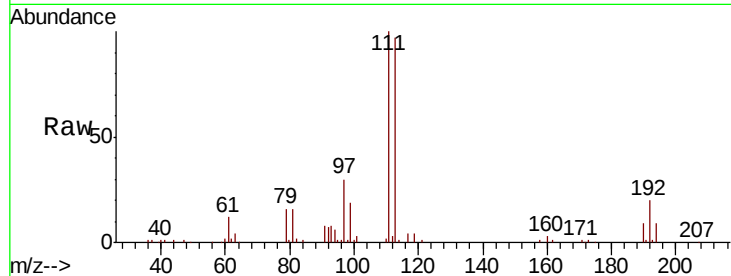




#35
 Dibromofluoromethane
 Concen: 40.048 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

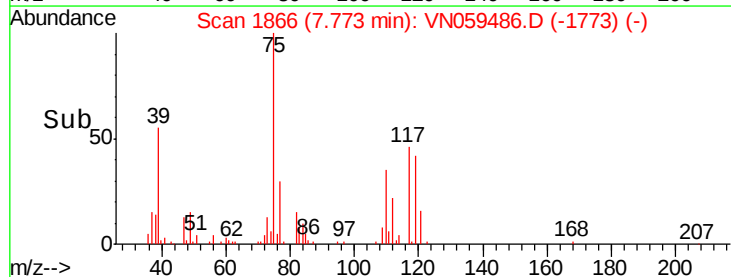
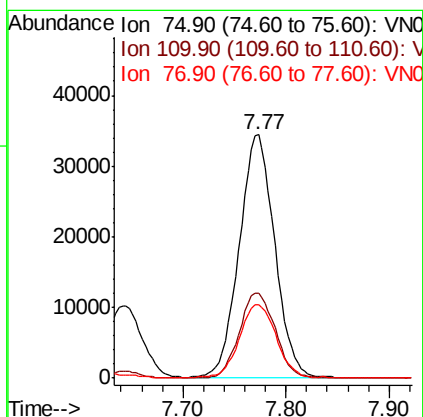
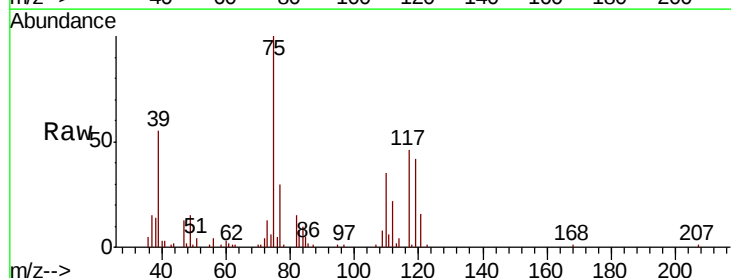
Instrument :
 MSVOA_N
 ClientSampleId :

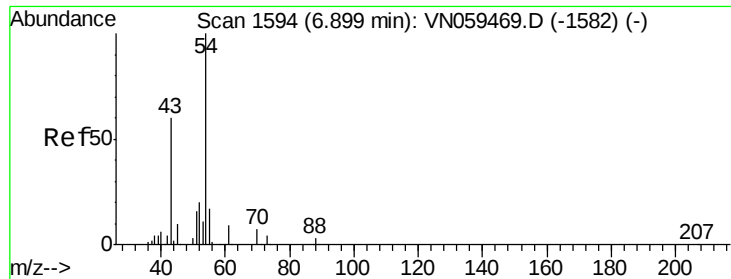
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.5	123.7
192	20.5	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 15.317 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.9	50.7
77	31.3	25.1	37.7

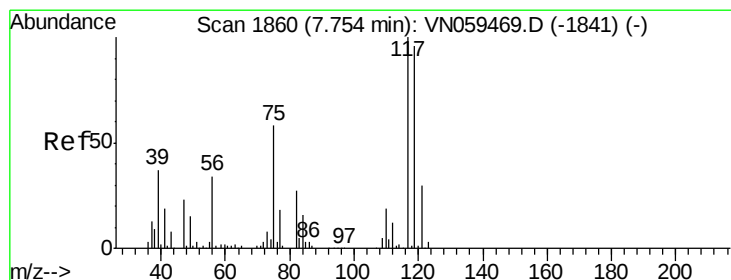
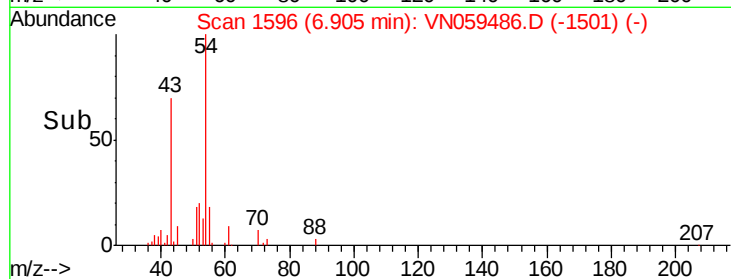
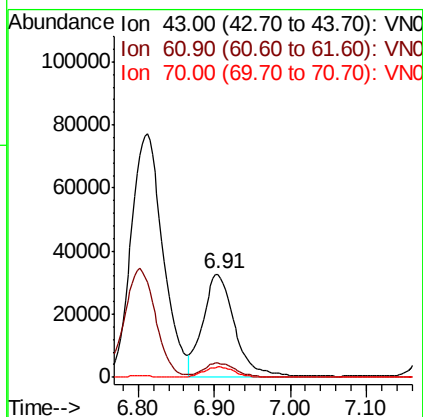
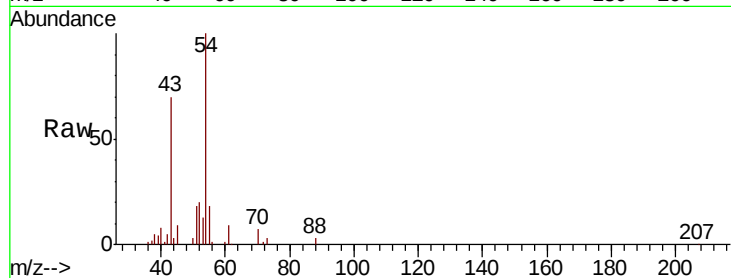




#37
Ethyl Acetate
Concen: 15.688 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

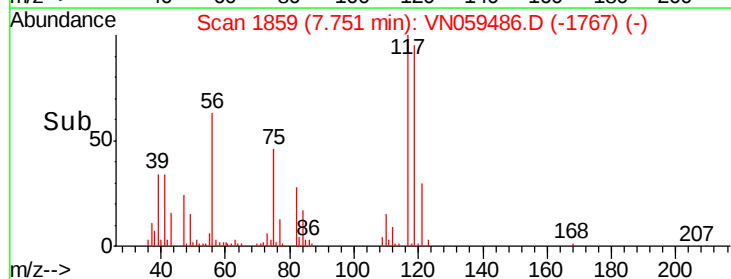
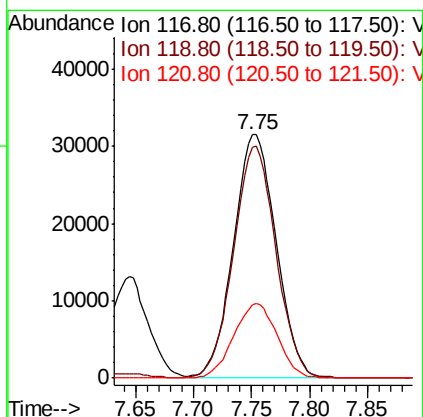
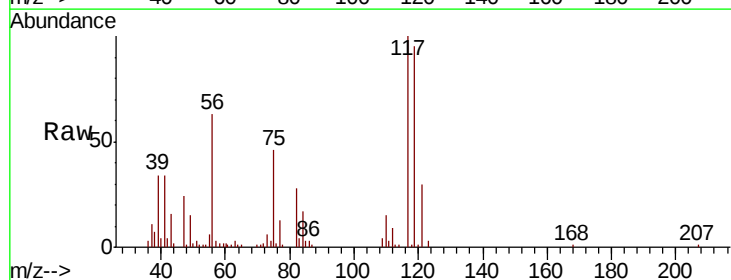
Instrument :
MSVOA_N
ClientSampled :

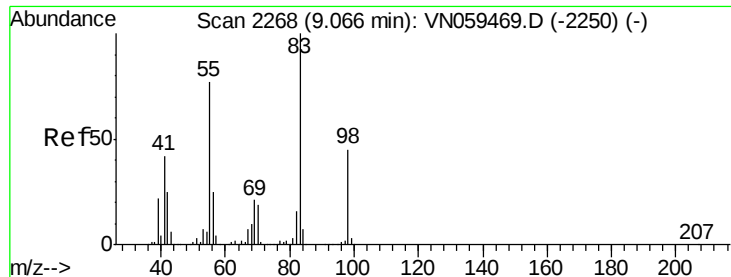
Tot Ion: 43 Resp: 94743
Ion Ratio Lower Upper
43 100
61 14.1 11.3 16.9
70 9.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 15.553 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 117 Resp: 80877
Ion Ratio Lower Upper
117 100
119 94.8 76.6 114.8
121 29.9 24.0 36.0

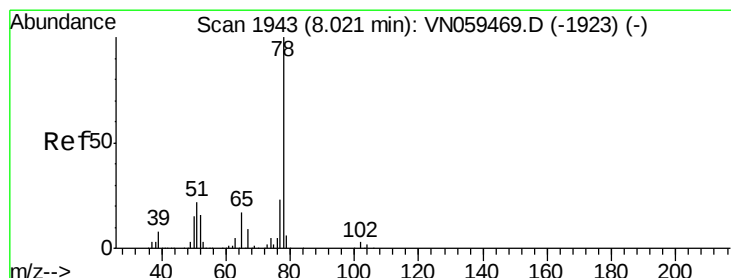
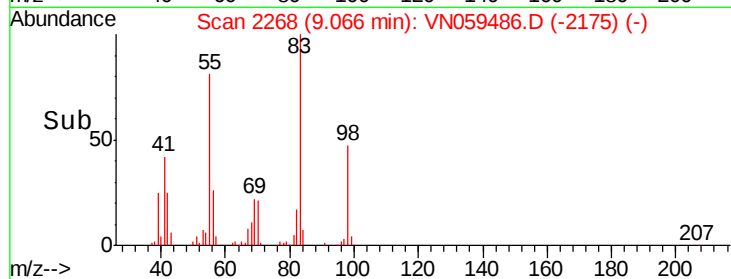
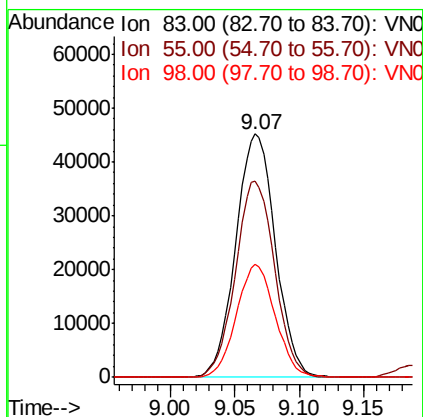
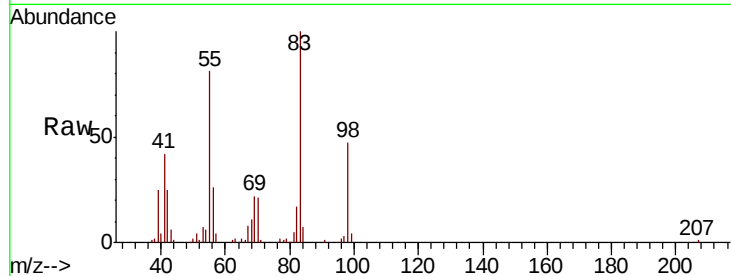




#39
Methvlcvclohexane
Concen: 14.852 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

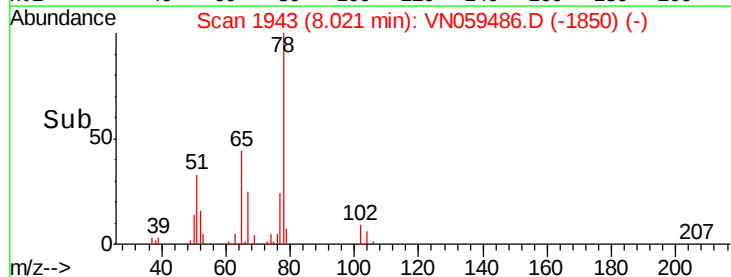
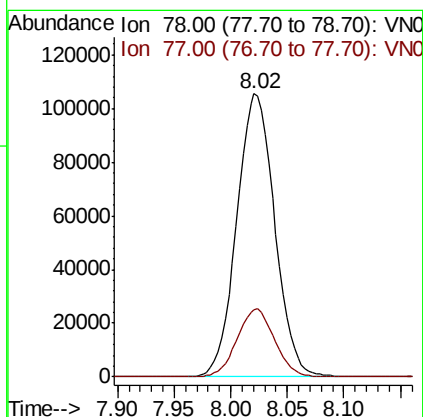
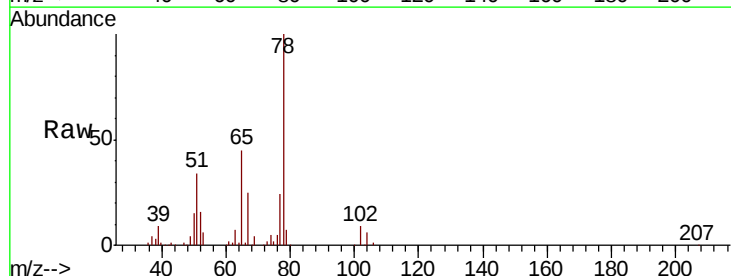
Instrument :
MSVOA_N
ClientSampled :

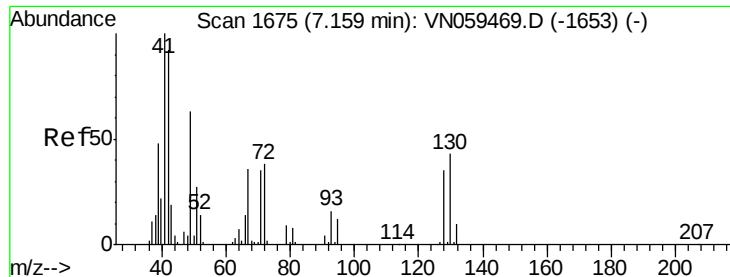
Tot Ion: 83 Resp: 96632
Ion Ratio Lower Upper
83 100
55 80.7 61.8 92.6
98 46.7 36.2 54.2



#40
Benzene
Concen: 15.575 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 78 Resp: 246588
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.2

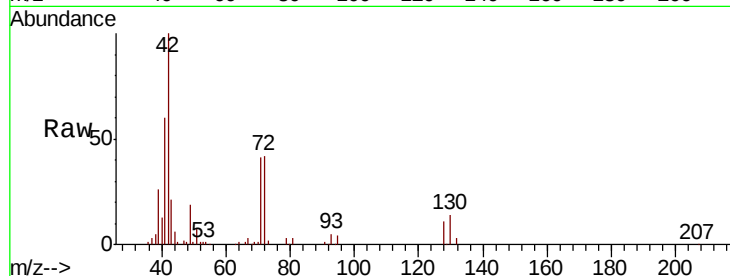




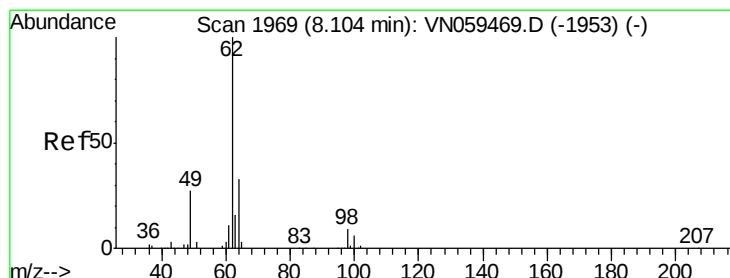
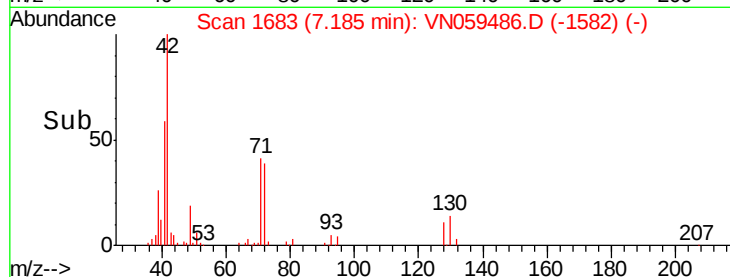
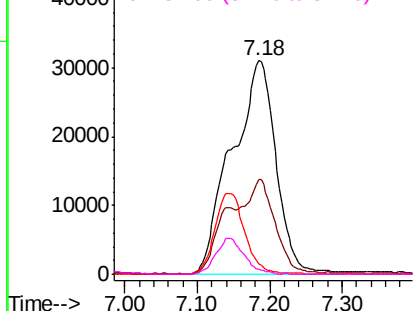
#41
Methacrylonitrile
Concen: 53.589 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	131163
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

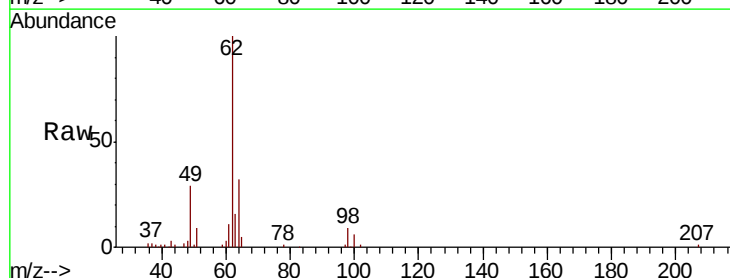


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

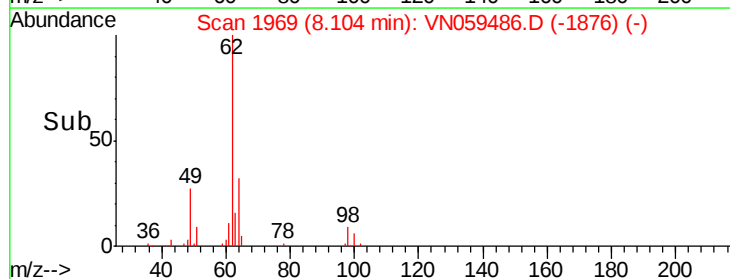
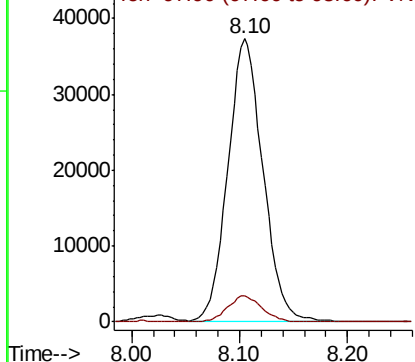


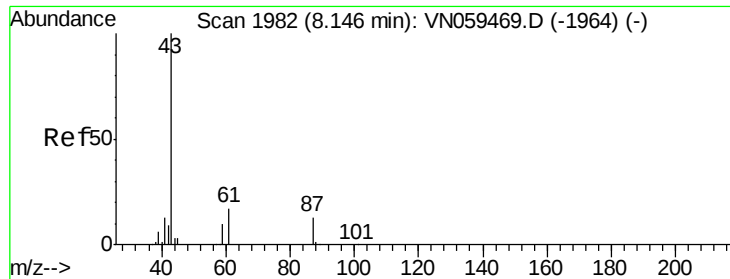
#42
1,2-Dichloroethane
Concen: 15.747 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion:	62	Resp:	84688
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



