

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059649.D
 Acq On : 18 Dec 2019 14:53
 Operator : JC/SP
 Sample : VN1218WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 04:27:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	215983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	344349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	117195	37.29	ug/l	0.00
Spiked Amount						
			Recovery	=	74.58%	
35) Dibromofluoromethane	7.56	113	80410	37.32	ug/l	0.00
Spiked Amount						
			Recovery	=	74.64%	
50) Toluene-d8	10.08	98	317742	37.25	ug/l	0.00
Spiked Amount						
			Recovery	=	74.50%	
62) 4-Bromofluorobenzene	12.40	95	111070	35.68	ug/l	0.00
Spiked Amount						
			Recovery	=	71.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	35585	12.750	ug/l	99
3) Chloromethane	2.04	50	63465	14.330	ug/l	98
4) Vinyl Chloride	2.17	62	61697	14.690	ug/l	99
5) Bromomethane	2.54	94	36798	15.071	ug/l	96
6) Chloroethane	2.68	64	35981	15.243	ug/l	97
7) Trichlorofluoromethane	3.00	101	70364	15.269	ug/l	99
8) Diethyl Ether	3.39	74	21224	14.741	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	33531	14.439	ug/l	99
10) Methyl Iodide	3.93	142	42572	13.848	ug/l	99
11) Tert butyl alcohol	4.75	59	38173	66.251	ug/l	100
12) 1,1-Dichloroethene	3.71	96	30834	13.611	ug/l	97
13) Acrolein	3.58	56	23160	56.427	ug/l	96
14) Allyl chloride	4.29	41	64627	13.897	ug/l	96
15) Acrylonitrile	4.95	53	100295	71.962	ug/l	99
16) Acetone	3.79	43	120711	64.691	ug/l	98
17) Carbon Disulfide	4.02	76	102143	13.911	ug/l	99
18) Methyl Acetate	4.29	43	53843	13.771	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	111142	13.895	ug/l	97
20) Methylene Chloride	4.52	84	40883	15.171	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	35422	14.026	ug/l	95
22) Diisopropyl ether	5.91	45	127086	14.823	ug/l	90
23) Vinyl Acetate	5.86	43	522907	77.718	ug/l	99
24) 1,1-Dichloroethane	5.81	63	72956	15.022	ug/l	99
25) 2-Butanone	6.80	43	148538	66.570	ug/l	98
26) 2,2-Dichloropropane	6.80	77	64483	14.609	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	40550	14.490	ug/l	97
28) Bromochloromethane	7.17	49	25830	13.008	ug/l	97
29) Tetrahydrofuran	7.18	42	94194	69.285	ug/l	97
30) Chloroform	7.35	83	70256	14.696	ug/l	98
31) Cyclohexane	7.63	56	65598	14.295	ug/l	# 93
32) 1,1,1-Trichloroethane	7.54	97	61567	14.285	ug/l	99
36) 1,1-Dichloropropene	7.77	75	52954	14.746	ug/l	97
37) Ethyl Acetate	6.90	43	58658	14.054	ug/l	99
38) Carbon Tetrachloride	7.75	117	52052	13.969	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	57894	14.213	ug/l	98
40) Benzene	8.02	78	154793	14.750	ug/l	97
41) Methacrylonitrile	7.18	41	85795	49.808	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	61495	15.301	ug/l	100
43) Isopropyl Acetate	8.14	43	90831	13.998	ug/l	100
44) Trichloroethene	8.82	130	39970	14.541	ug/l	99
45) 1,2-Dichloropropane	9.10	63	41917	14.791	ug/l	98
46) Dibromomethane	9.19	93	26904	14.491	ug/l	99
47) Bromodichloromethane	9.39	83	54797	14.803	ug/l	100
48) Methyl methacrylate	9.18	41	39141	13.295	ug/l	99
49) 1,4-Dioxane	9.18	88	11975	283.831	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	279352	72.204	ug/l	99
52) Toluene	10.14	92	91057	14.121	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	60765	14.194	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	64708	14.379	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	38415	15.182	ug/l	97
56) Ethyl methacrylate	10.42	69	51080	13.598	ug/l	99
57) 1,3-Dichloropropane	10.70	76	65045	14.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	59950	50.182	ug/l	98
59) 2-Hexanone	10.74	43	206188	67.619	ug/l	100
60) Dibromochloromethane	10.89	129	39145	14.175	ug/l	97
61) 1,2-Dibromoethane	11.00	107	37809	14.090	ug/l	100
64) Tetrachloroethene	10.62	164	38550	13.154	ug/l	97
65) Chlorobenzene	11.43	112	99252	14.591	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	36947	14.300	ug/l	98
67) Ethyl Benzene	11.50	91	174653	14.224	ug/l	100
68) m/p-Xylenes	11.62	106	128418	28.323	ug/l	100
69) o-Xylene	11.94	106	61742	14.311	ug/l	97
70) Styrene	11.96	104	94350	13.612	ug/l	99
71) Bromoform	12.12	173	26950	13.876	ug/l #	98
73) Isopropylbenzene	12.25	105	161086	14.282	ug/l	100
74) N-amyl acetate	12.07	43	68716	13.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	53319	14.902	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	76341	21.463	ug/l #	100
77) Bromobenzene	12.52	156	39063	14.083	ug/l	98
78) n-propylbenzene	12.59	91	192331	14.425	ug/l	99
79) 2-Chlorotoluene	12.67	91	114292	14.176	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	137279	14.382	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19031	13.215	ug/l	94
82) 4-Chlorotoluene	12.77	91	116844	14.155	ug/l	100
83) tert-Butylbenzene	12.99	119	115123	14.242	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	136866	14.421	ug/l	99
85) sec-Butylbenzene	13.17	105	154532	14.372	ug/l	99
86) p-Isopropyltoluene	13.28	119	140177	14.394	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	70831	13.887	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	70571	13.723	ug/l	99
89) n-Butylbenzene	13.61	91	125151	13.707	ug/l	99
90) Hexachloroethane	13.87	117	27003	14.669	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	69215	13.760	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12871	14.032	ug/l	89

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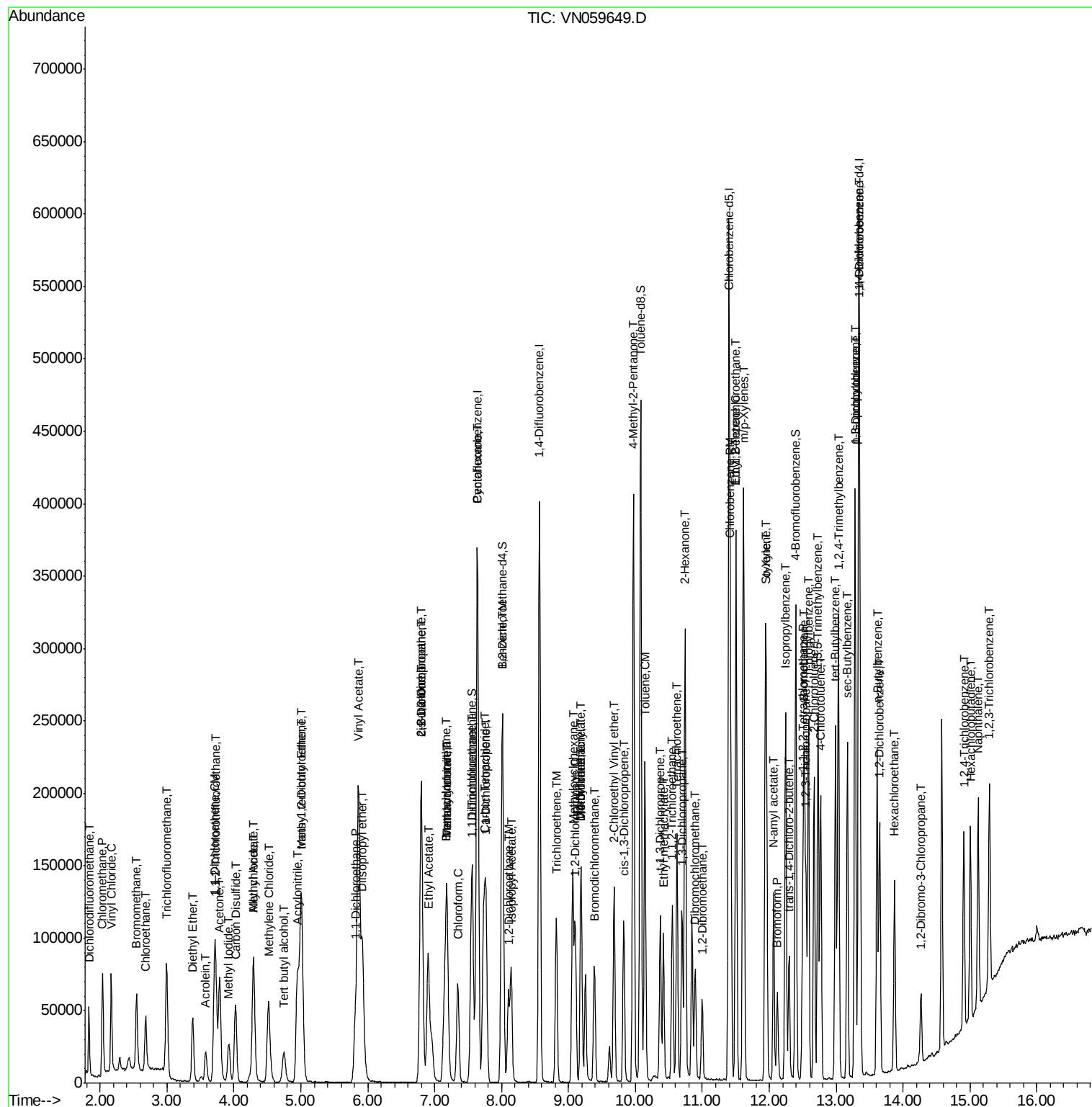
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40295	12.405	ug/l	97
94) Hexachlorobutadiene	15.00	225	24583	15.062	ug/l	98
95) Naphthalene	15.12	128	115339	11.895	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	40968	12.470	ug/l	99

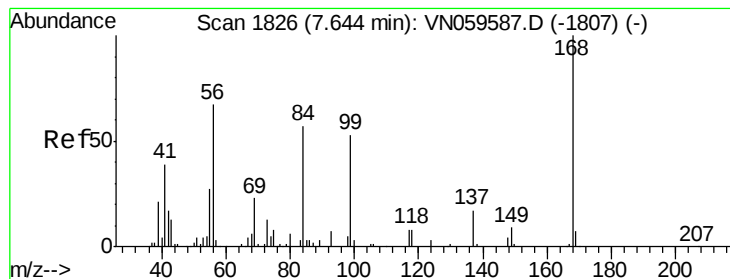
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

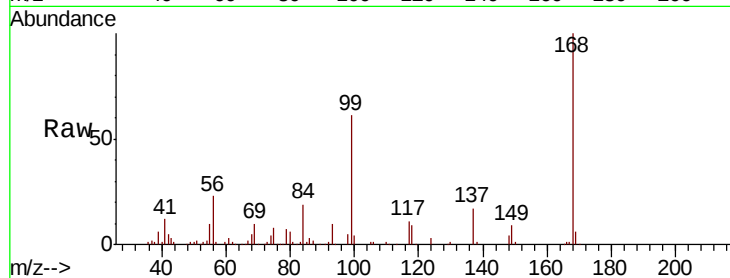
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 215983

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

40000

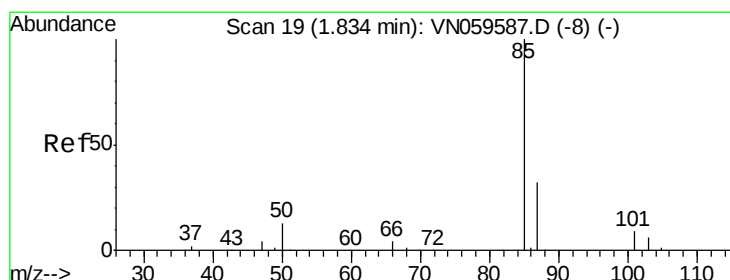
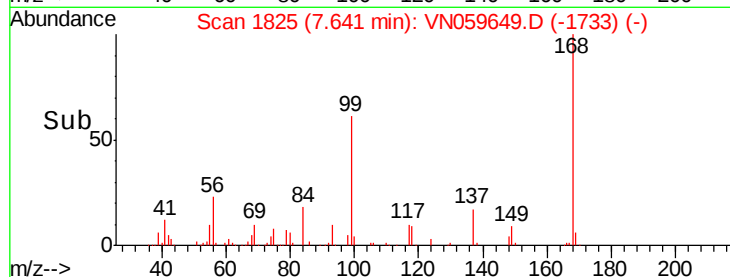
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 12.750 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059649.D

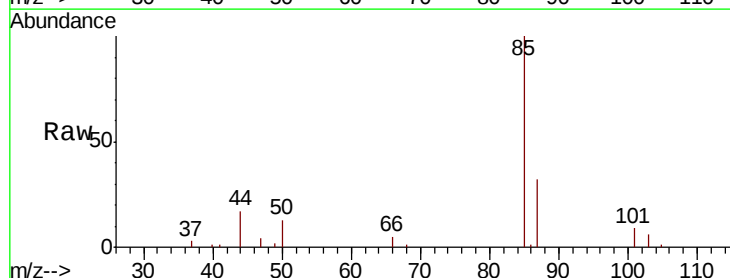
Acq: 18 Dec 2019 14:53

Tgt Ion: 85 Resp: 35585

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

10000

5000

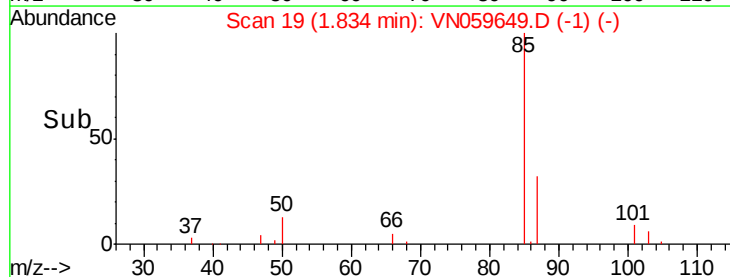
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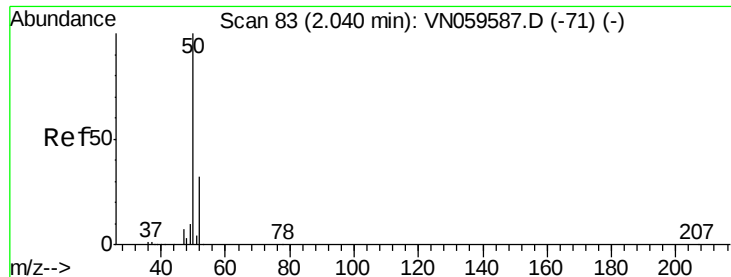
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 14.330 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

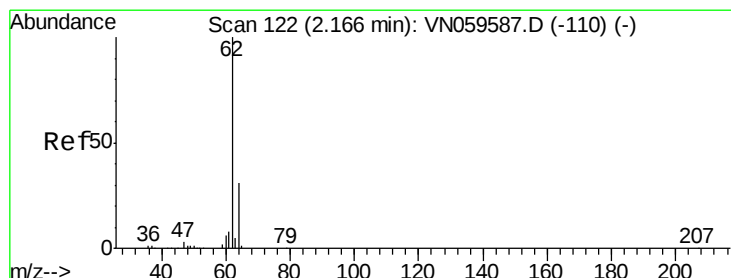
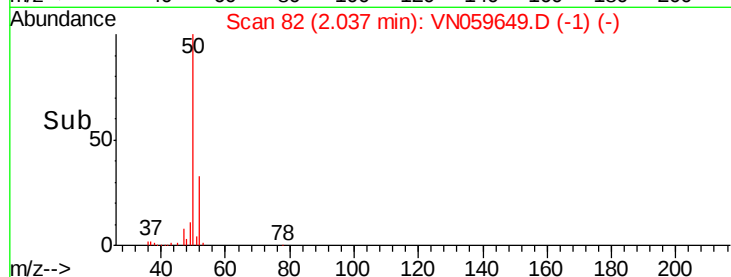
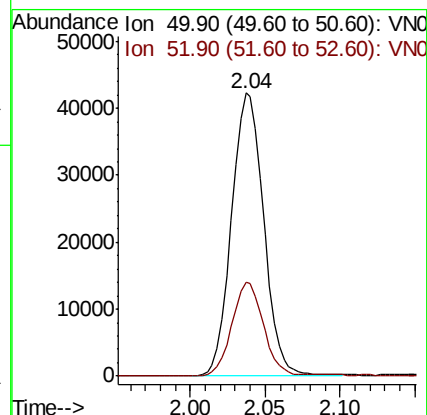
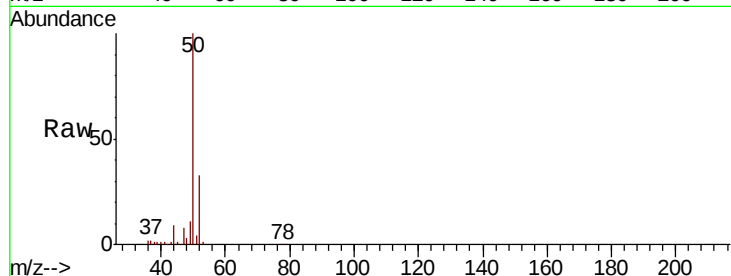
ClientSampleId :

Tot Ion: 50 Resp: 63465

Ion Ratio Lower Upper

50 100

52 33.3 25.9 38.9



#4

Vinyl Chloride

Concen: 14.690 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059649.D

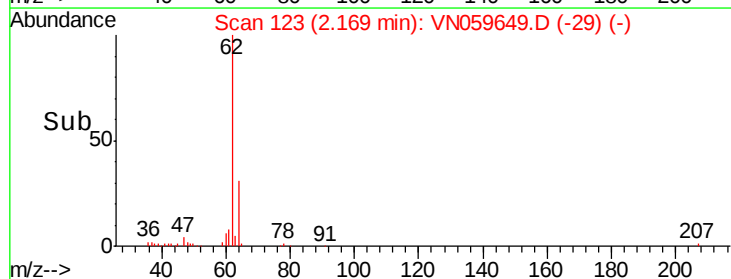
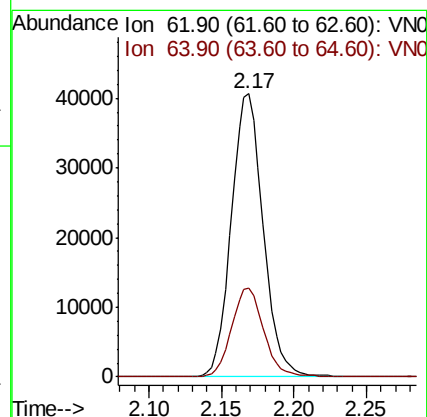
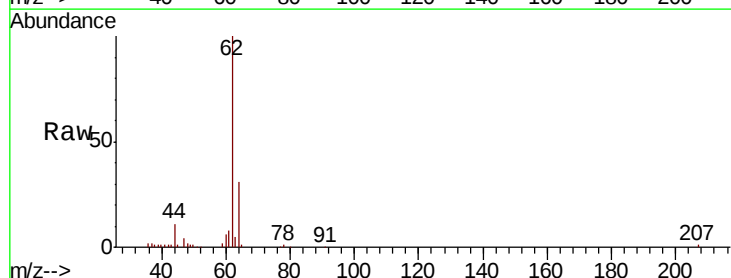
Acq: 18 Dec 2019 14:53

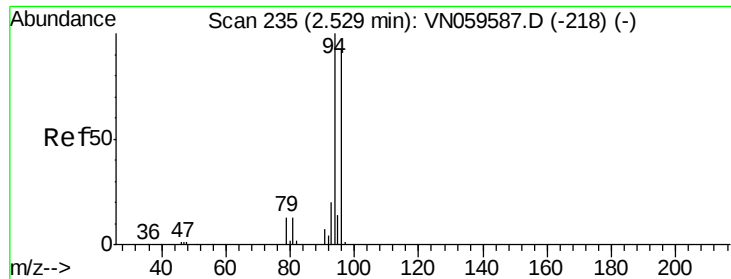
Tgt Ion: 62 Resp: 61697

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0





#5

Bromomethane

Concen: 15.071 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

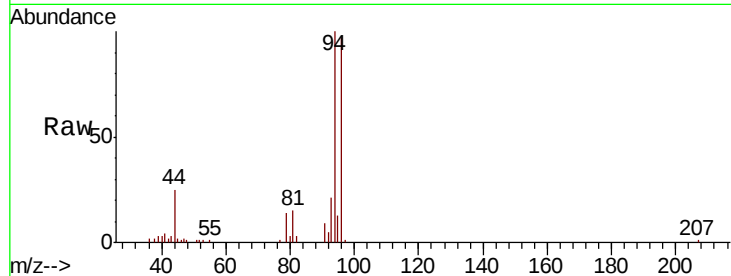
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 36798

Ion Ratio Lower Upper

94 100

96 97.2 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN059587.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059587.D (-218) (-)

2.54

20000

15000

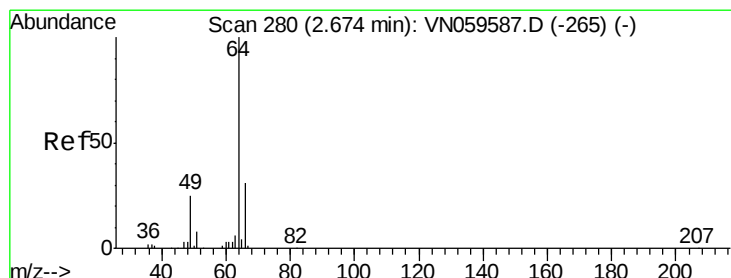
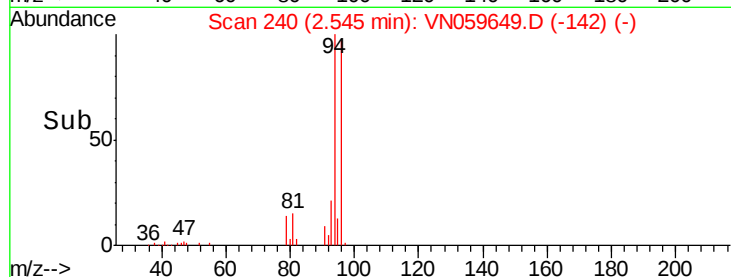
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 15.243 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059649.D

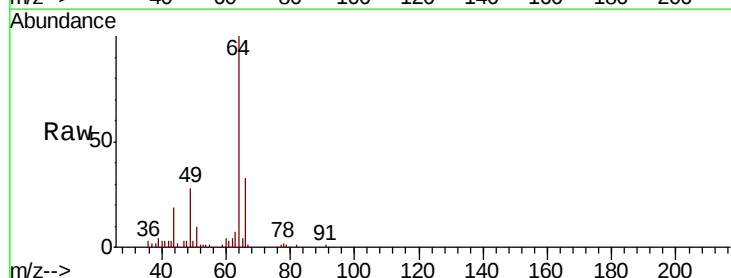
Acq: 18 Dec 2019 14:53

Tgt Ion: 64 Resp: 35981

Ion Ratio Lower Upper

64 100

66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN059587.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN059587.D (-265) (-)

2.68

20000

15000

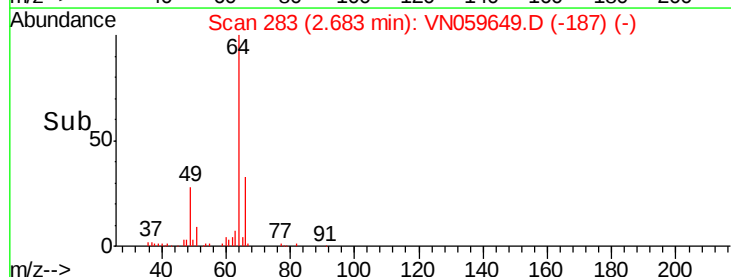
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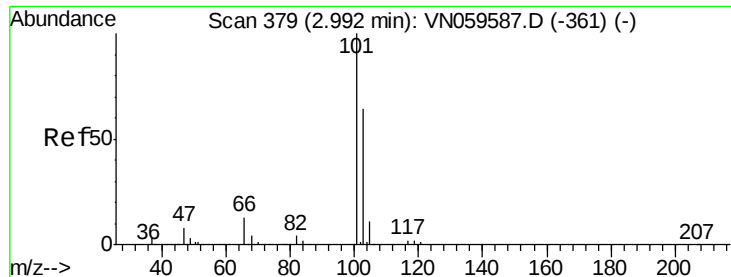
5000

0

Time-->

2.60 2.65 2.70 2.75 2.80



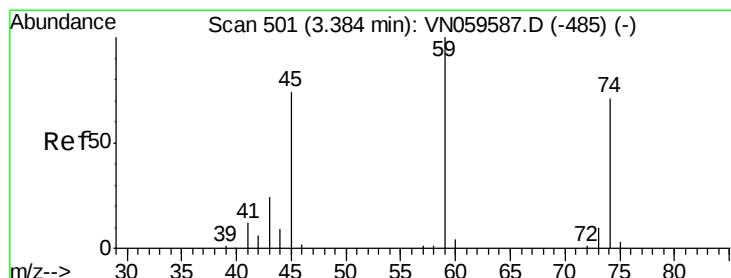
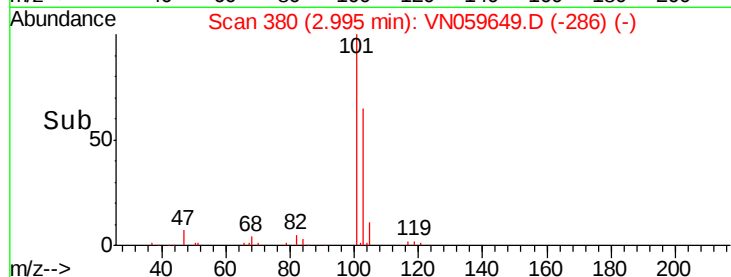
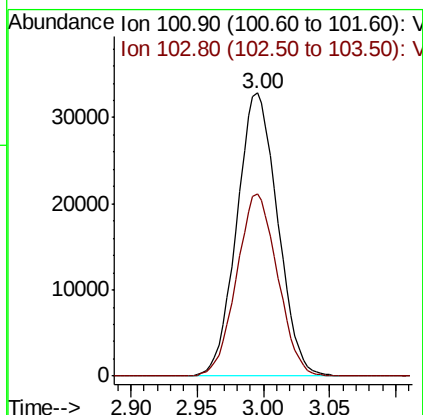
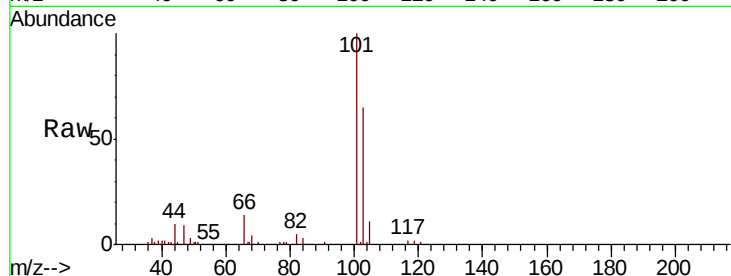


#7

Trichlorofluoromethane
Concen: 15.269 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

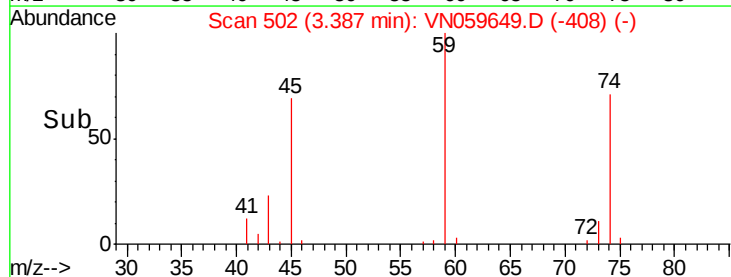
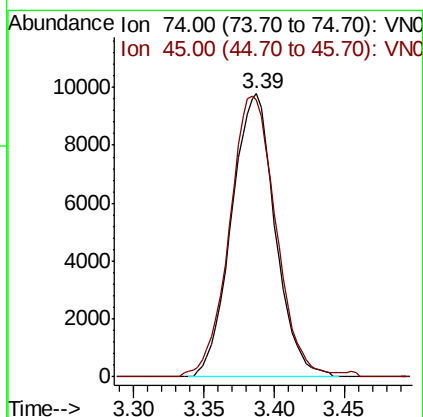
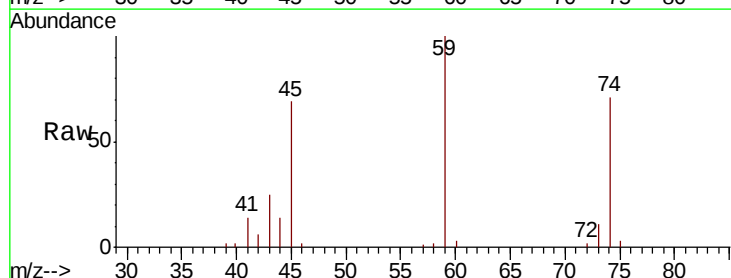
Tot Ion:101 Resp: 70364
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.6

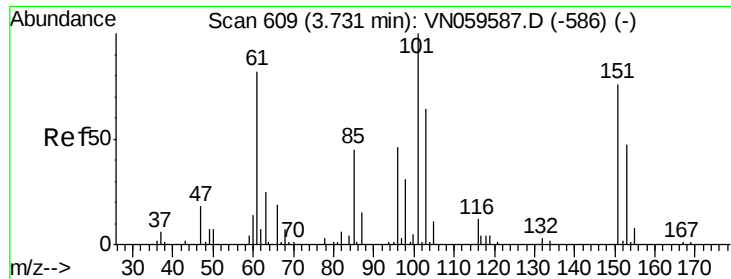


#8

Diethyl Ether
Concen: 14.741 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 74 Resp: 21224
Ion Ratio Lower Upper
74 100
45 105.5 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.439 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

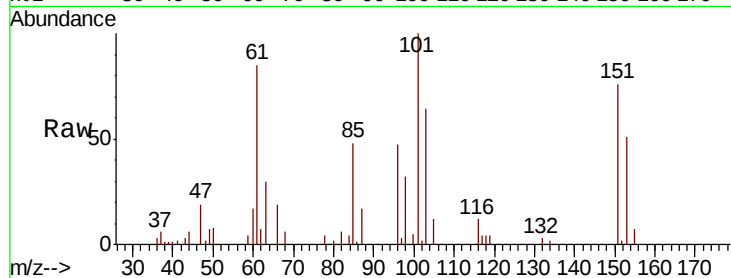
Tot Ion:101 Resp: 33531

Ion Ratio Lower Upper

101 100

85 46.6 36.6 54.8

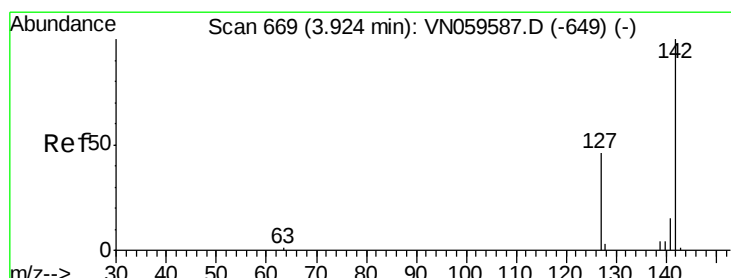
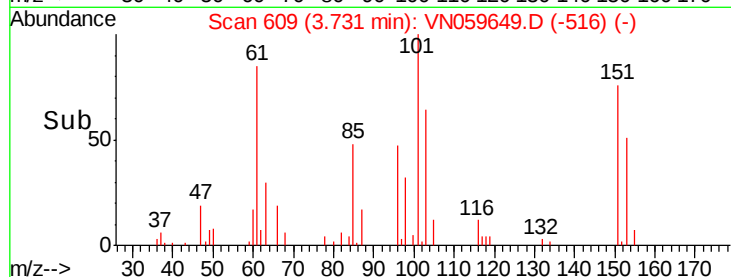
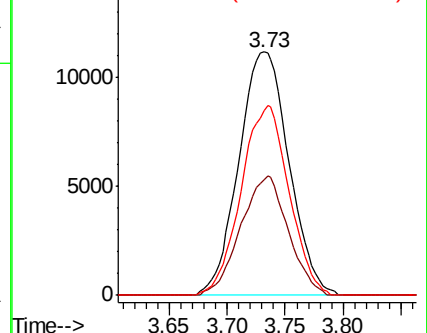
151 74.5 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.848 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

