

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122019\
 Data File : VN059684.D
 Acq On : 20 Dec 2019 16:19
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 16:50:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N122019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 20 16:30:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	263073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	312020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109489	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	15199	4.03	ug/l	0.00
Spiked Amount			Recovery	=	8.06%	
35) Dibromofluoromethane	7.57	113	12202	6.36	ug/l	0.00
Spiked Amount			Recovery	=	12.72%	
50) Toluene-d8	10.08	98	42931	5.65	ug/l	0.00
Spiked Amount			Recovery	=	11.30%	
62) 4-Bromofluorobenzene	12.40	95	13323	4.99	ug/l	0.00
Spiked Amount			Recovery	=	9.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	12604	3.691	ug/l	98
3) Chloromethane	2.04	50	13089	2.587	ug/l	98
4) Vinyl Chloride	2.17	62	13523	2.740	ug/l	99
5) Bromomethane	2.53	94	11492	4.020	ug/l	89
6) Chloroethane	2.67	64	10138	3.623	ug/l	98
7) Trichlorofluoromethane	2.99	101	15425	2.962	ug/l	96
8) Diethyl Ether	3.39	74	6471	3.737	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.73	101	9183	3.331	ug/l	98
10) Methyl Iodide	3.92	142	10708	2.980	ug/l #	95
11) Tert butyl alcohol	4.75	59	10550	15.612	ug/l #	83
12) 1,1-Dichloroethene	3.71	96	9018	3.360	ug/l	94
13) Acrolein	3.58	56	5127	11.823	ug/l	92
14) Allyl chloride	4.29	41	18485	3.341	ug/l	96
15) Acrylonitrile	4.95	53	27841	16.842	ug/l	99
16) Acetone	3.79	43	31388	14.526	ug/l	95
17) Carbon Disulfide	4.02	76	32546	3.511	ug/l	100
18) Methyl Acetate	4.30	43	15844	3.343	ug/l	96
19) Methyl tert-butyl Ether	5.01	73	31900	3.353	ug/l	97
20) Methylene Chloride	4.52	84	16144	5.001	ug/l #	93
21) trans-1,2-Dichloroethene	5.01	96	10233	3.416	ug/l	93
22) Diisopropyl ether	5.91	45	33543	3.289	ug/l #	77
23) Vinyl Acetate	5.87	43	131810	16.609	ug/l	99
24) 1,1-Dichloroethane	5.82	63	19540	3.386	ug/l	100
25) 2-Butanone	6.81	43	50090	19.024	ug/l	97
26) 2,2-Dichloropropane	6.80	77	21798	4.143	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	14062	4.226	ug/l	96
28) Bromochloromethane	7.17	49	4910	2.556	ug/l #	98
29) Tetrahydrofuran	7.19	42	31825	19.429	ug/l	98
30) Chloroform	7.35	83	23606	4.011	ug/l	100
31) Cyclohexane	7.63	56	29938	5.387	ug/l #	84
32) 1,1,1-Trichloroethane	7.55	97	19978	3.853	ug/l	97
36) 1,1-Dichloropropene	7.77	75	18384	5.696	ug/l	98
37) Ethyl Acetate	6.91	43	17431	4.636	ug/l	96
38) Carbon Tetrachloride	7.75	117	17904	5.335	ug/l	99