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

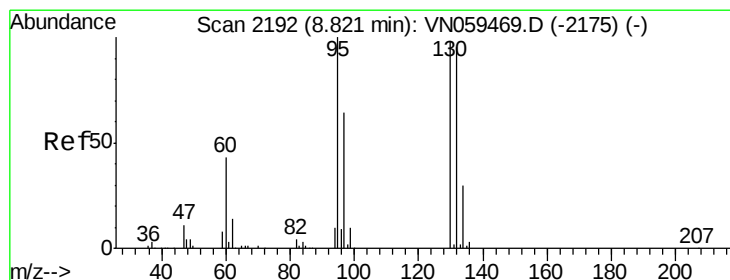
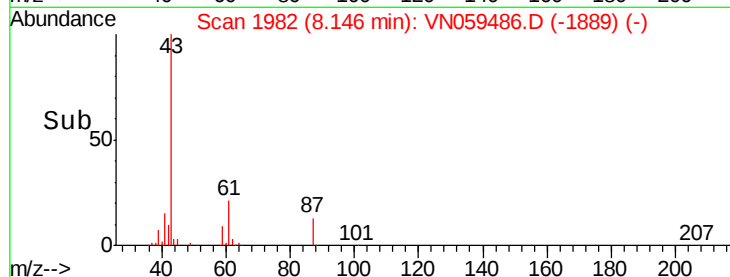
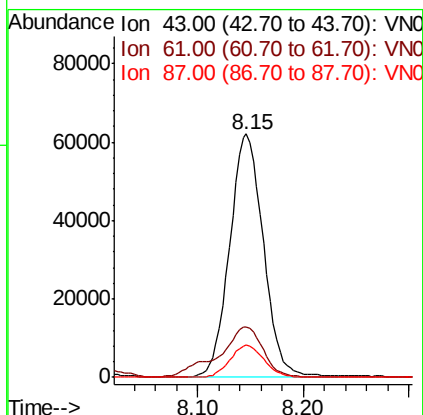
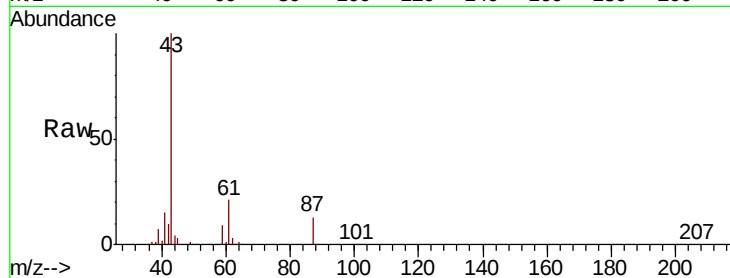




#43
Isopropyl Acetate
Concen: 15.364 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

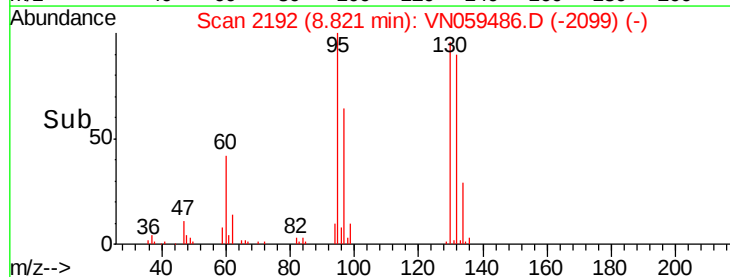
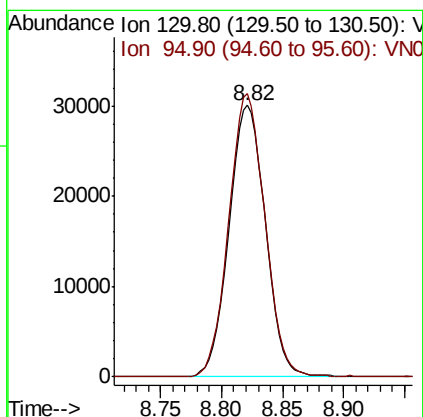
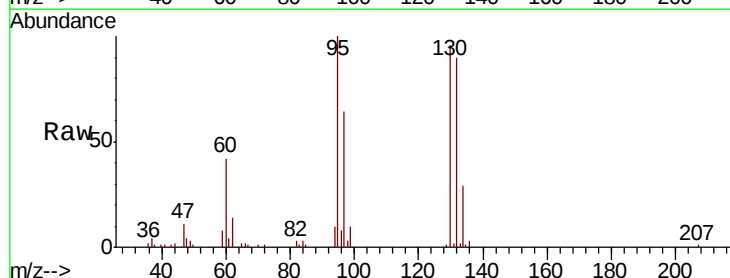
Instrument :
MSVOA_N
ClientSampleId :

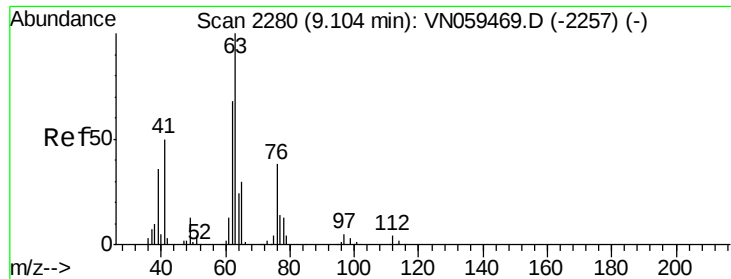
Tot Ion: 43 Resp: 138007
Ion Ratio Lower Upper
43 100
61 27.1 21.0 31.6
87 13.0 10.4 15.6



#44
Trichloroethene
Concen: 15.074 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion:130 Resp: 62368
Ion Ratio Lower Upper
130 100
95 104.2 0.0 203.6

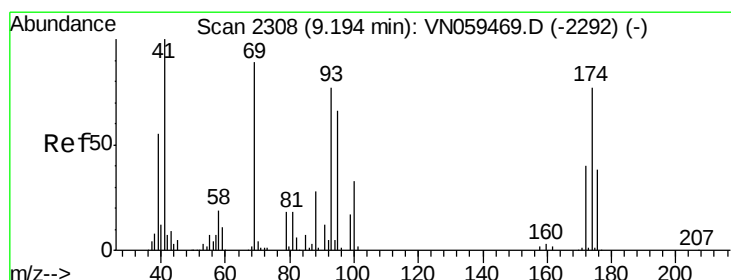
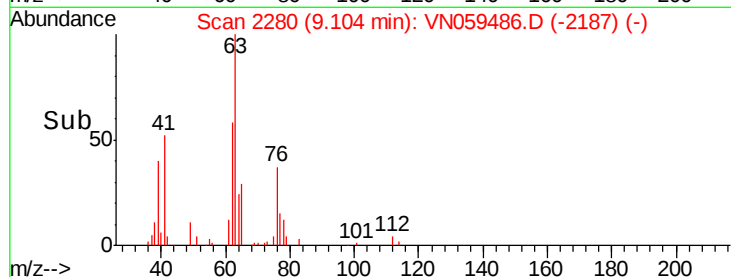
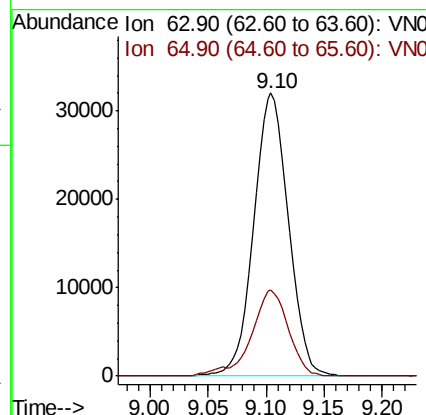
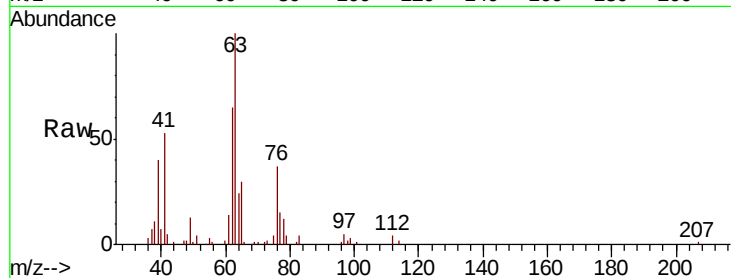




#45
 1,2-Dichloropropane
 Concen: 15.779 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

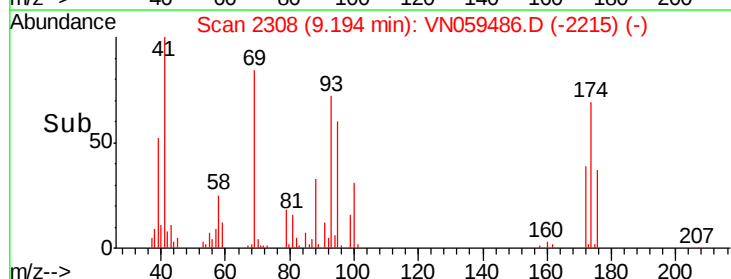
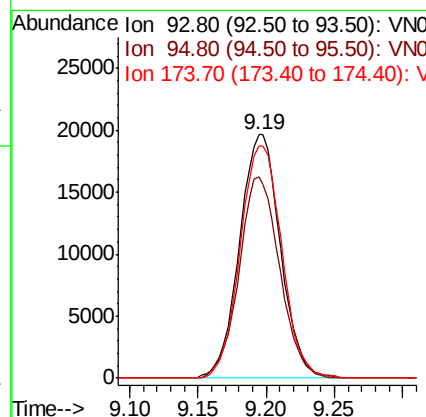
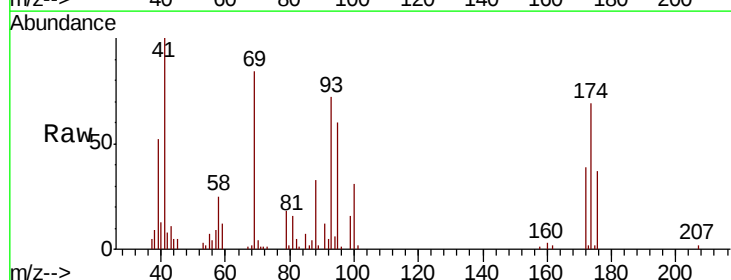
Instrument :
 MSVOA_N
 ClientSampled :

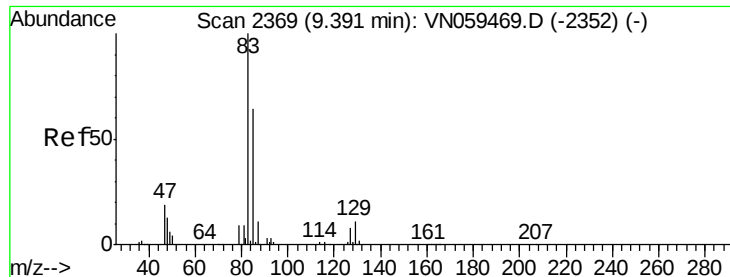
Tot Ion: 63 Resp: 66745
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6



#46
 Dibromomethane
 Concen: 15.501 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

Tgt Ion: 93 Resp: 40822
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.0 100.6
 174 97.1 79.6 119.4





#47

Bromodichloromethane

Concen: 15.488 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

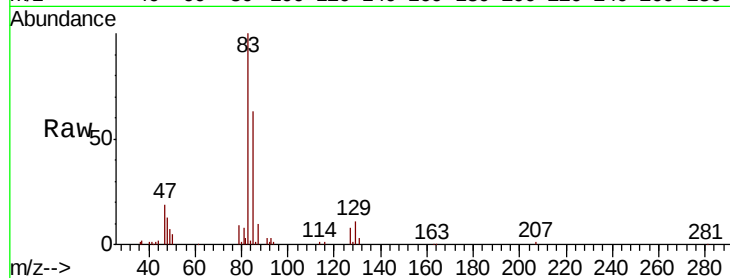
Tot Ion: 83 Resp: 81783

Ion Ratio Lower Upper

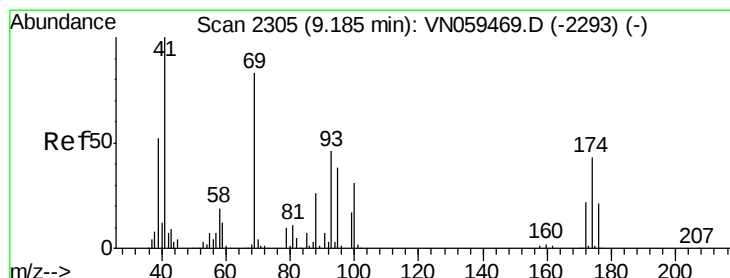
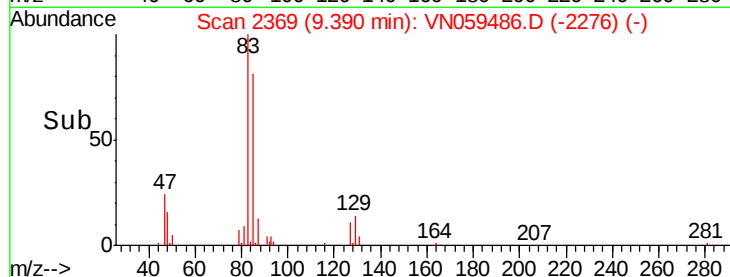
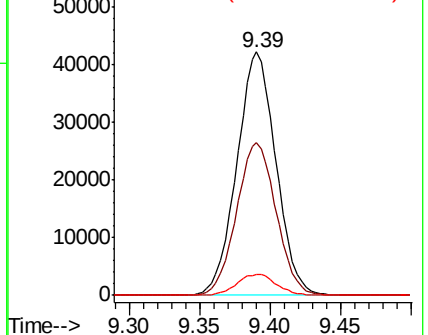
83 100

85 62.5 51.0 76.6

127 8.4 6.6 9.8



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



#48

Methyl methacrylate

Concen: 14.995 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

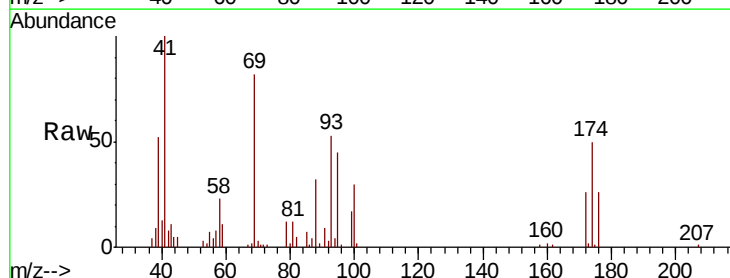
Tgt Ion: 41 Resp: 60764

Ion Ratio Lower Upper

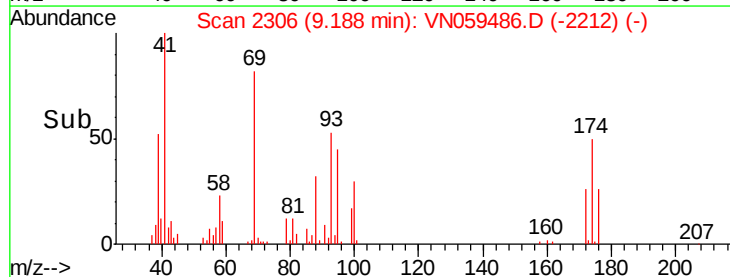
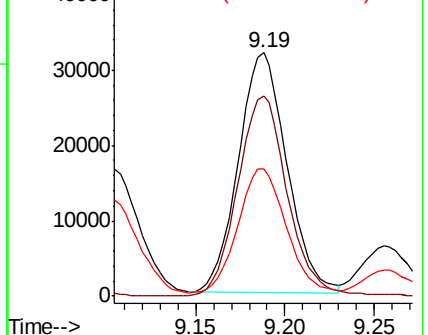
41 100

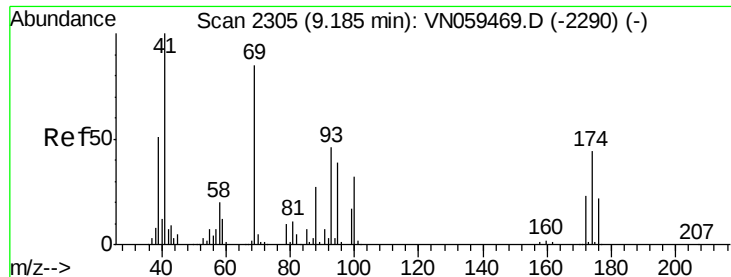
69 85.2 68.6 103.0

39 53.7 43.2 64.8



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

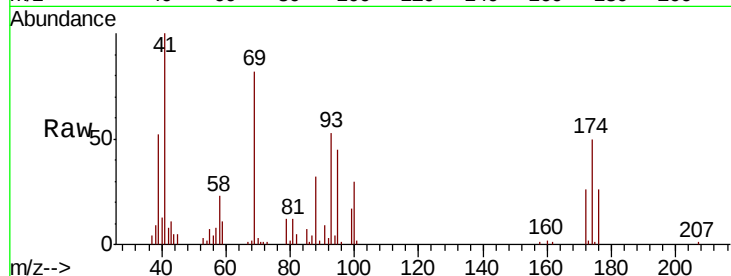




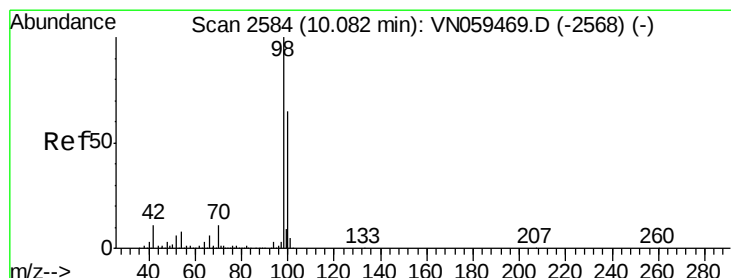
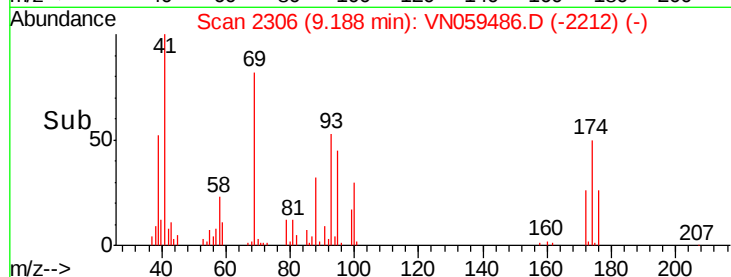
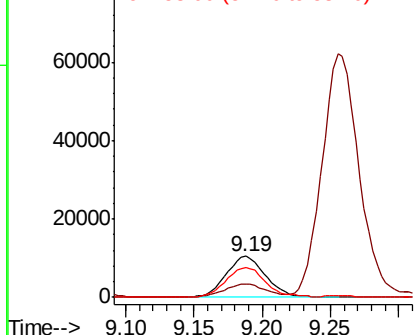
#49
1,4-Dioxane
Concen: 347.558 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 21312
Ion Ratio Lower Upper
88 100
43 34.0 27.1 40.7
58 73.3 57.8 86.6

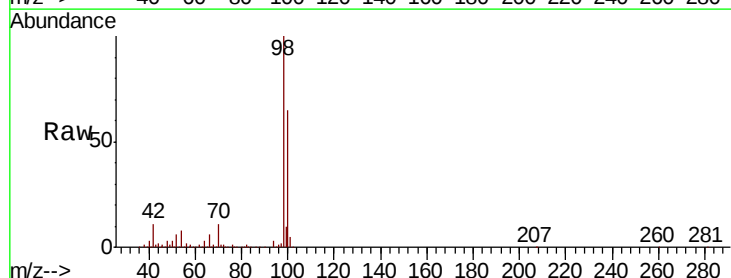


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

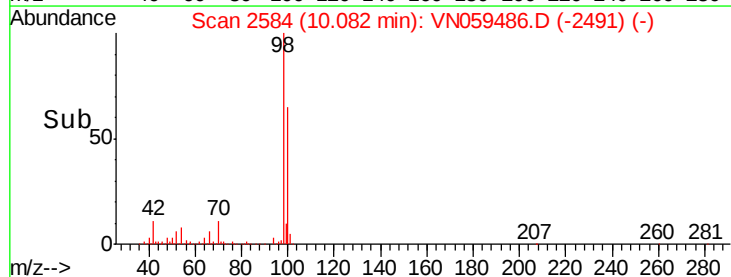
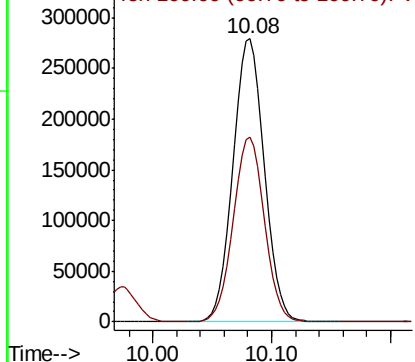