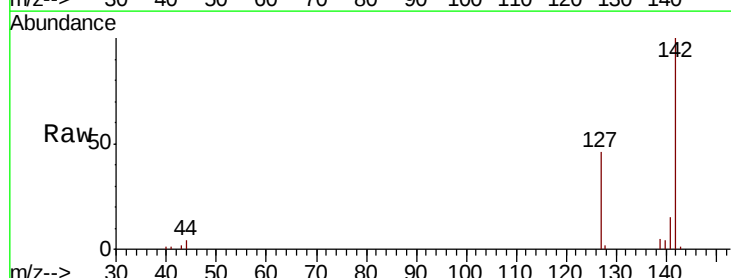
Tgt Ion:142 Resp: 42572

Ion Ratio Lower Upper

142 100

127 46.4 36.7 55.1

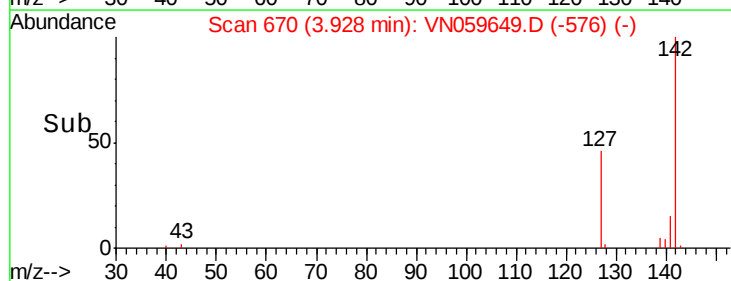
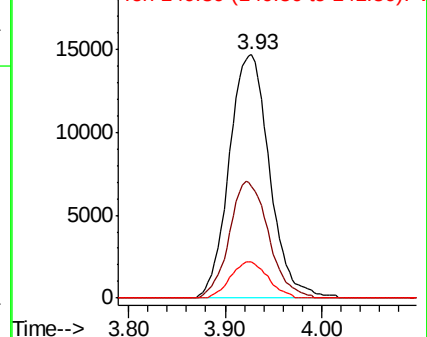
141 13.8 11.7 17.5

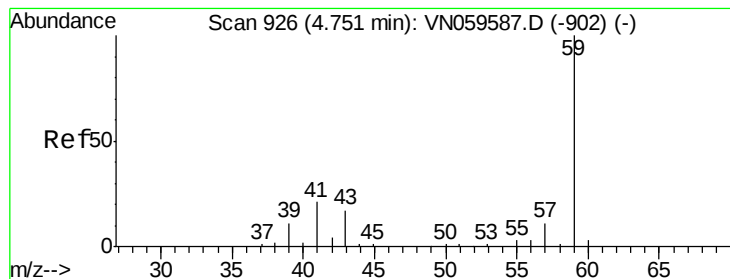


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



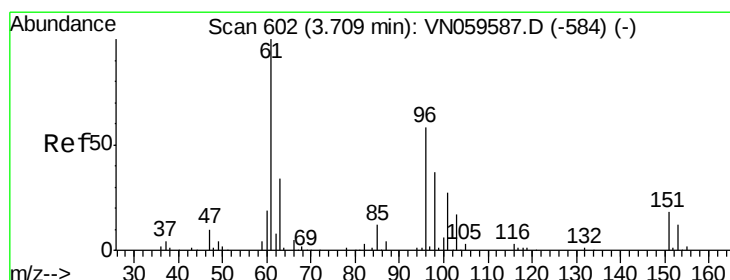
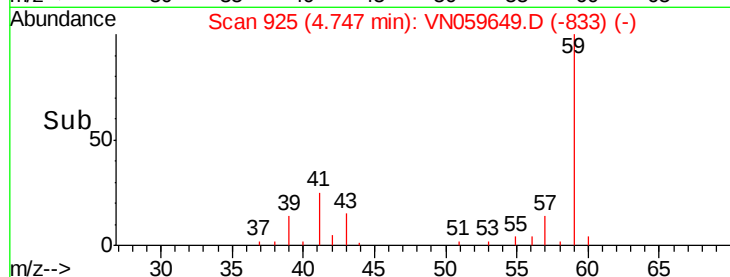
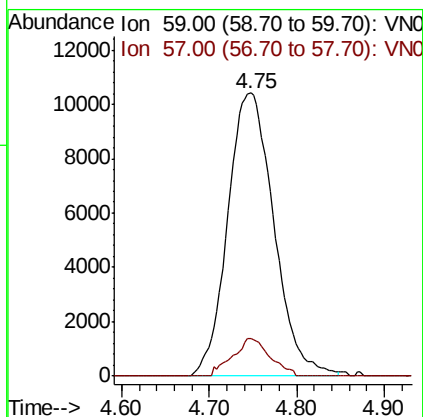
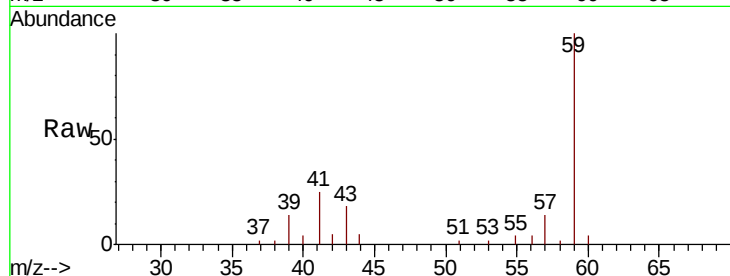


#11

Tert butyl alcohol
 Concen: 66.251 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Instrument :
 MSVOA_N
 ClientSampled :

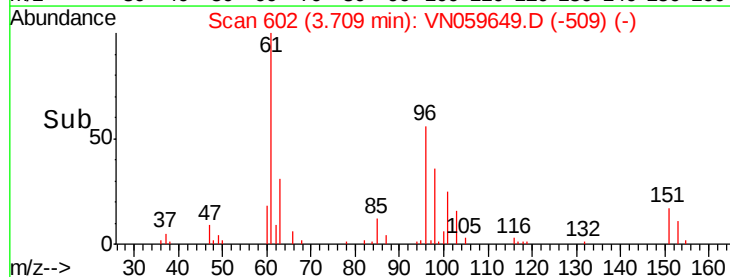
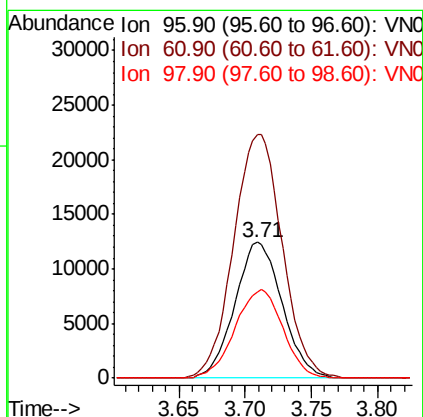
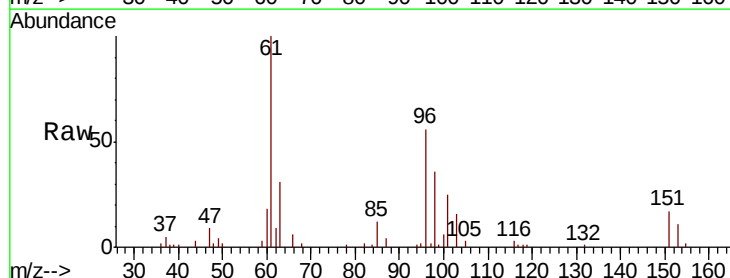
Tot Ion: 59 Resp: 38173
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.6 12.8

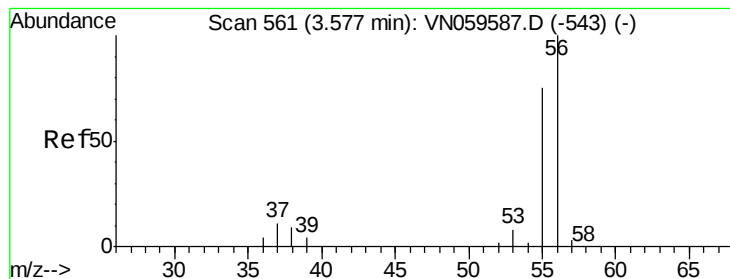


#12

1,1-Dichloroethene
 Concen: 13.611 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion: 96 Resp: 30834
 Ion Ratio Lower Upper
 96 100
 61 177.7 137.5 206.3
 98 63.9 50.2 75.4





#13

Acrolein

Concen: 56.427 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

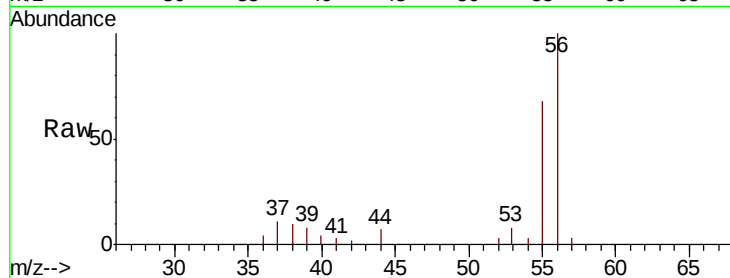
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 23160

Ion Ratio Lower Upper

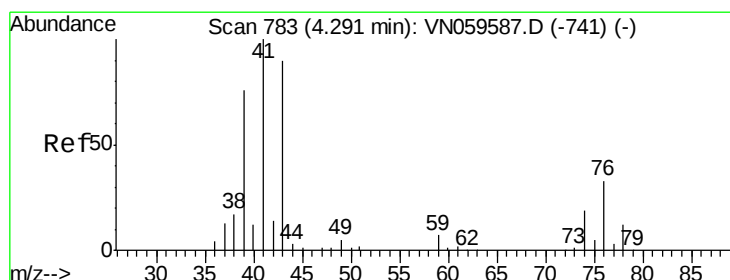
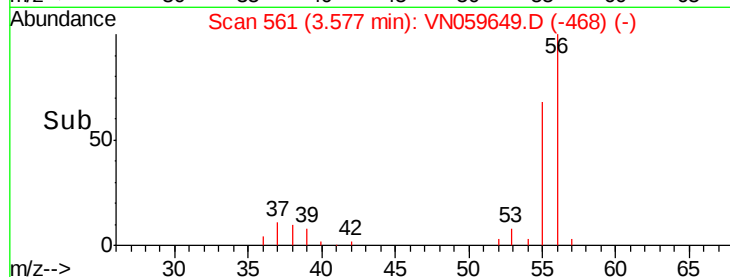
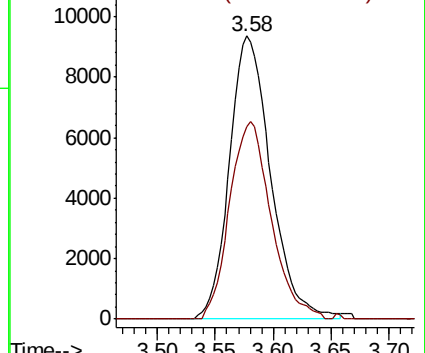
56 100

55 70.2 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 13.897 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

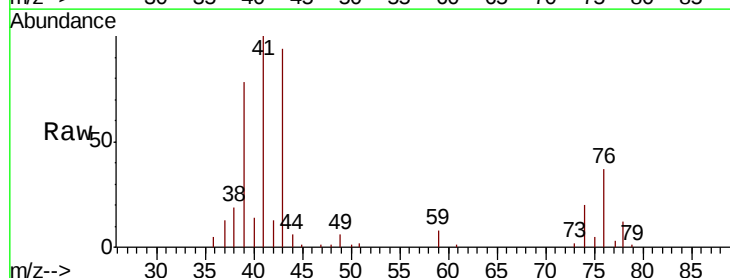
Tgt Ion: 41 Resp: 64627

Ion Ratio Lower Upper

41 100

39 68.1 57.8 86.8

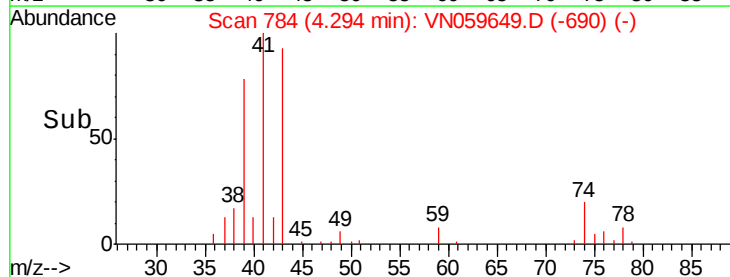
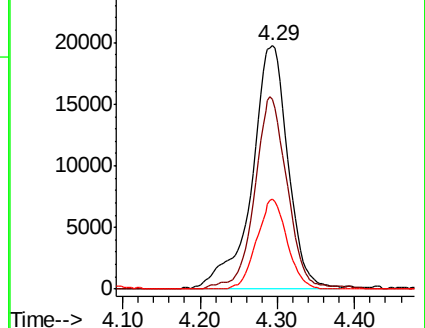
76 30.9 25.4 38.0

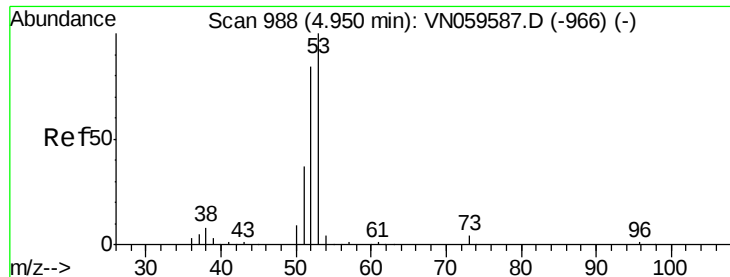


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 71.962 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

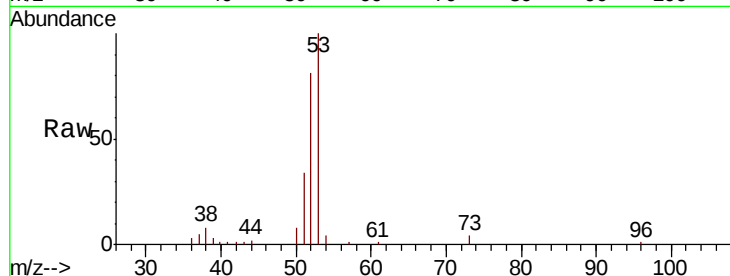
Tot Ion: 53 Resp: 100295

Ion Ratio Lower Upper

53 100

52 81.9 66.3 99.5

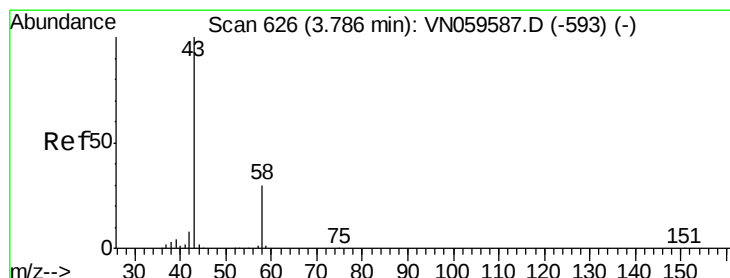
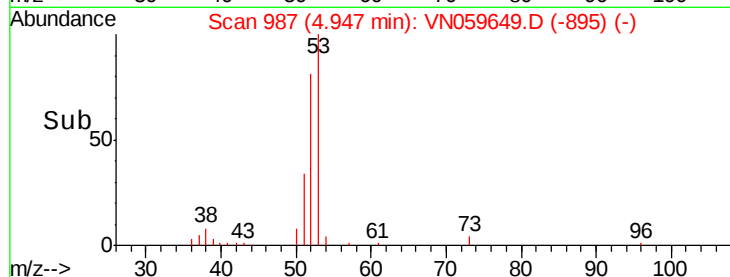
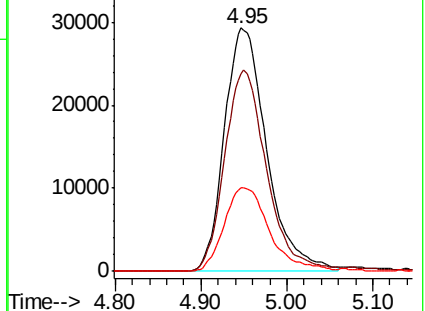
51 36.8 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059587.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059587.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059587.D (-966) (-)



#16

Acetone

Concen: 64.691 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059649.D

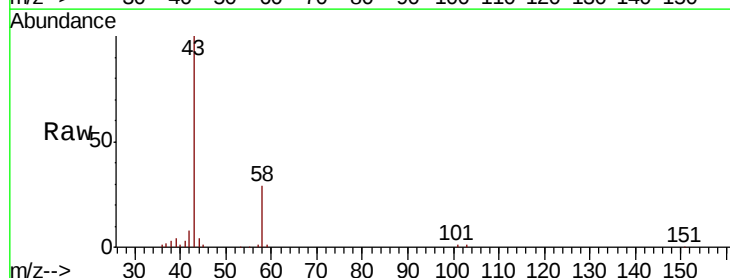
Acq: 18 Dec 2019 14:53

Tgt Ion: 43 Resp: 120711

Ion Ratio Lower Upper

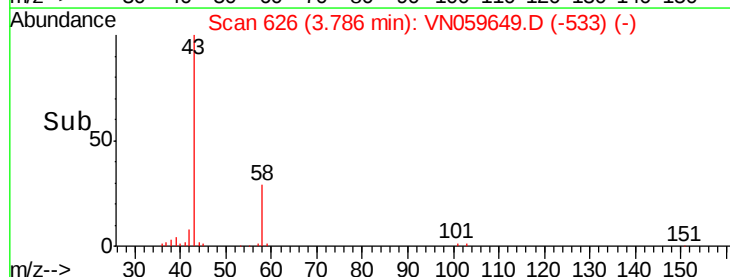
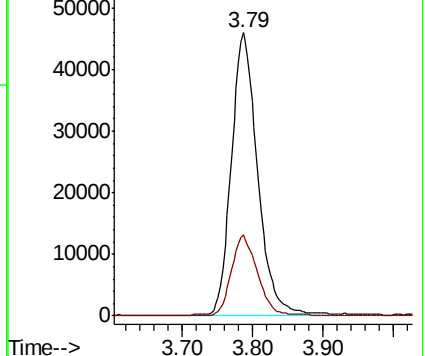
43 100

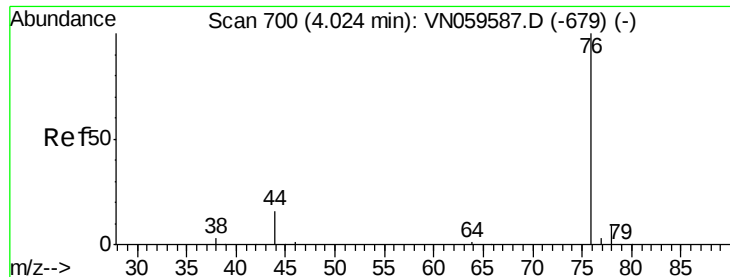
58 28.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)

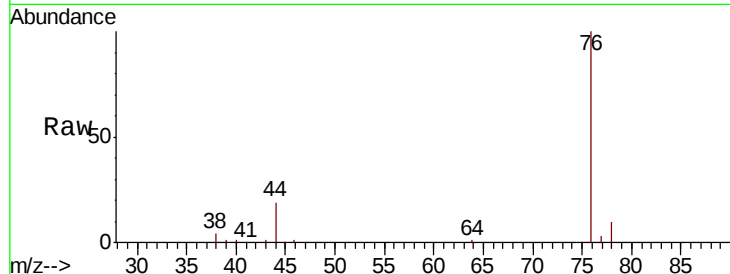




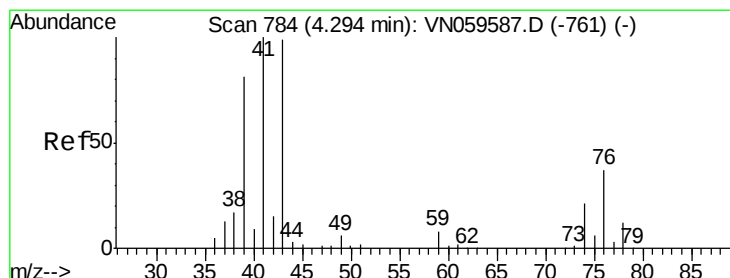
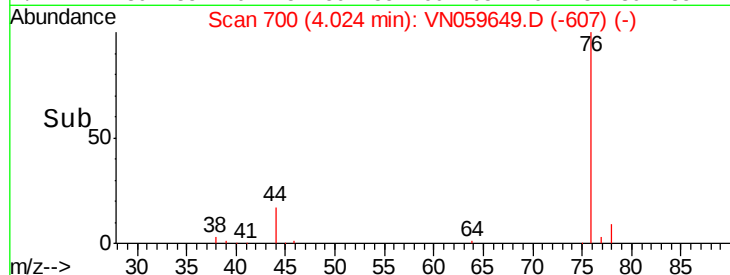
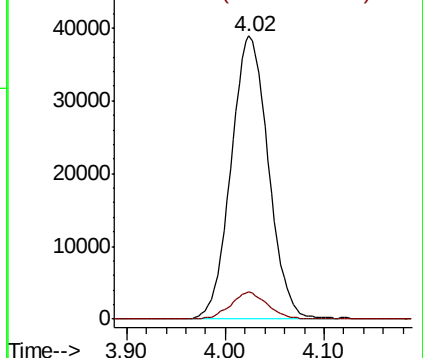
#17
Carbon Disulfide
Concen: 13.911 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 102143
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

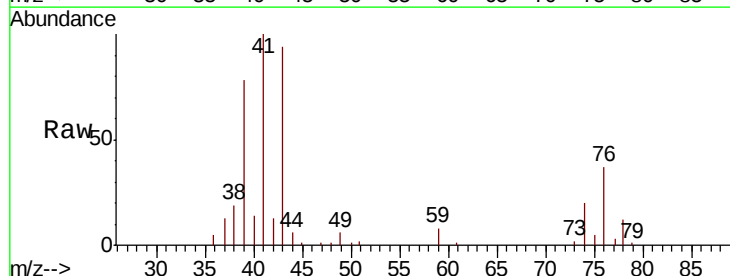


Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

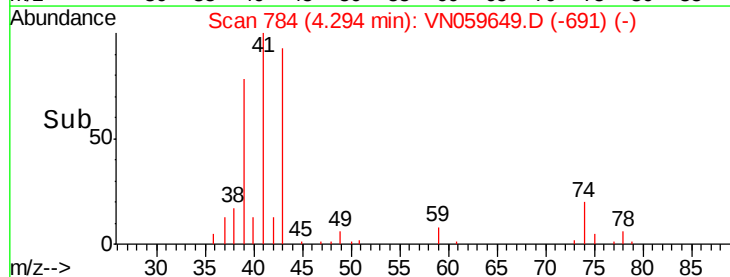
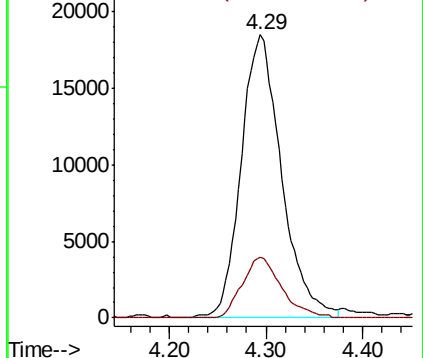


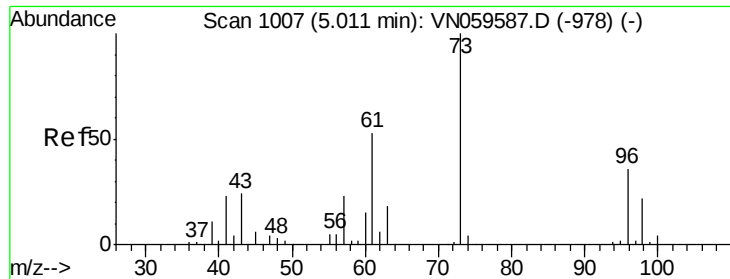
#18
Methyl Acetate
Concen: 13.771 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 43 Resp: 53843
Ion Ratio Lower Upper
43 100
74 20.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

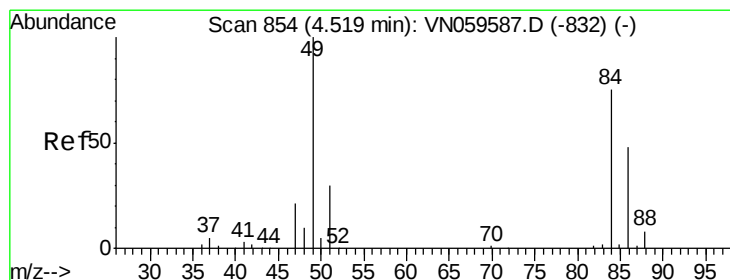
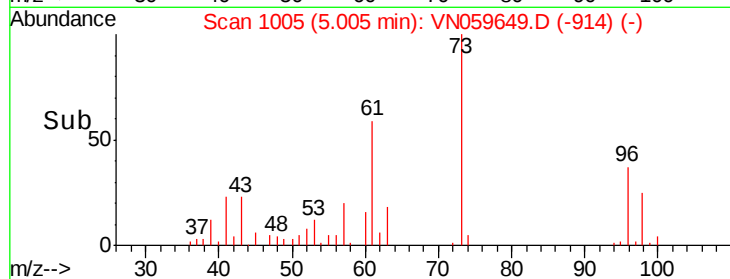
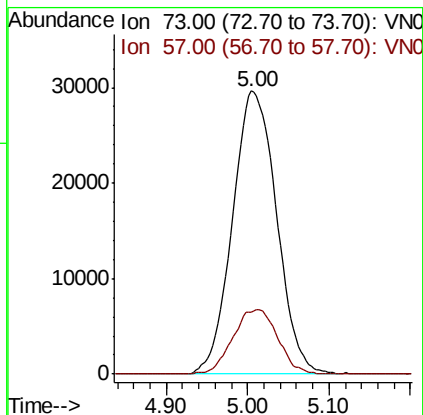
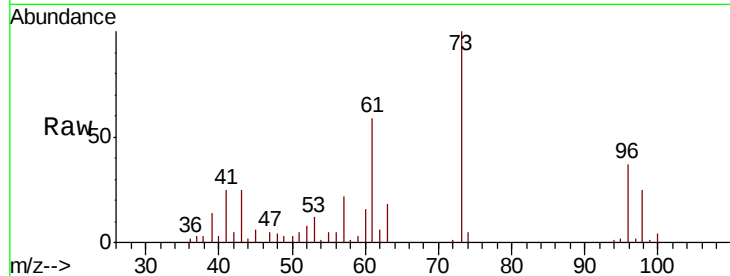




#19
Methvl tert-butvl Ether
Concen: 13.895 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

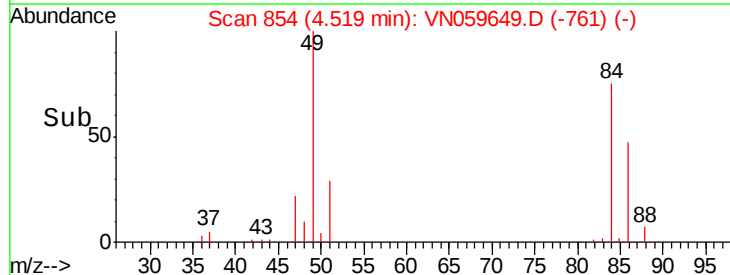
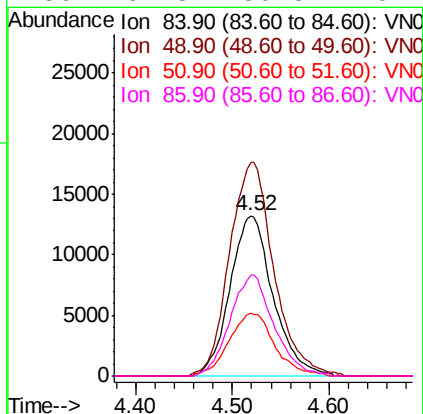
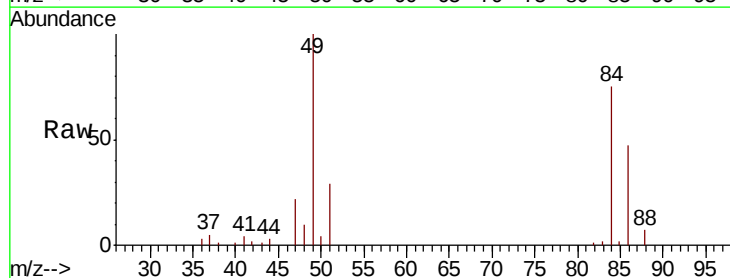
Instrument :
MSVOA_N
ClientSampleId :

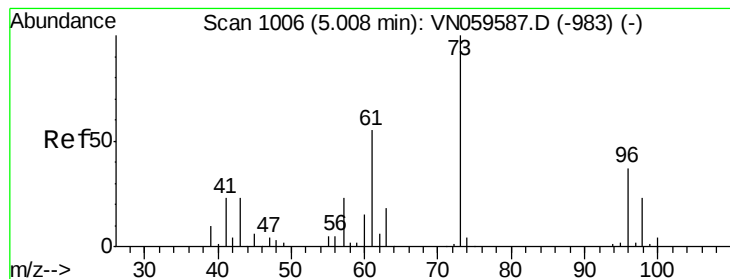
Tot Ion: 73 Resp: 111142
Ion Ratio Lower Upper
73 100
57 21.8 18.6 27.8



#20
Methylene Chloride
Concen: 15.171 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 84 Resp: 40883
Ion Ratio Lower Upper
84 100
49 133.3 106.6 160.0
51 38.8 31.9 47.9
86 62.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 14.026 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

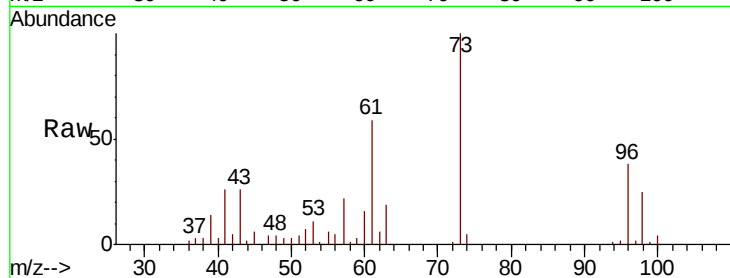
Tot Ion: 96 Resp: 35422

Ion Ratio Lower Upper

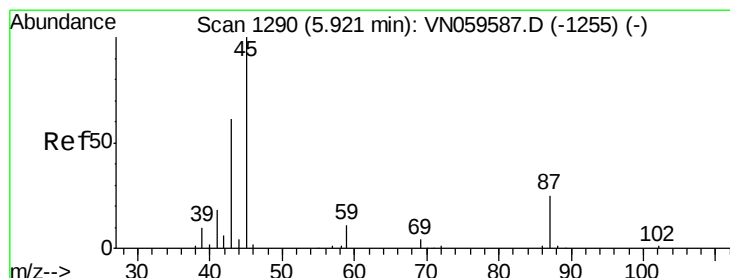
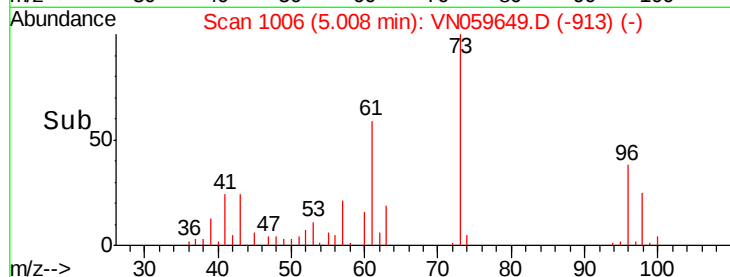
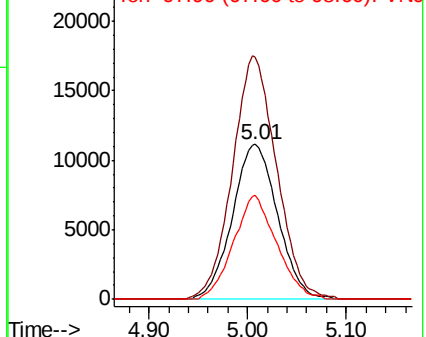
96 100

61 156.5 120.4 180.6

98 66.8 50.6 75.8



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



#22

Diisopropyl ether

Concen: 14.823 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Tgt Ion: 45 Resp: 127086