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 Data File : VN059684.D
 Acq On : 20 Dec 2019 16:19
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 16:50:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N122019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 20 16:30:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	16068	4.242	ug/l	97
40) Benzene	8.02	78	44071	4.669	ug/l	99
41) Methacrylonitrile	7.14	41	8430	5.494	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	18025	4.910	ug/l	97
43) Isopropyl Acetate	8.15	43	26309	4.430	ug/l #	90
44) Trichloroethene	8.82	130	11361	4.627	ug/l	94
45) 1,2-Dichloropropane	9.10	63	12302	4.654	ug/l	96
46) Dibromomethane	9.19	93	7381	4.370	ug/l	97
47) Bromodichloromethane	9.39	83	15509	4.597	ug/l	94
48) Methyl methacrylate	9.18	41	11207	4.182	ug/l	94
49) 1,4-Dioxane	9.19	88	2771	74.165	ug/l #	89
51) 4-Methyl-2-Pentanone	9.97	43	80774	22.920	ug/l	98
52) Toluene	10.14	92	26795	4.494	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	16470	4.213	ug/l #	88
54) cis-1,3-Dichloropropene	9.82	75	19853	4.879	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	10641	4.604	ug/l	97
56) Ethyl methacrylate	10.42	69	12990	3.820	ug/l	95
57) 1,3-Dichloropropane	10.70	76	18349	4.478	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	25034	22.439	ug/l	96
59) 2-Hexanone	10.74	43	53046	19.077	ug/l	93
60) Dibromochloromethane	10.89	129	10129	4.003	ug/l	98
61) 1,2-Dibromoethane	11.00	107	9464	3.810	ug/l	98
64) Tetrachloroethene	10.62	164	11510	4.553	ug/l	97
65) Chlorobenzene	11.43	112	27052	4.591	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	10143	4.419	ug/l	96
67) Ethyl Benzene	11.50	91	48431	4.413	ug/l	98
68) m/p-Xylenes	11.62	106	34776	9.022	ug/l	96
69) o-Xylene	11.94	106	15677	4.344	ug/l	98
70) Styrene	11.96	104	23275	4.030	ug/l	100
71) Bromoform	12.12	173	6912	4.282	ug/l #	99
73) Isopropylbenzene	12.25	105	42517	4.888	ug/l	100
74) N-amyl acetate	12.07	43	17423	4.391	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	13880	4.983	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	20334	7.278	ug/l #	100
77) Bromobenzene	12.52	156	10561	4.894	ug/l	96
78) n-propylbenzene	12.59	91	49165	4.735	ug/l	97
79) 2-Chlorotoluene	12.67	91	29944	4.774	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	34436	4.607	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	4704	4.204	ug/l	94
82) 4-Chlorotoluene	12.77	91	31101	4.805	ug/l	97
83) tert-Butylbenzene	12.99	119	29453	4.728	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	33399	4.482	ug/l	99
85) sec-Butylbenzene	13.17	105	38060	4.515	ug/l	97
86) p-Isopropyltoluene	13.28	119	32930	4.438	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	17646	4.568	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	18879	4.863	ug/l	97
89) n-Butylbenzene	13.61	91	30182	4.348	ug/l	97
90) Hexachloroethane	13.87	117	6637	4.664	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	18108	4.778	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4022	4.975	ug/l	79

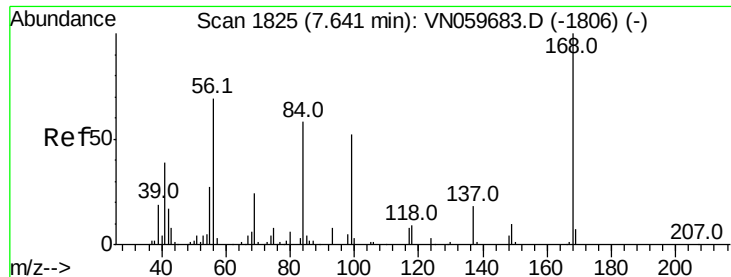
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122019\
Data File : VN059684.D
Acq On : 20 Dec 2019 16:19
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 20 16:50:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N122019W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 20 16:30:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	10957	4.476	ug/l	95
94) Hexachlorobutadiene	15.00	225	6038	4.581	ug/l	99
95) Naphthalene	15.12	128	37208	5.123	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	12401	4.953	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

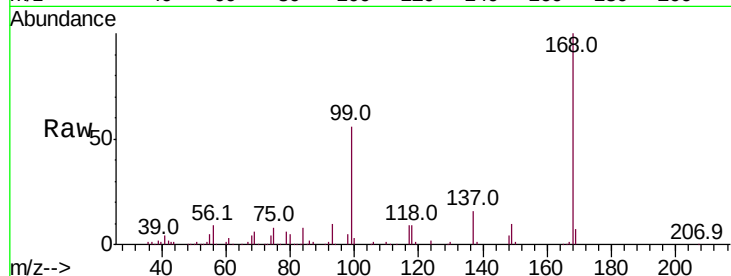
ClientSampleId :