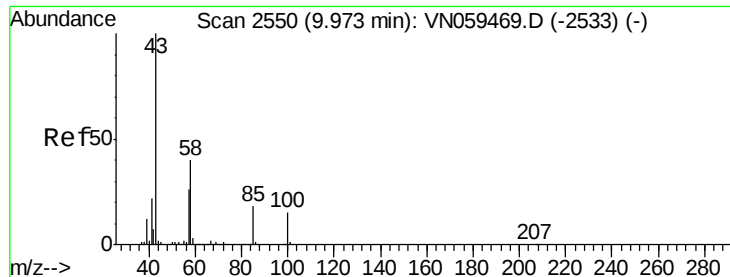
#50
Toluene-d8
Concen: 39.982 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 98 Resp: 510110
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 80.860 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

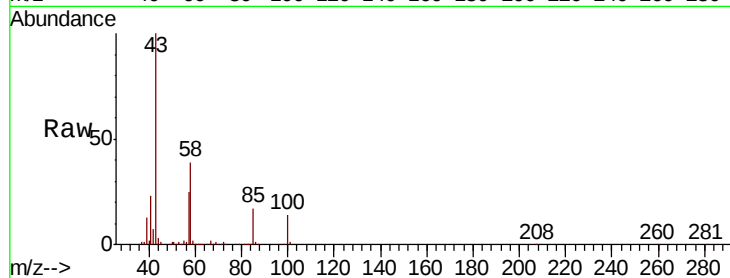
ClientSampled :

Tot Ion: 43 Resp: 431127

Ion Ratio Lower Upper

43 100

58 38.9 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN059469.D (-2533) (-)

9.97

250000

200000

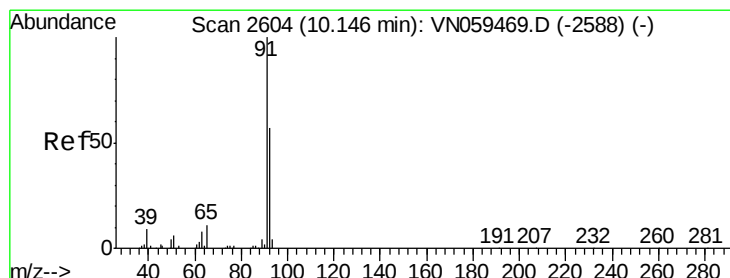
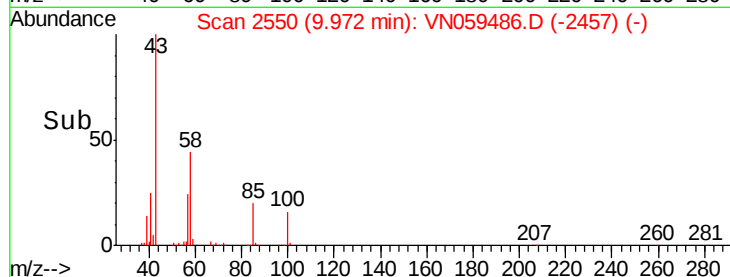
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 15.624 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059486.D

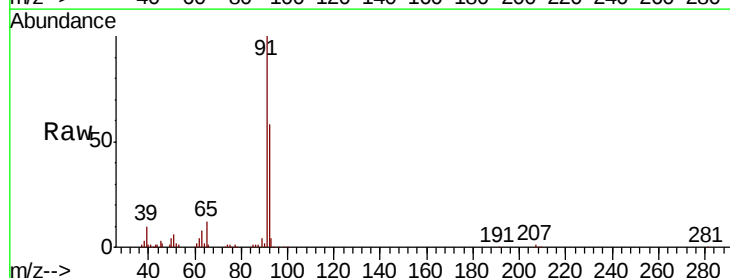
Acq: 4 Dec 2019 14:52

Tgt Ion: 92 Resp: 149610

Ion Ratio Lower Upper

92 100

91 170.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN059469.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059469.D (-2588) (-)

10.15

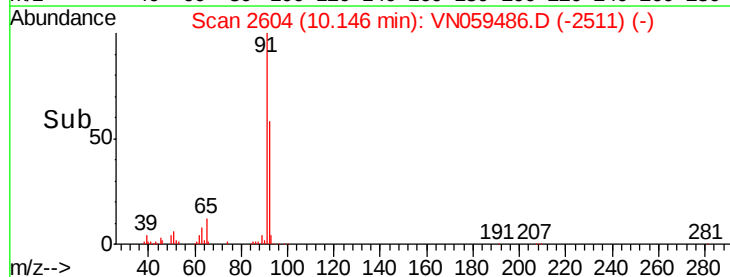
150000

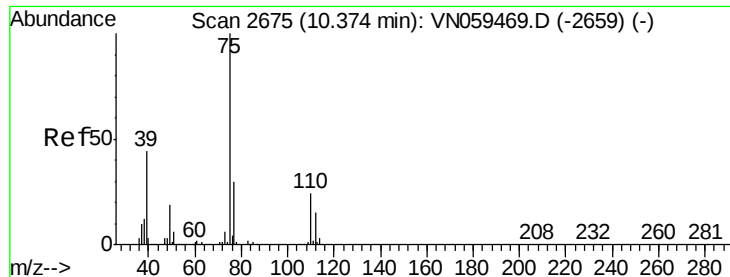
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 15.163 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

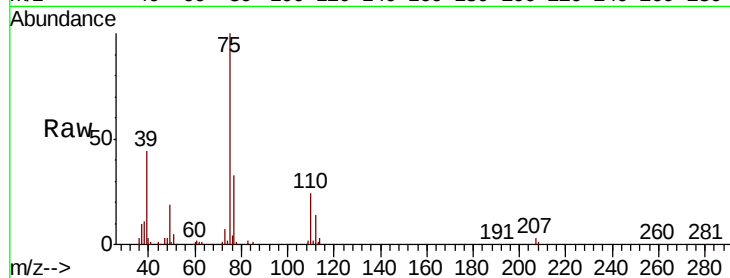
ClientSampled :

Tot Ion: 75 Resp: 94215

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

50000

40000

30000

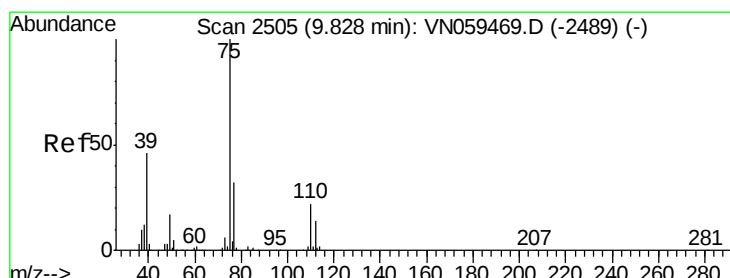
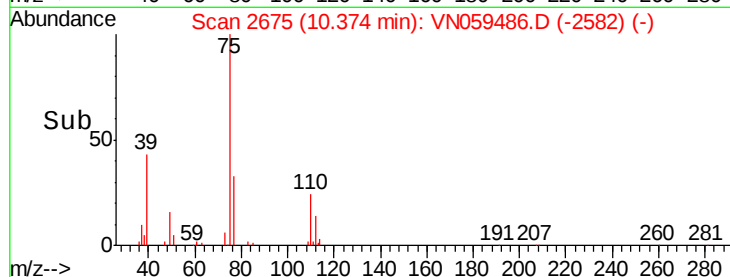
20000

10000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 15.365 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

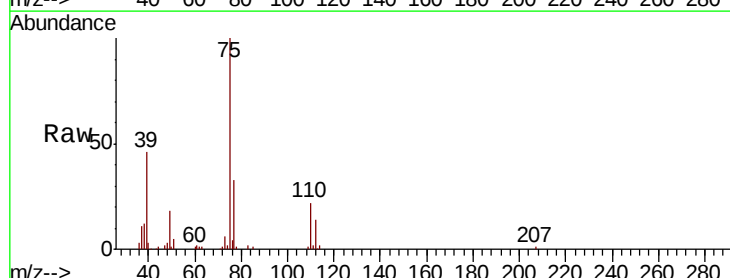
Tgt Ion: 75 Resp: 101190

Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5

39 46.3 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

60000

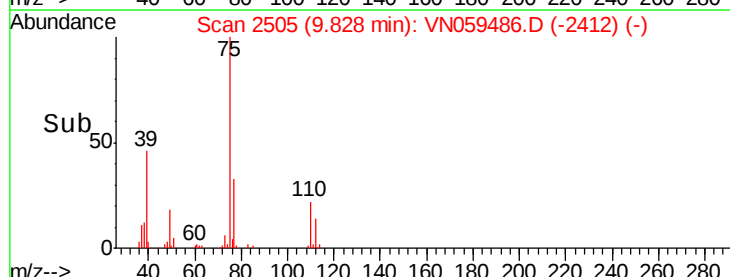
40000

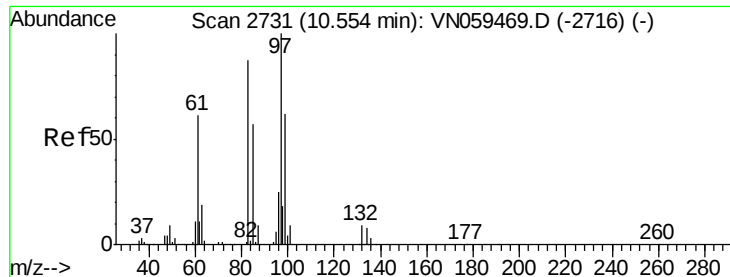
20000

0

Time-->

9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 15.449 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 58314

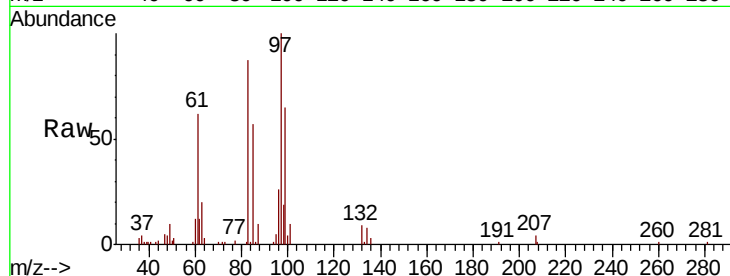
Ion Ratio Lower Upper

97 100

83 86.9 69.8 104.8

85 56.7 45.5 68.3

99 64.8 50.0 75.0

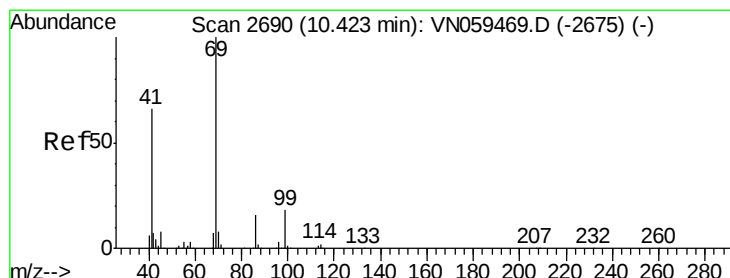
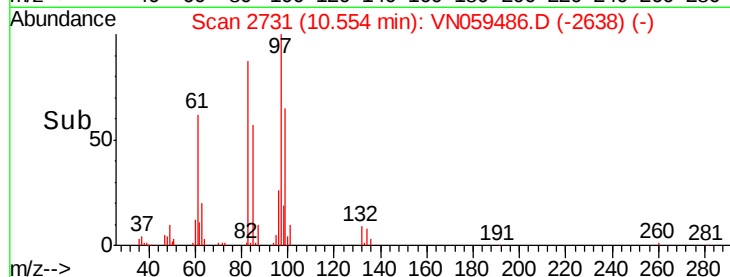
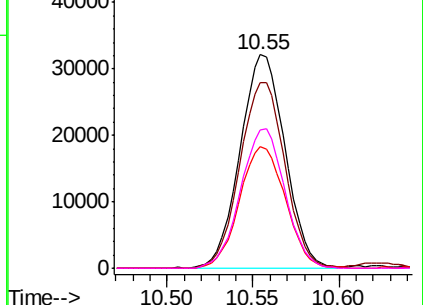


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 14.518 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

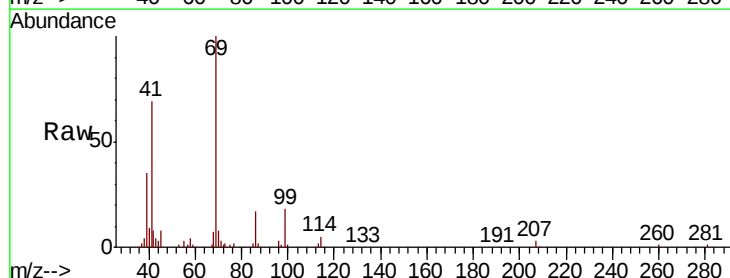
Tgt Ion: 69 Resp: 82233

Ion Ratio Lower Upper

69 100

41 66.8 52.7 79.1

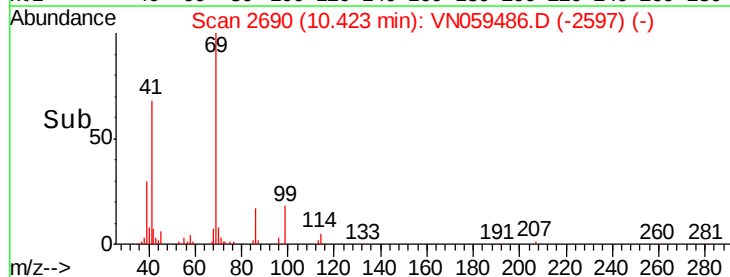
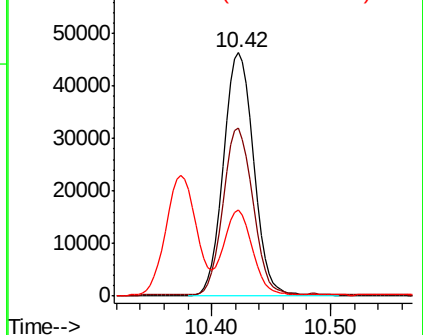
39 33.6 25.0 37.6

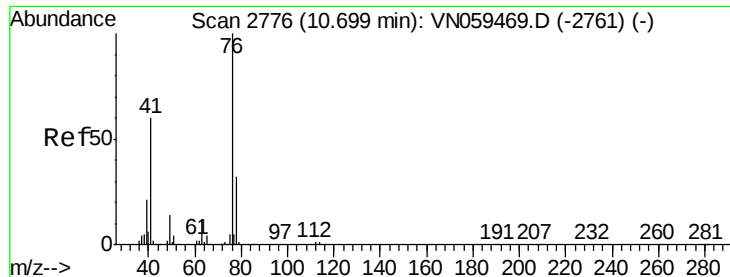


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 15.376 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

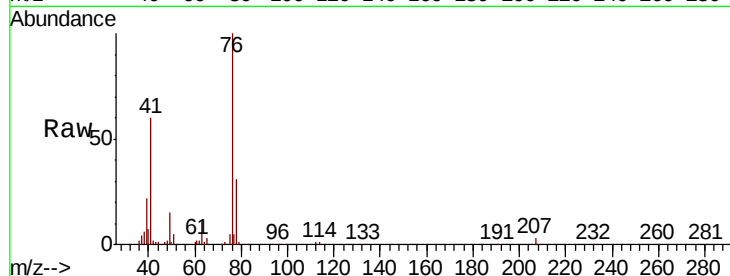
ClientSampled :

Tot Ion: 76 Resp: 100365

Ion Ratio Lower Upper

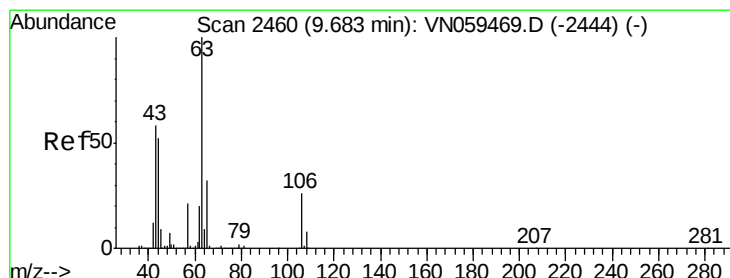
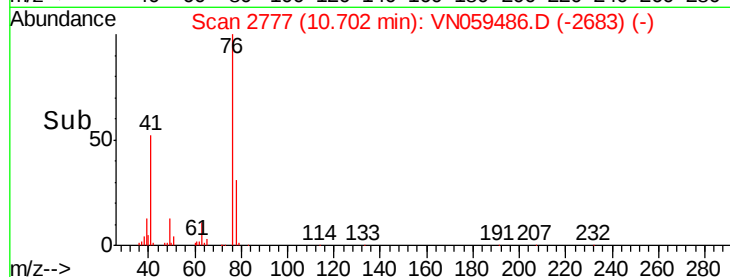
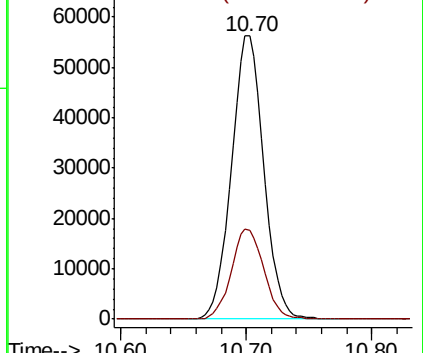
76 100

78 31.9 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: 76.222 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059486.D

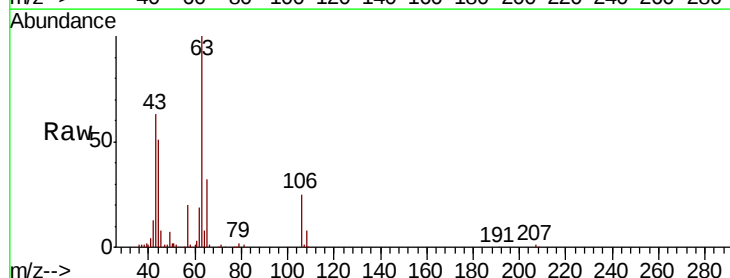
Acq: 4 Dec 2019 14:52

Tgt Ion: 63 Resp: 134421

Ion Ratio Lower Upper

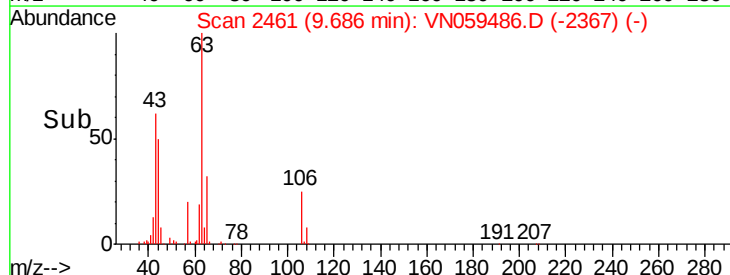
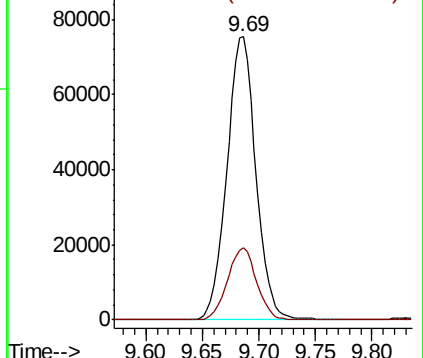
63 100