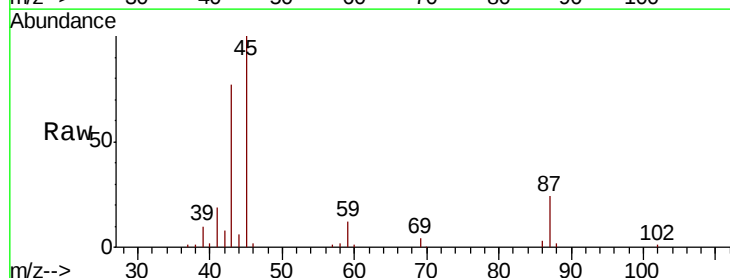
Ion Ratio Lower Upper

45 100

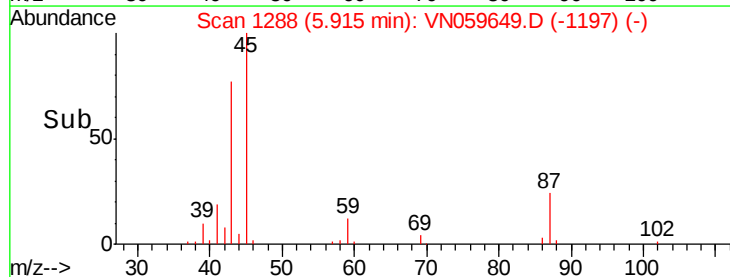
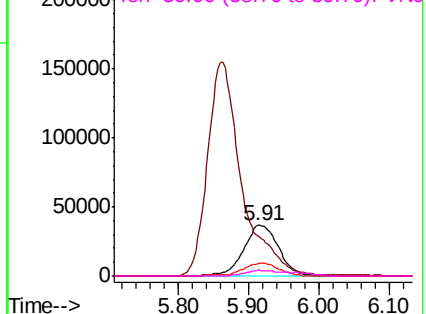
43 74.6 50.8 76.2

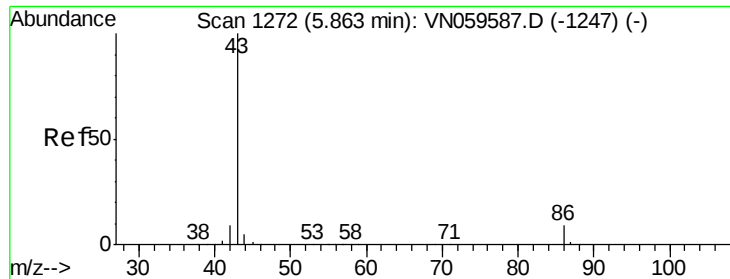
87 24.4 21.0 31.6

59 11.7 9.1 13.7



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

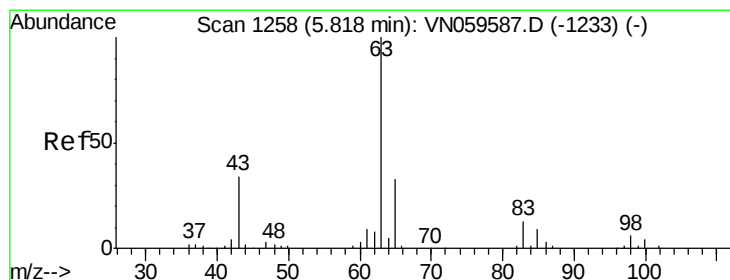
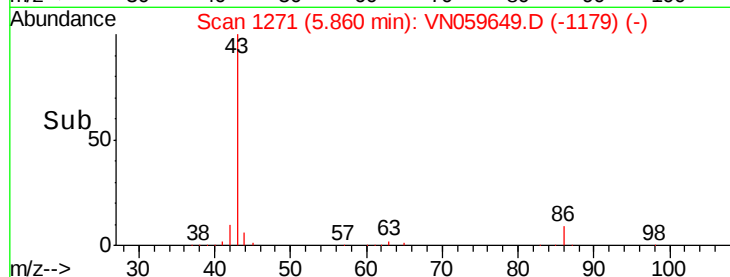
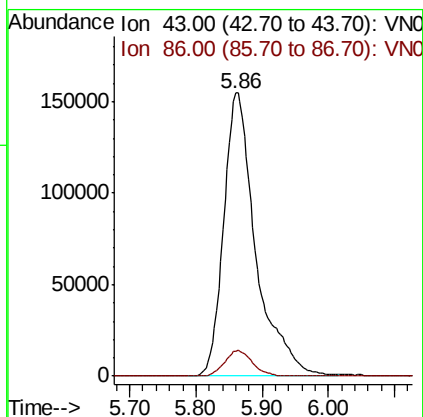
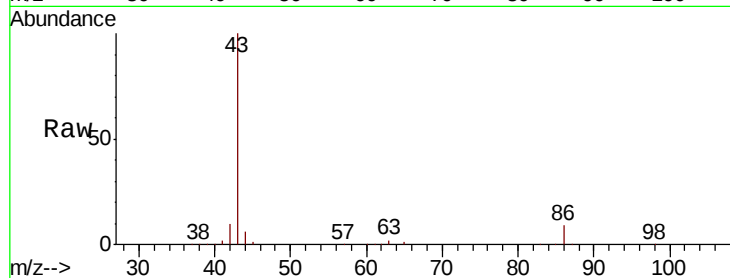




#23
 Vinyl Acetate
 Concen: 77.718 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

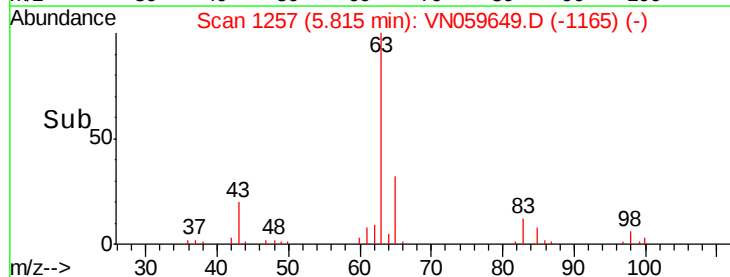
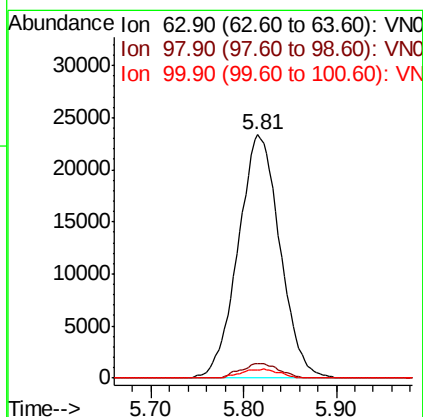
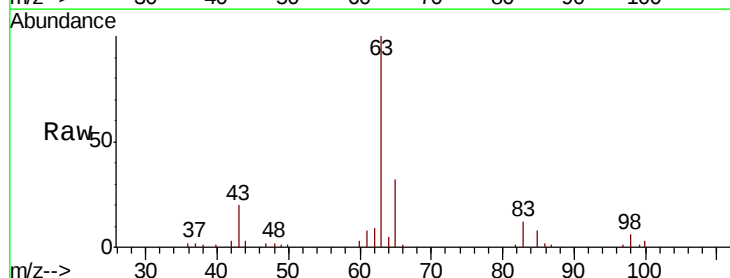
Instrument :
 MSVOA_N
 ClientSampleId :

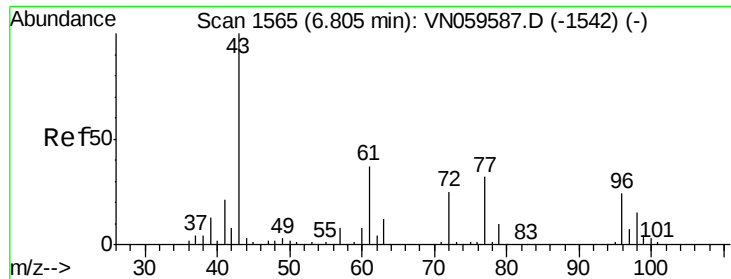
Tot Ion: 43 Resp: 522907
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 15.022 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion: 63 Resp: 72956
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.7
 100 3.3 2.0 6.0





#25

2-Butanone

Concen: 66.570 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

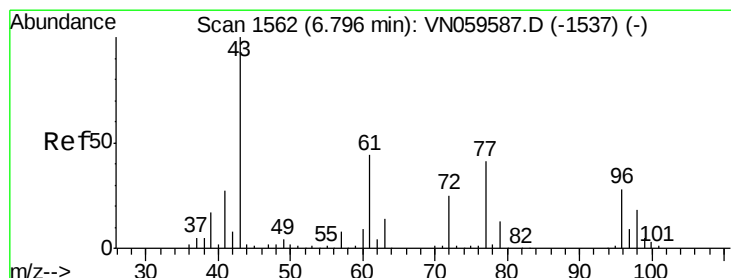
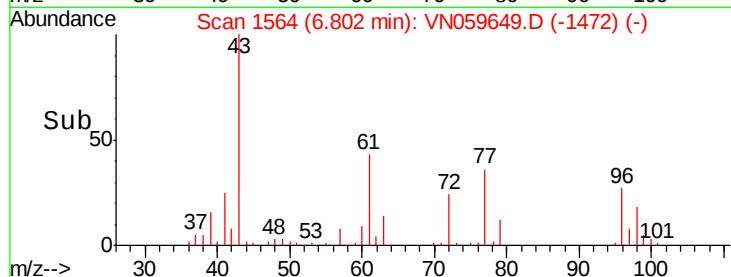
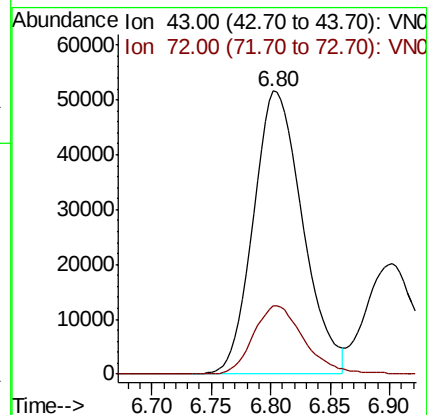
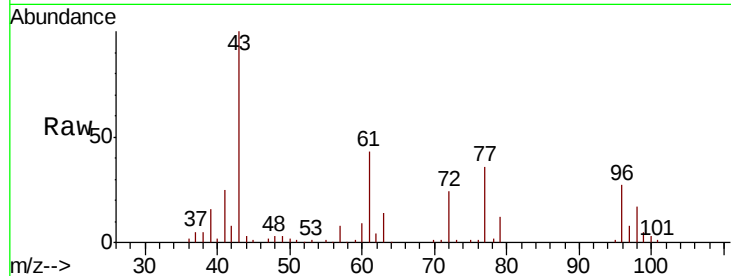
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 148538

Ion Ratio Lower Upper

43 100

72 24.0 19.9 29.9



#26

2,2-Dichloropropane

Concen: 14.609 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059649.D

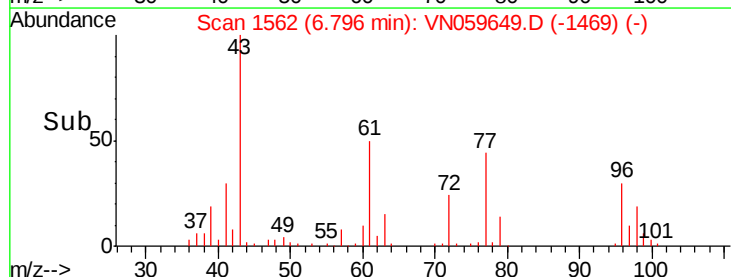
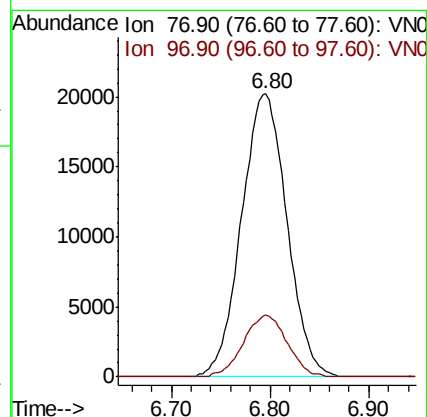
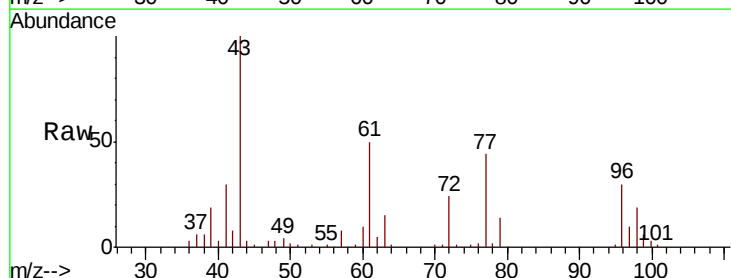
Acq: 18 Dec 2019 14:53

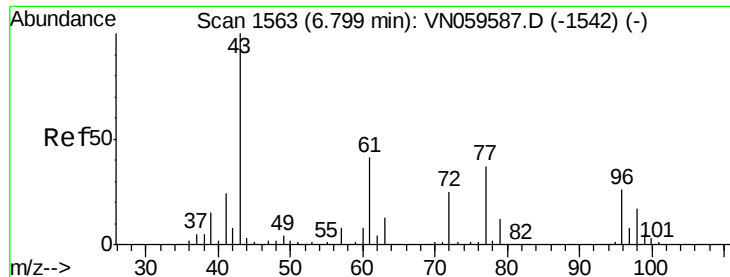
Tgt Ion: 77 Resp: 64483

Ion Ratio Lower Upper

77 100

97 21.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 14.490 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

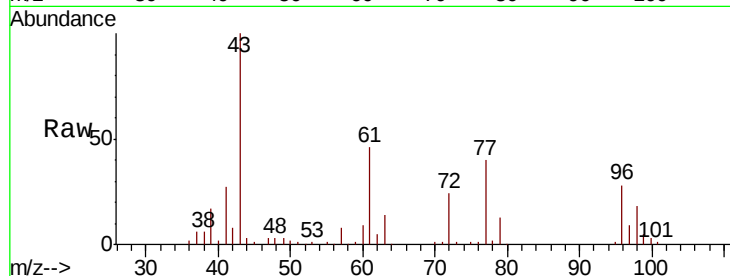
Tot Ion: 96 Resp: 40550

Ion Ratio Lower Upper

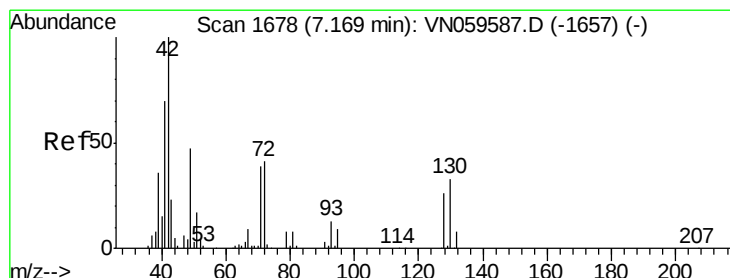
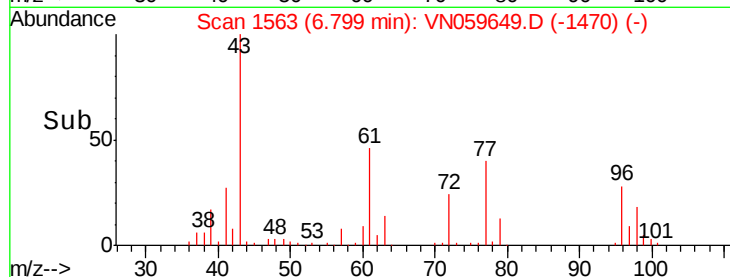
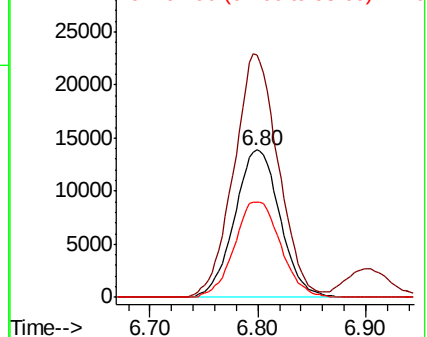
96 100

61 162.4 0.0 317.6

98 65.9 0.0 127.0



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



#28

Bromochloromethane

Concen: 13.008 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

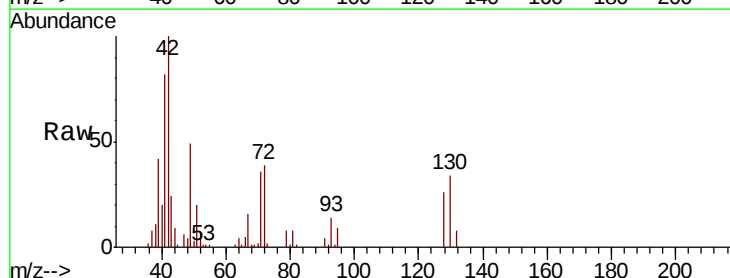
Tgt Ion: 49 Resp: 25830

Ion Ratio Lower Upper

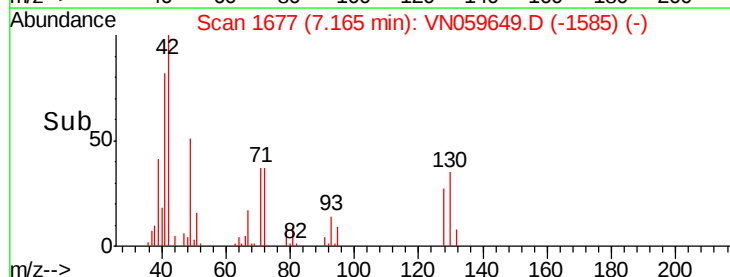
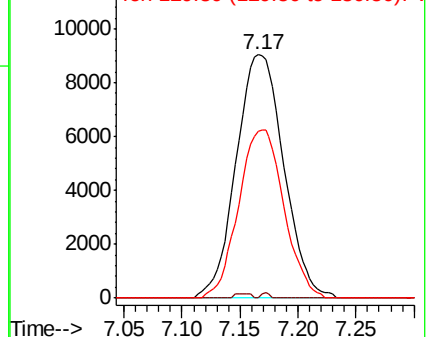
49 100

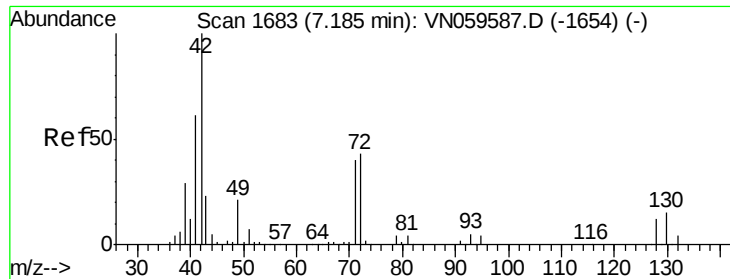
129 0.4 0.0 3.4

130 65.6 54.7 82.1



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

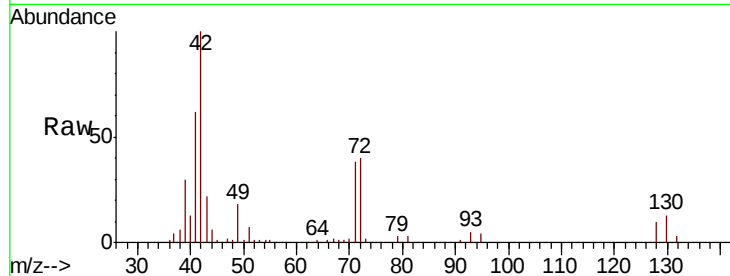




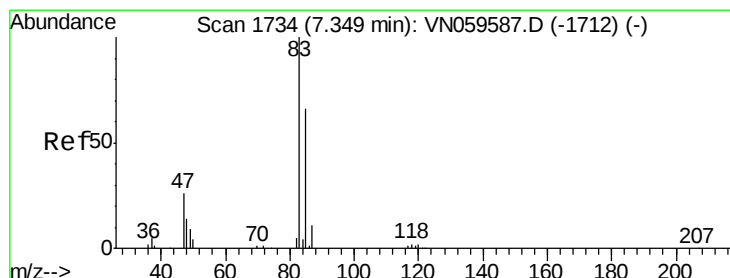
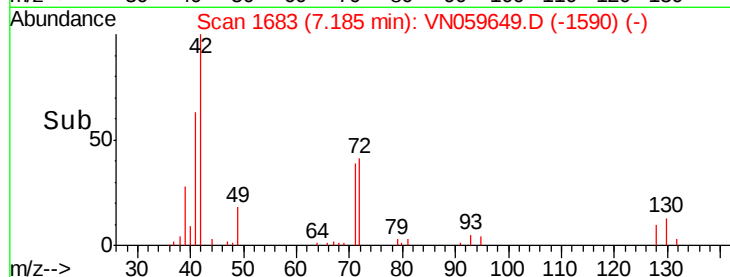
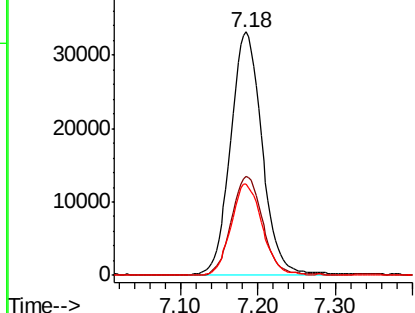
#29
Tetrahydrofuran
Concen: 69.285 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 94194
Ion Ratio Lower Upper
42 100
72 40.2 33.1 49.7
71 36.9 31.4 47.0

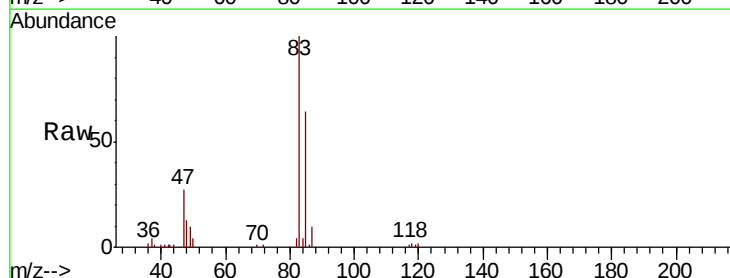


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

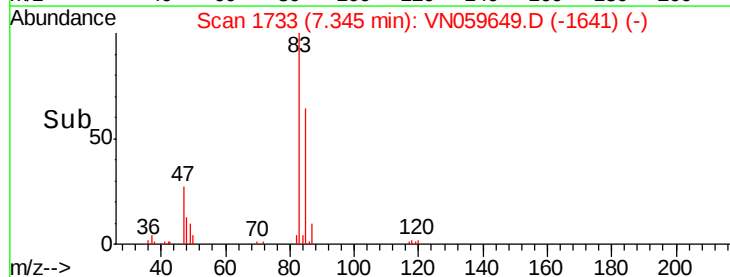
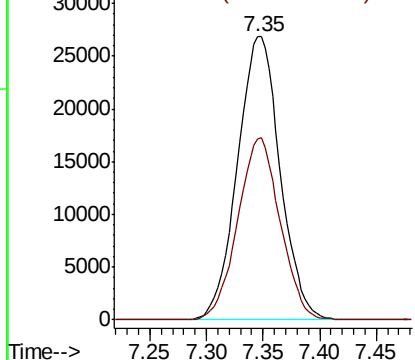


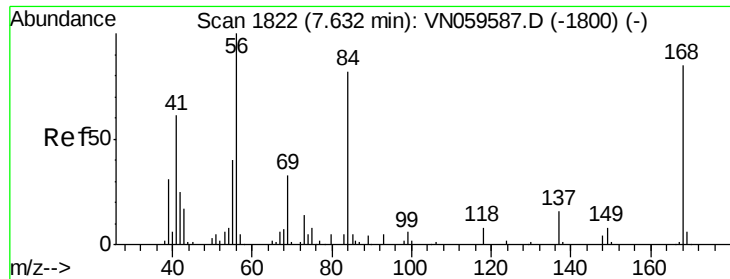
#30
Chloroform
Concen: 14.696 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 83 Resp: 70256
Ion Ratio Lower Upper
83 100
85 64.1 52.4 78.6



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

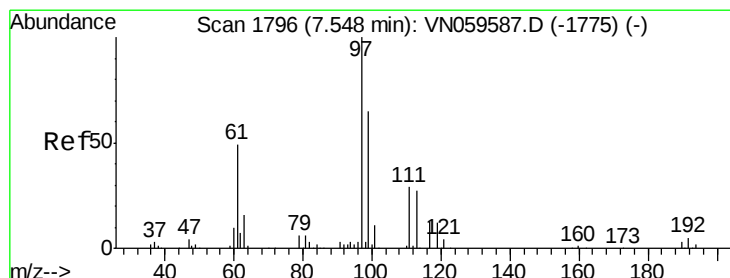
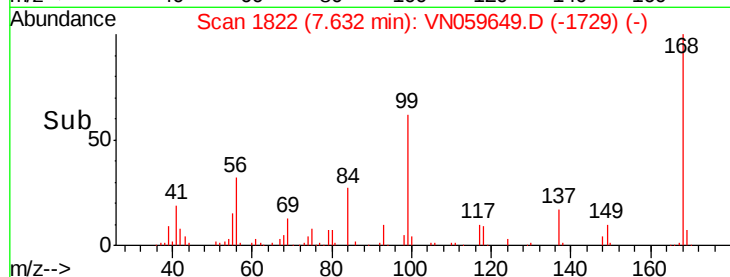
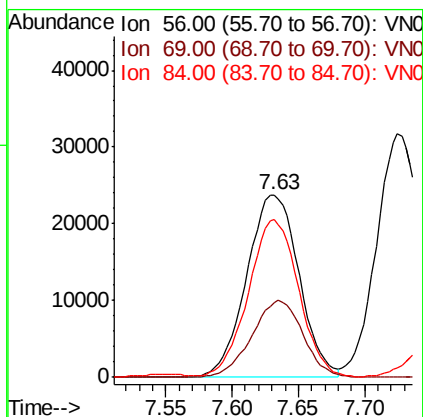
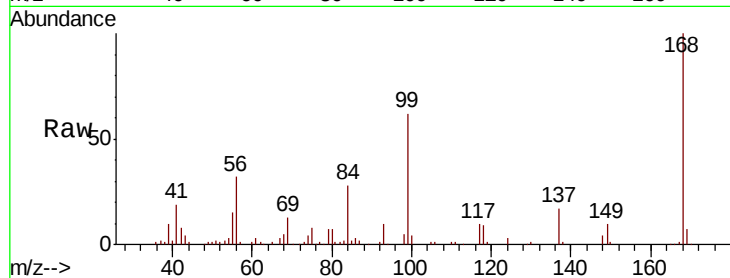




#31
Cyclohexane
Concen: 14.295 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

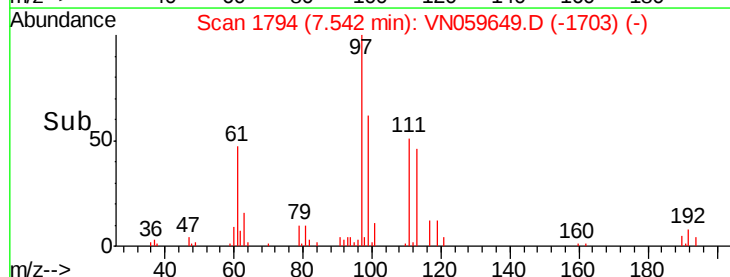
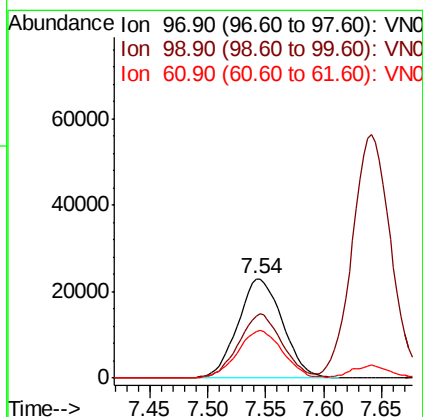
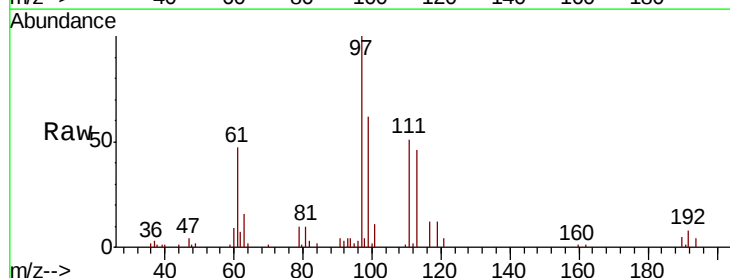
Instrument :
MSVOA_N
ClientSampleId :

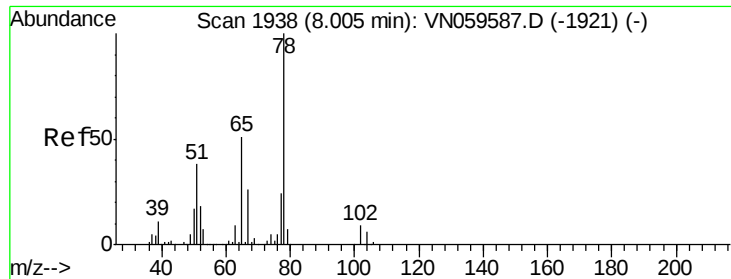
Tot Ion: 56 Resp: 65598
Ion Ratio Lower Upper
56 100
69 41.3 26.5 39.7#
84 85.5 65.3 97.9



#32
1,1,1-Trichloroethane
Concen: 14.285 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 97 Resp: 61567
Ion Ratio Lower Upper
97 100
99 62.8 51.0 76.4
61 48.6 38.5 57.7

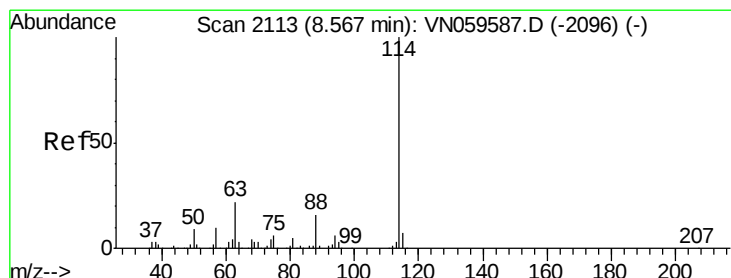
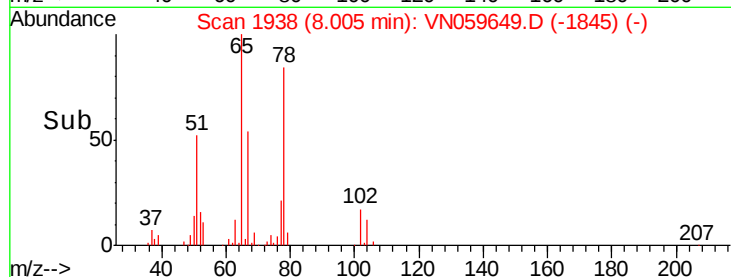
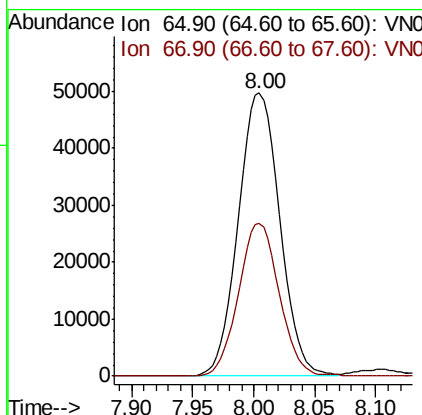
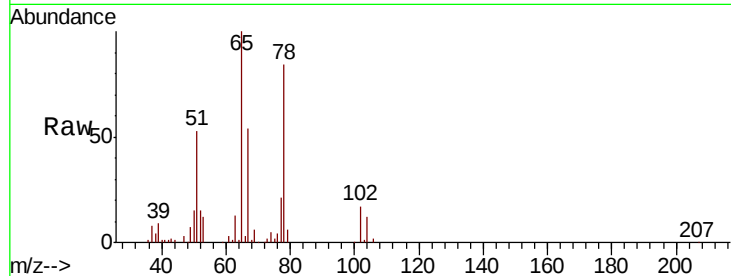




#33
 1,2-Dichloroethane-d4
 Concen: 37.289 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