Tot Ion:168 Resp: 263073

Ion Ratio Lower Upper

168 100

99 56.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

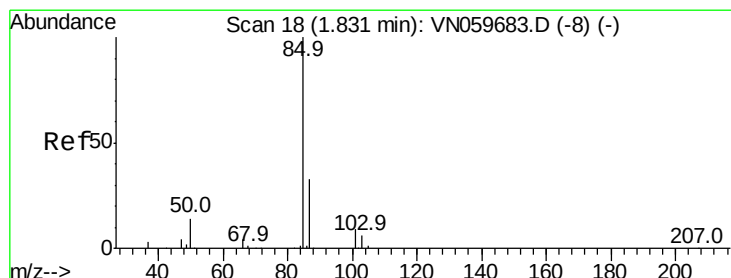
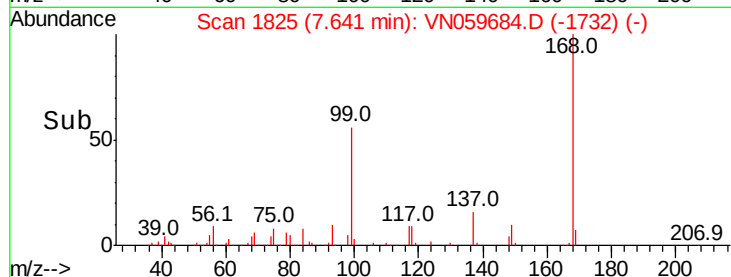
7.64

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 3.691 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059684.D

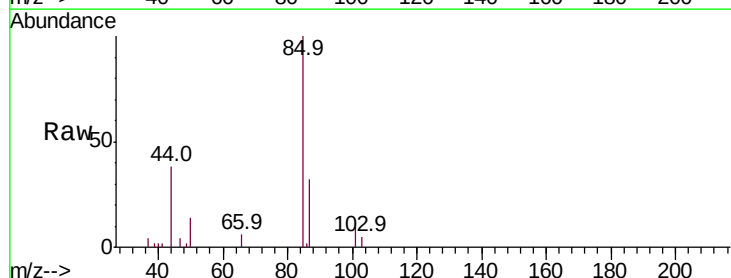
Acq: 20 Dec 2019 16:19

Tgt Ion: 85 Resp: 12604

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

10000

8000

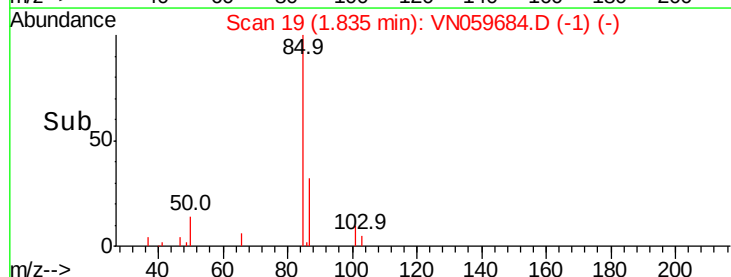
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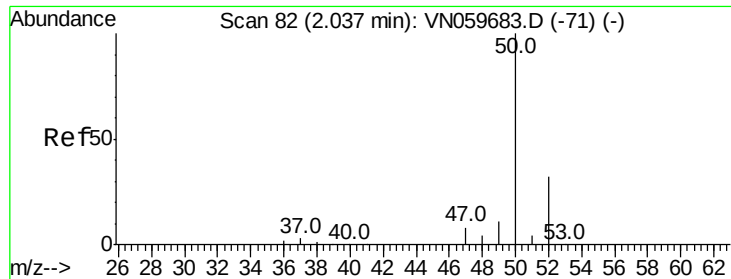
4000

2000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 2.587 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

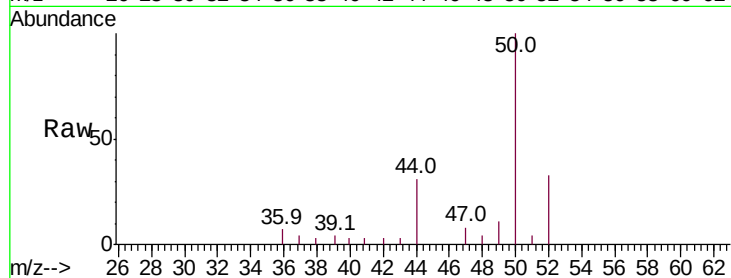
ClientSampleId :