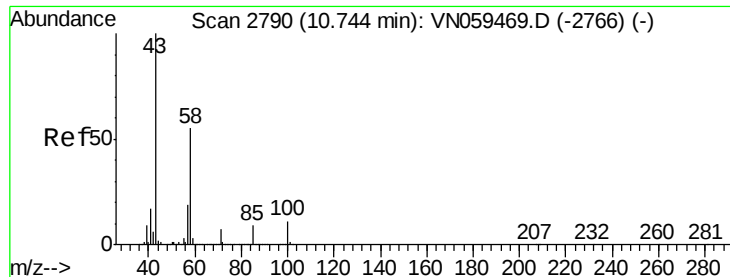
106 25.5 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

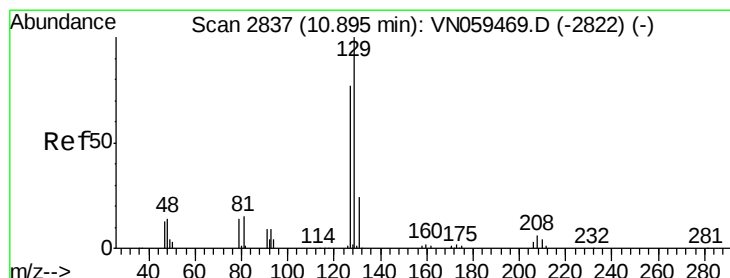
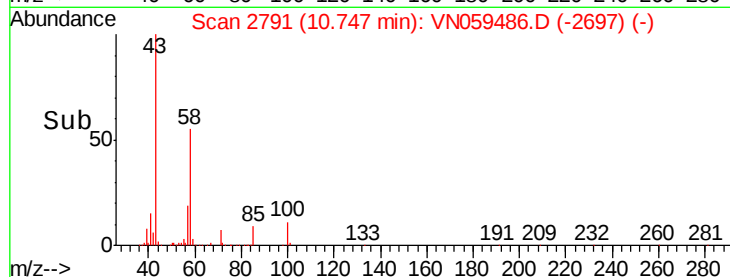
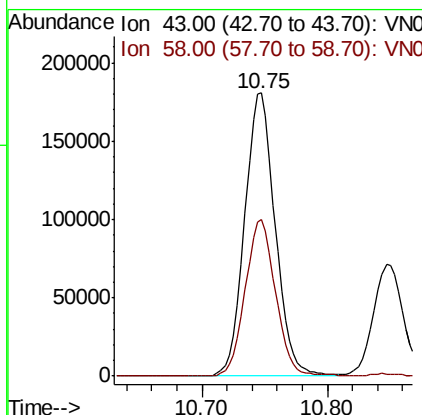
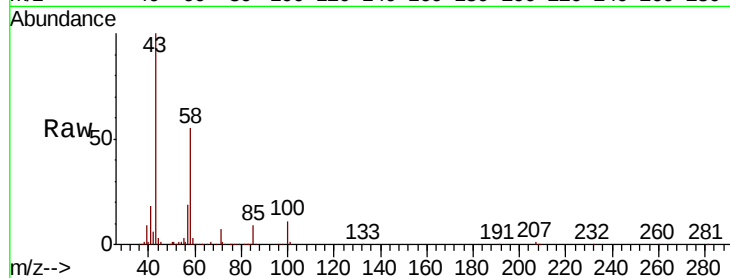




#59
2-Hexanone
Concen: 76.470 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

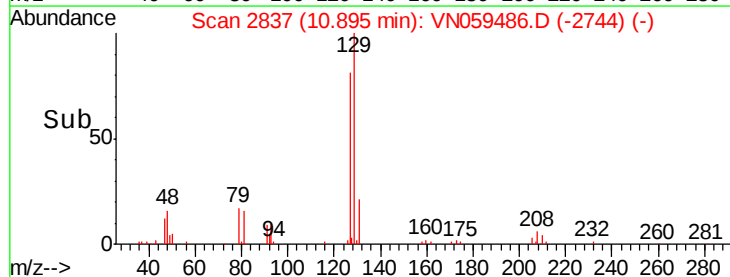
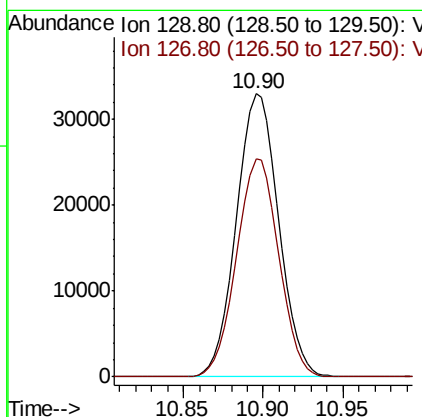
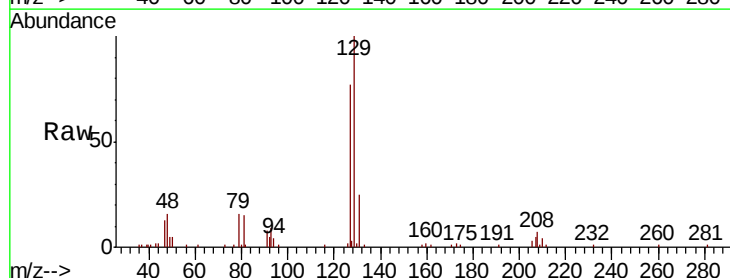
Instrument :
MSVOA_N
ClientSampleId :

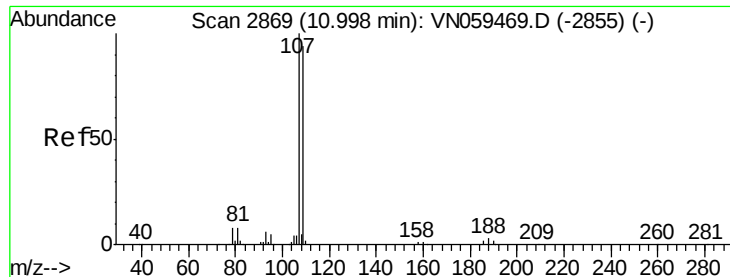
Tot Ion: 43 Resp: 306838
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.0



#60
Dibromochloromethane
Concen: 14.757 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion: 129 Resp: 59476
Ion Ratio Lower Upper
129 100
127 76.9 39.0 116.9

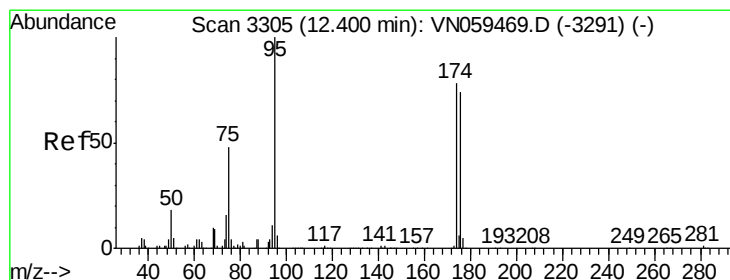
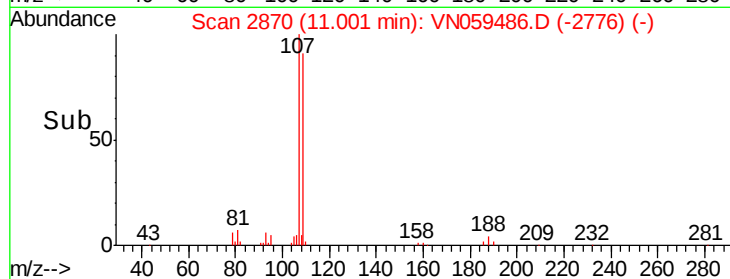
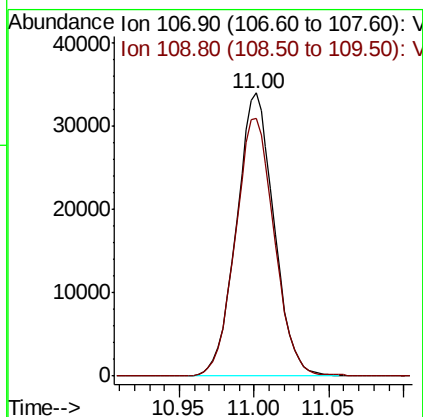
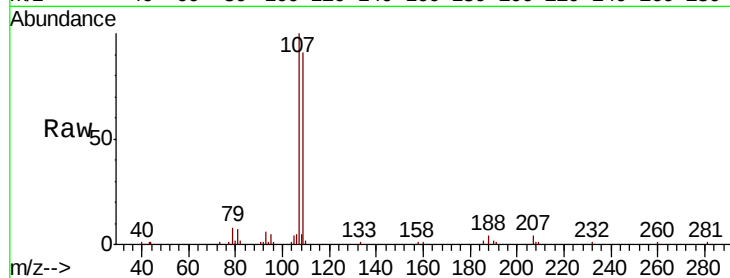




#61
 1,2-Dibromoethane
 Concen: 15.180 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

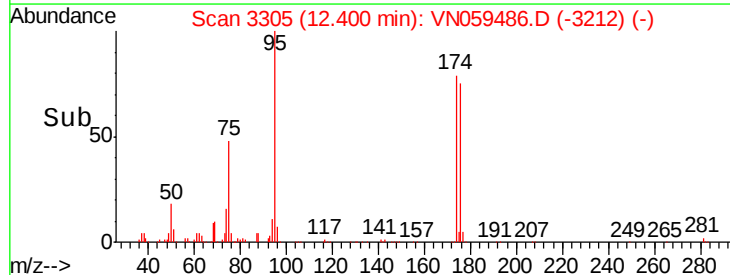
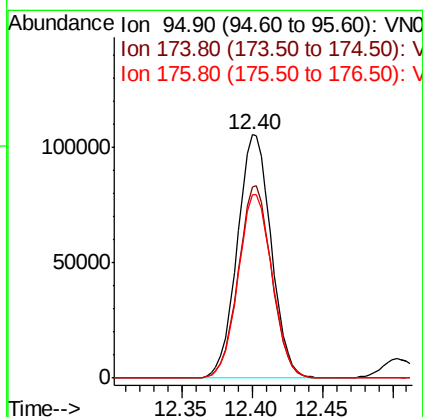
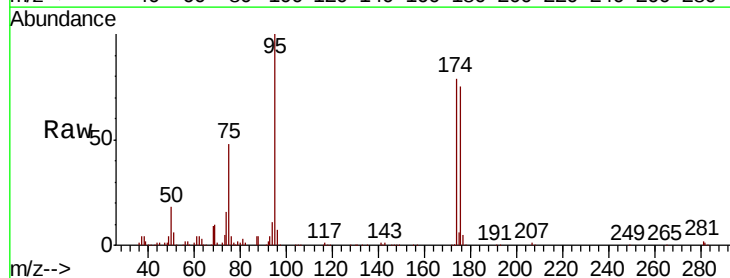
Instrument :
 MSVOA_N
 ClientSampleId :

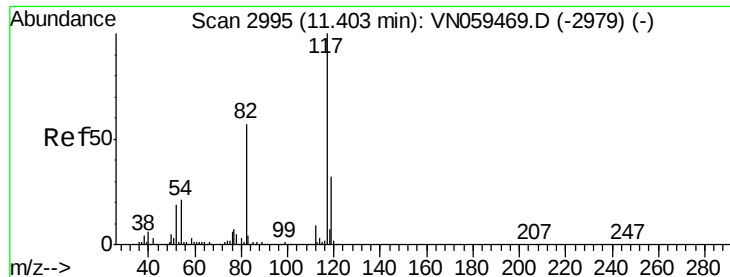
Tot Ion: 107 Resp: 59209
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 40.029 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

Tgt Ion: 95 Resp: 178353
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 157.0
 176 75.8 0.0 152.4

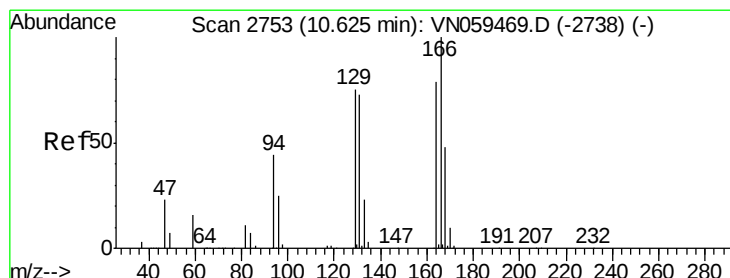
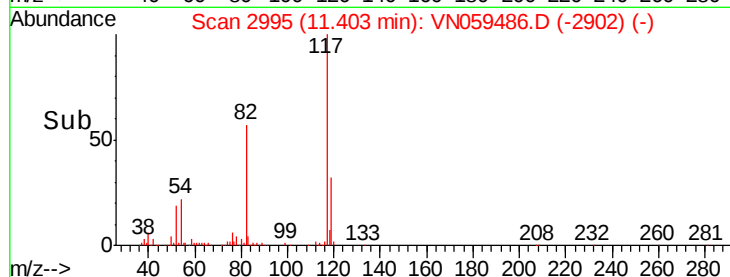
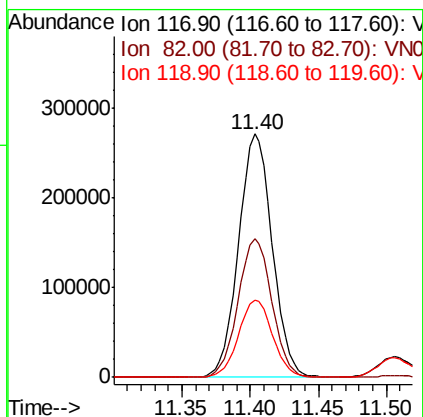
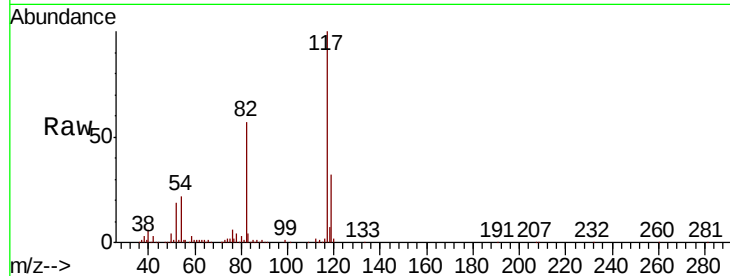




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

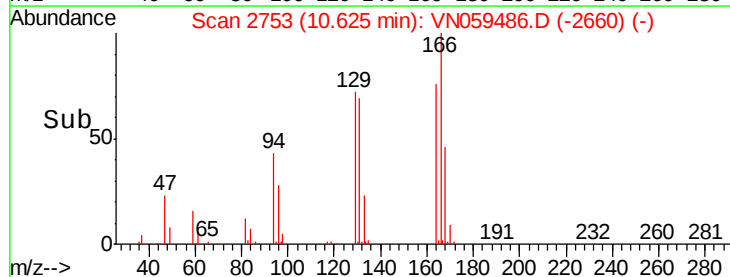
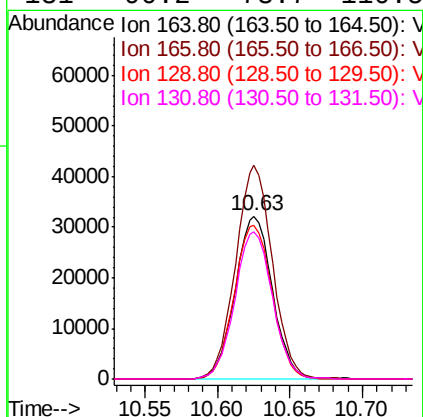
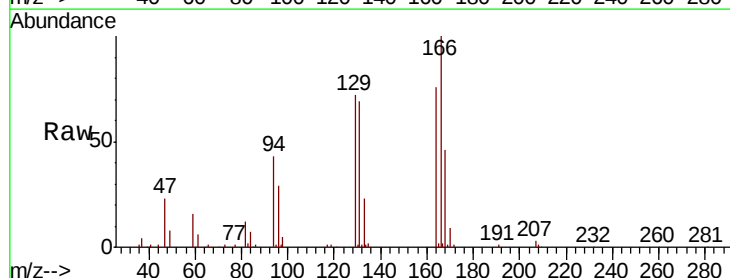
Instrument :
MSVOA_N
ClientSampled :

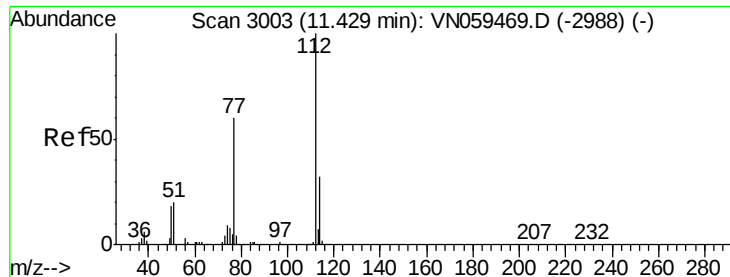
Tot Ion:117 Resp: 464583
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.8
119 31.8 25.4 38.0



#64
Tetrachloroethene
Concen: 14.559 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion:164 Resp: 57535
Ion Ratio Lower Upper
164 100
166 131.4 101.2 151.8
129 94.7 76.1 114.1
131 90.2 73.7 110.5

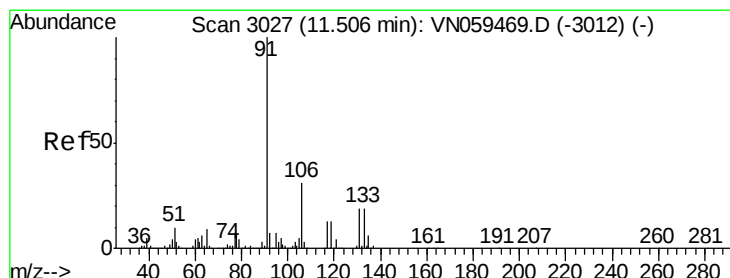
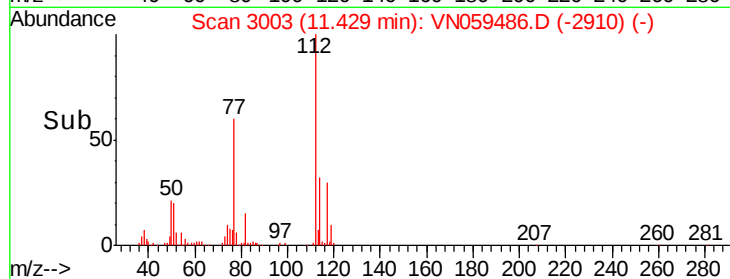
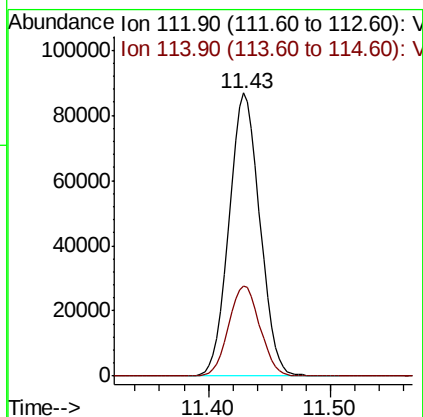
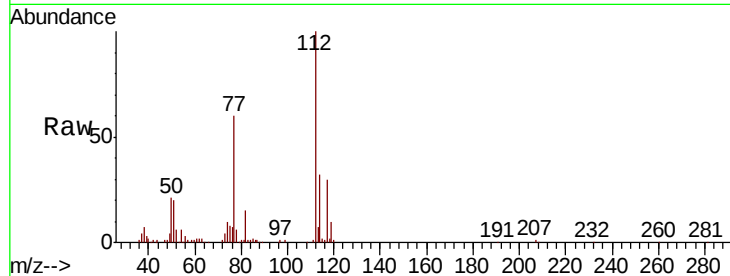




#65
Chlorobenzene
Concen: 15.046 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