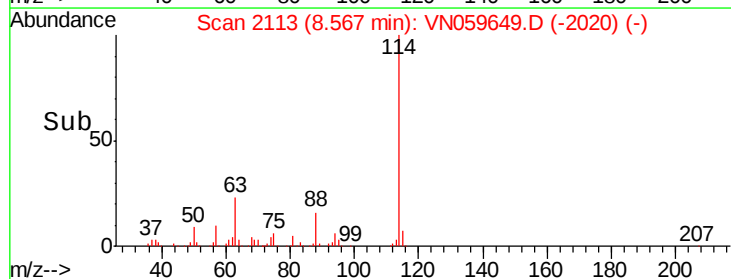
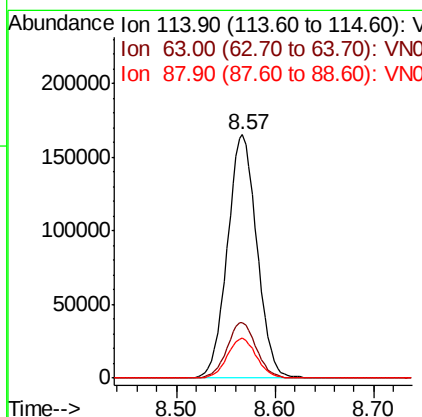
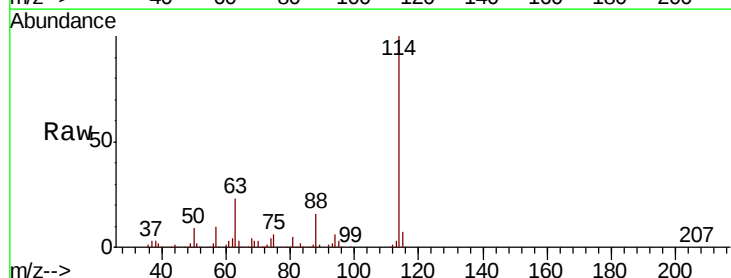
Instrument :
 MSVOA_N
 ClientSampled :

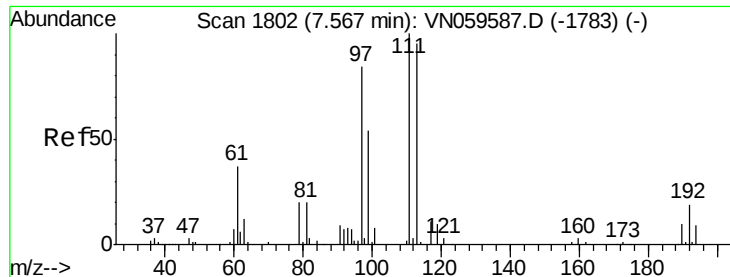
Tot Ion: 65 Resp: 117195
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion: 114 Resp: 344349
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.6
 88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 37.321 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

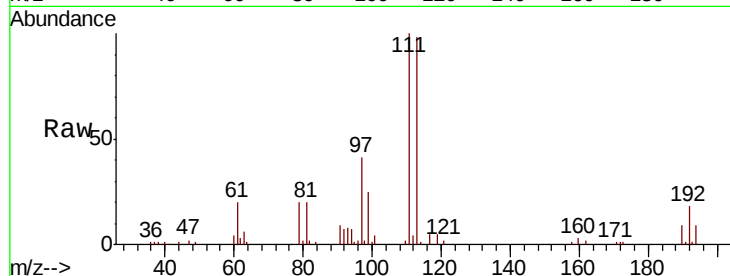
Tot Ion:113 Resp: 80410

Ion Ratio Lower Upper

113 100

111 102.6 83.5 125.3

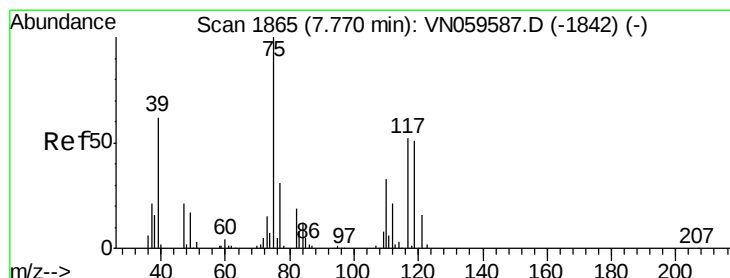
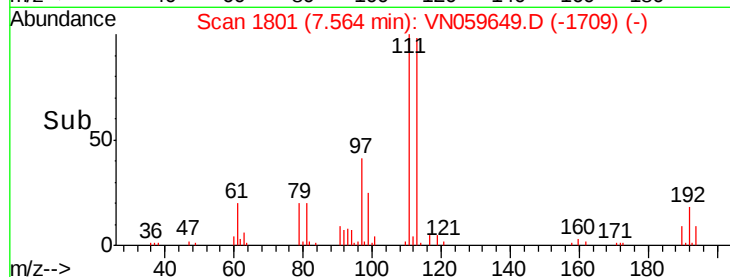
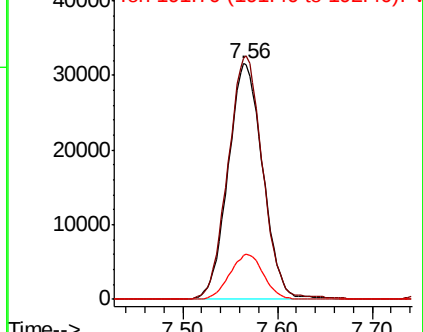
192 18.5 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 14.746 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

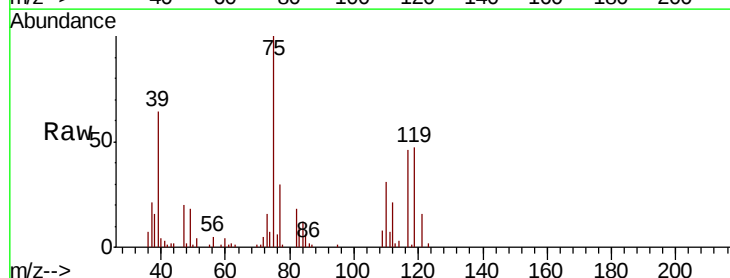
Tgt Ion: 75 Resp: 52954

Ion Ratio Lower Upper

75 100

110 31.5 16.6 49.7

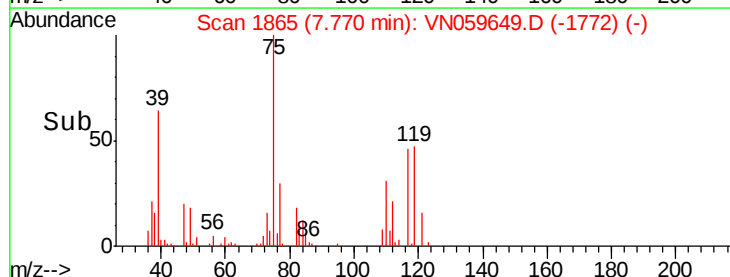
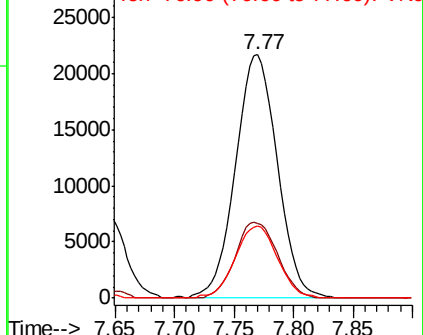
77 30.0 25.1 37.7

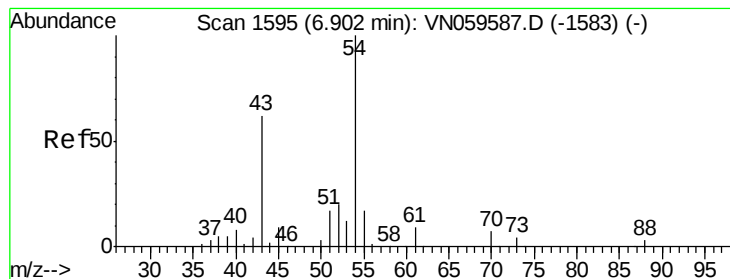


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 14.054 ug/l

RT: 6.90 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

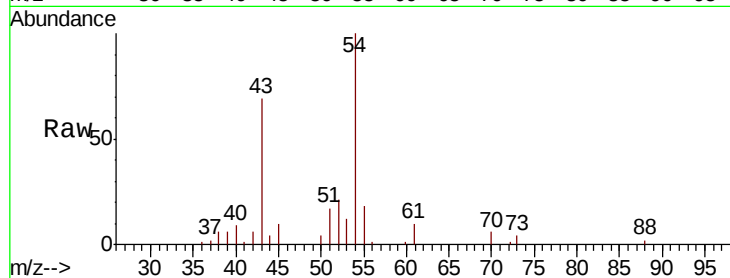
Tot Ion: 43 Resp: 58658

Ion Ratio Lower Upper

43 100

61 13.6 10.9 16.3

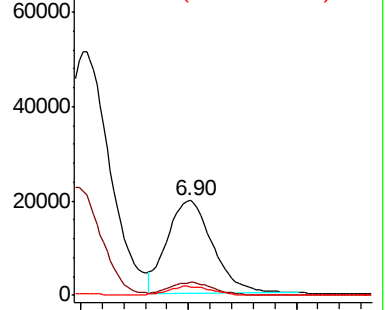
70 9.0 7.7 11.5



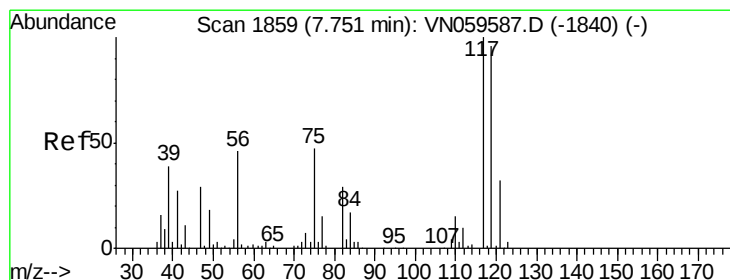
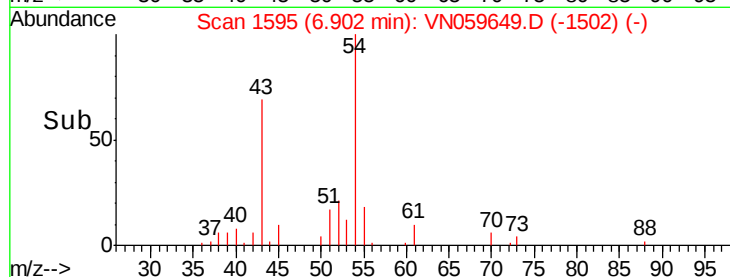
Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1583) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-1583) (-)

Ion 70.00 (69.70 to 70.70): VN059587.D (-1583) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 13.969 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

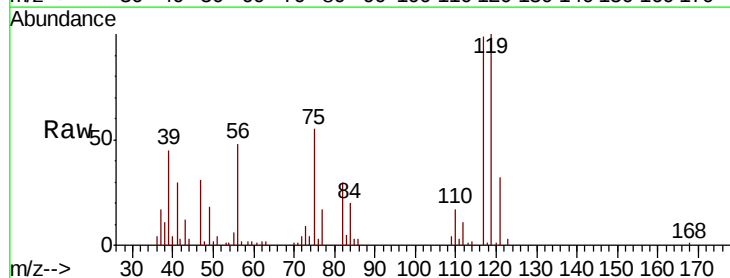
Tgt Ion: 117 Resp: 52052

Ion Ratio Lower Upper

117 100

119 101.1 76.5 114.7

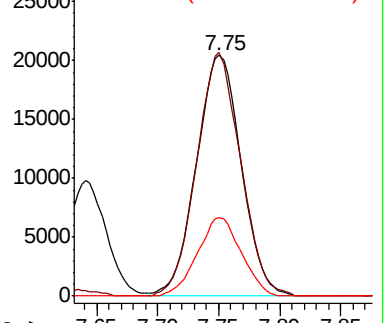
121 32.6 25.1 37.7



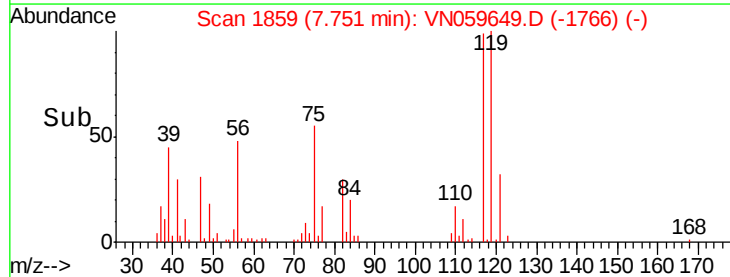
Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-1840) (-)

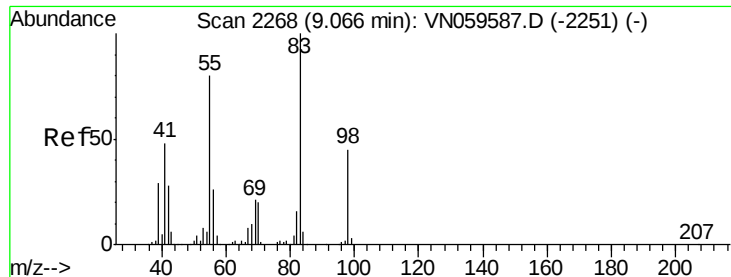
Ion 118.80 (118.50 to 119.50): VN059587.D (-1840) (-)

Ion 120.80 (120.50 to 121.50): VN059587.D (-1840) (-)



Time-->

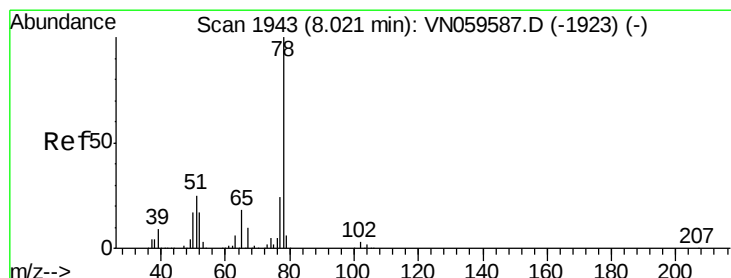
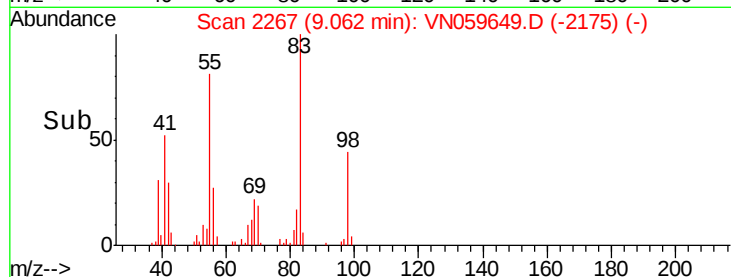
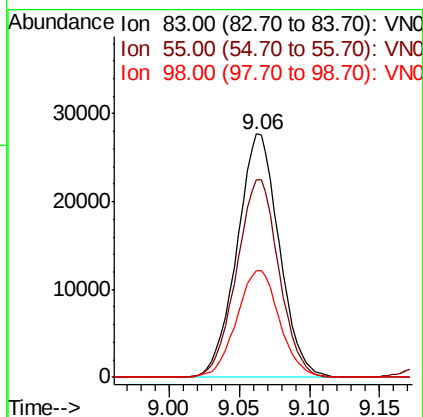
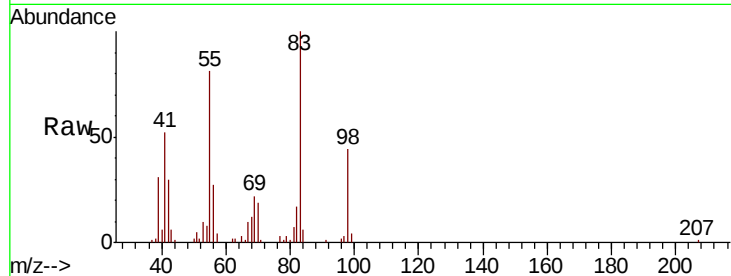




#39
Methvlcvclohexane
Concen: 14.213 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

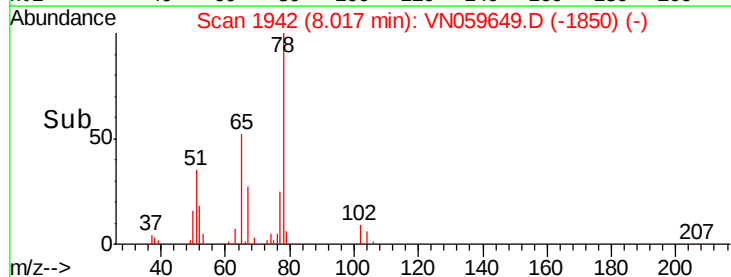
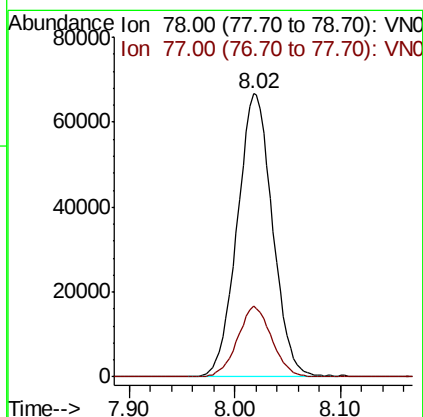
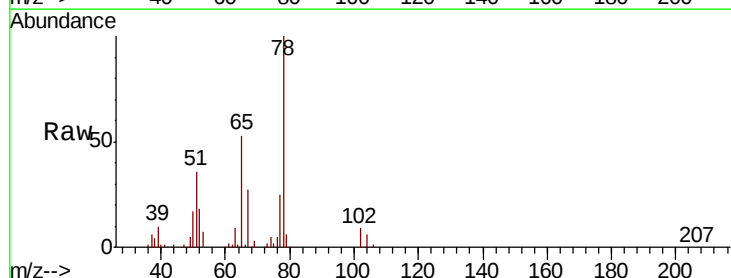
Instrument :
MSVOA_N
ClientSampled :

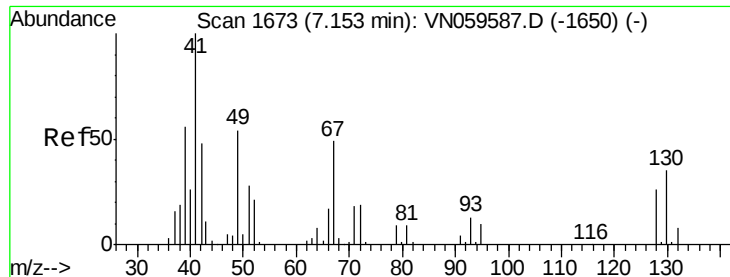
Tot Ion: 83 Resp: 57894
Ion Ratio Lower Upper
83 100
55 81.4 64.2 96.2
98 43.6 35.9 53.9



#40
Benzene
Concen: 14.750 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 78 Resp: 154793
Ion Ratio Lower Upper
78 100
77 24.9 18.9 28.3





#41

Methacrylonitrile

Concen: 49.808 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.03 min

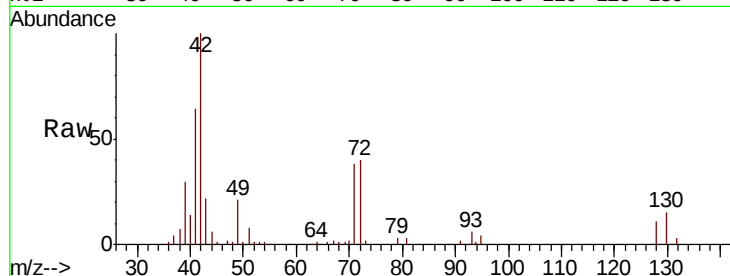
Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

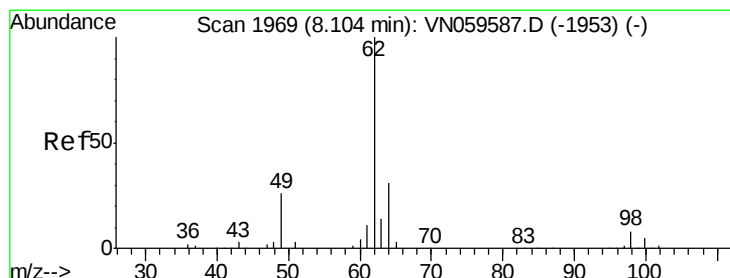
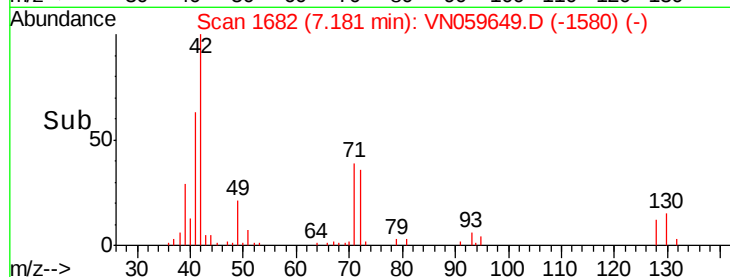
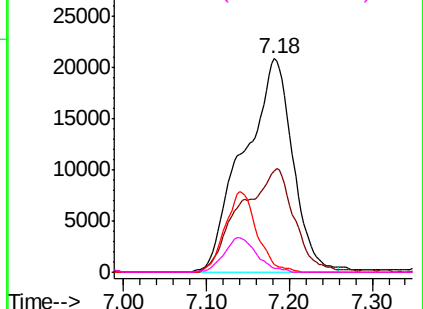
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 85795

Ion	Ratio	Lower	Upper
41	100		
39	53.0	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: 15.301 ug/l

RT: 8.10 min Scan# 1969

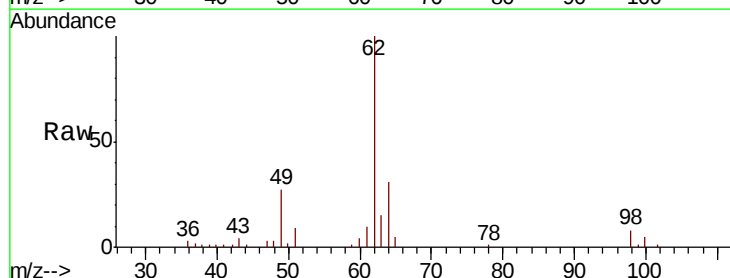
Delta R.T. -0.00 min

Lab File: VN059649.D

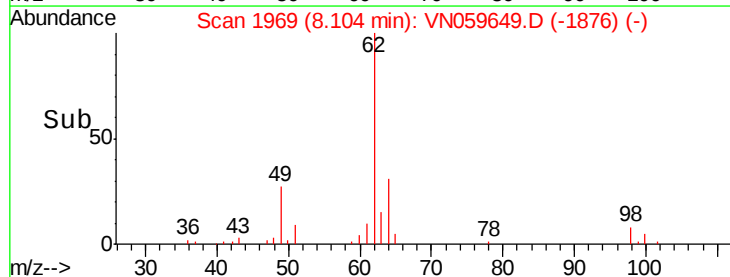
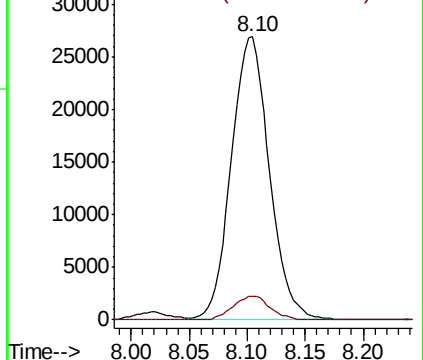
Acq: 18 Dec 2019 14:53

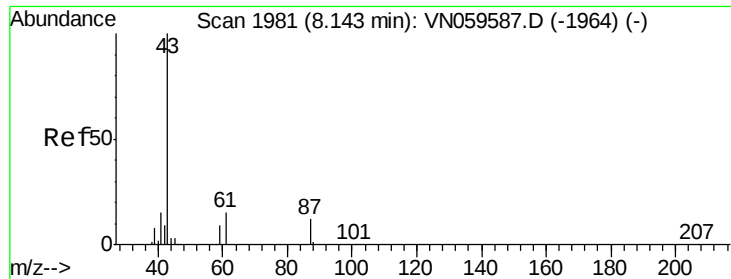
Tgt Ion: 62 Resp: 61495

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 13.998 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

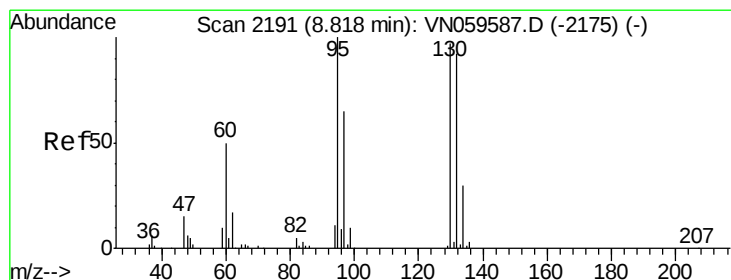
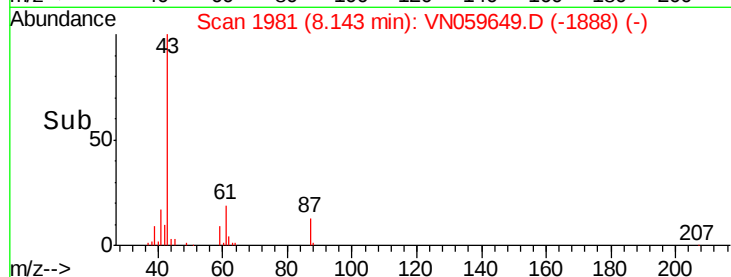
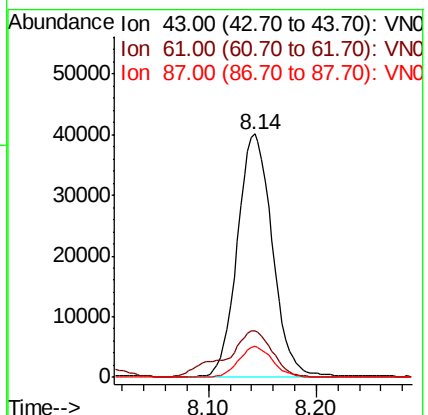
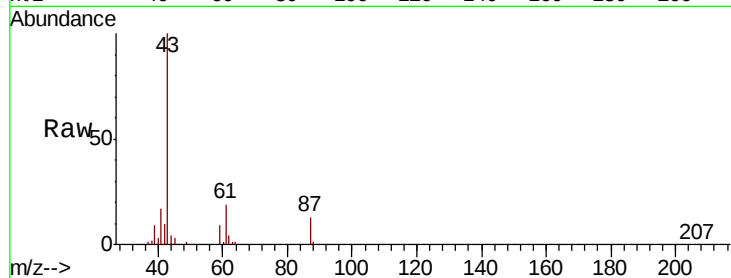
Tot Ion: 43 Resp: 90831

Ion Ratio Lower Upper

43 100

61 25.3 20.2 30.2

87 12.1 9.5 14.3



#44

Trichloroethene

Concen: 14.541 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059649.D

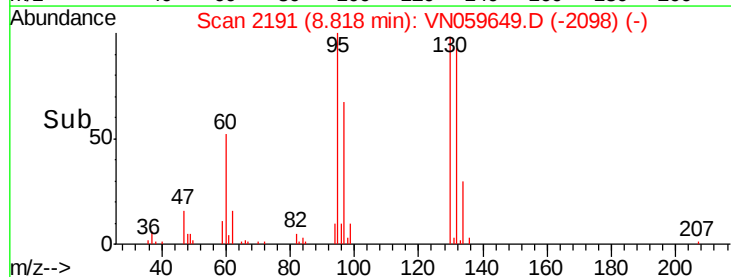
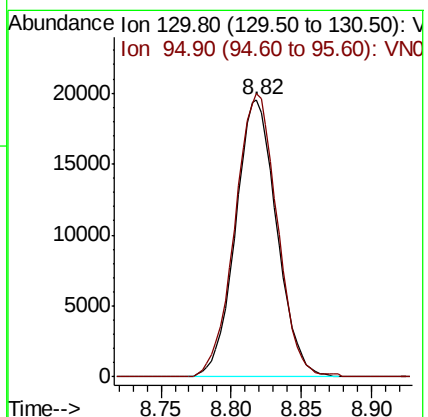
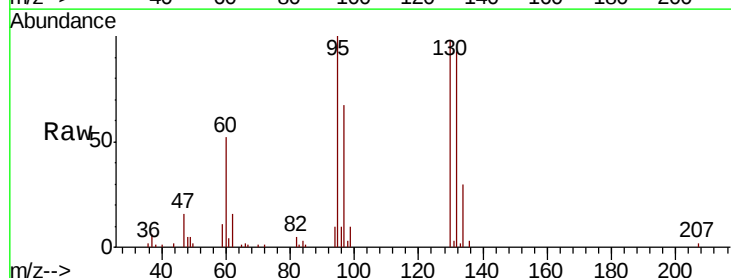
Acq: 18 Dec 2019 14:53

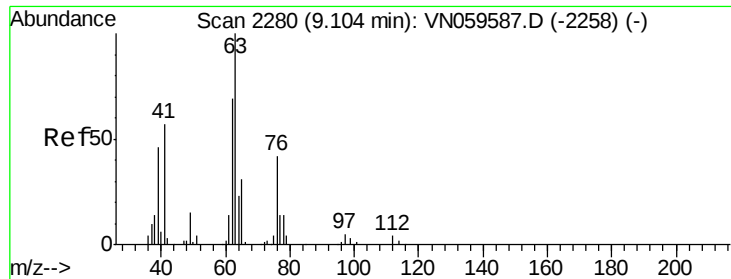
Tgt Ion: 130 Resp: 39970

Ion Ratio Lower Upper

130 100

95 102.0 0.0 207.0

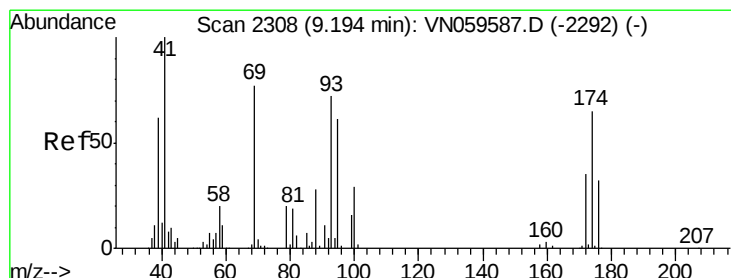
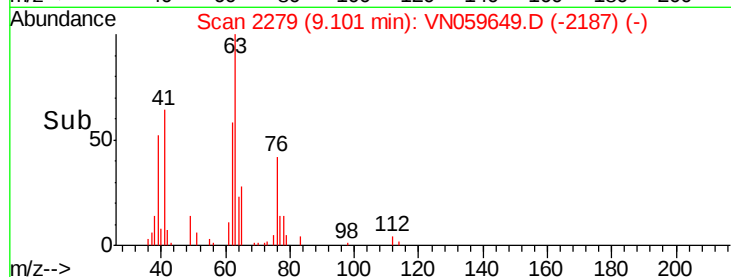
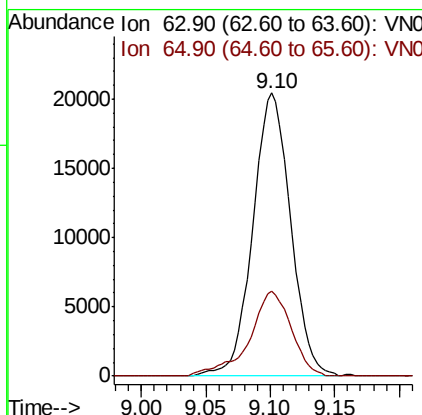
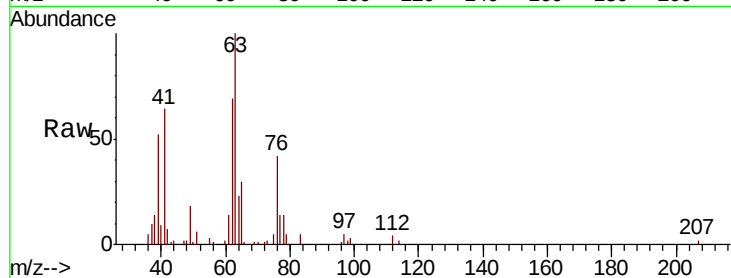




#45
 1,2-Dichloropropane
 Concen: 14.791 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