Tot Ion: 50 Resp: 13089

Ion Ratio Lower Upper

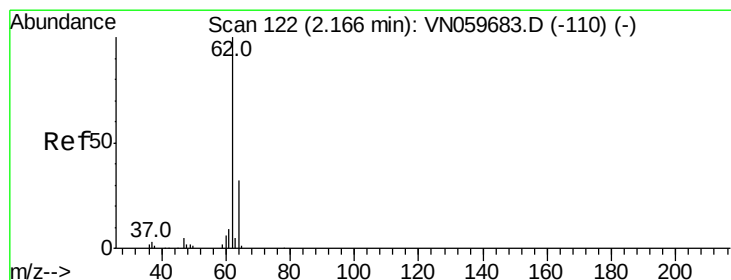
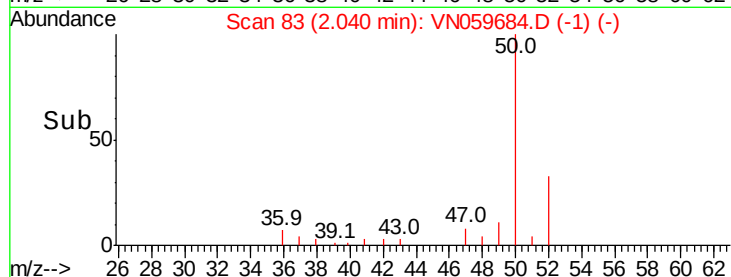
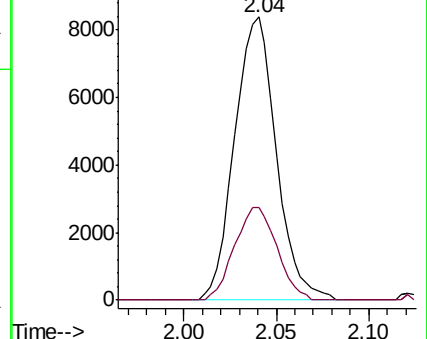
50 100

52 32.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 2.740 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059684.D

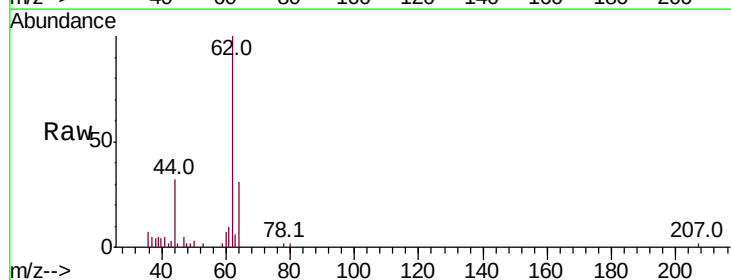
Acq: 20 Dec 2019 16:19

Tgt Ion: 62 Resp: 13523

Ion Ratio Lower Upper

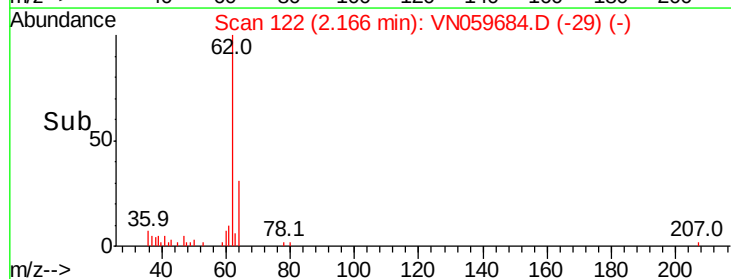
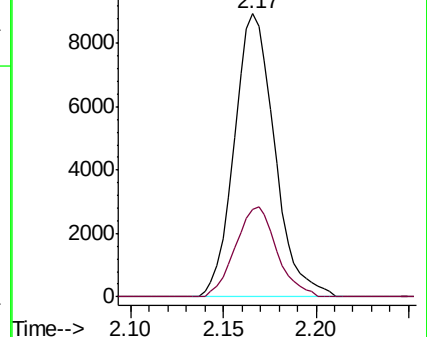
62 100

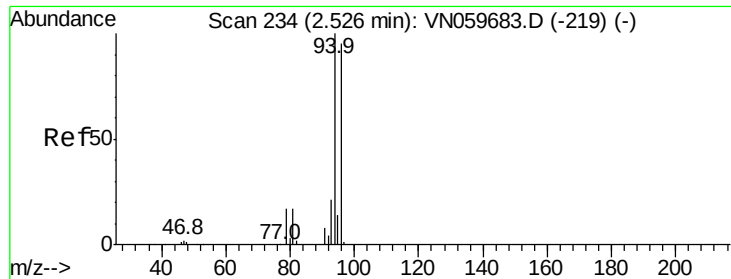
64 31.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 4.020 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