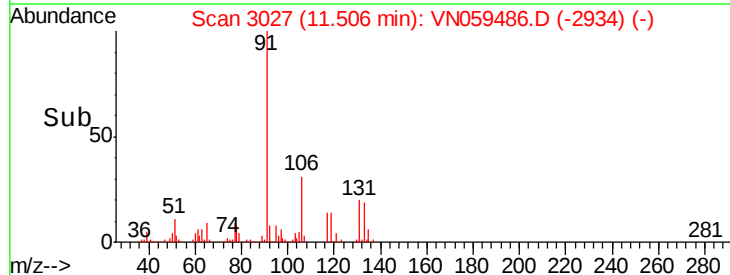
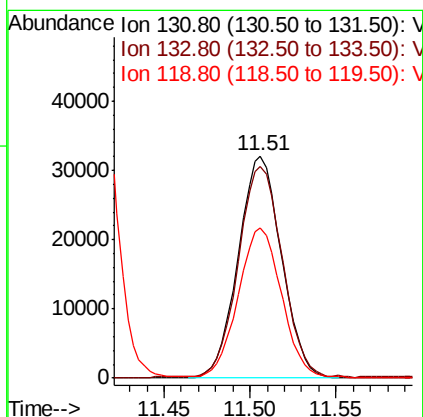
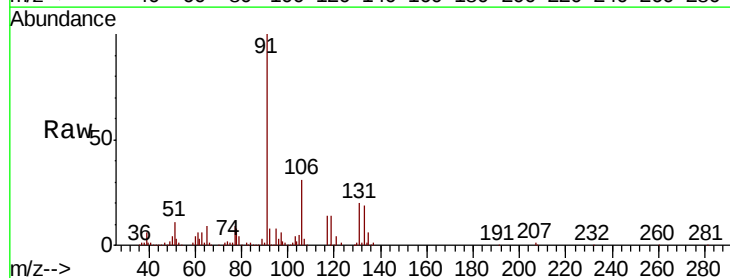
Instrument :
MSVOA_N
ClientSampleId :

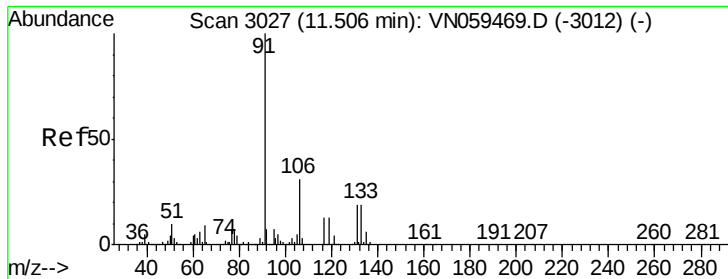
Tot Ion:112 Resp: 152809
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 15.294 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion:131 Resp: 55813
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 68.3 33.9 101.6





#67

Ethyl Benzene

Concen: 15.460 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

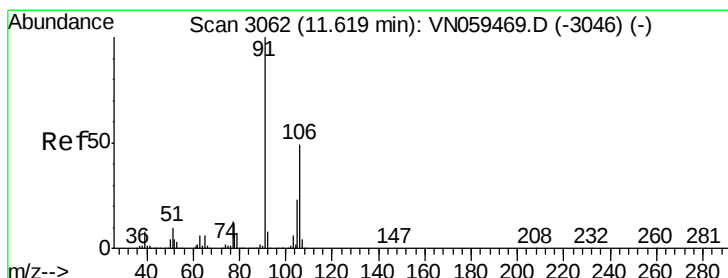
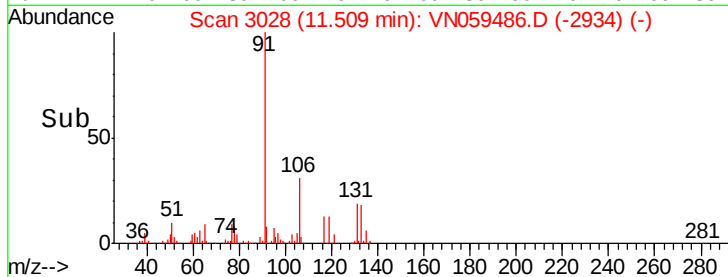
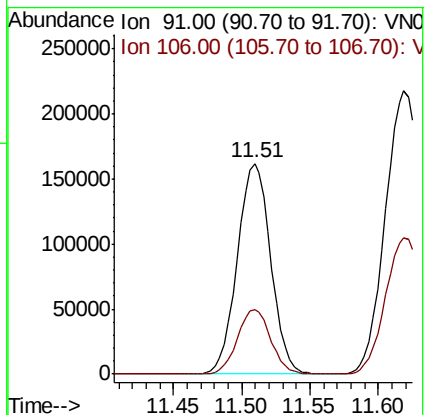
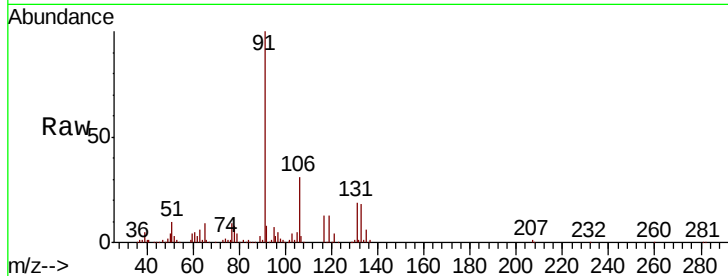
ClientSampled :

Tot Ion: 91 Resp: 275110

Ion Ratio Lower Upper

91 100

106 30.7 24.7 37.1



#68

m/p-Xylenes

Concen: 30.898 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059486.D

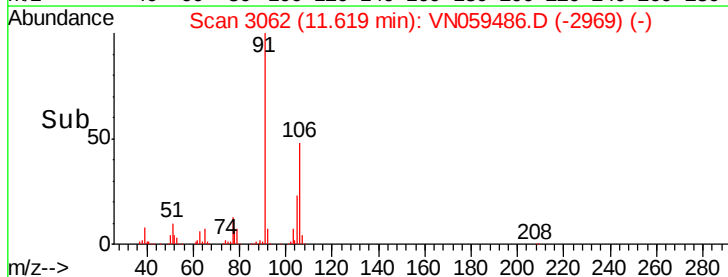
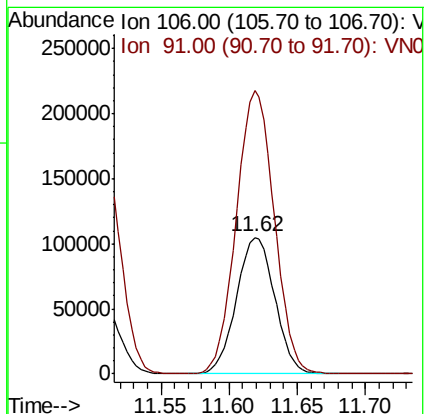
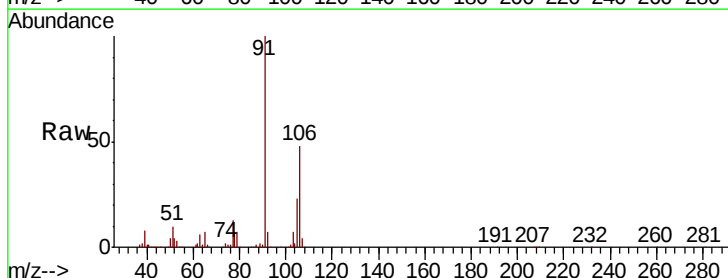
Acq: 4 Dec 2019 14:52

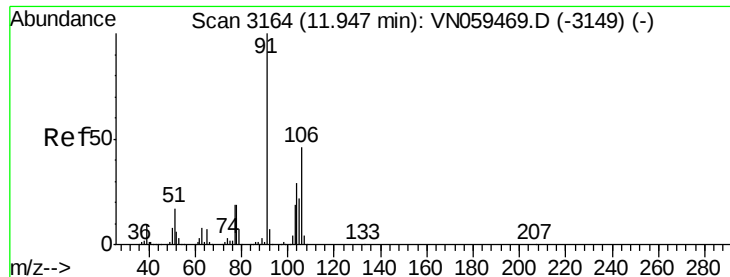
Tgt Ion: 106 Resp: 204726

Ion Ratio Lower Upper

106 100

91 205.2 162.2 243.4

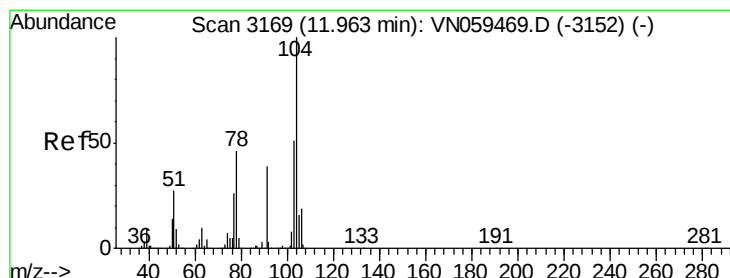
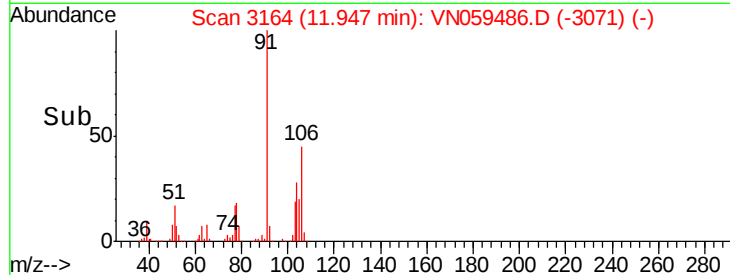
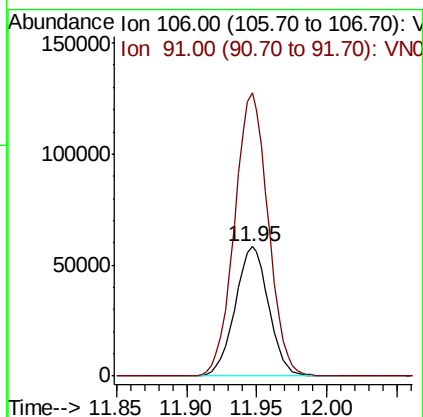
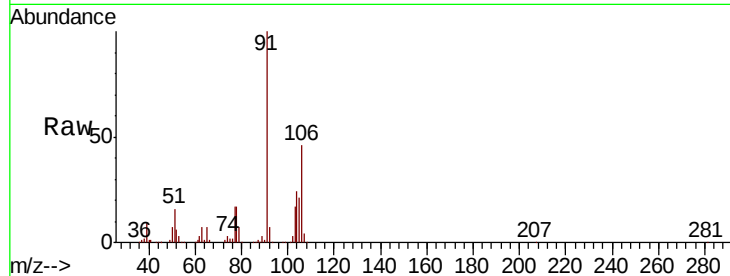




#69
o-Xylene
Concen: 15.392 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

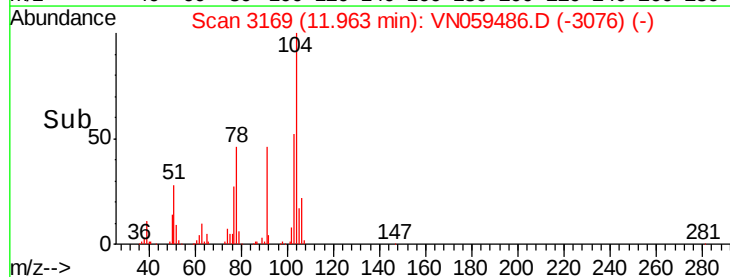
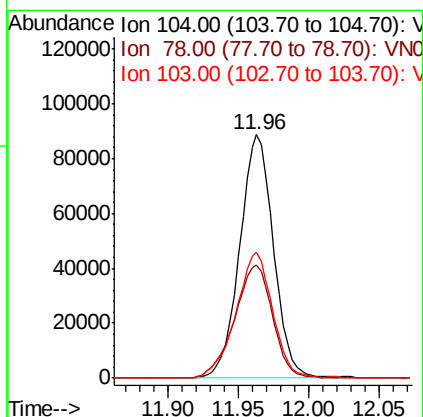
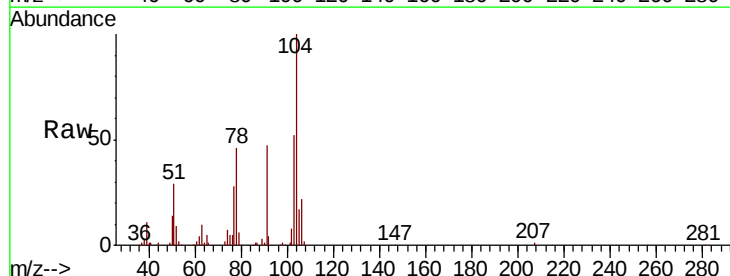
Instrument :
MSVOA_N
ClientSampled :

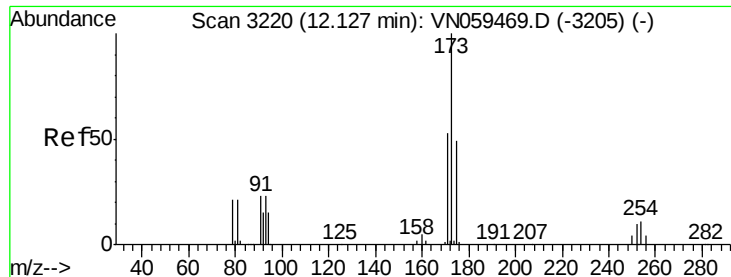
Tot Ion:106 Resp: 97093
Ion Ratio Lower Upper
106 100
91 220.1 108.5 325.3



#70
Styrene
Concen: 14.807 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion:104 Resp: 149102
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.4
103 56.0 44.7 67.1





#71

Bromoform

Concen: 14.635 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

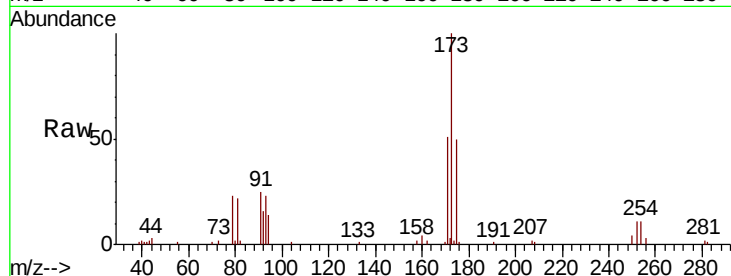
Tot Ion:173 Resp: 41629

Ion Ratio Lower Upper

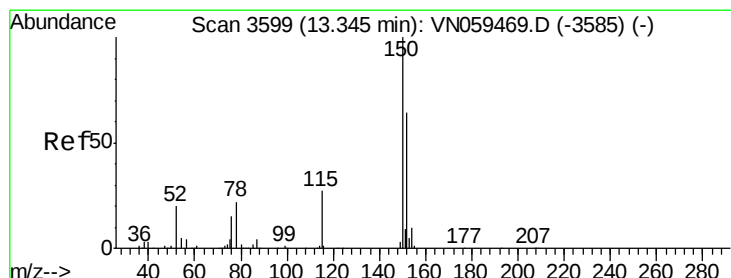
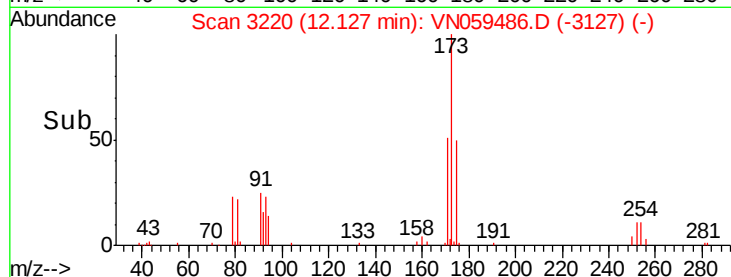
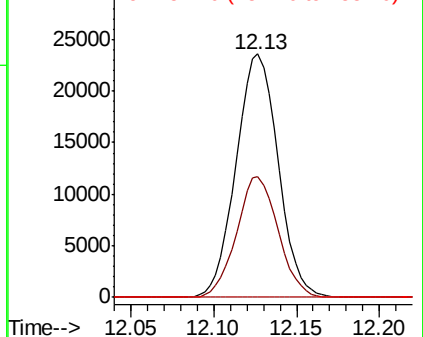
173 100

175 48.9 24.3 73.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

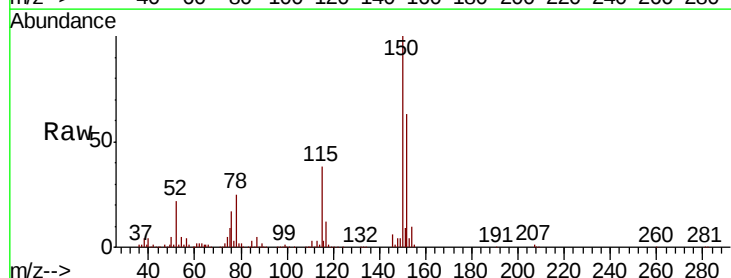
Tgt Ion:152 Resp: 209910

Ion Ratio Lower Upper

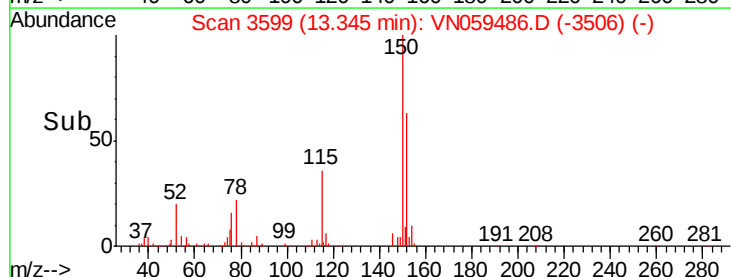
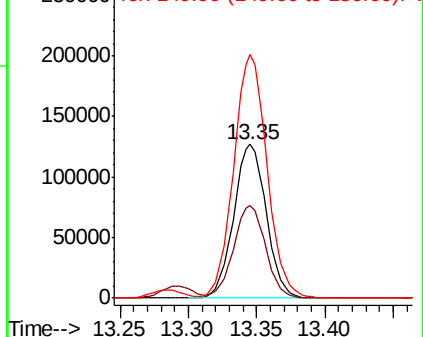
152 100

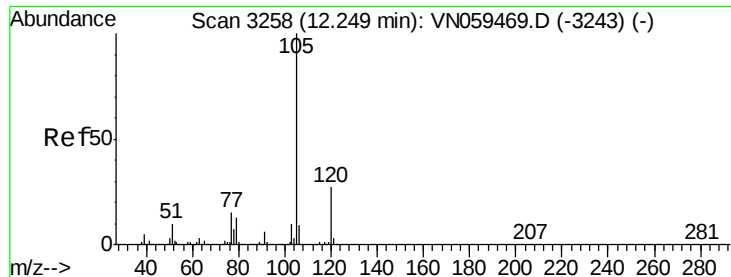
115 58.9 29.2 87.6

150 161.7 0.0 352.8



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





#73

Isopropylbenzene

Concen: 15.335 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

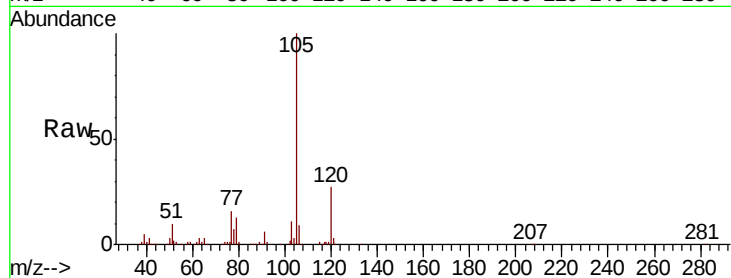
ClientSampleId :