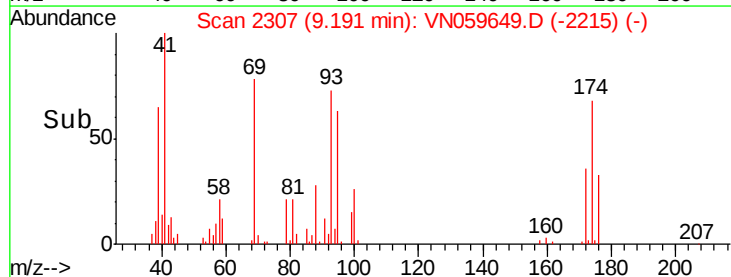
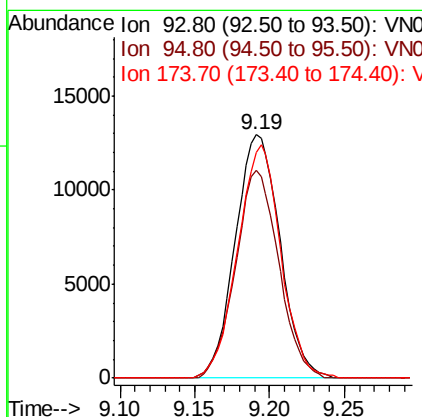
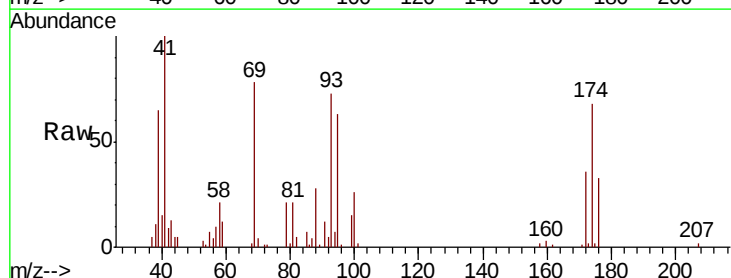
Instrument :
 MSVOA_N
 ClientSampleId :

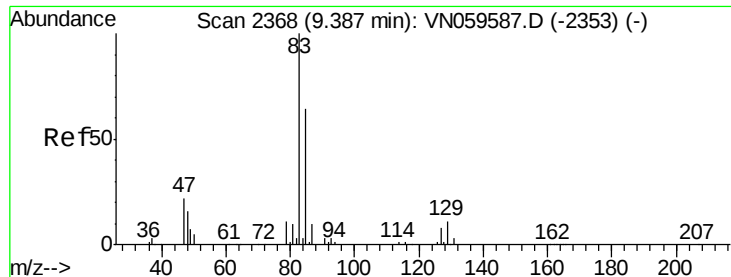
Tot Ion: 63 Resp: 41917
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.9 37.3



#46
 Dibromomethane
 Concen: 14.491 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion: 93 Resp: 26904
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.6
 174 92.6 73.4 110.2





#47

Bromodichloromethane

Concen: 14.803 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

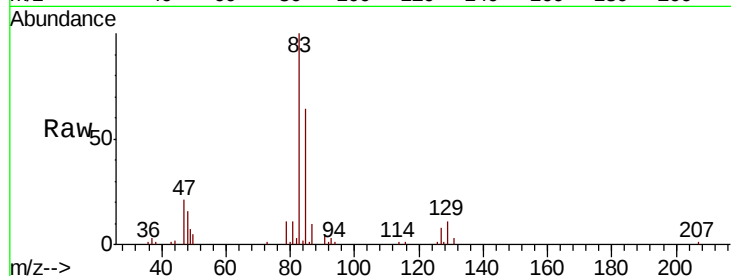
Tot Ion: 83 Resp: 54797

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

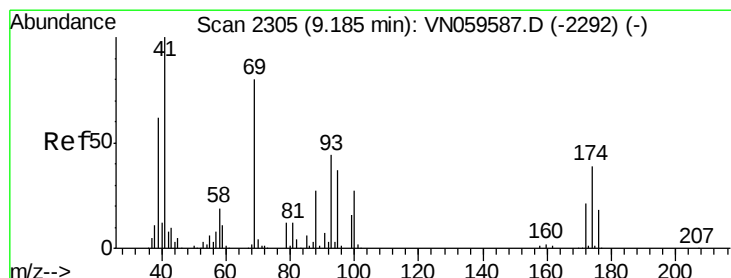
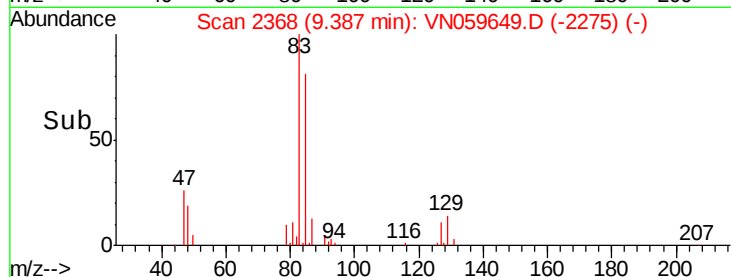
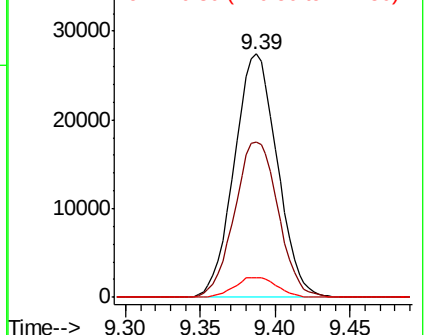
127 8.3 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059649.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059649.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059649.D (-2275) (-)



#48

Methyl methacrylate

Concen: 13.295 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

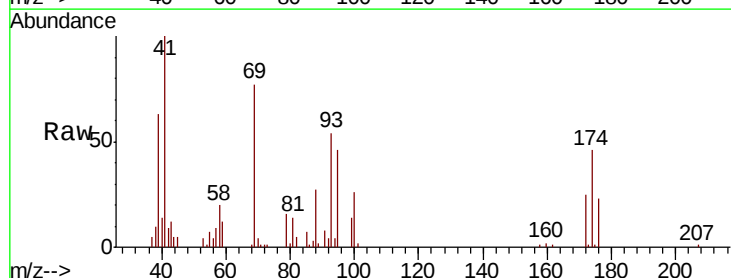
Tgt Ion: 41 Resp: 39141

Ion Ratio Lower Upper

41 100

69 80.7 64.4 96.6

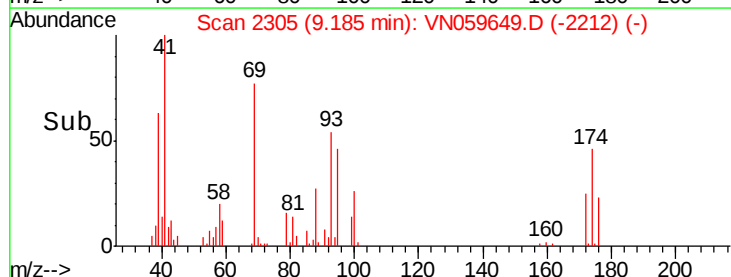
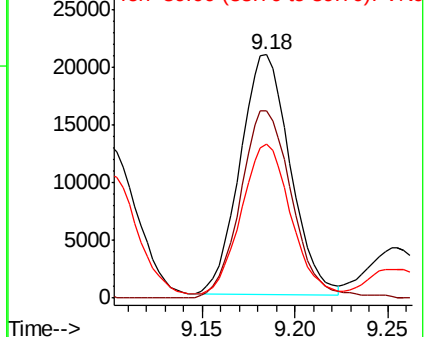
39 65.4 51.3 76.9

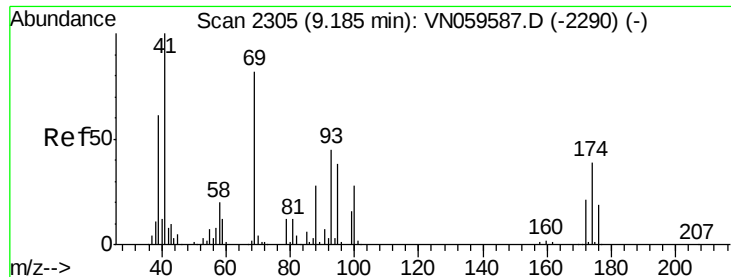


Abundance Ion 41.00 (40.70 to 41.70): VN059649.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059649.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059649.D (-2212) (-)

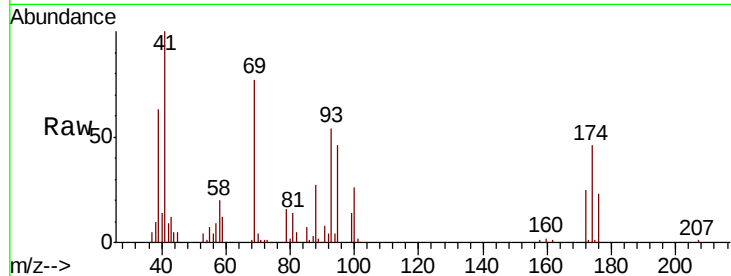




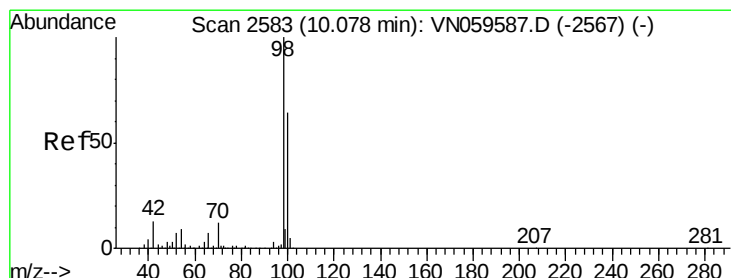
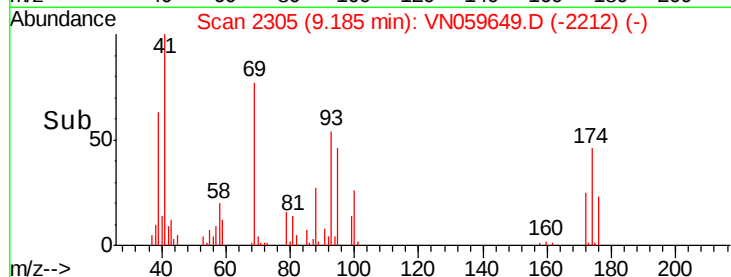
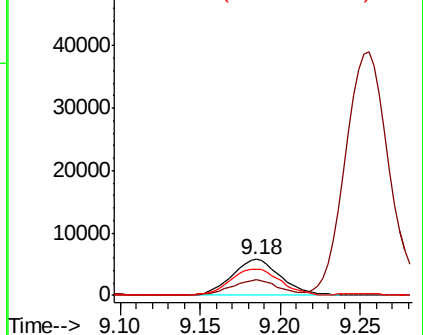
#49
1,4-Dioxane
Concen: 283.831 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 11975
Ion Ratio Lower Upper
88 100
43 41.7 29.7 44.5
58 75.2 56.6 85.0

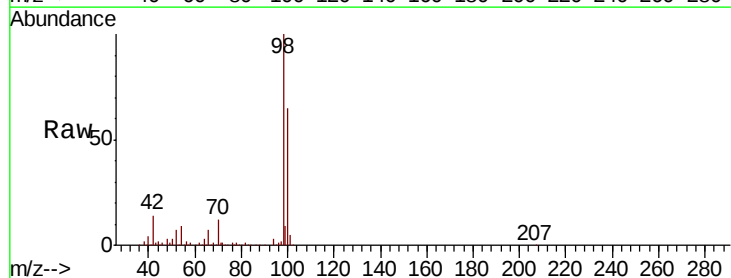


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

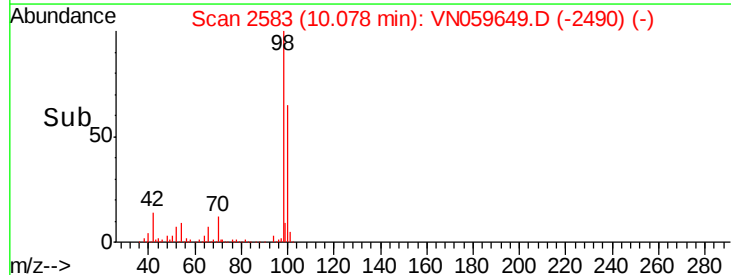
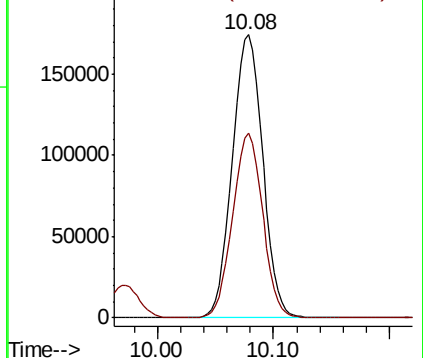


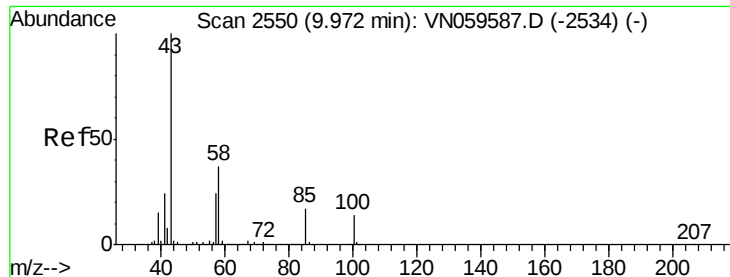
#50
Toluene-d8
Concen: 37.249 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 98 Resp: 317742
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



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: 72.204 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

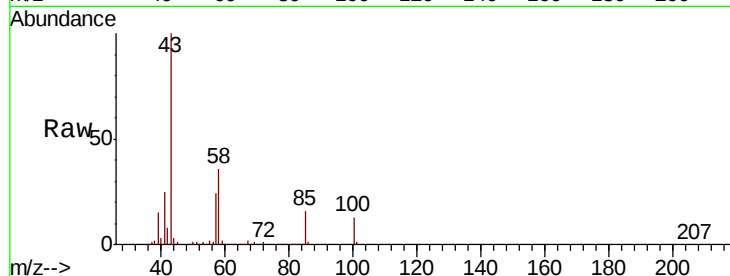
ClientSampleId :

Tot Ion: 43 Resp: 279352

Ion Ratio Lower Upper

43 100

58 36.5 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.97

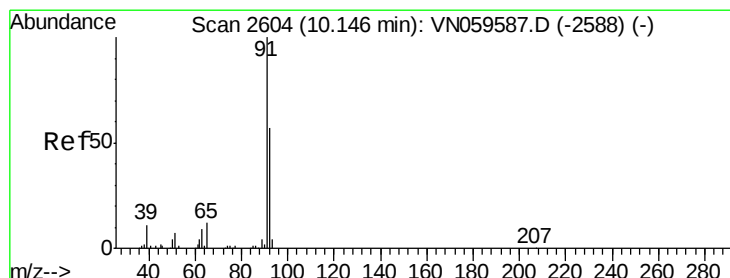
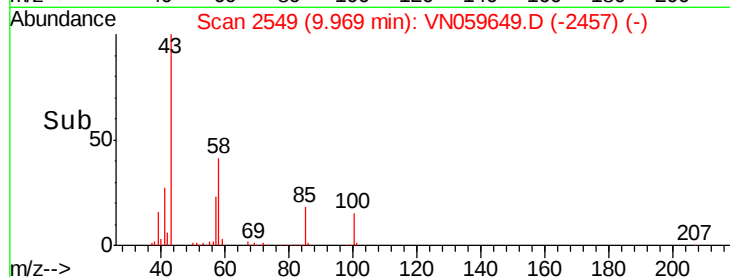
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 14.121 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059649.D

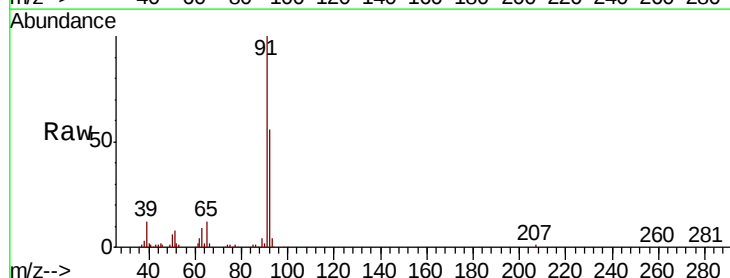
Acq: 18 Dec 2019 14:53

Tgt Ion: 92 Resp: 91057

Ion Ratio Lower Upper

92 100

91 179.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

10.14

100000

80000

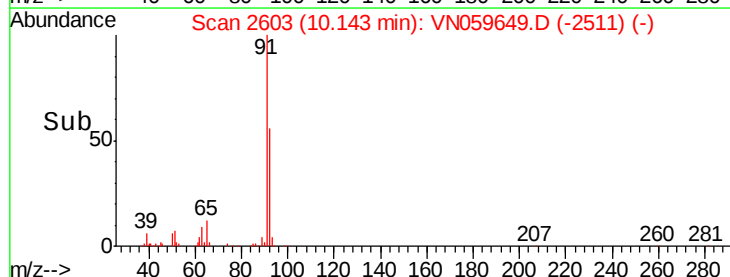
60000

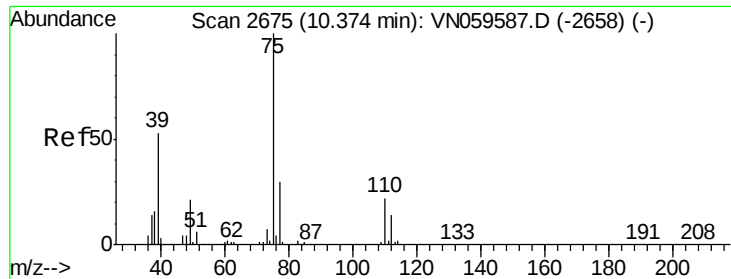
40000

20000

0

Time-->

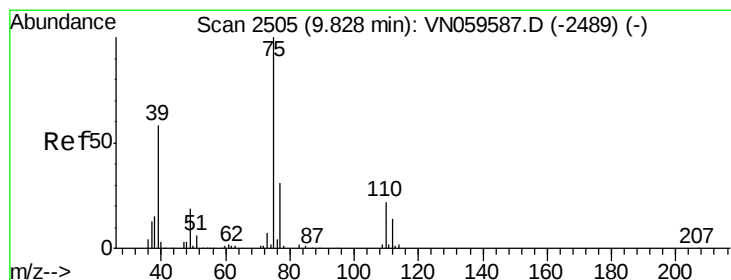
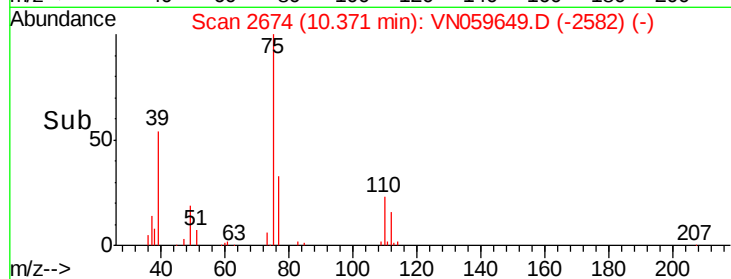
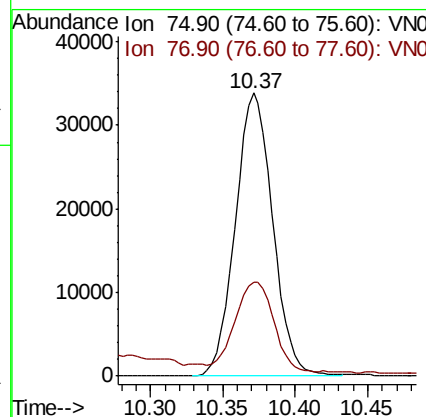
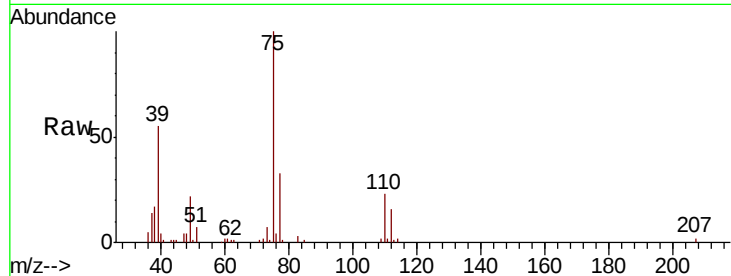




#53
t-1,3-Dichloropropene
Concen: 14.194 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

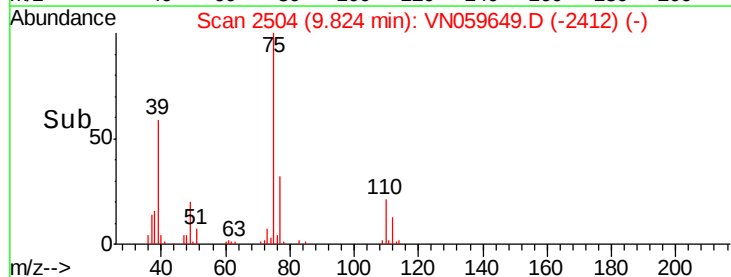
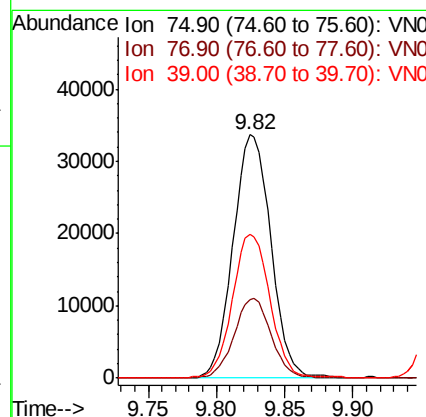
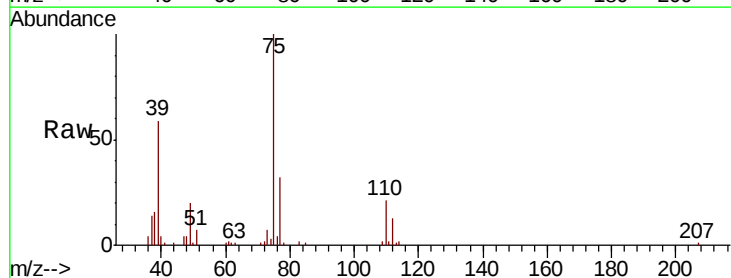
Instrument :
MSVOA_N
ClientSampled :

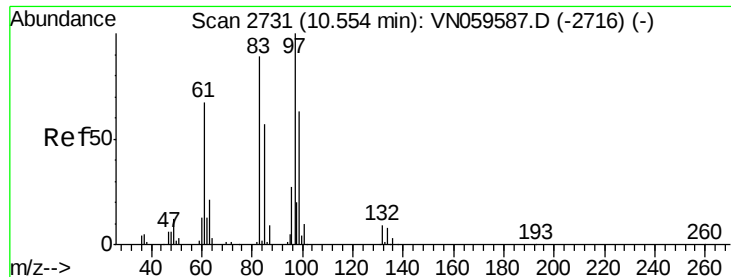
Tot Ion: 75 Resp: 60765
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 14.379 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 75 Resp: 64708
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7
39 58.8 46.1 69.1

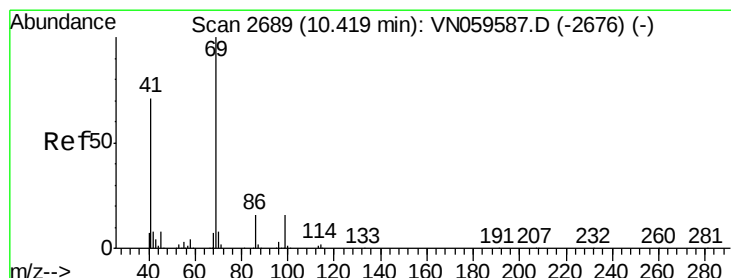
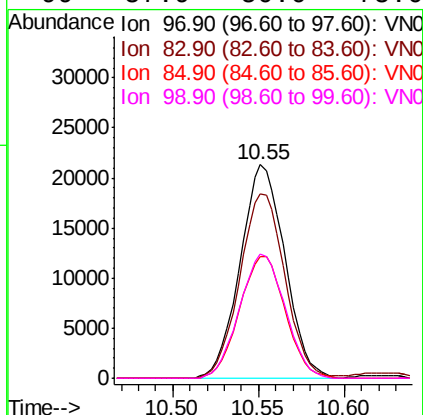
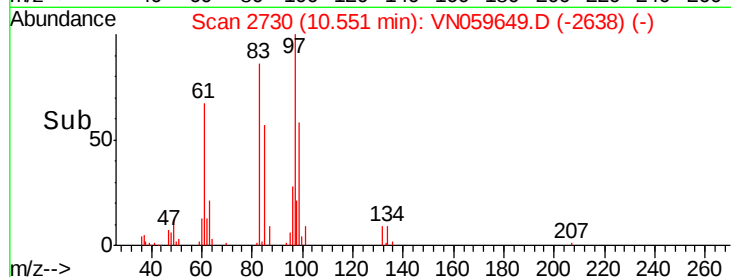
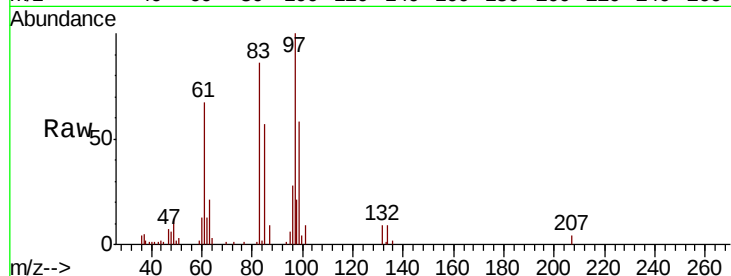




#55
 1,1,2-Trichloroethane
 Concen: 15.182 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

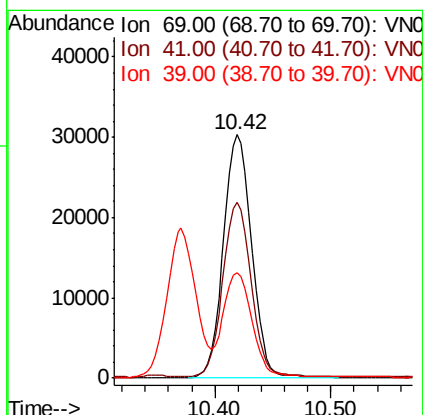
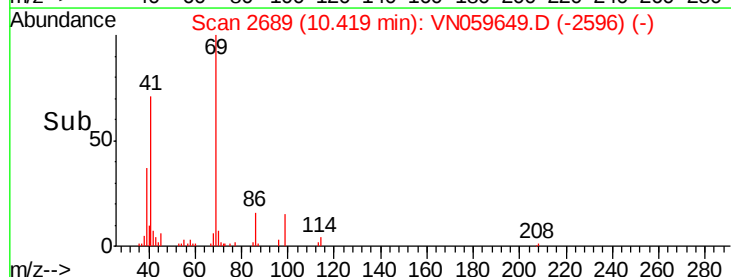
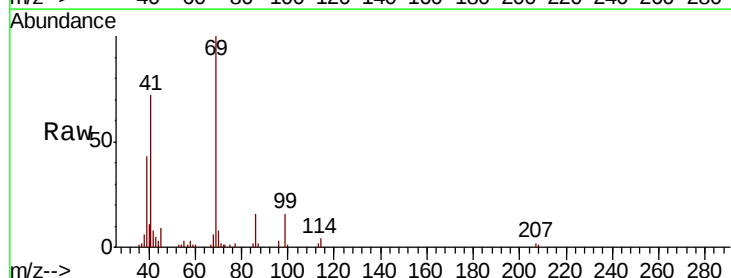
Instrument :
 MSVOA_N
 ClientSampleId :

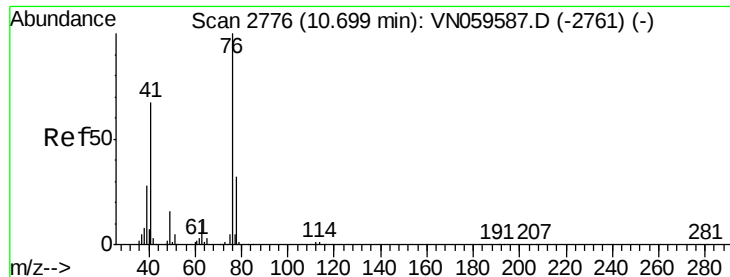
Tot Ion:	97	Resp:	38415
Ion	Ratio	Lower	Upper
97	100		
83	86.5	71.3	106.9
85	56.7	45.8	68.8
99	57.9	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 13.598 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion:	69	Resp:	51080
Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.1	85.7
39	43.8	34.7	52.1





#57

1,3-Dichloropropane

Concen: 14.764 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

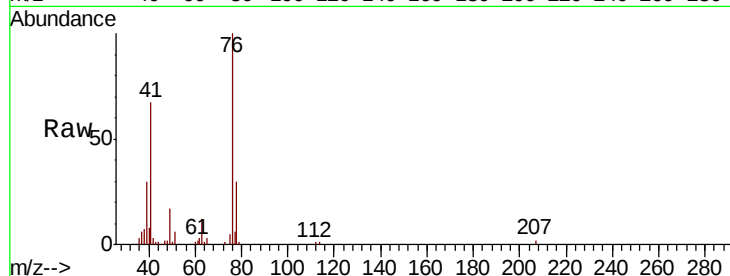
ClientSampled :

Tot Ion: 76 Resp: 65045

Ion Ratio Lower Upper

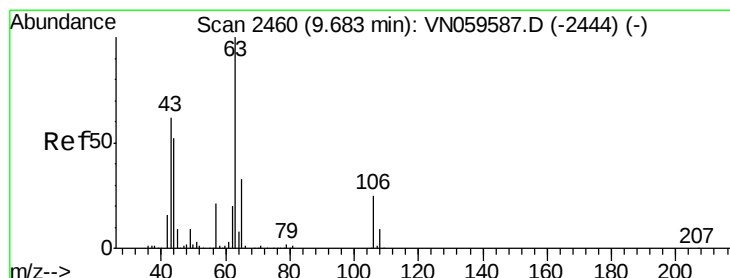
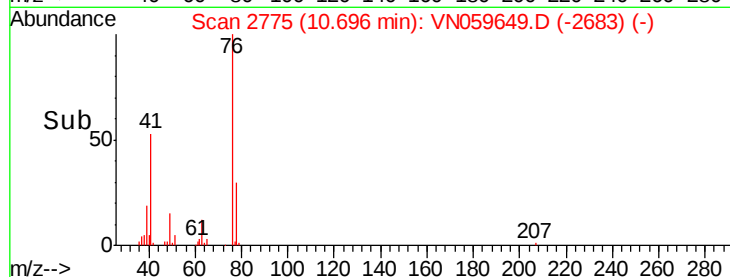
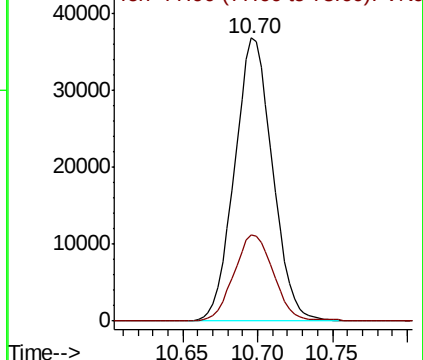
76 100

78 31.8 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: 50.182 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059649.D

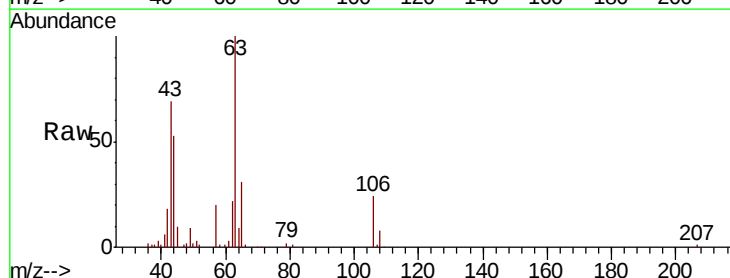
Acq: 18 Dec 2019 14:53

Tgt Ion: 63 Resp: 59950

Ion Ratio Lower Upper

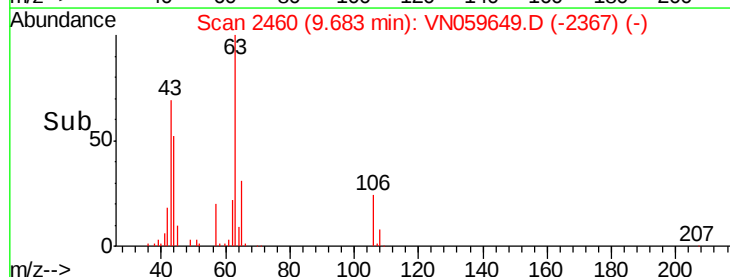
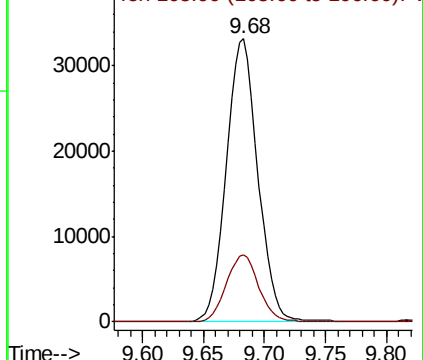
63 100

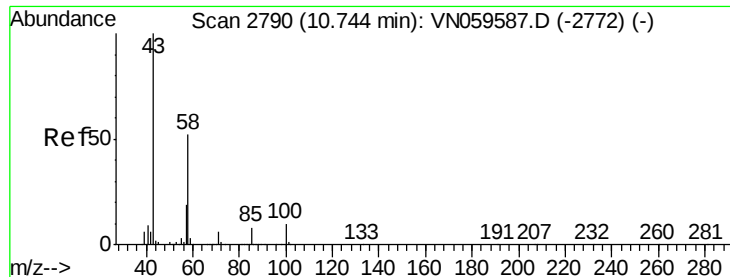
106 24.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

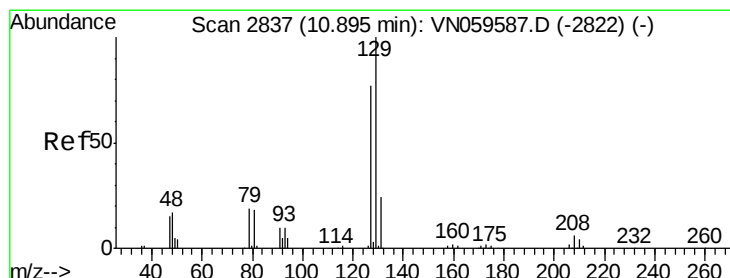
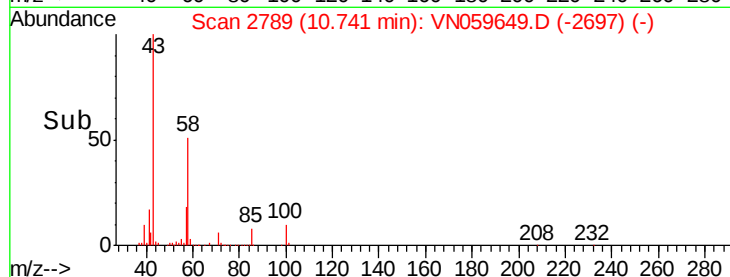
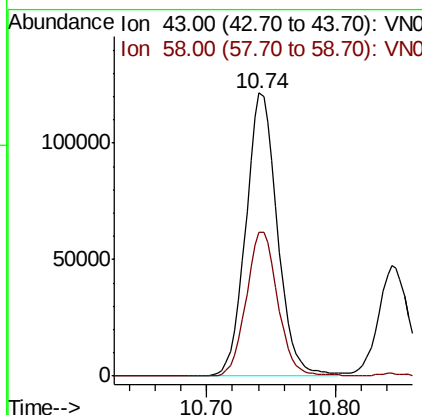
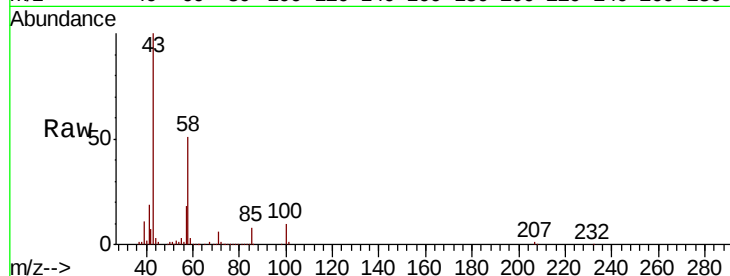




#59
2-Hexanone
Concen: 67.619 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

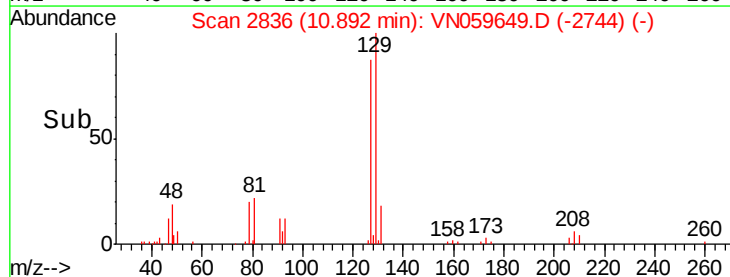
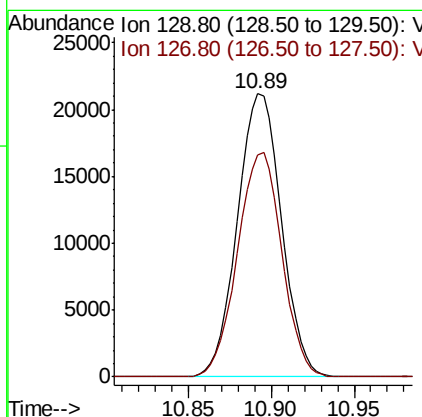
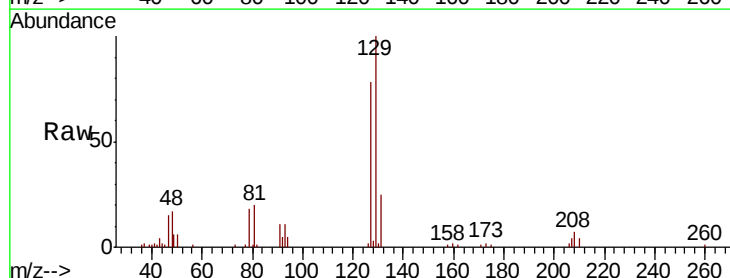
Instrument :
MSVOA_N
ClientSampled :

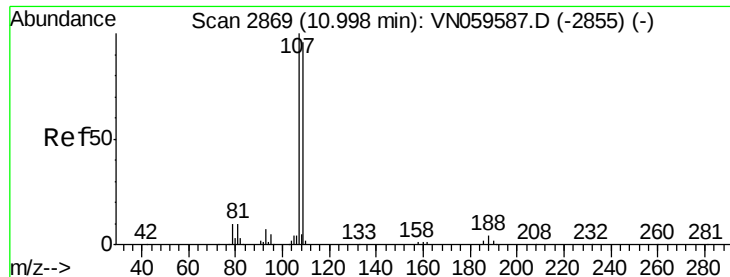
Tot Ion: 43 Resp: 206188
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.3



#60
Dibromochloromethane
Concen: 14.175 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion: 129 Resp: 39145
Ion Ratio Lower Upper
129 100
127 79.6 38.5 115.5

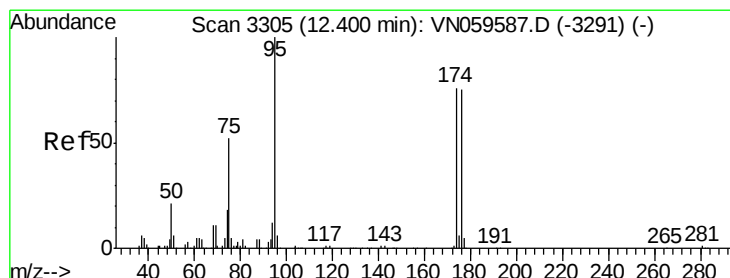
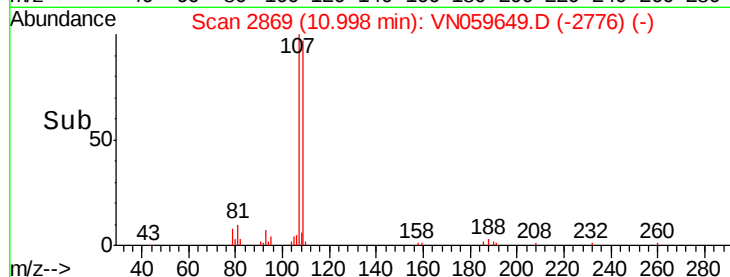
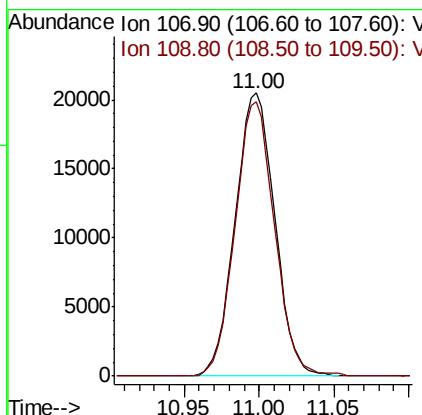
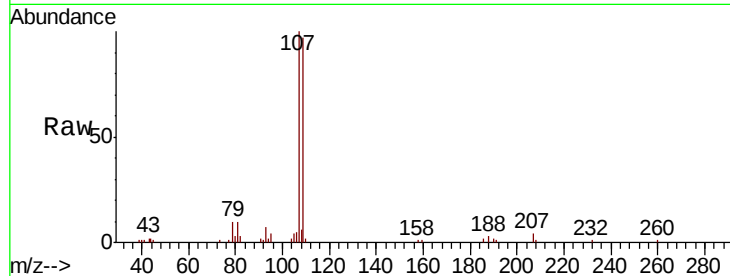




#61
 1,2-Dibromoethane
 Concen: 14.090 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

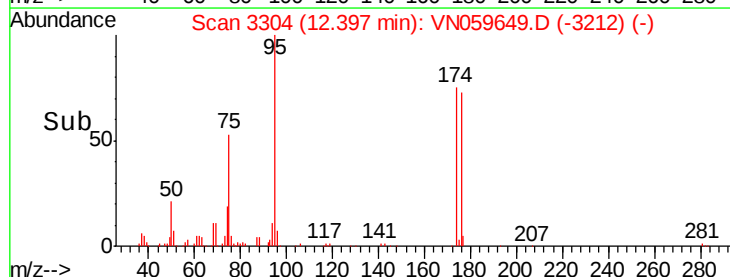
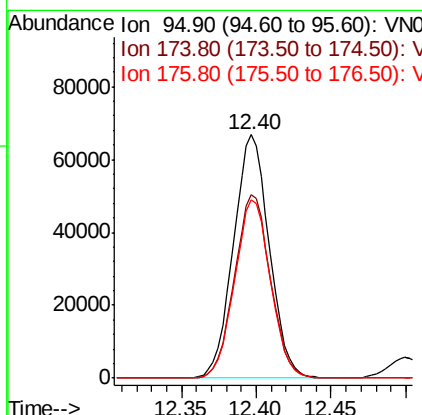
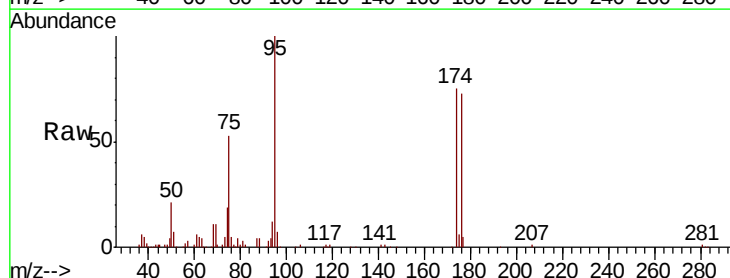
Instrument :
 MSVOA_N
 ClientSampleId :

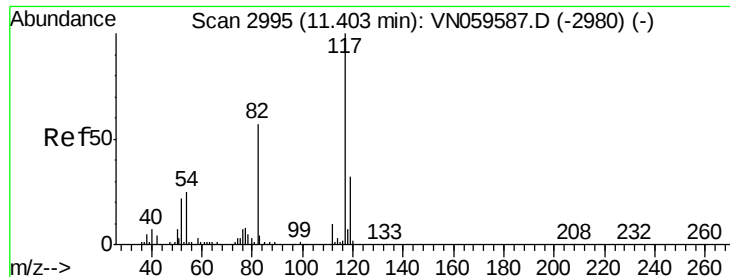
Tot Ion: 107 Resp: 37809
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 35.684 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion: 95 Resp: 111070
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 151.4
 176 73.6 0.0 146.0

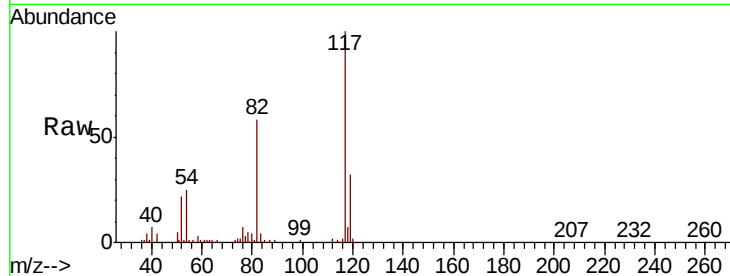




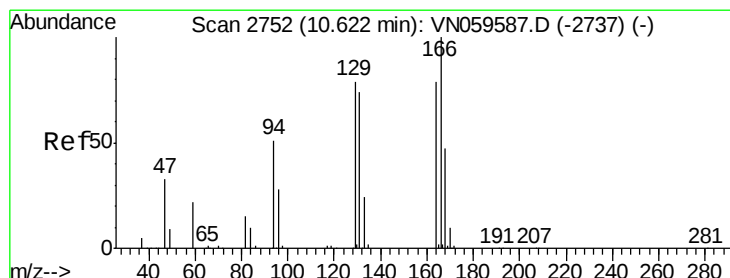
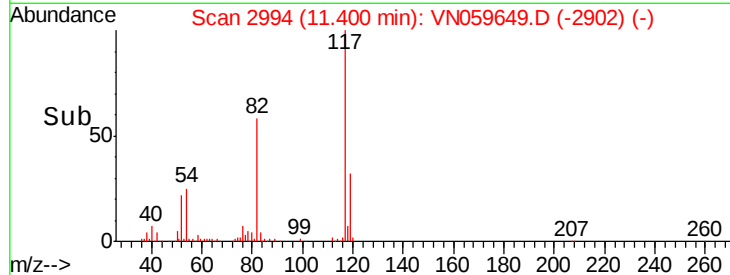
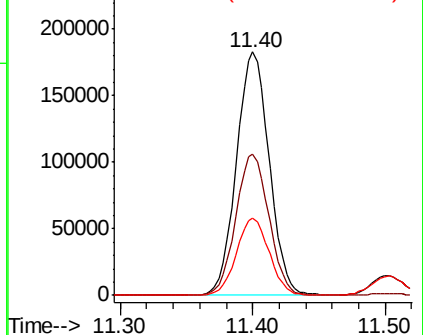
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 314376
Ion Ratio Lower Upper
117 100
82 58.2 45.9 68.9
119 31.7 25.5 38.3

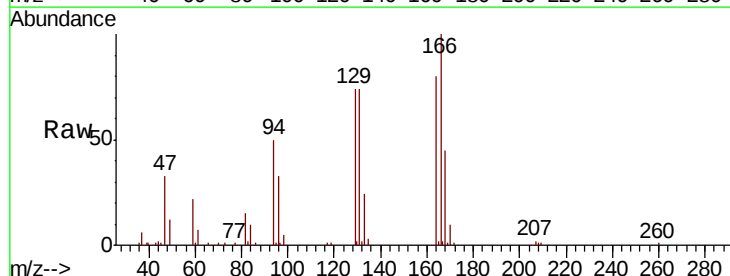


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

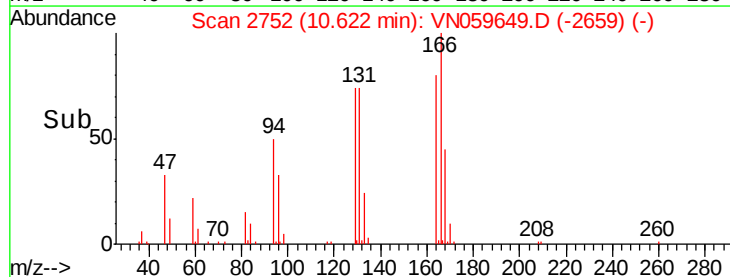
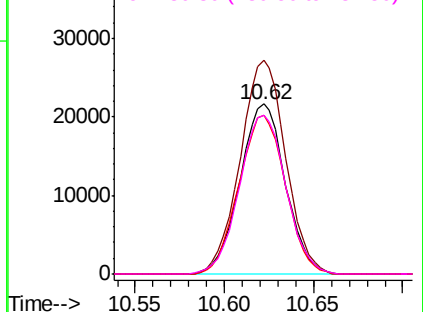


#64
Tetrachloroethene
Concen: 13.154 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion:164 Resp: 38550
Ion Ratio Lower Upper
164 100
166 125.5 101.4 152.0
129 93.2 80.2 120.4
131 93.4 75.0 112.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 14.591 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

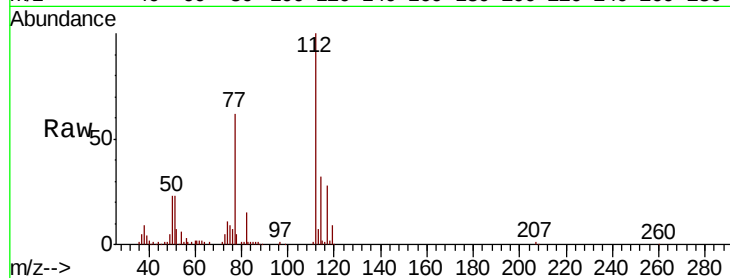
ClientSampleId :

Tot Ion:112 Resp: 99252

Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

60000

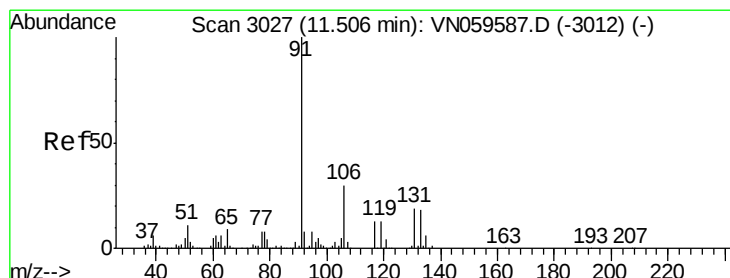
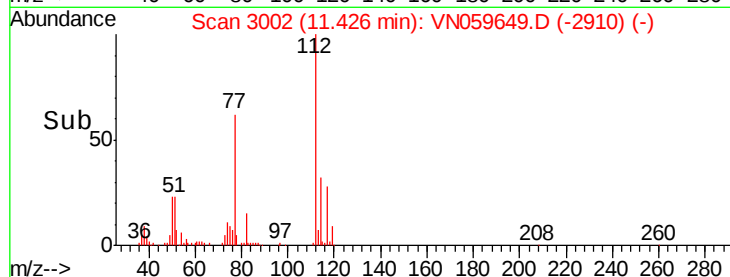
40000

20000

0

11.43

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 14.300 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.01 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

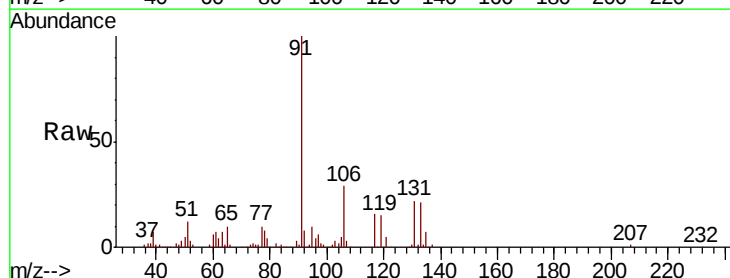
Tgt Ion:131 Resp: 36947

Ion Ratio Lower Upper

131 100

133 95.5 47.4 142.2

119 68.9 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

30000

25000

20000

15000

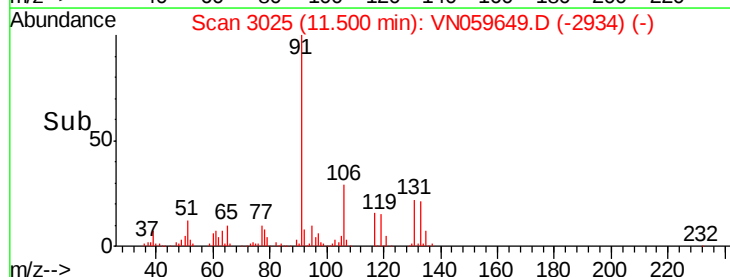
10000

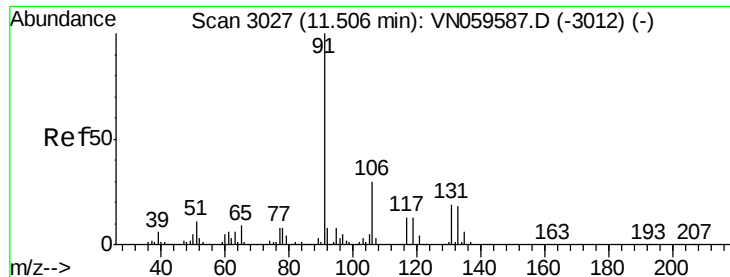
5000

0

11.50

Time-->





#67

Ethyl Benzene

Concen: 14.224 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

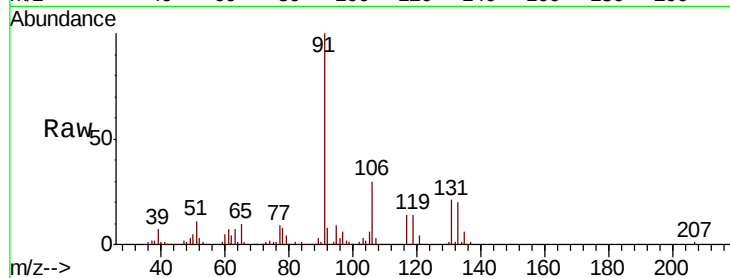
ClientSampled :

Tot Ion: 91 Resp: 174653

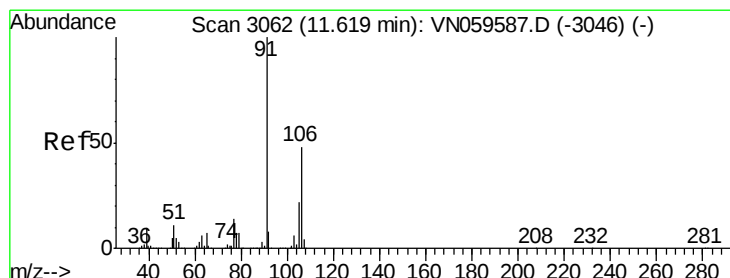
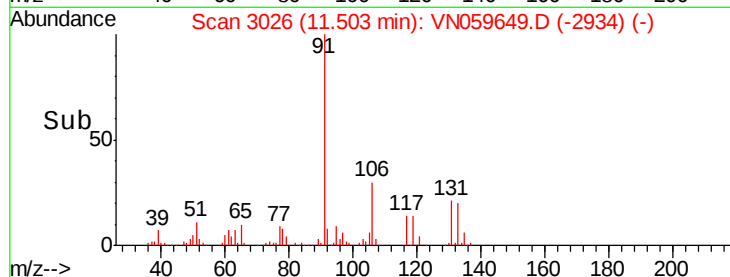
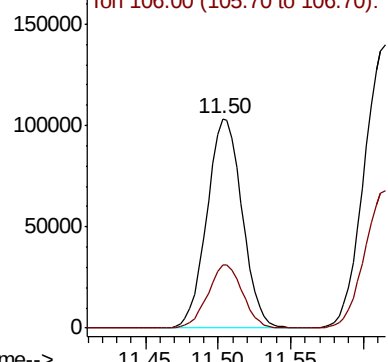
Ion Ratio Lower Upper

91 100

106 30.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)



#68

m/p-Xylenes

Concen: 28.323 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059649.D

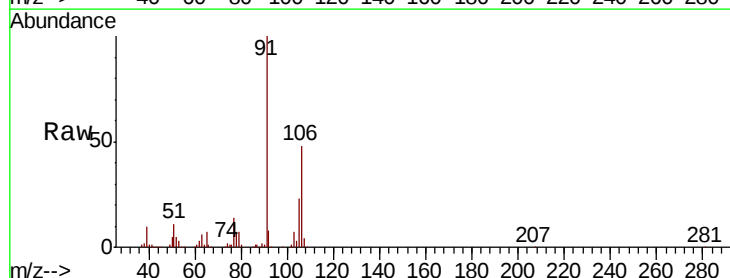
Acq: 18 Dec 2019 14:53

Tgt Ion: 106 Resp: 128418

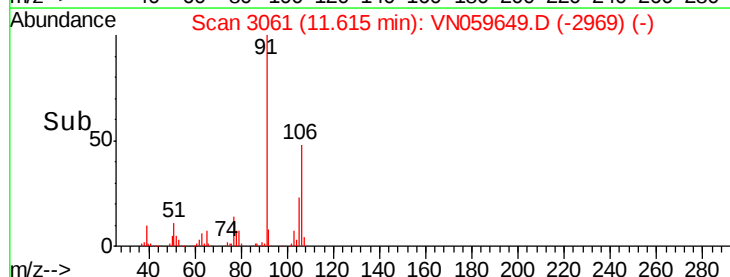
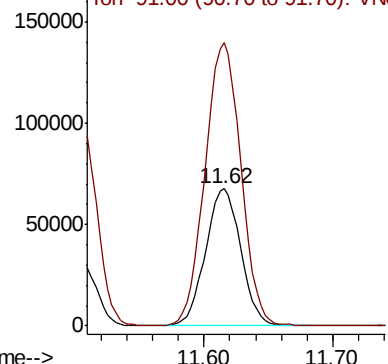
Ion Ratio Lower Upper

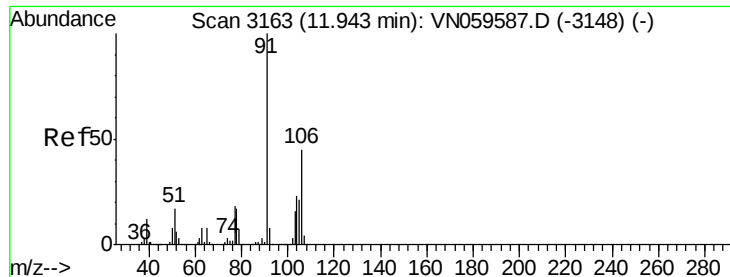
106 100

91 210.0 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

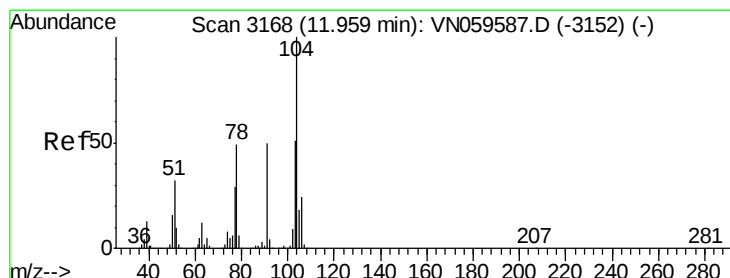
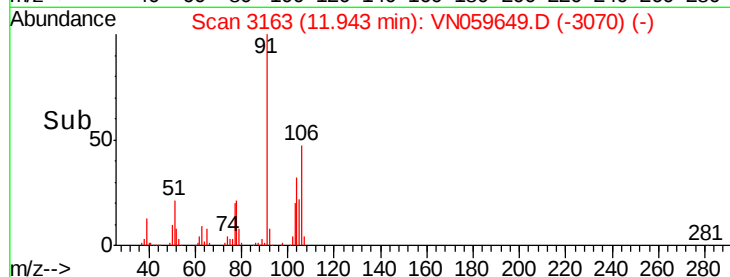
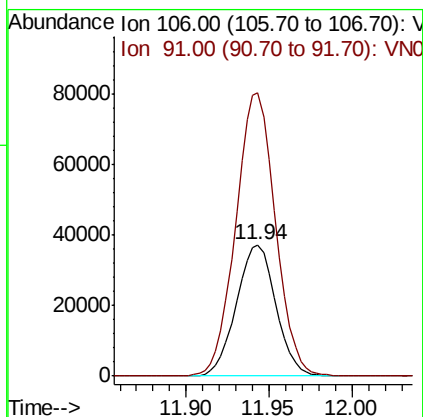
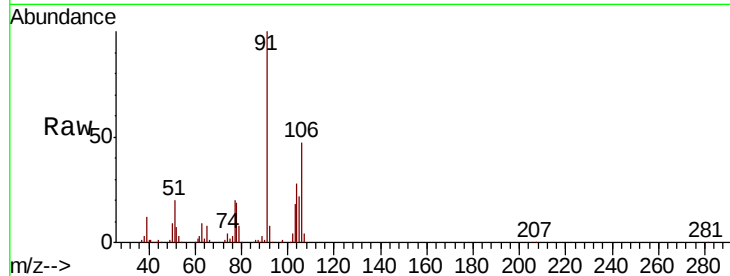




#69
o-Xylene
Concen: 14.311 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

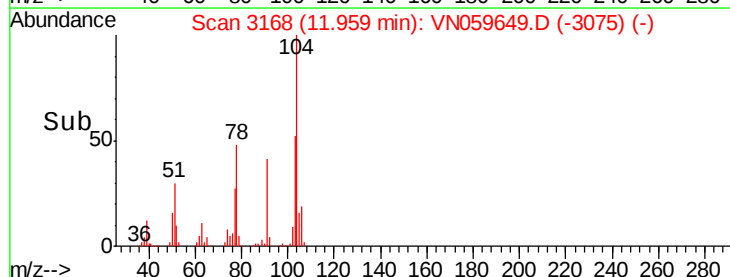
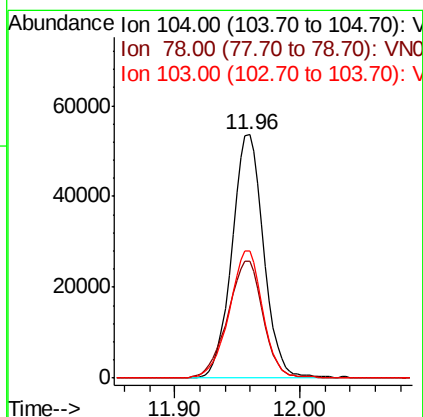
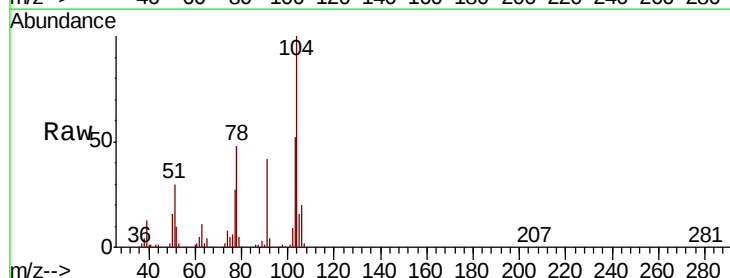
Instrument :
MSVOA_N
ClientSampleId :

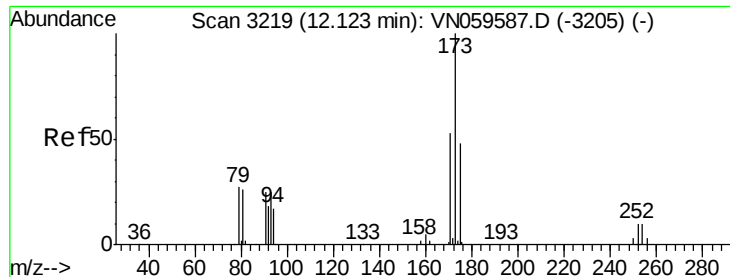
Tot Ion:106 Resp: 61742
Ion Ratio Lower Upper
106 100
91 216.5 110.3 330.9



#70
Styrene
Concen: 13.612 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion:104 Resp: 94350
Ion Ratio Lower Upper
104 100
78 53.6 42.4 63.6
103 55.3 43.9 65.9