Tot Ion: 105 Resp: 258145

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

150000

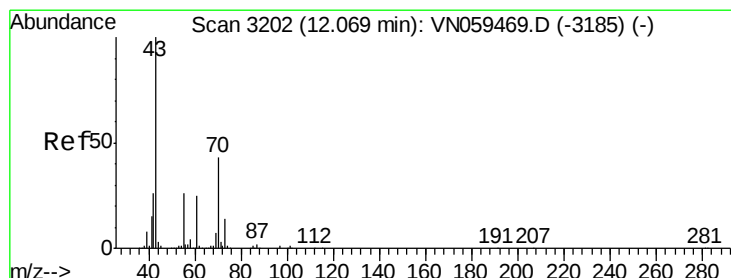
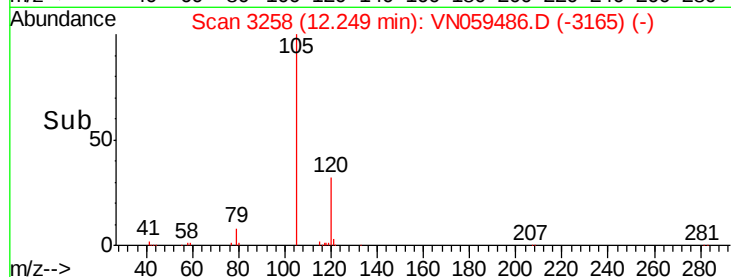
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 14.538 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Tgt Ion: 43 Resp: 98575

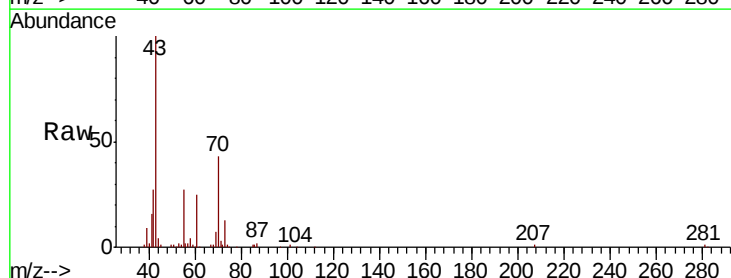
Ion Ratio Lower Upper

43 100

70 43.8 34.2 51.2

55 27.2 20.6 31.0

61 24.4 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

100000

80000

60000

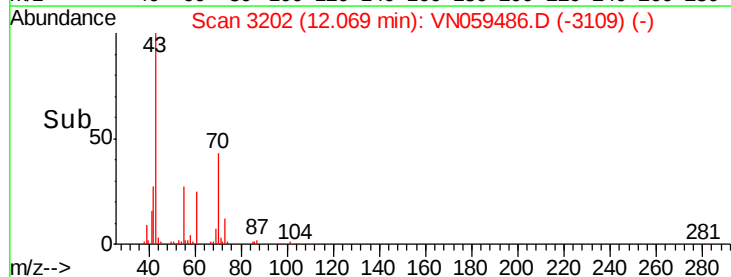
40000

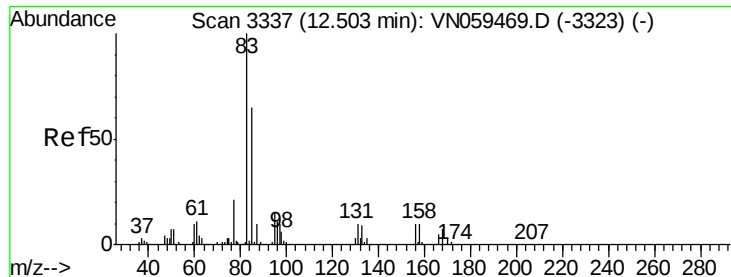
20000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 15.947 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

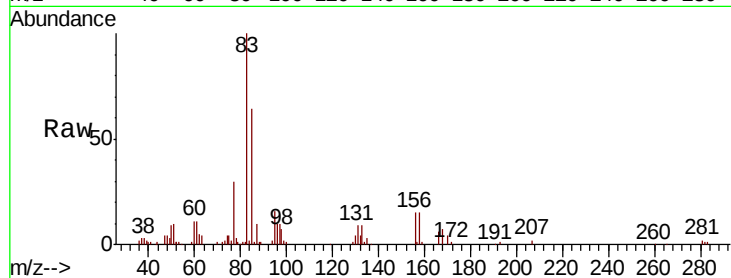
Tot Ion: 83 Resp: 86111

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

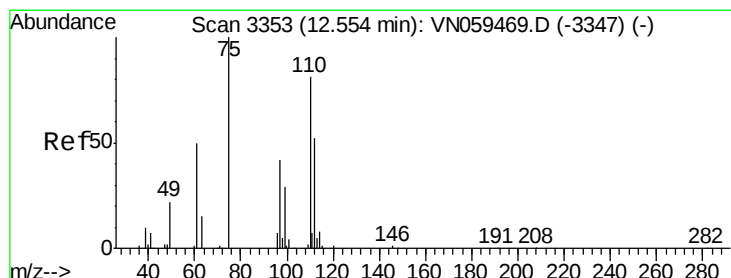
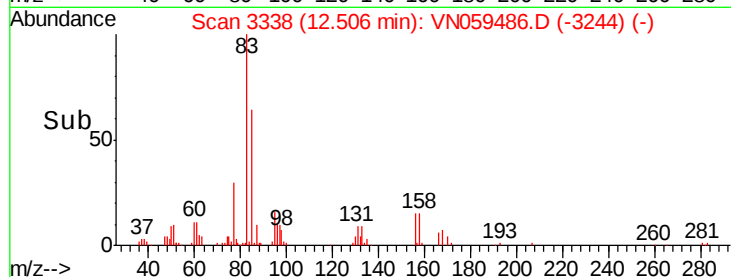
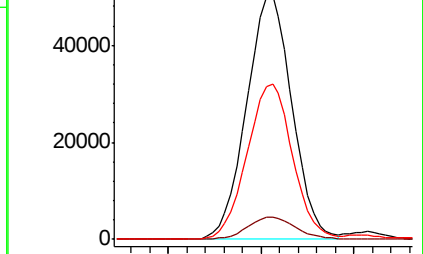
85 63.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN059486.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN059486.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN059486.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 21.984 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059486.D

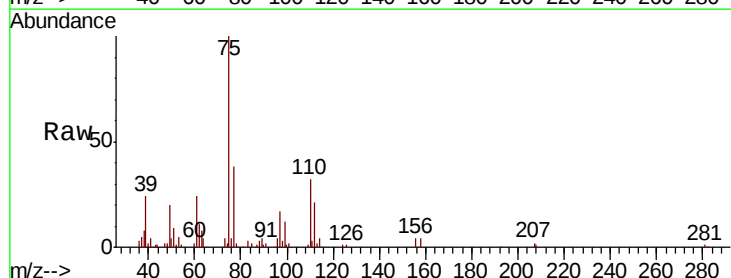
Acq: 4 Dec 2019 14:52

Tgt Ion: 75 Resp: 114738

Ion Ratio Lower Upper

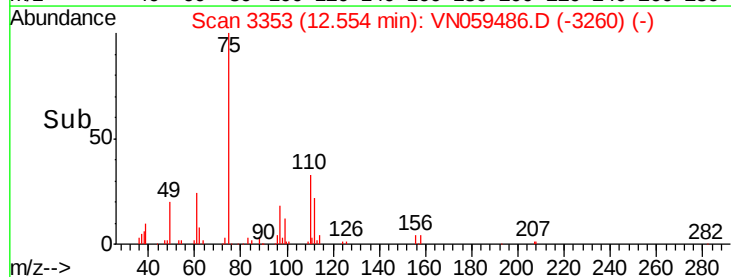
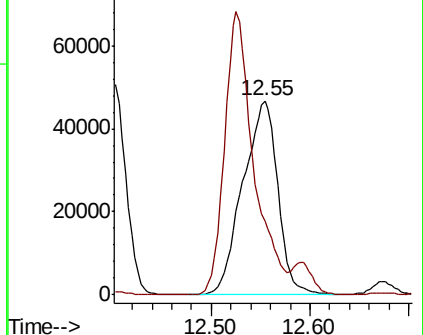
75 100

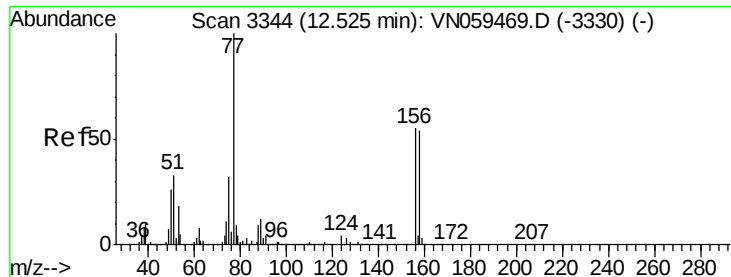
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059486.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059486.D (-3353) (-)





#77

Bromobenzene

Concen: 14.966 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

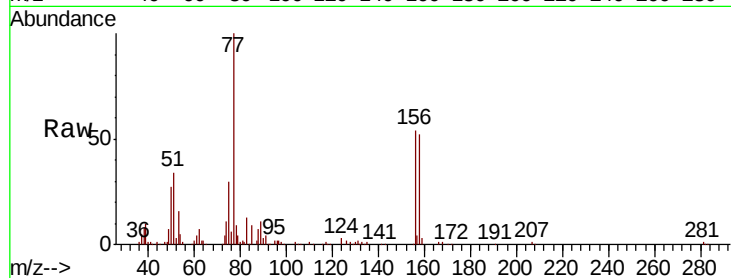
Tot Ion:156 Resp: 62956

Ion Ratio Lower Upper

156 100

77 224.1 110.3 331.0

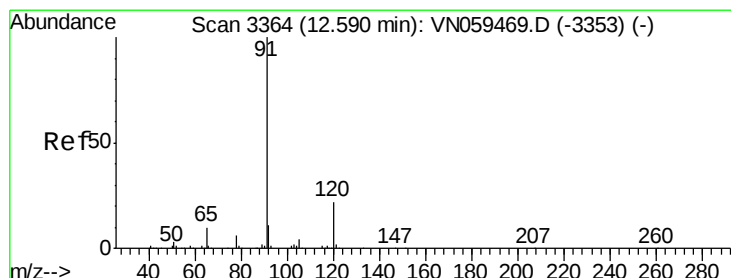
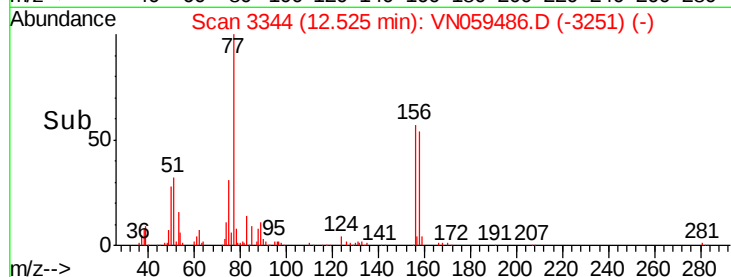
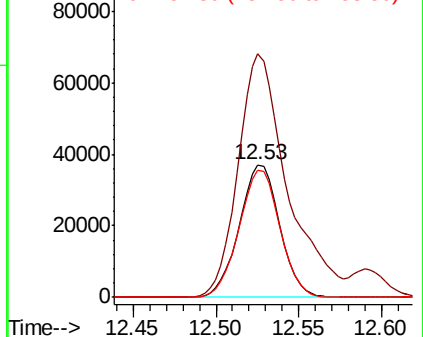
158 96.9 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 15.277 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059486.D

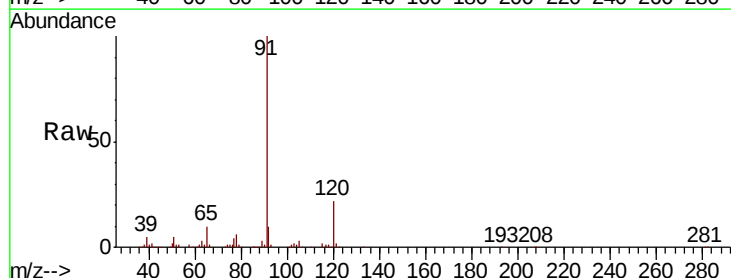
Acq: 4 Dec 2019 14:52

Tgt Ion: 91 Resp: 299284

Ion Ratio Lower Upper

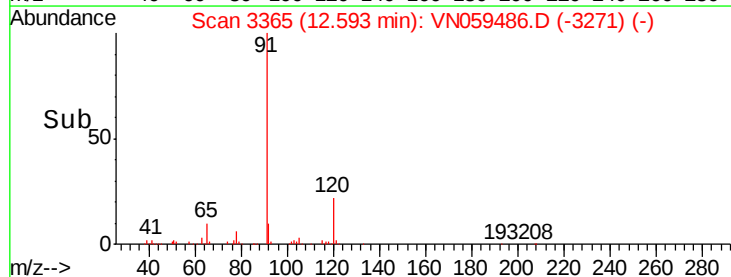
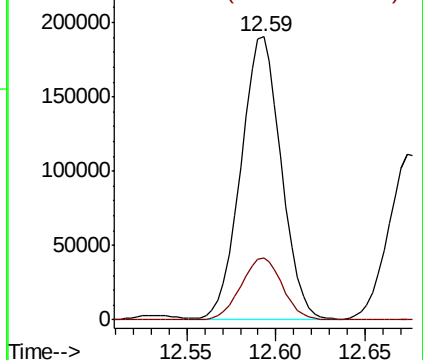
91 100

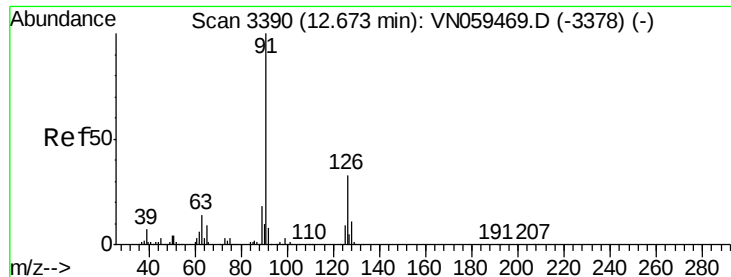
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 15.231 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

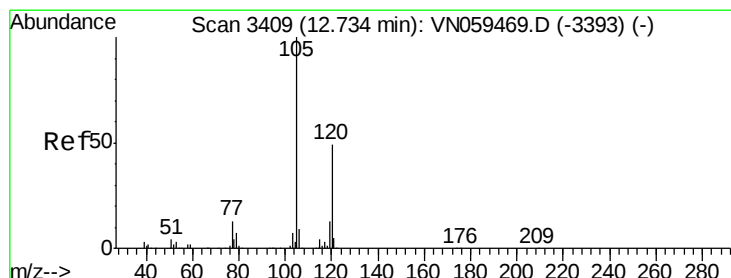
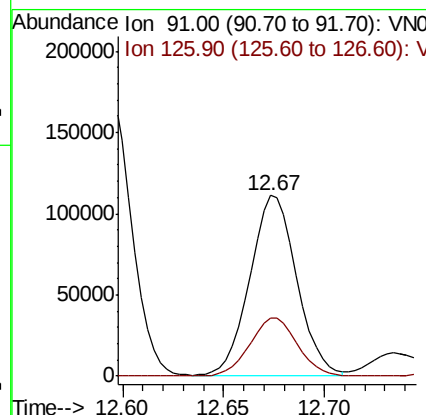
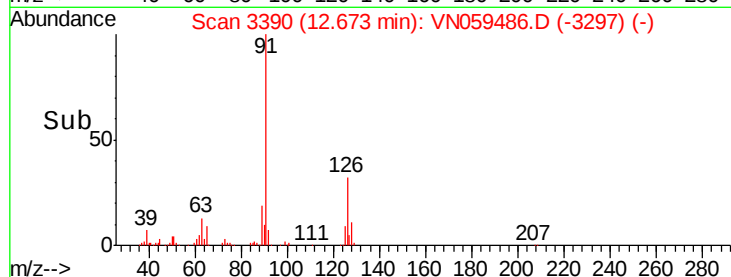
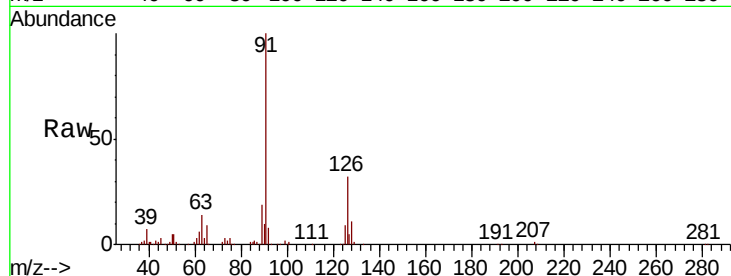
ClientSampleId :

Tot Ion: 91 Resp: 179865

Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 15.485 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059486.D

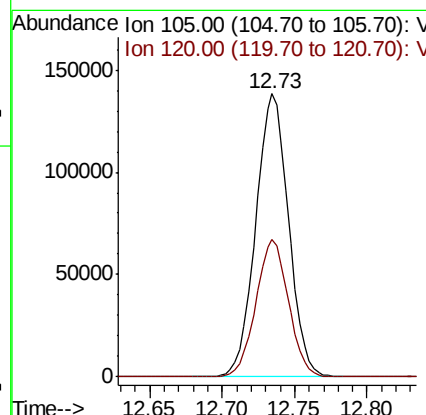
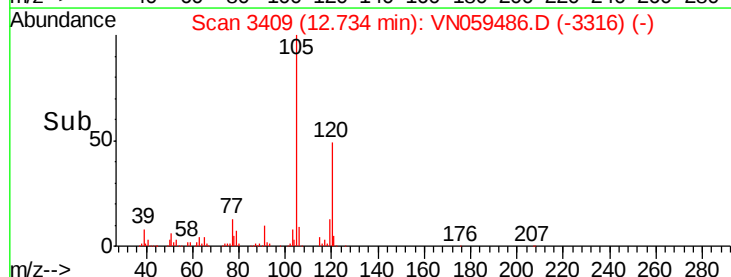
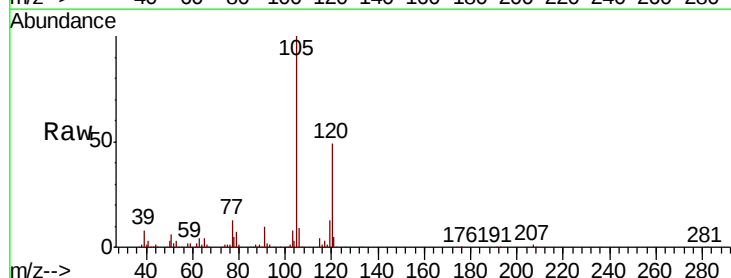
Acq: 4 Dec 2019 14:52

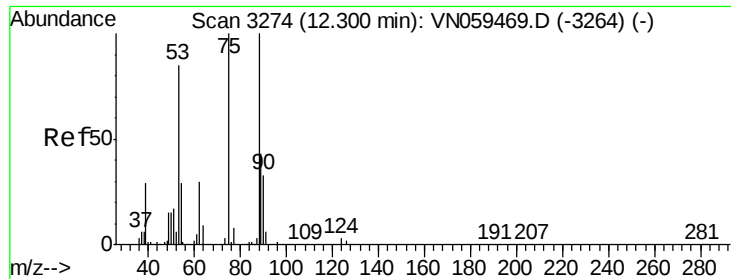
Tgt Ion: 105 Resp: 217845

Ion Ratio Lower Upper

105 100

120 48.2 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.308 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