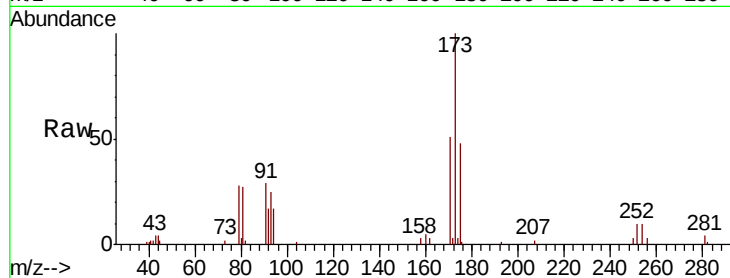




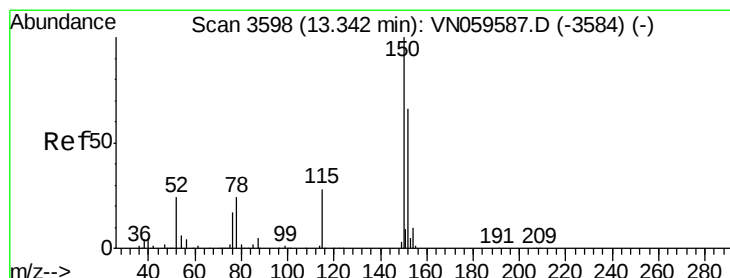
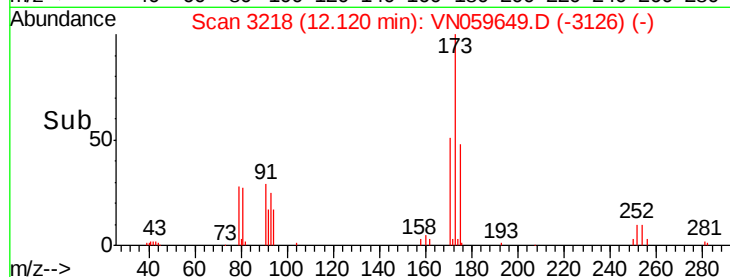
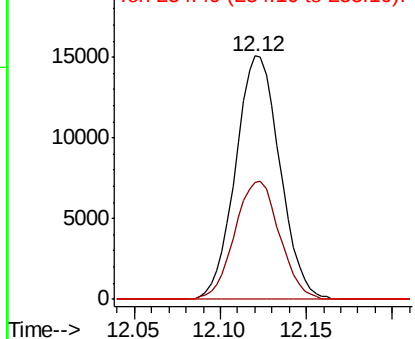
#71
Bromoform
Concen: 13.876 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 26950
Ion Ratio Lower Upper
173 100
175 49.0 23.8 71.4
254 0.0 0.0 0.0

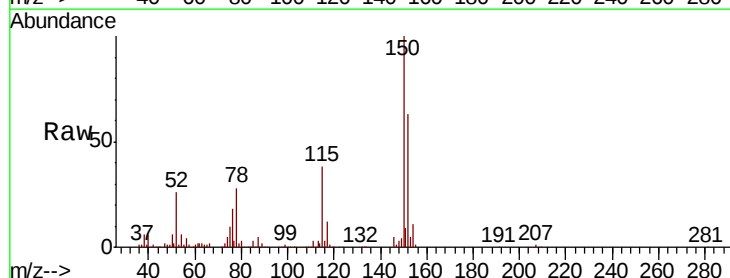


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

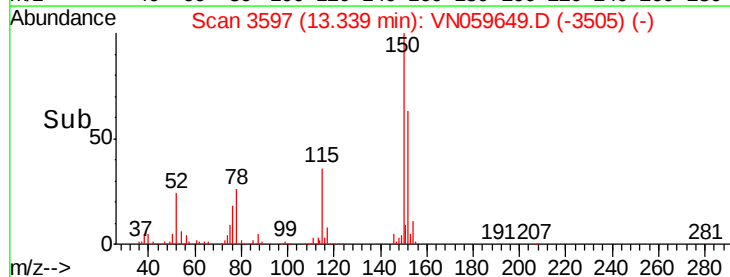
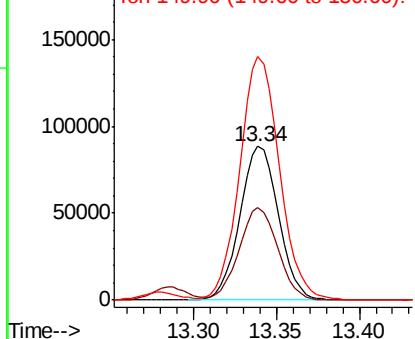


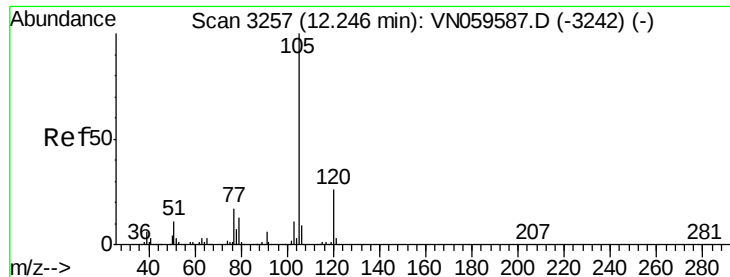
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion:152 Resp: 143682
Ion Ratio Lower Upper
152 100
115 60.6 30.3 90.9
150 162.6 0.0 345.2



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: 14.282 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

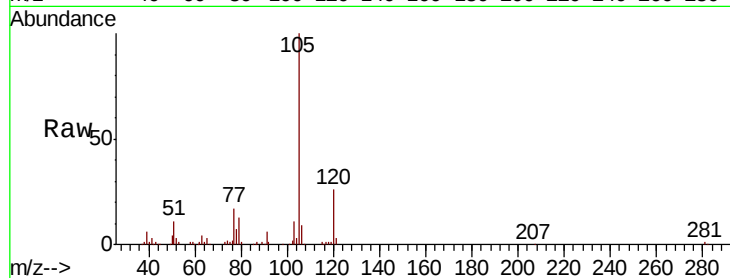
ClientSampled :

Tot Ion:105 Resp: 161086

Ion Ratio Lower Upper

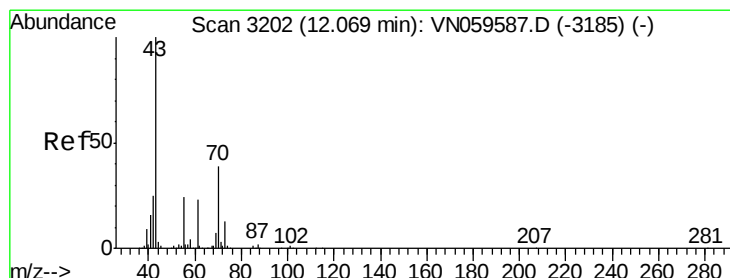
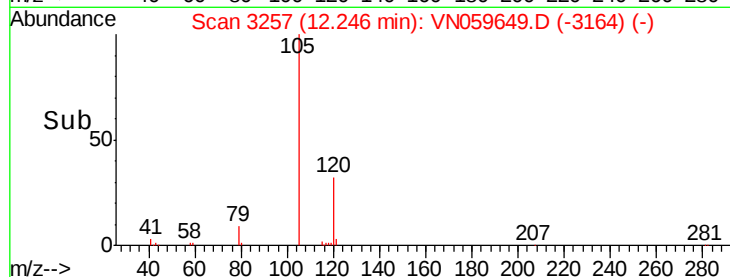
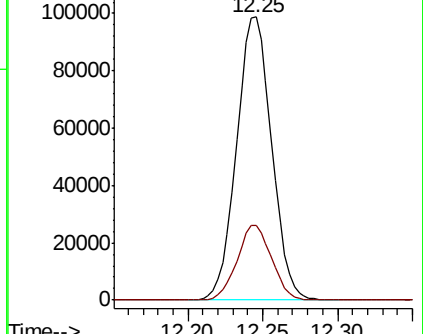
105 100

120 26.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 13.282 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Tgt Ion: 43 Resp: 68716

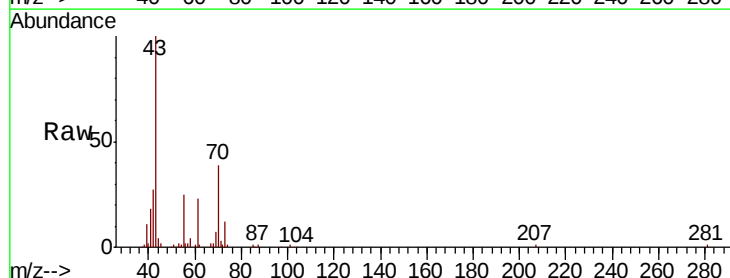
Ion Ratio Lower Upper

43 100

70 40.0 31.3 46.9

55 26.0 19.8 29.6

61 23.1 18.3 27.5

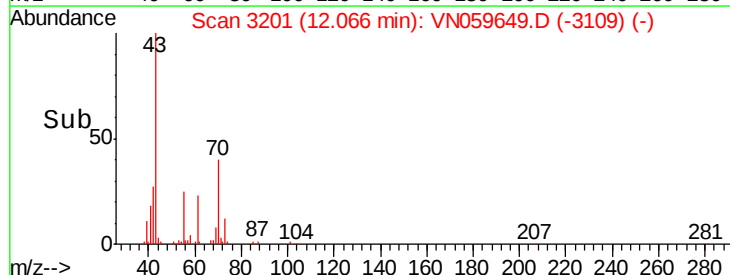
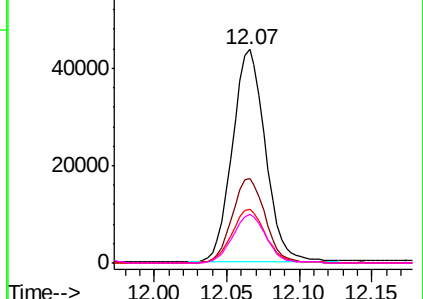


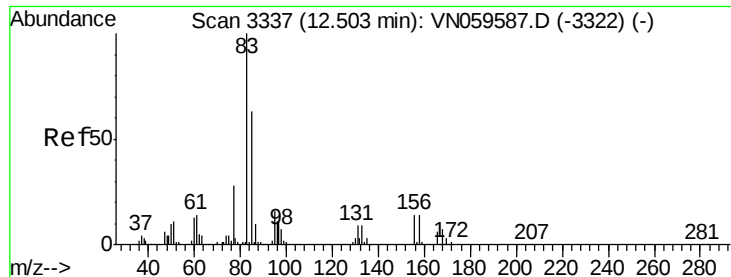
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 14.902 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

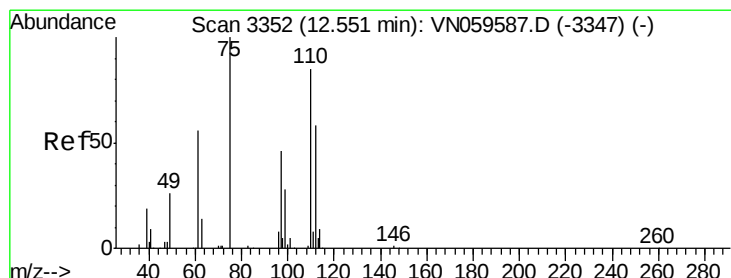
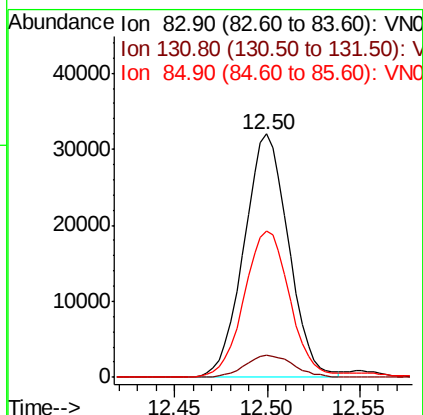
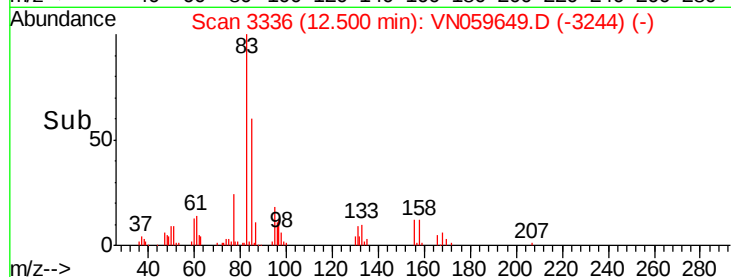
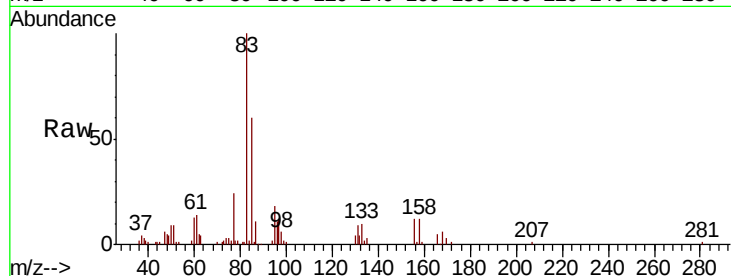
Tot Ion: 83 Resp: 53319

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

85 61.5 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 21.463 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN059649.D

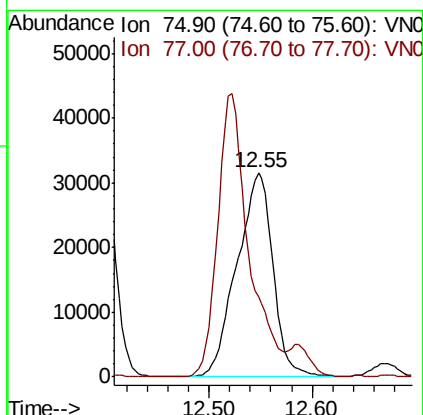
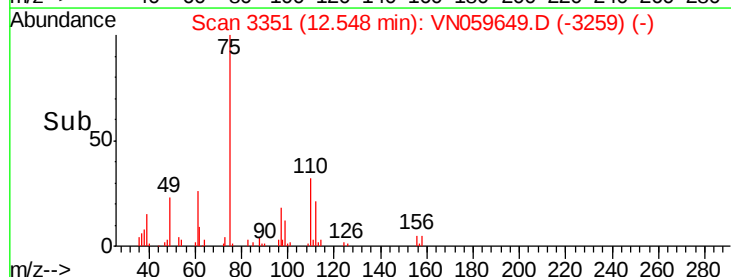
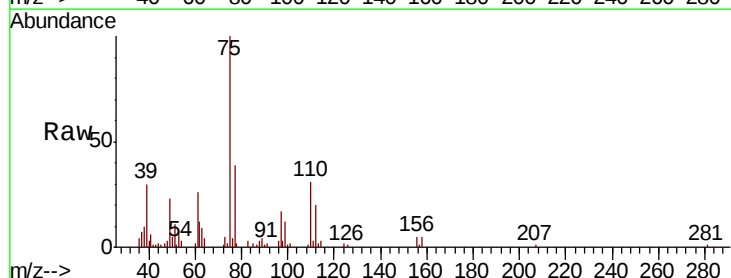
Acq: 18 Dec 2019 14:53

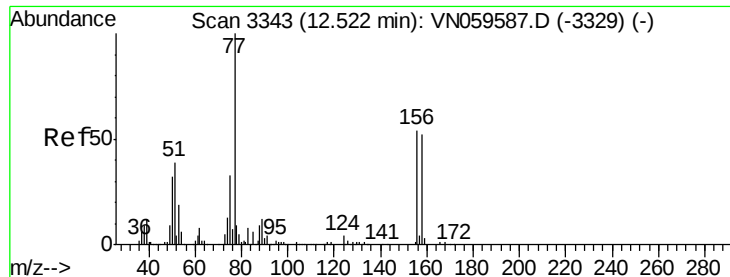
Tgt Ion: 75 Resp: 76341

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 14.083 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

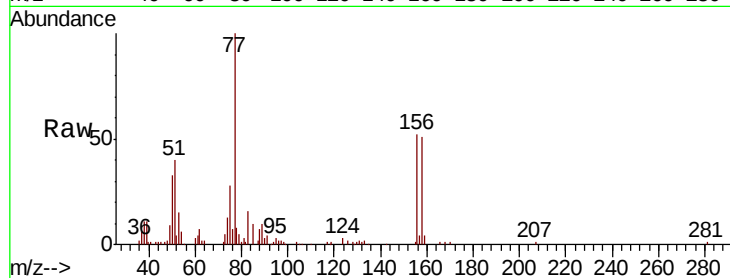
Tot Ion:156 Resp: 39063

Ion Ratio Lower Upper

156 100

77 235.3 115.8 347.4

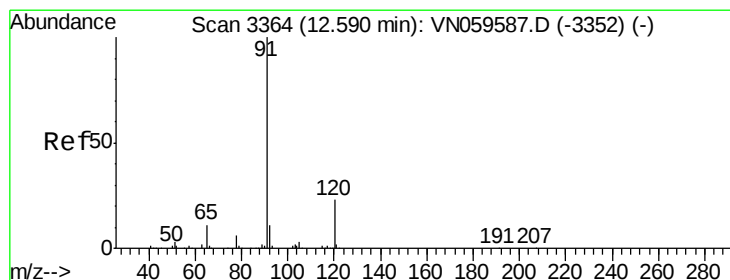
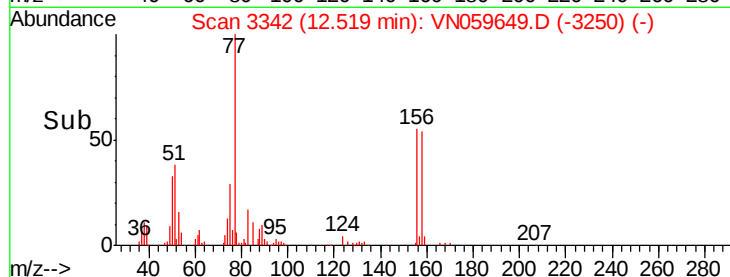
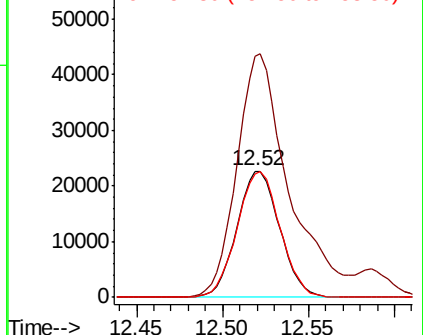
158 100.1 49.2 147.6



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: 14.425 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059649.D

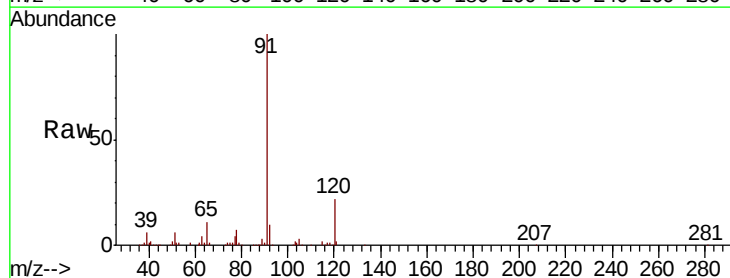
Acq: 18 Dec 2019 14:53

Tgt Ion: 91 Resp: 192331

Ion Ratio Lower Upper

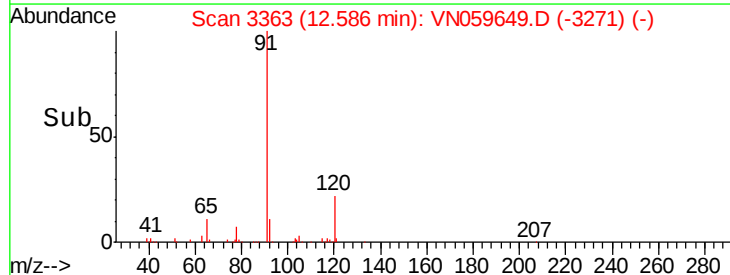
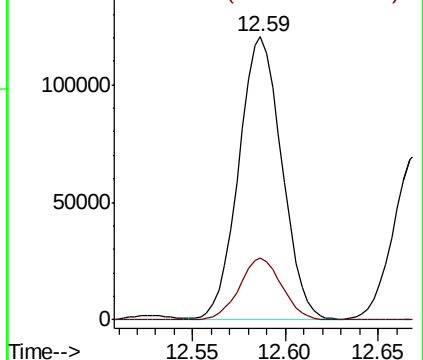
91 100

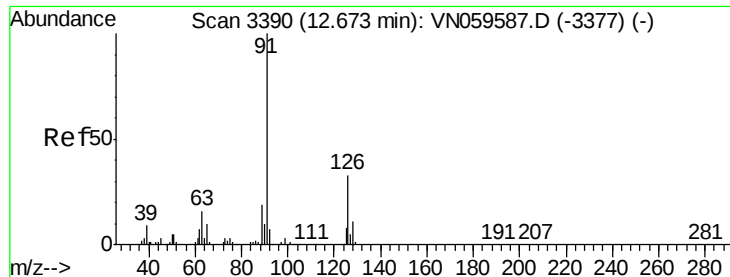
120 21.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

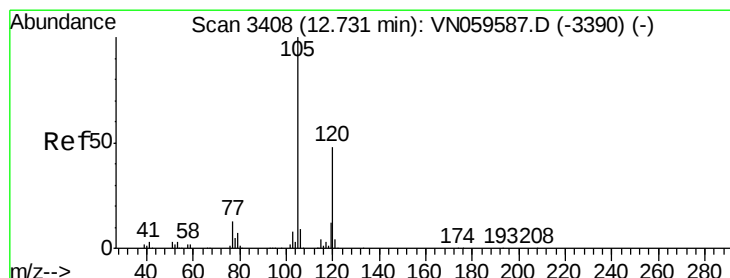
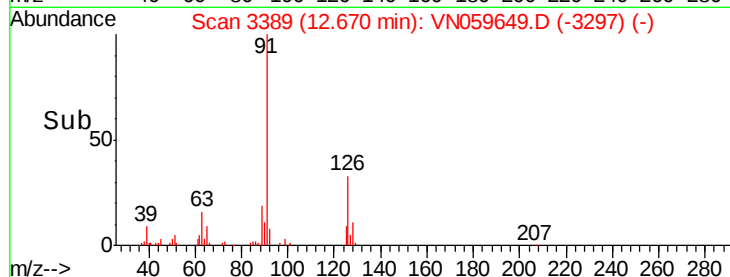
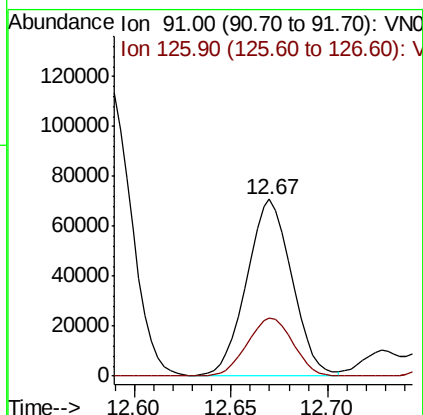
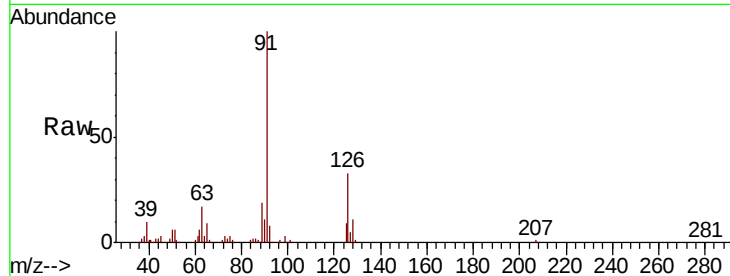




#79
 2-Chlorotoluene
 Concen: 14.176 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

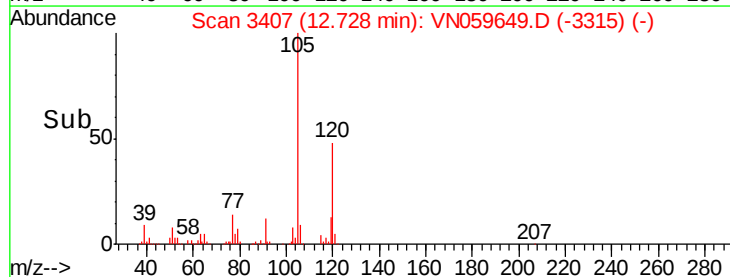
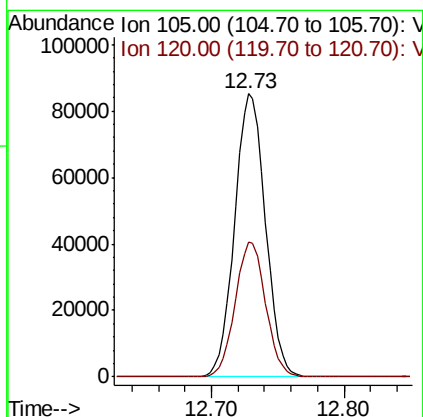
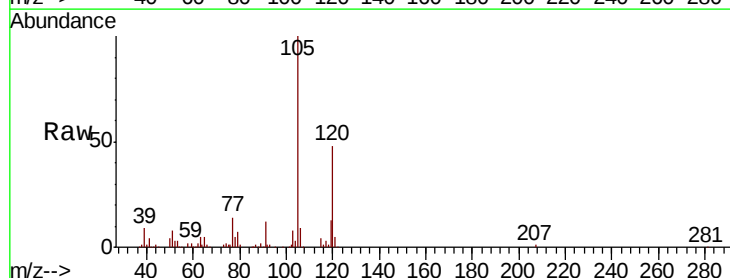
Instrument :
 MSVOA_N
 ClientSampleId :

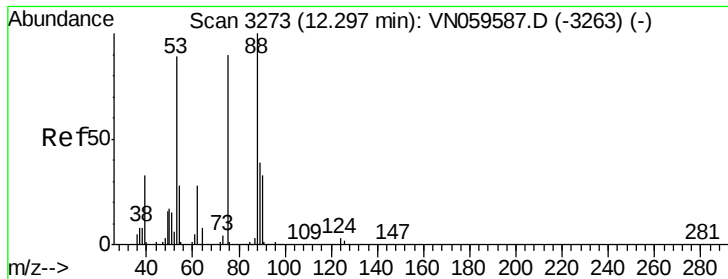
Tot Ion: 91 Resp: 114292
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 14.382 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN059649.D
 Acq: 18 Dec 2019 14:53

Tgt Ion: 105 Resp: 137279
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 13.215 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

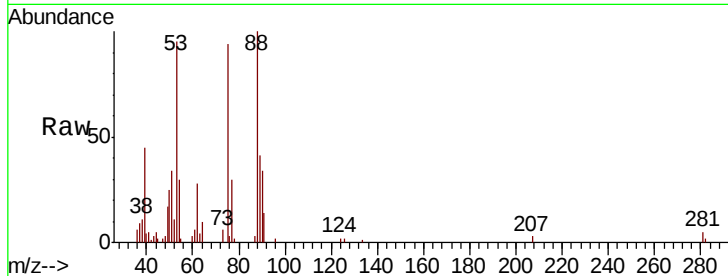
Tot Ion: 75 Resp: 19031

Ion Ratio Lower Upper

75 100

53 104.6 78.1 117.1

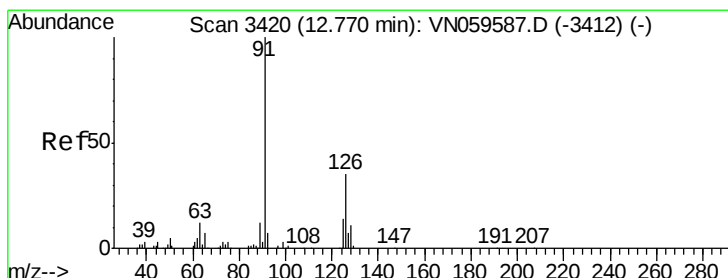
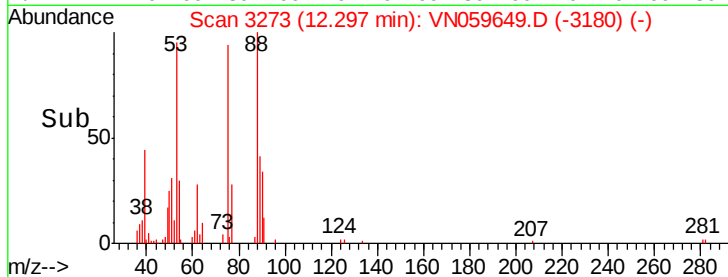
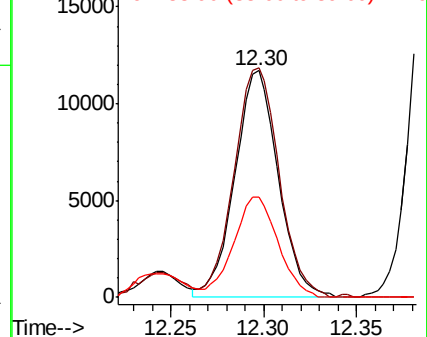
89 45.5 35.4 53.2



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: 14.155 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059649.D

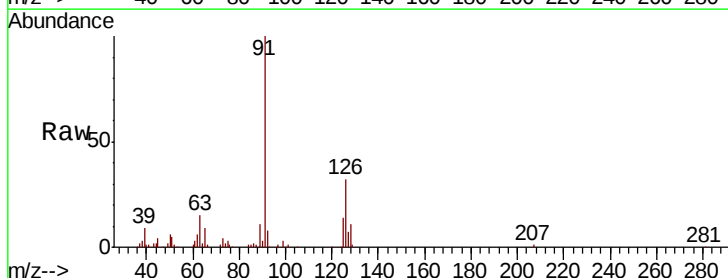
Acq: 18 Dec 2019 14:53

Tgt Ion: 91 Resp: 116844

Ion Ratio Lower Upper

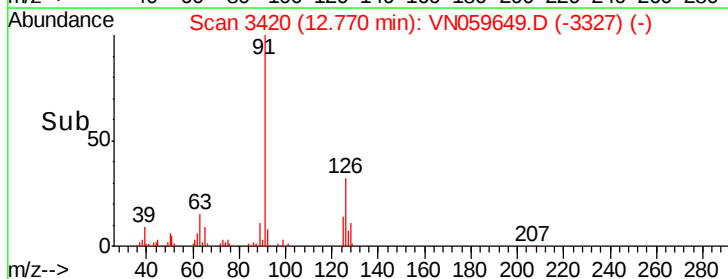
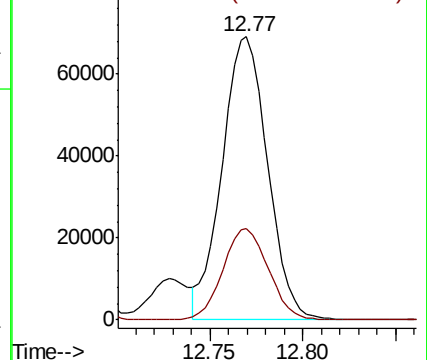
91 100

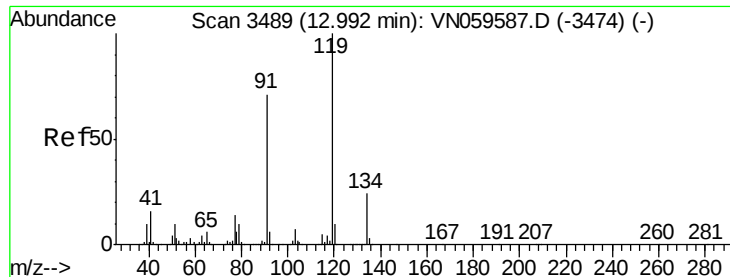
126 32.5 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

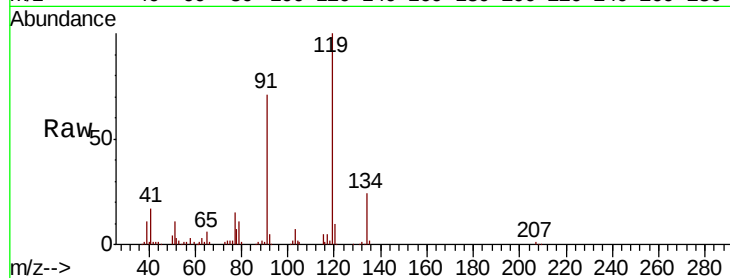




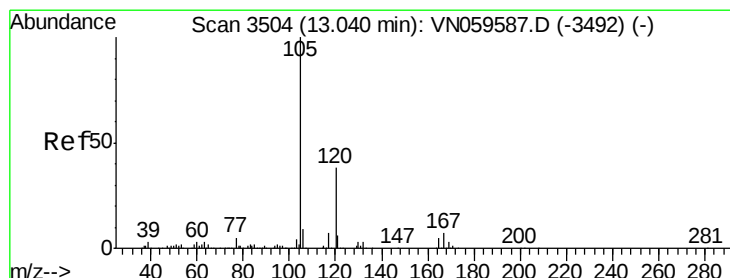
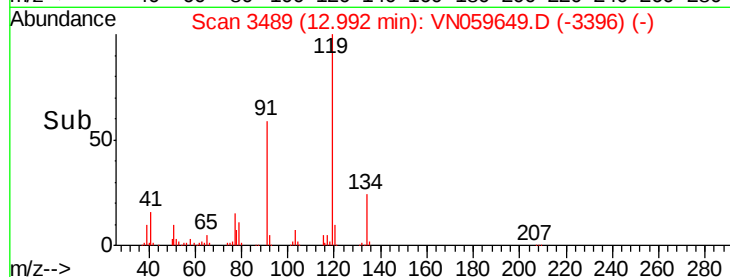
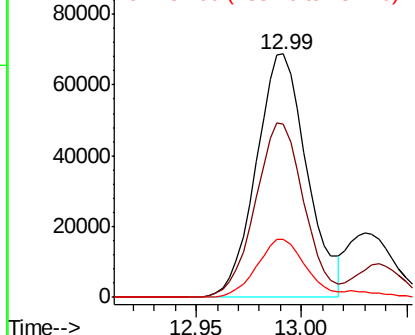
#83
tert-Butylbenzene
Concen: 14.242 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 115123
Ion Ratio Lower Upper
119 100
91 68.8 34.8 104.4
134 23.0 12.3 36.9

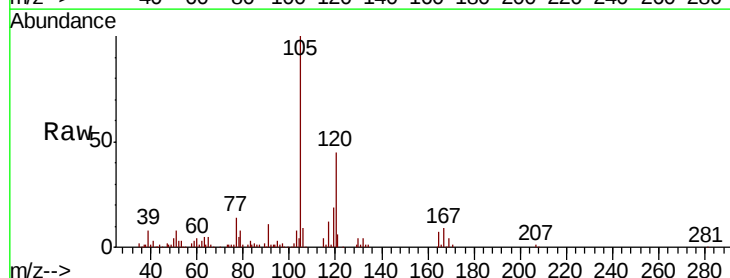


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

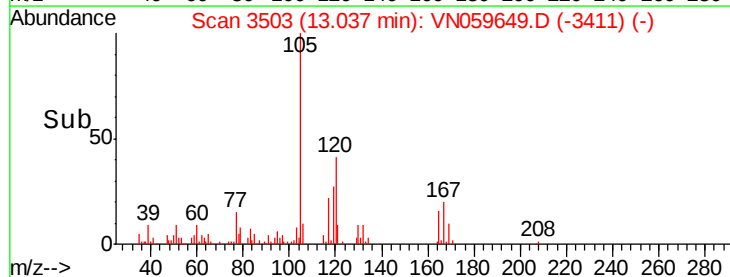
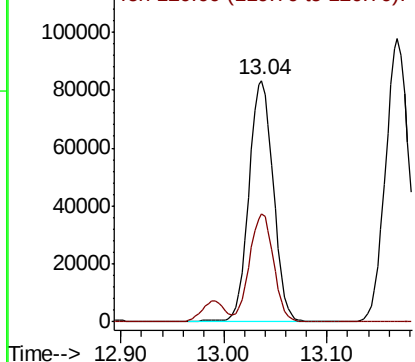


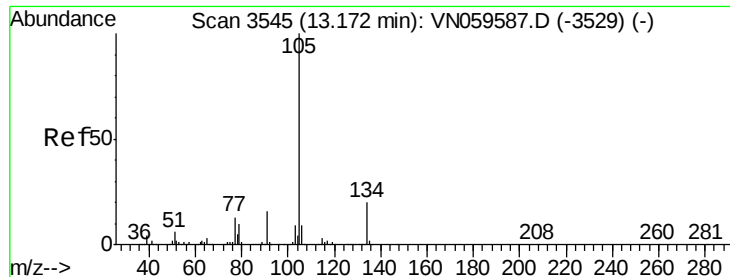
#84
1,2,4-Trimethylbenzene
Concen: 14.421 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion:105 Resp: 136866
Ion Ratio Lower Upper
105 100
120 44.0 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 14.372 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

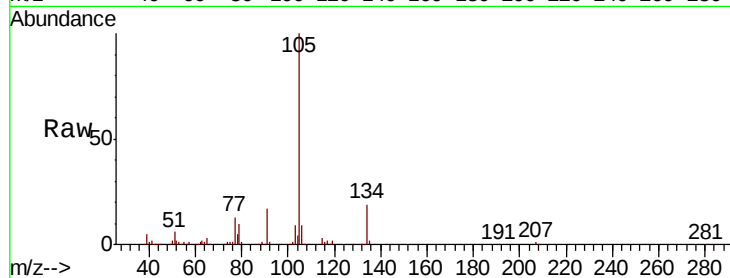
ClientSampled :

Tot Ion:105 Resp: 154532

Ion Ratio Lower Upper

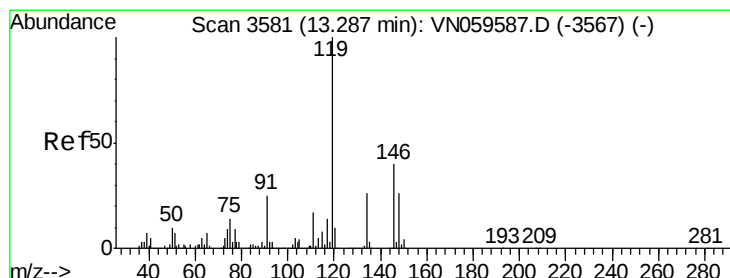
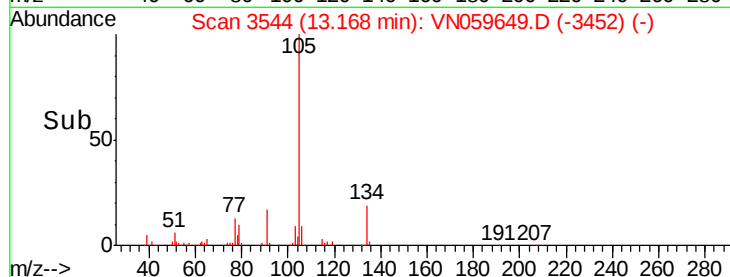
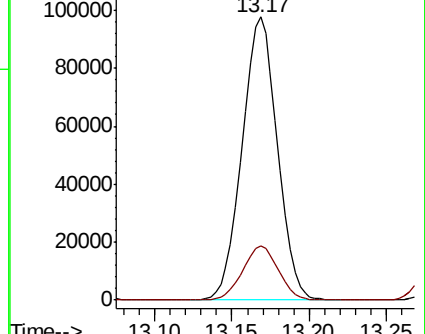
105 100

134 19.4 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: 14.394 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

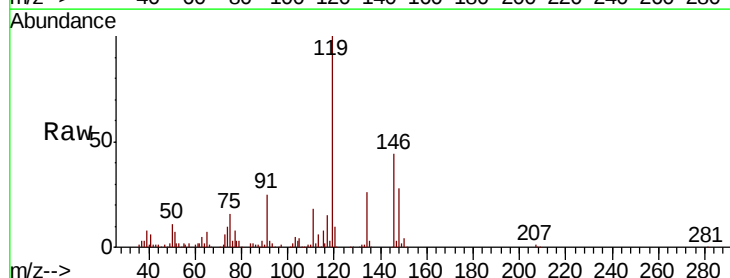
Tgt Ion:119 Resp: 140177

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

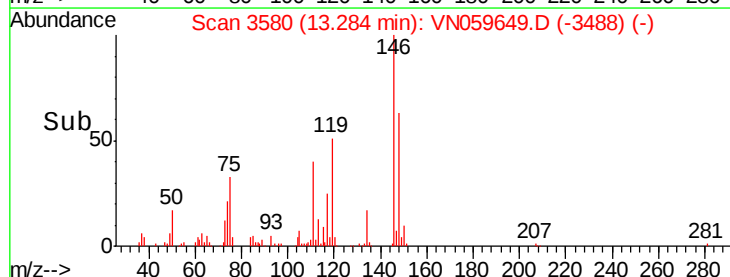
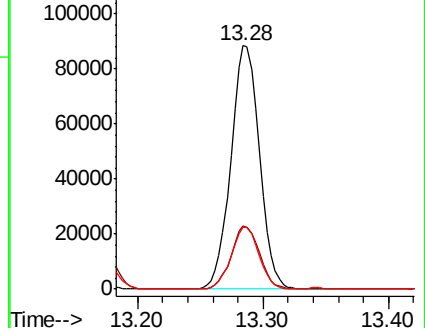
91 24.7 12.4 37.4

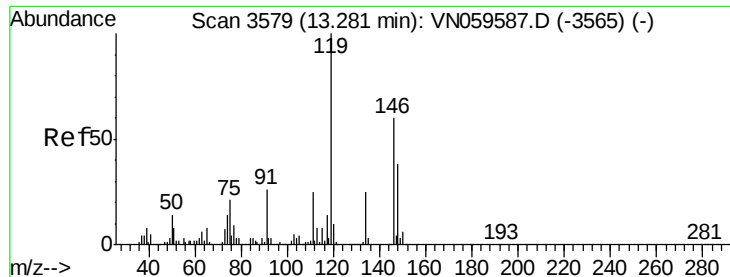


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 13.887 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

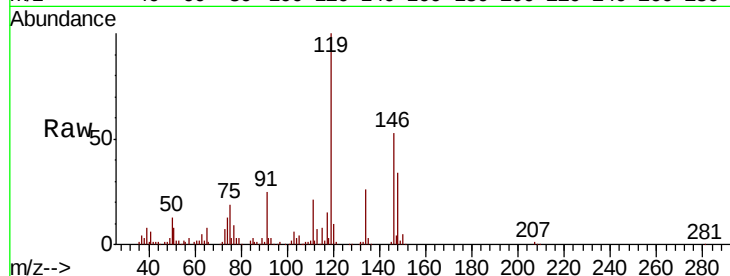
Tot Ion:146 Resp: 70831

Ion Ratio Lower Upper

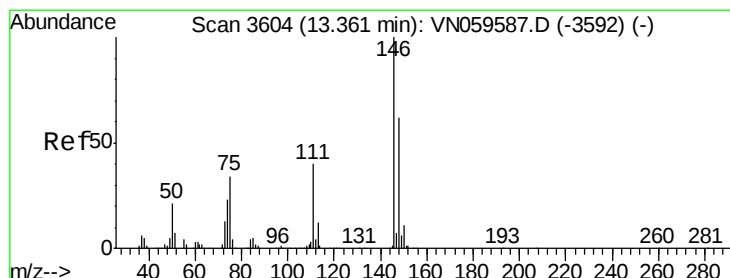
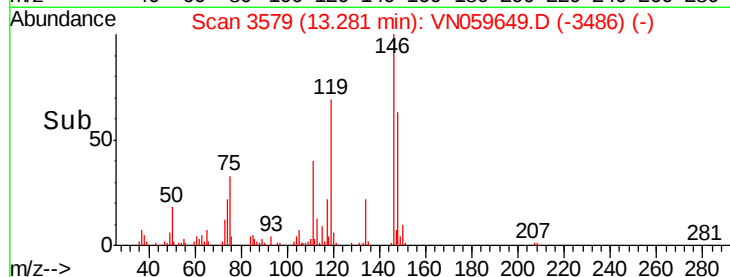
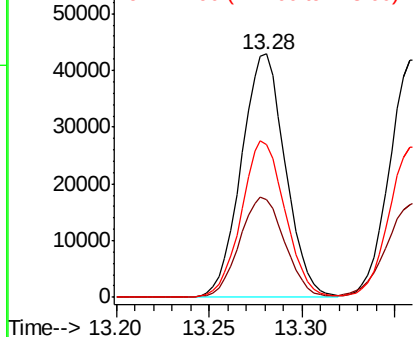
146 100

111 42.1 20.8 62.2

148 63.7 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 13.723 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

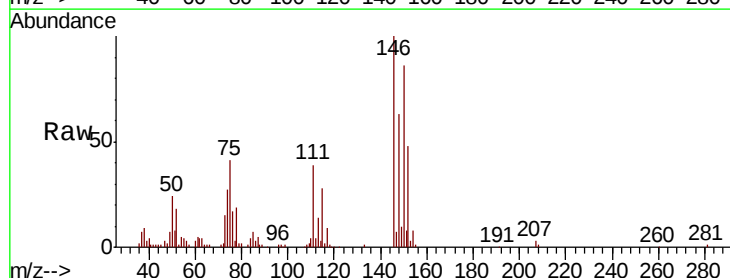
Tgt Ion:146 Resp: 70571

Ion Ratio Lower Upper

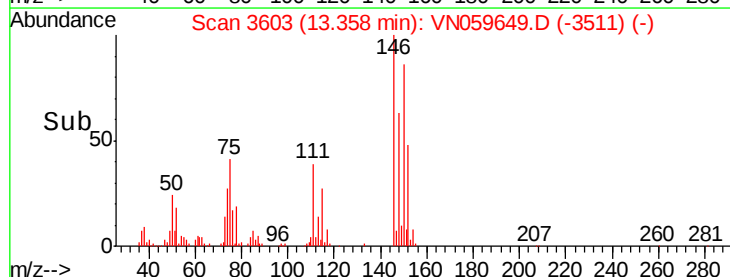
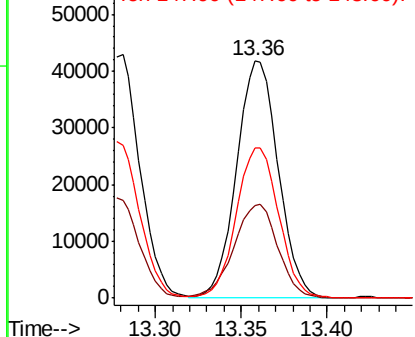
146 100

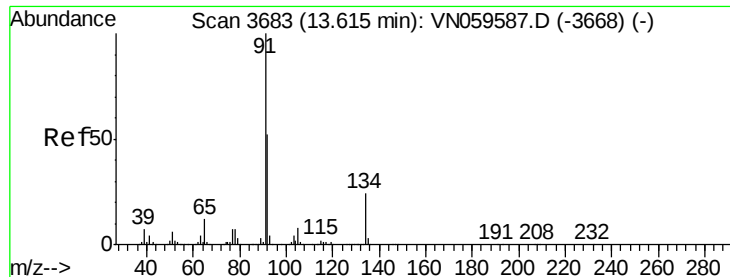
111 42.0 20.8 62.2

148 64.5 31.8 95.4



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





#89

n-Butylbenzene

Concen: 13.707 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

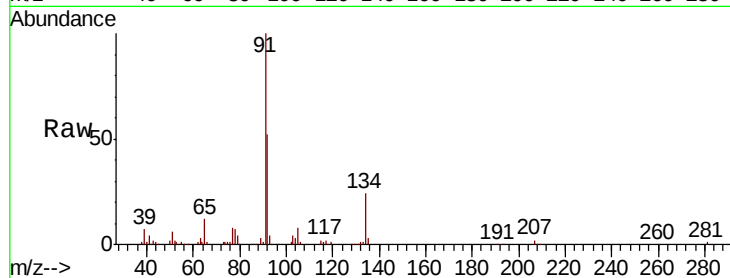
Tot Ion: 91 Resp: 125151

Ion Ratio Lower Upper

91 100

92 51.0 25.9 77.7

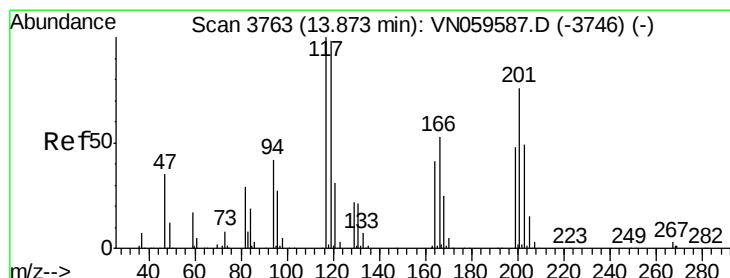
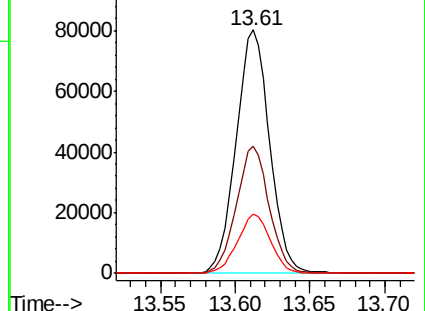
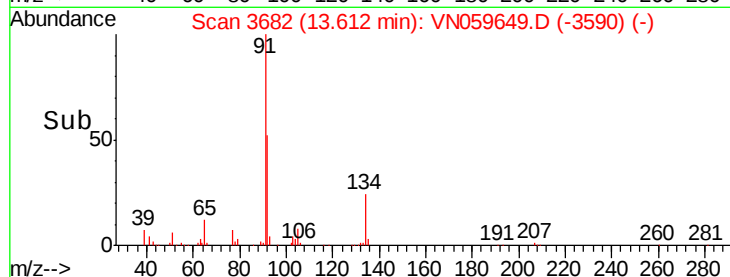
134 23.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059587.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059587.D (-3668) (-)



#90

Hexachloroethane

Concen: 14.669 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN059649.D

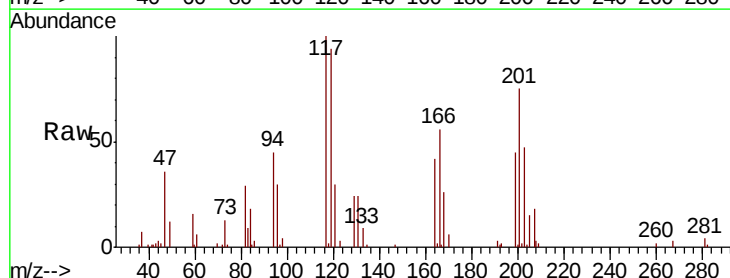
Acq: 18 Dec 2019 14:53

Tgt Ion: 117 Resp: 27003

Ion Ratio Lower Upper

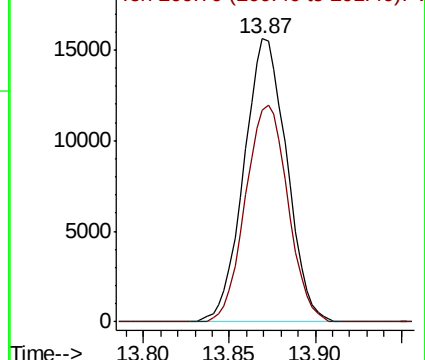
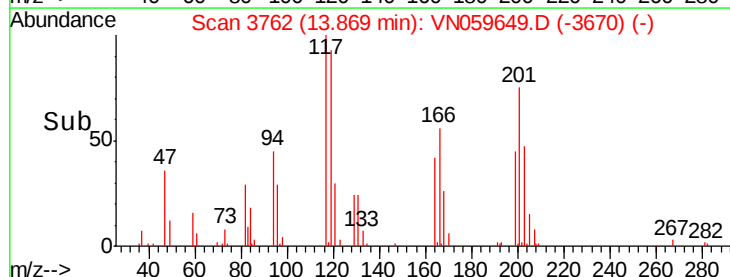
117 100

201 75.7 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059587.D (-3746) (-)





#91

1,2-Dichlorobenzene

Concen: 13.760 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

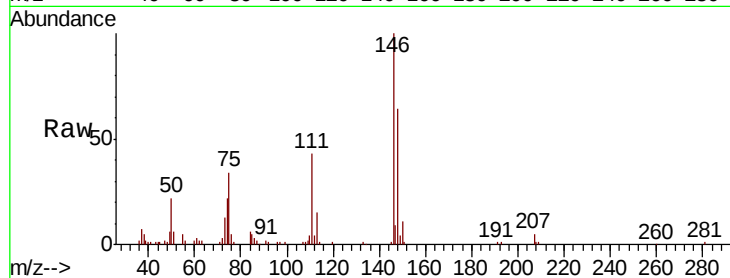
Tot Ion:146 Resp: 69215

Ion Ratio Lower Upper

146 100

111 43.2 21.6 64.8

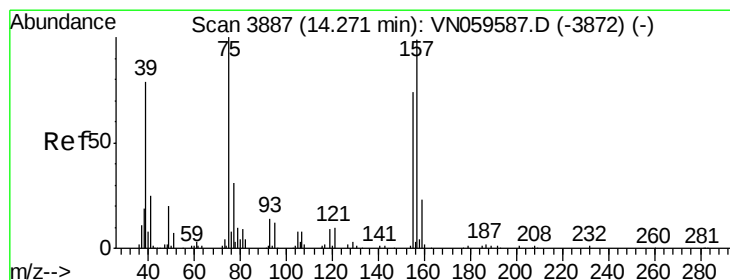
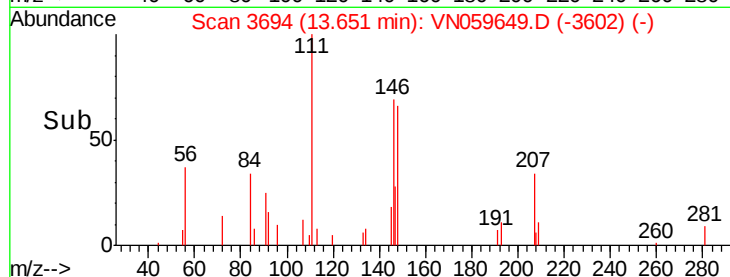
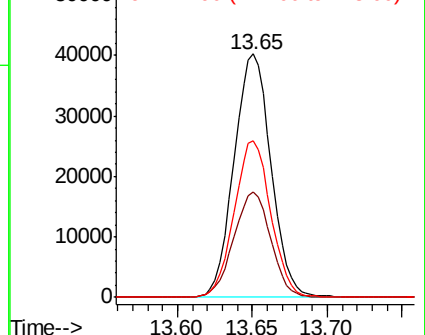
148 63.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.032 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

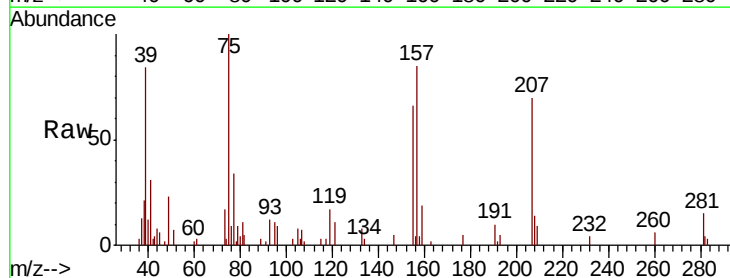
Tgt Ion: 75 Resp: 12871

Ion Ratio Lower Upper

75 100

155 65.4 37.0 110.9

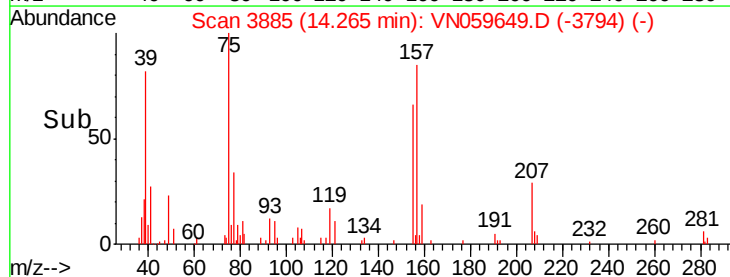
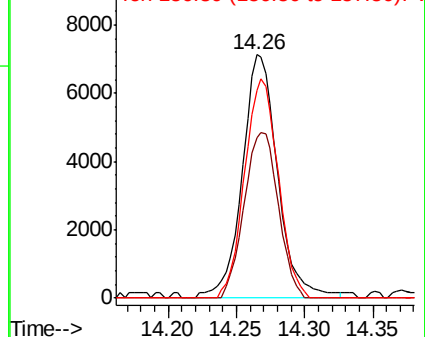
157 85.1 48.4 145.2

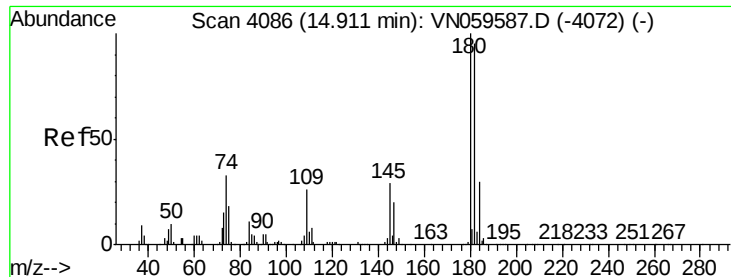


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 12.405 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

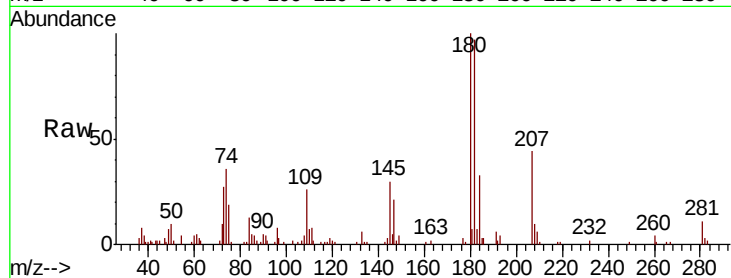
Tot Ion:180 Resp: 40295

Ion Ratio Lower Upper

180 100

182 97.1 46.9 140.7

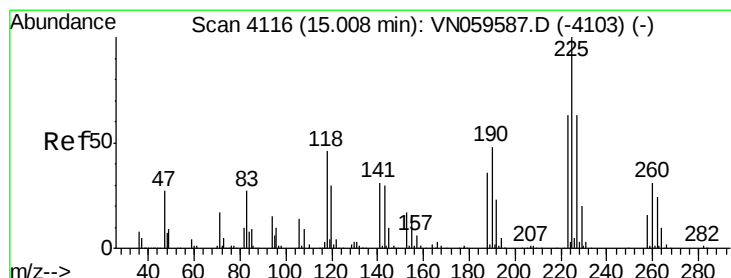
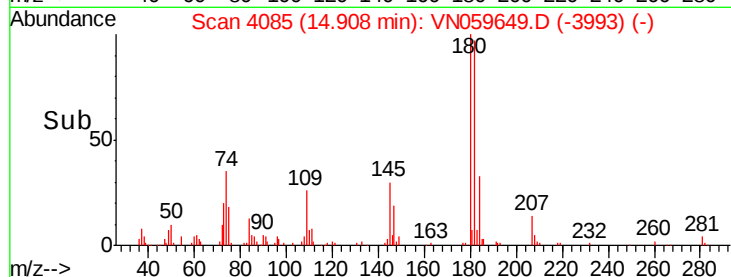
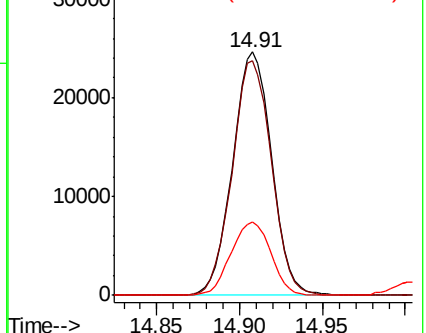
145 30.7 15.0 45.1



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: 15.062 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN059649.D

Acq: 18 Dec 2019 14:53

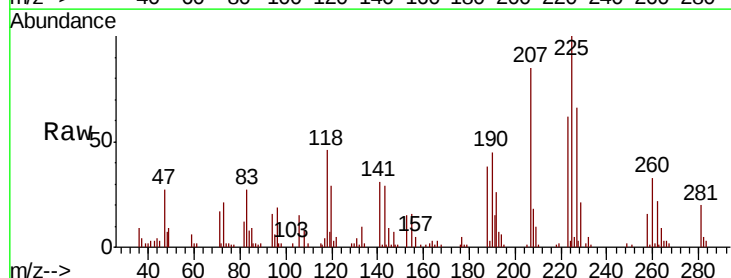
Tgt Ion:225 Resp: 24583

Ion Ratio Lower Upper

225 100

223 61.1 31.8 95.3

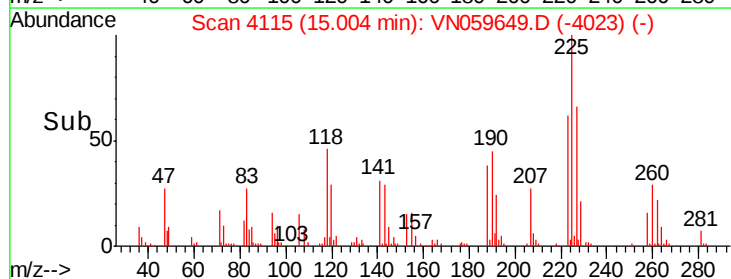
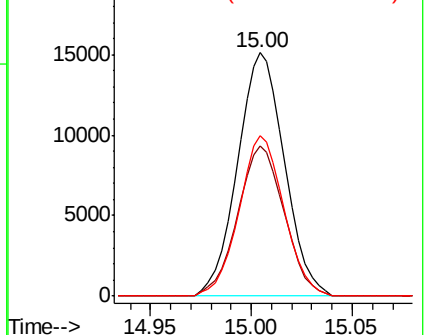
227 63.0 32.1 96.5

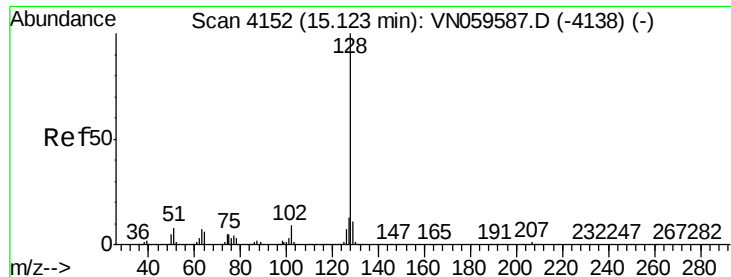


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

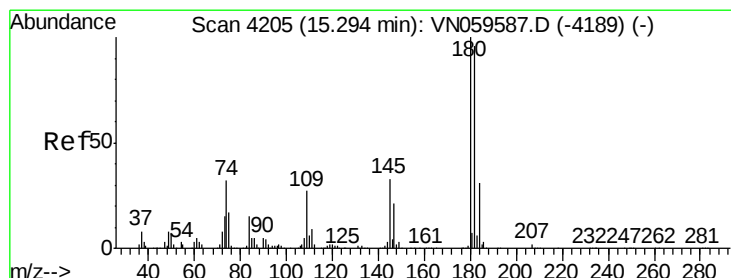
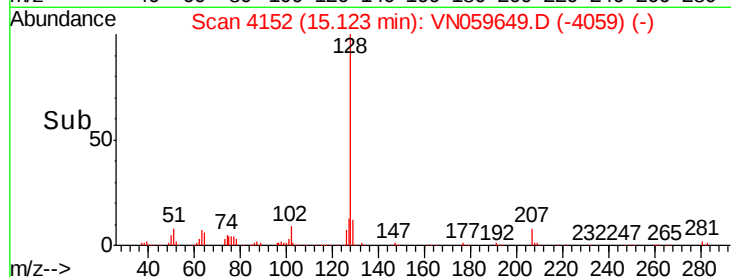
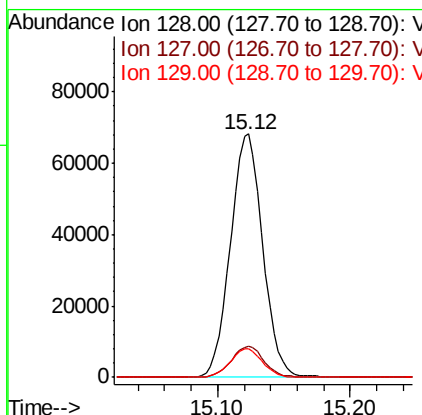
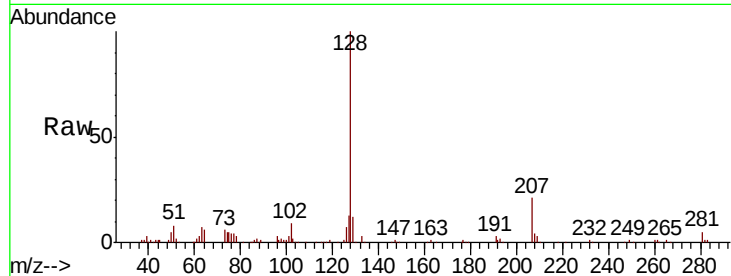




#95
Naphthalene
Concen: 11.895 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 115339
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 12.470 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059649.D
Acq: 18 Dec 2019 14:53

Tgt Ion:180 Resp: 40968
Ion Ratio Lower Upper
180 100
182 96.1 47.4 142.3
145 32.5 16.3 48.9