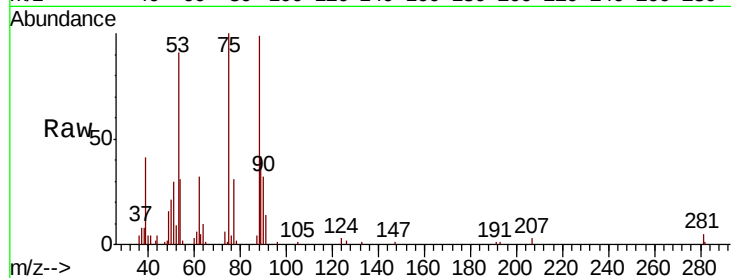
Tot Ion: 75 Resp: 30445

Ion	Ratio	Lower	Upper
75	100		
53	90.2	69.8	104.6
89	43.4	35.2	52.8

75 100

53 90.2 69.8 104.6

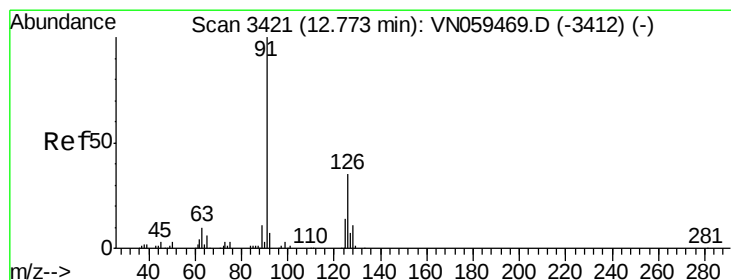
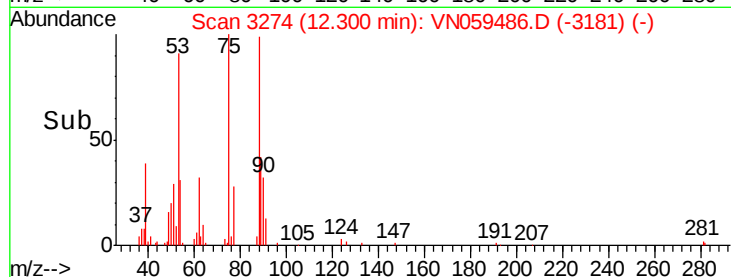
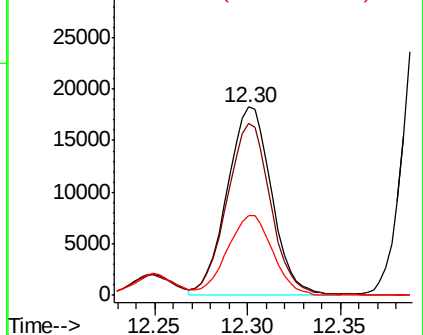
89 43.4 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 15.111 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059486.D

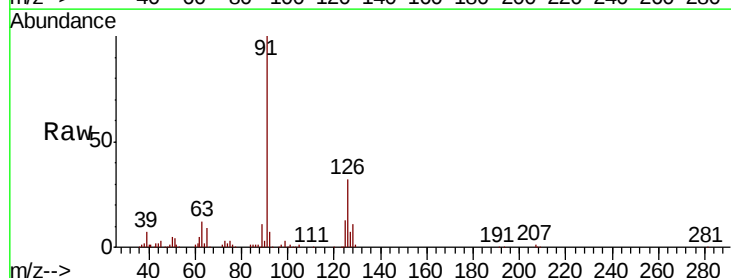
Acq: 4 Dec 2019 14:52

Tgt Ion: 91 Resp: 184119

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.2

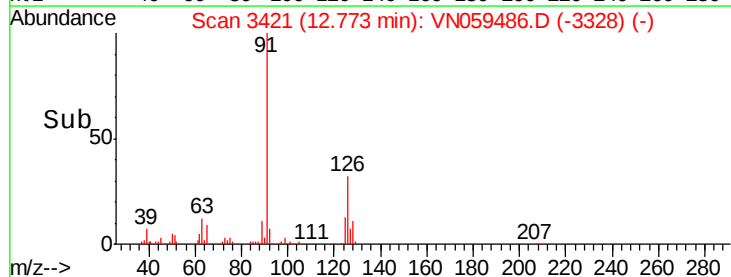
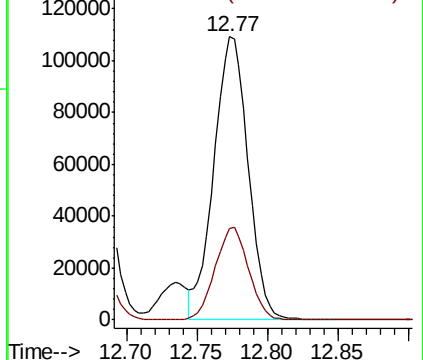
91 100

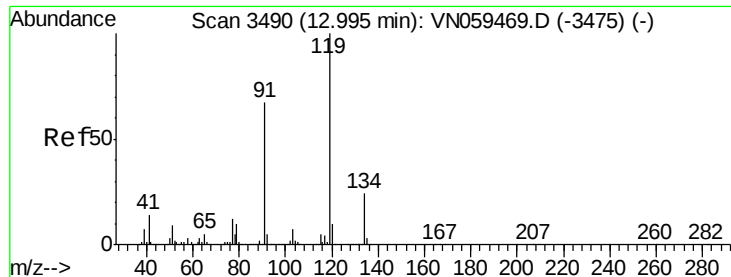
126 31.9 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

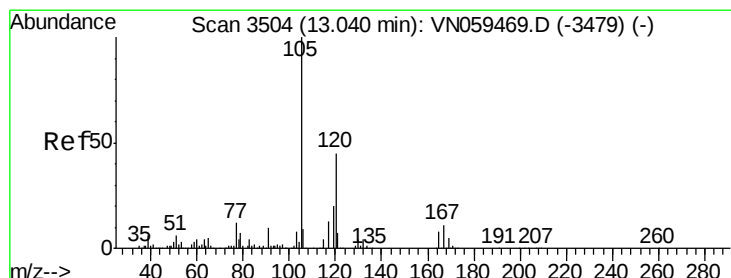
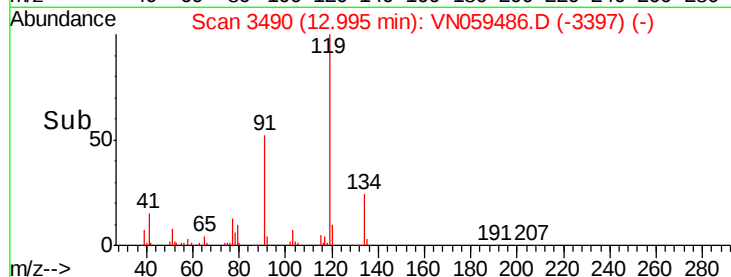
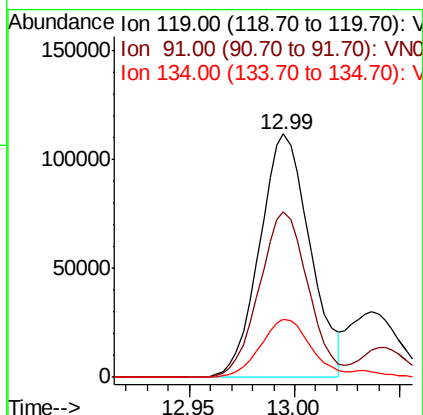
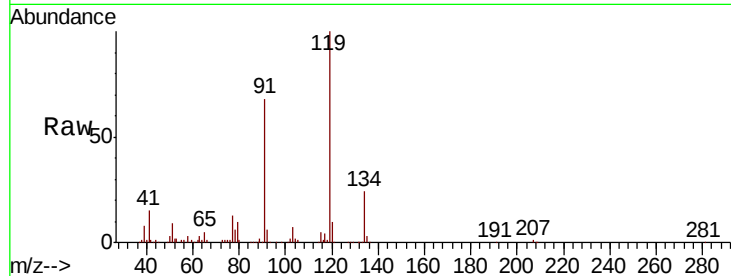




#83
 tert-Butylbenzene
 Concen: 15.180 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

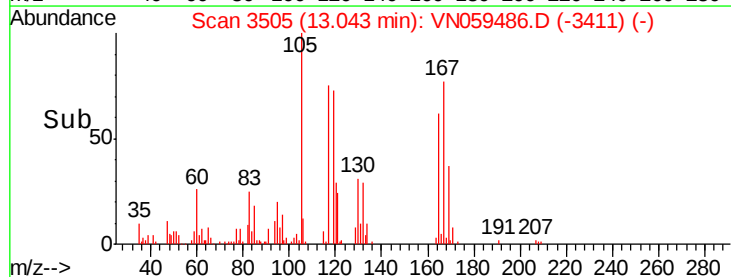
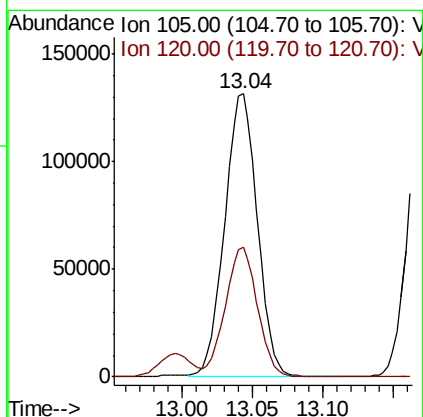
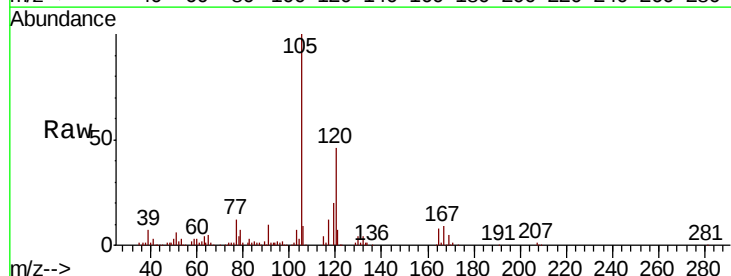
Instrument :
 MSVOA_N
 ClientSampled :

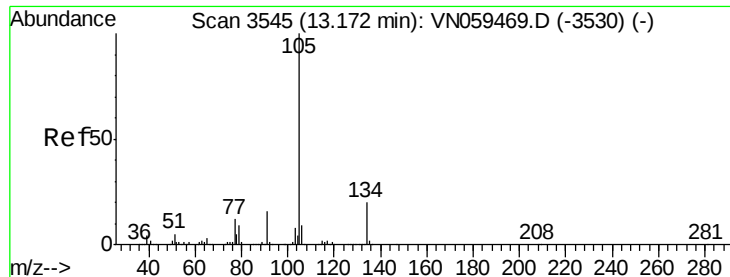
Tot Ion:119 Resp: 185401
 Ion Ratio Lower Upper
 119 100
 91 66.1 32.6 97.7
 134 25.6 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 15.421 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

Tgt Ion:105 Resp: 212016
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8





#85

sec-Butylbenzene

Concen: 15.189 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

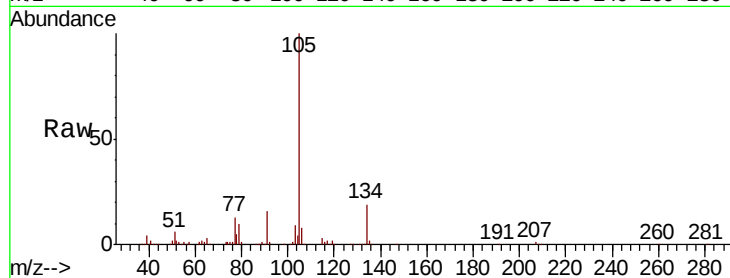
ClientSampled :

Tot Ion:105 Resp: 245866

Ion Ratio Lower Upper

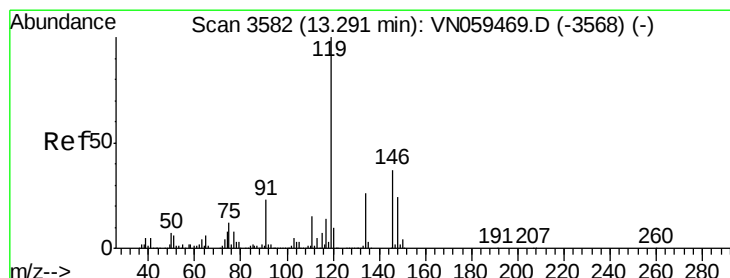
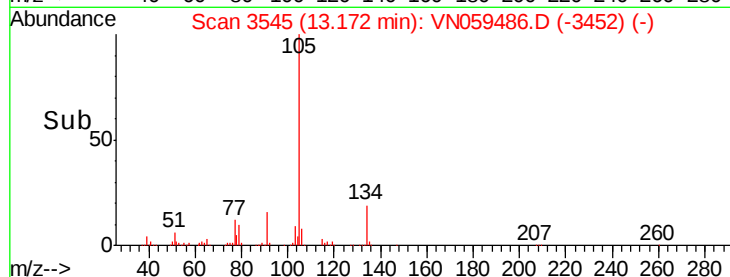
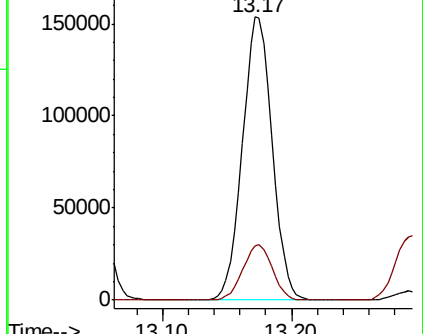
105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 14.993 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

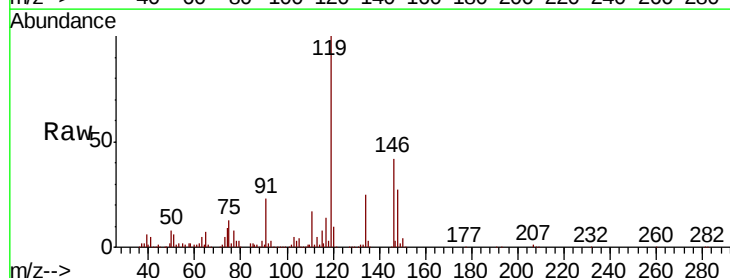
Tgt Ion:119 Resp: 217483

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

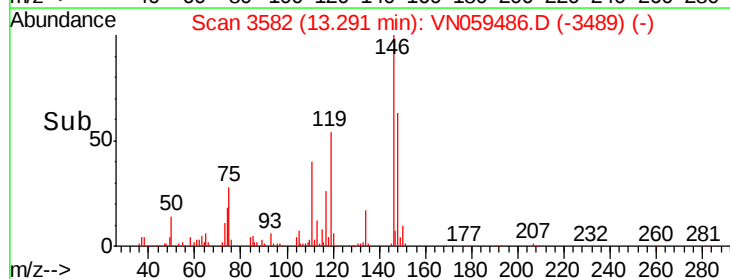
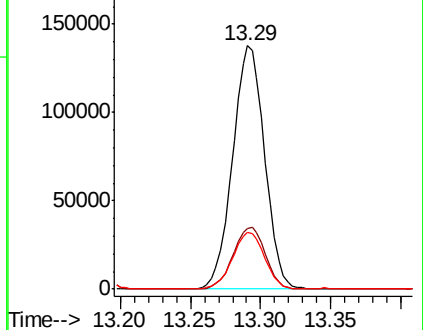
91 23.7 11.7 35.1

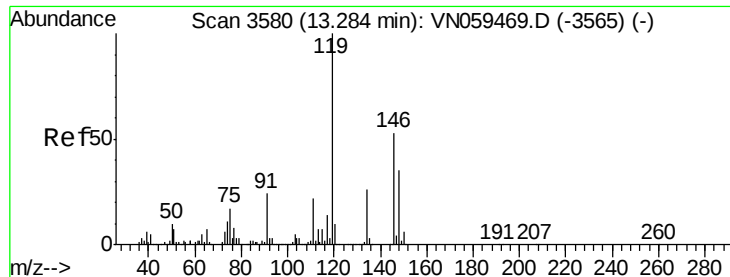


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

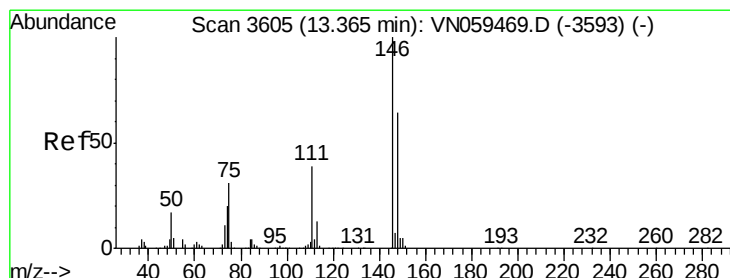
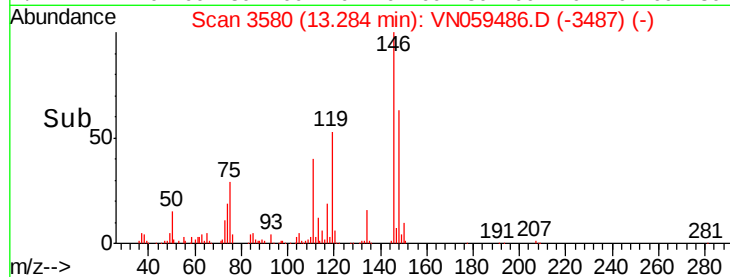
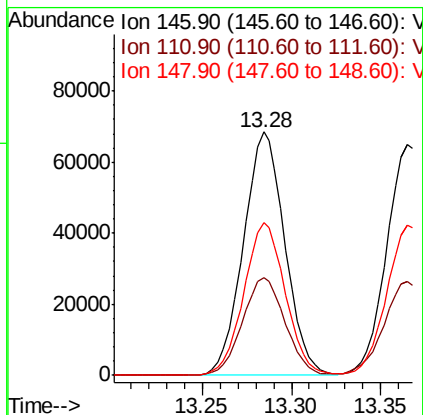
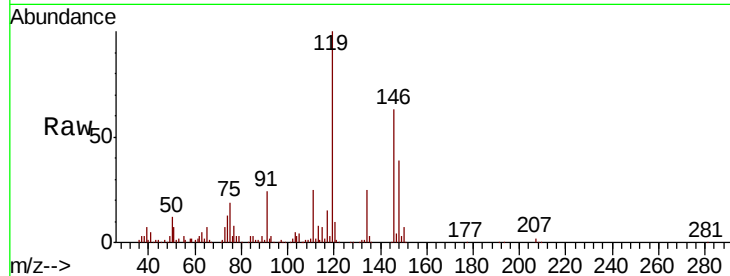




#87
 1,3-Dichlorobenzene
 Concen: 14.990 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

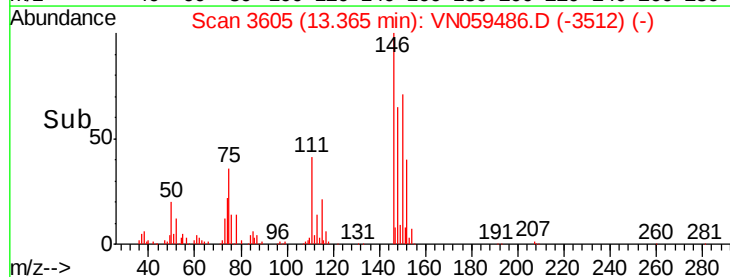
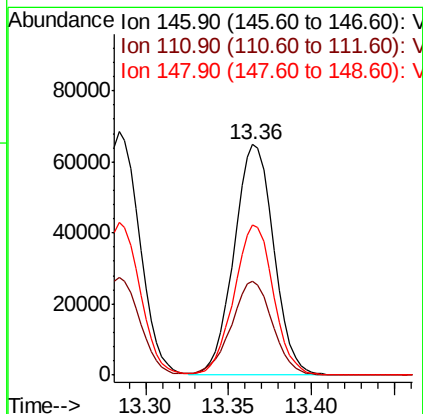
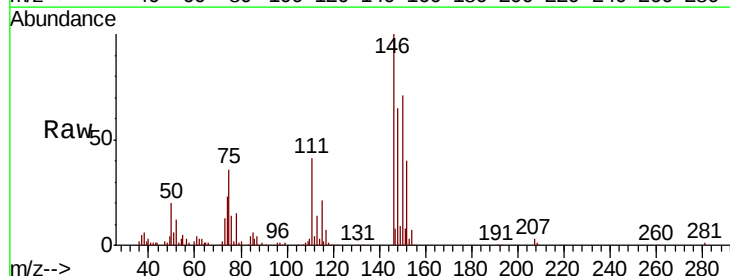
Instrument :
 MSVOA_N
 ClientSampled :

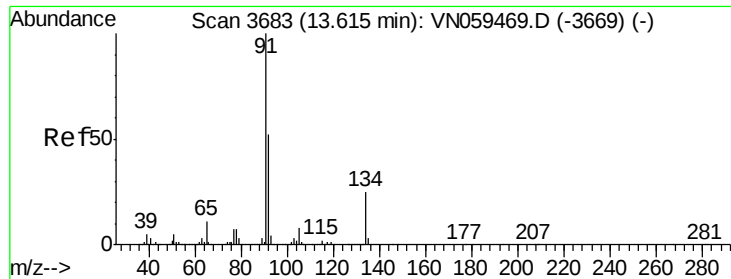
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	62.7	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 14.371 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.8	59.3
148	65.2	32.0	96.0





#89

n-Butylbenzene

Concen: 13.961 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059486.D

Acq: 4 Dec 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

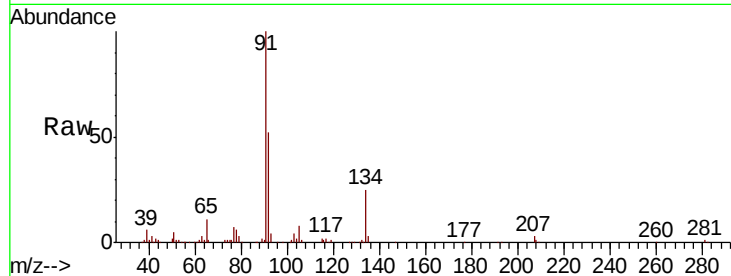
Tot Ion: 91 Resp: 181440

Ion Ratio Lower Upper

91 100

92 52.1 25.9 77.8

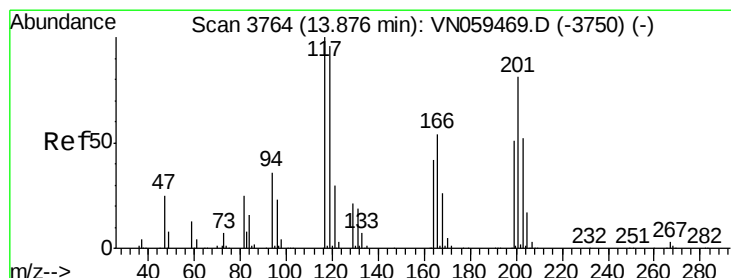
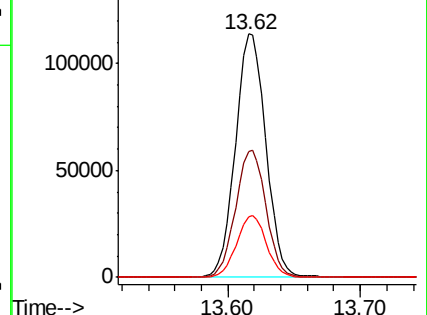
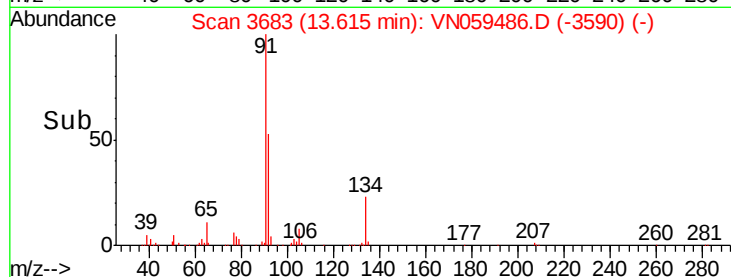
134 25.0 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VN059486.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059486.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059486.D (-3669) (-)



#90

Hexachloroethane

Concen: 15.232 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059486.D

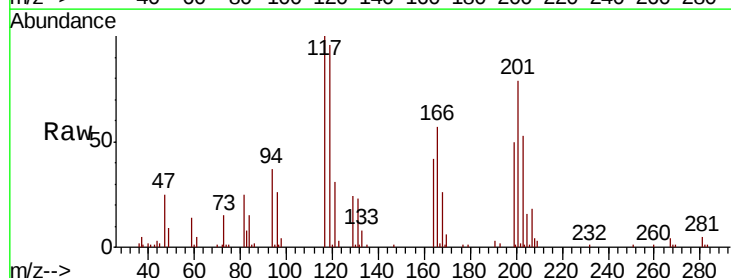
Acq: 4 Dec 2019 14:52

Tgt Ion: 117 Resp: 42614

Ion Ratio Lower Upper

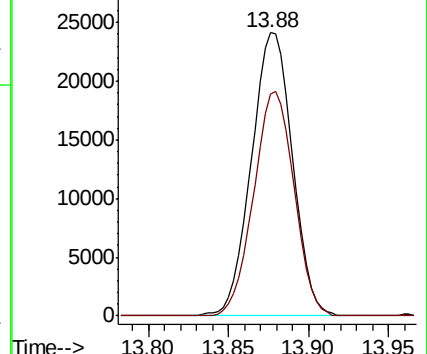
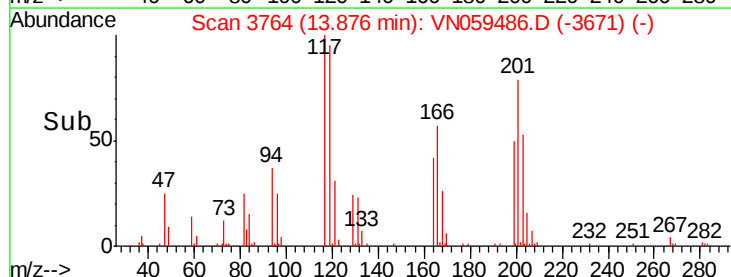
117 100

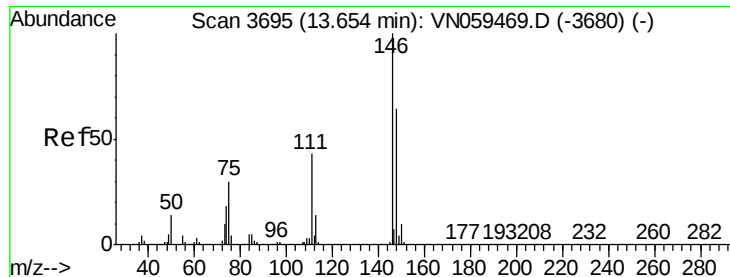
201 78.0 40.6 122.0



Abundance Ion 116.80 (116.50 to 117.50): VN059486.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059486.D (-3750) (-)

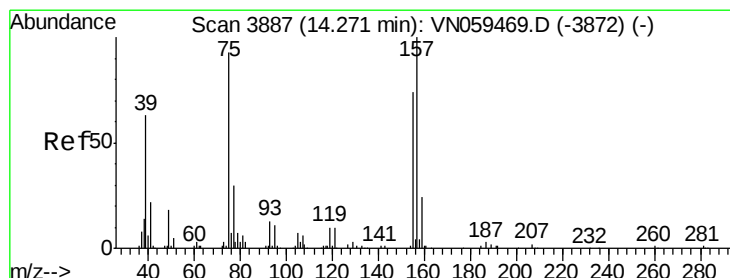
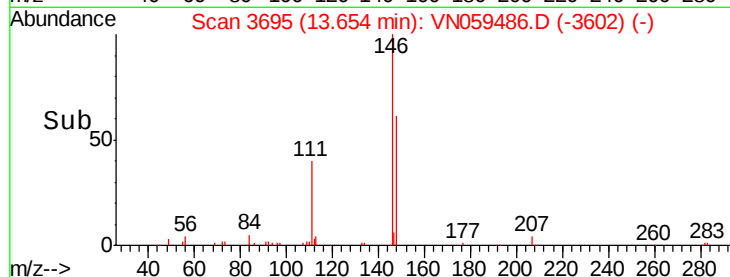
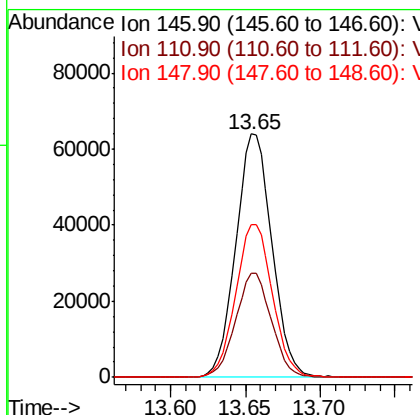
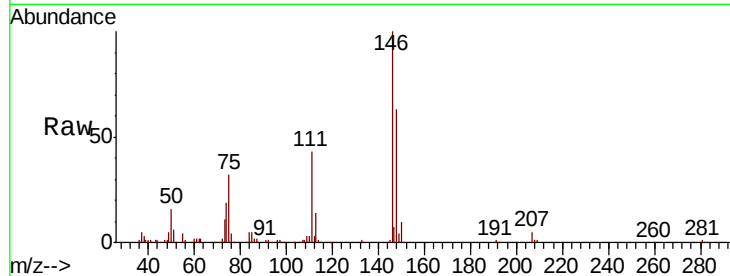




#91
 1,2-Dichlorobenzene
 Concen: 15.161 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

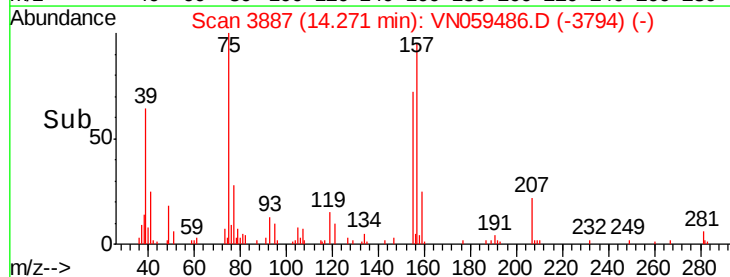
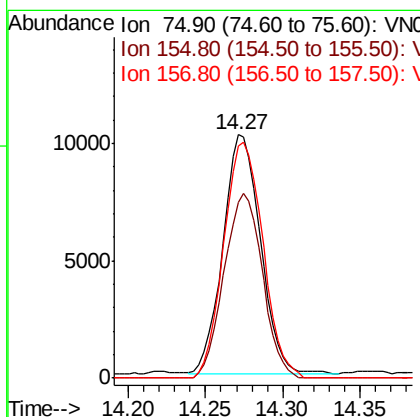
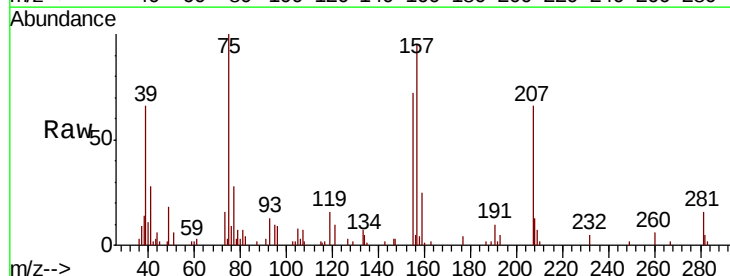
Instrument :
 MSVOA_N
 ClientSampleId :

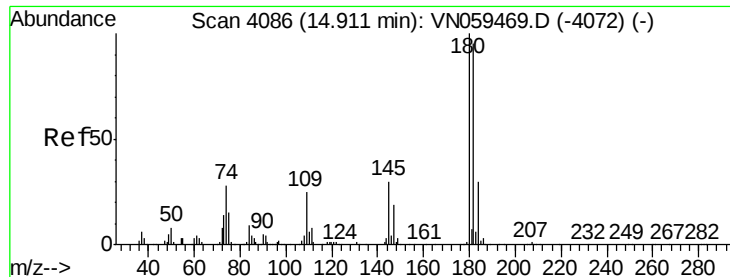
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	63.7	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.318 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	40.6	122.0
157	103.1	52.9	158.7

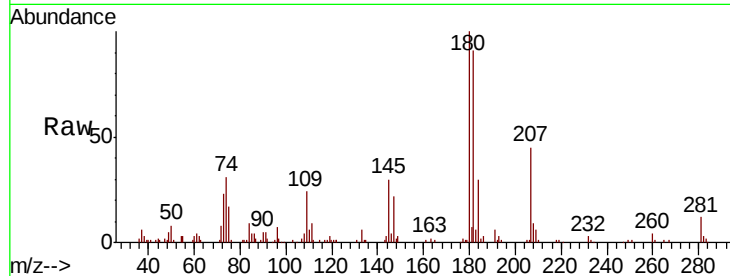




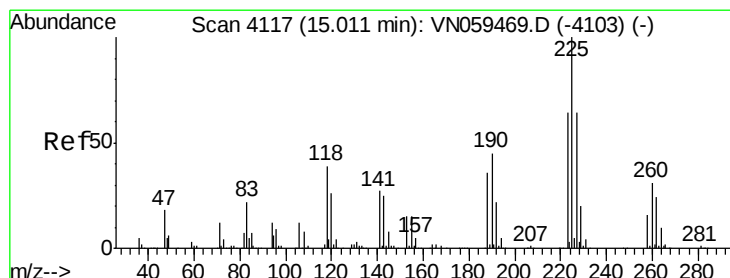
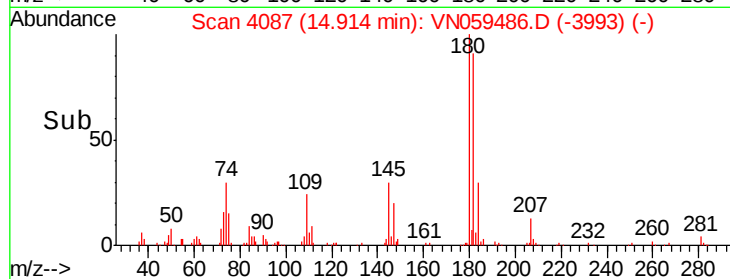
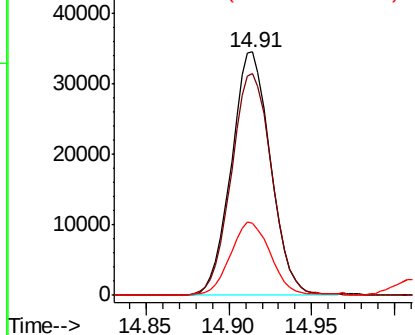
#93
 1,2,4-Trichlorobenzene
 Concen: 13.101 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 56866
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.0 144.2
 145 31.0 15.2 45.6

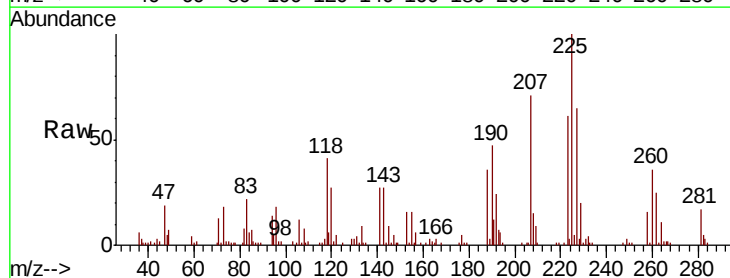


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

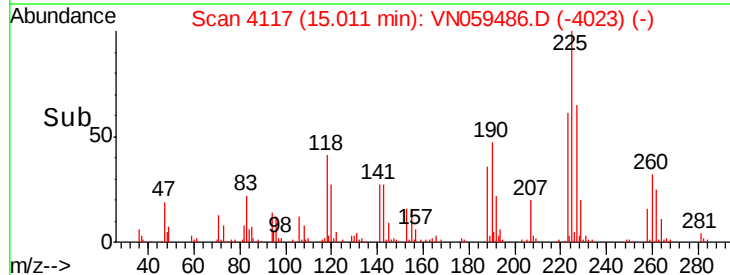
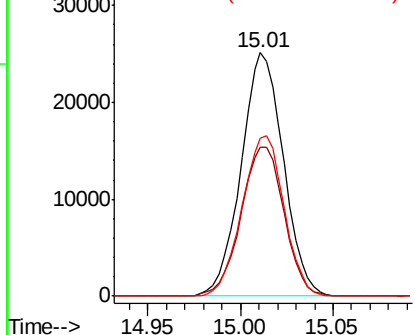


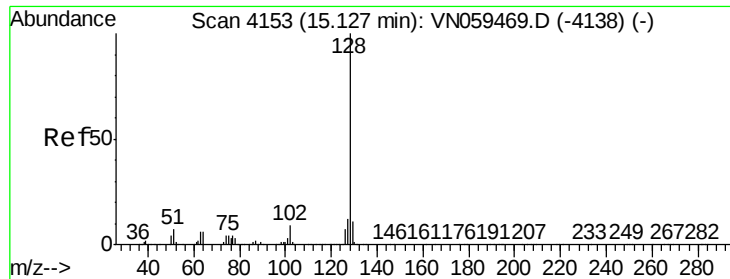
#94
 Hexachlorobutadiene
 Concen: 15.226 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059486.D
 Acq: 4 Dec 2019 14:52

Tgt Ion:225 Resp: 39759
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.9 95.5
 227 65.5 32.0 96.2



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

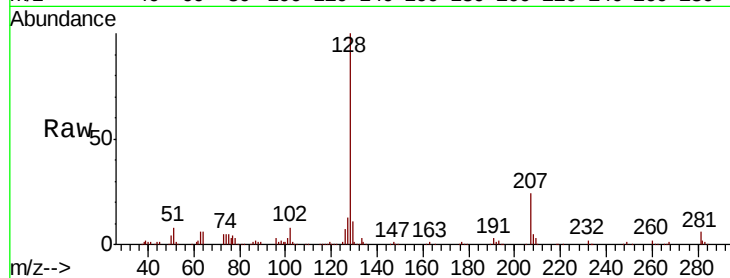




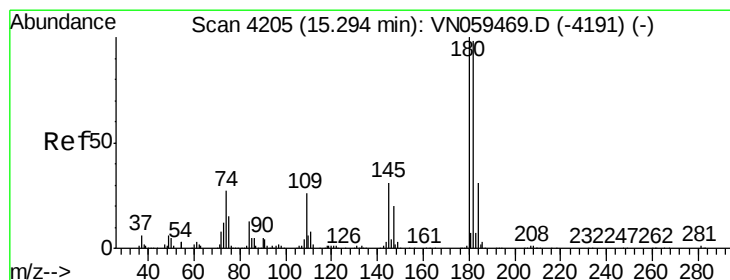
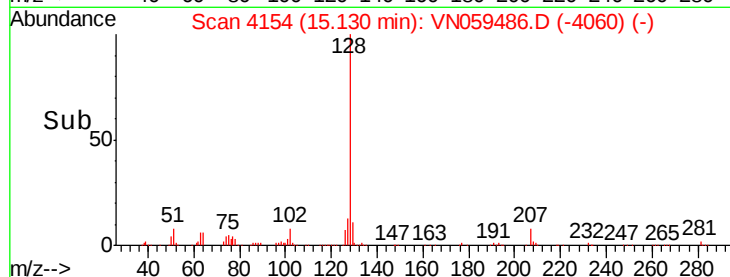
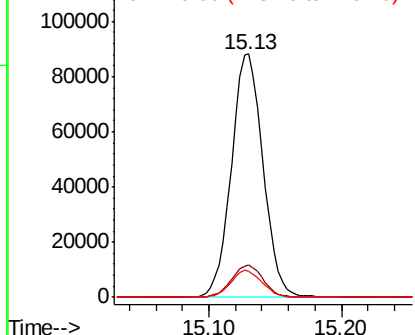
#95
Naphthalene
Concen: 14.075 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 146398
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.2 8.8 13.2

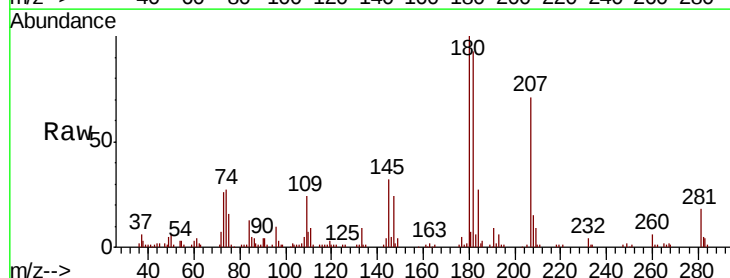


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 15.009 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059486.D
Acq: 4 Dec 2019 14:52

Tgt Ion:180 Resp: 59205
Ion Ratio Lower Upper
180 100
182 94.6 48.5 145.5
145 32.6 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