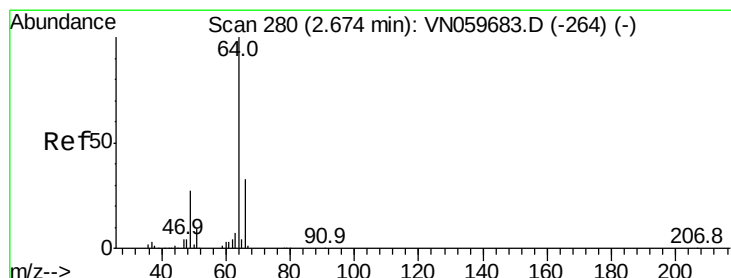
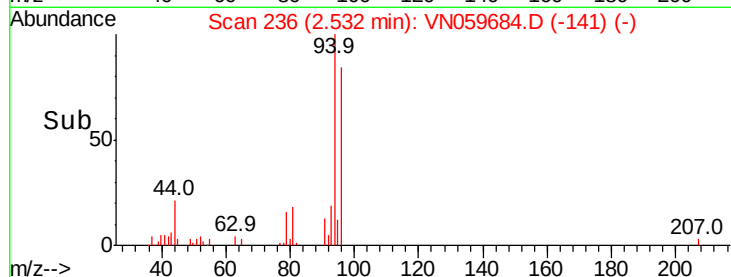
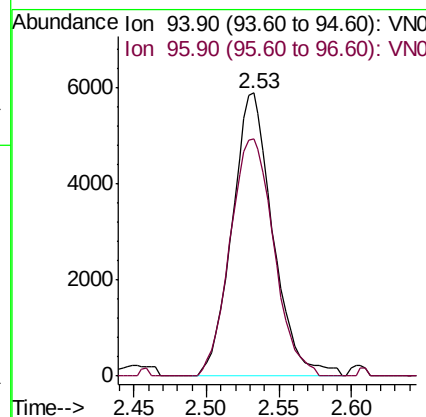
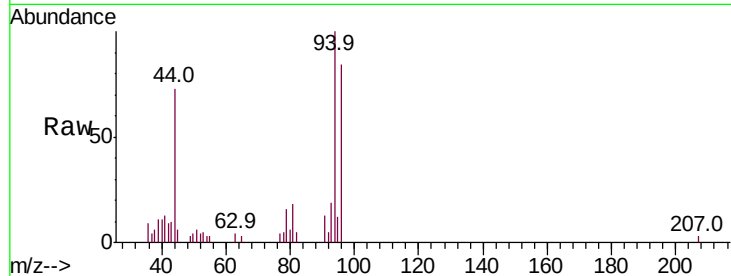
ClientSampleId :

Tot Ion: 94 Resp: 11492

Ion Ratio Lower Upper

94 100

96 83.7 75.8 113.6



#6

Chloroethane

Concen: 3.623 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN059684.D

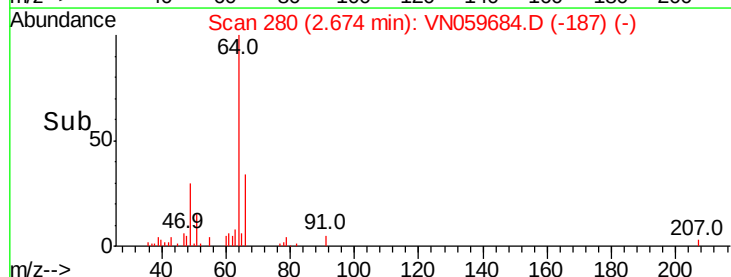
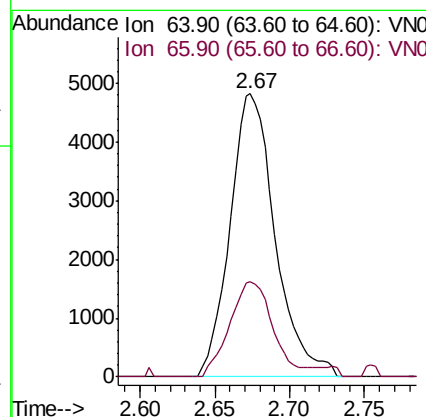
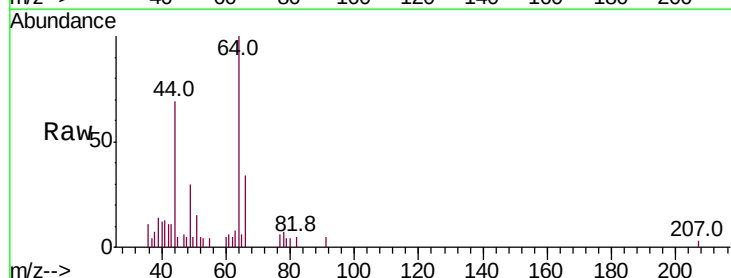
Acq: 20 Dec 2019 16:19

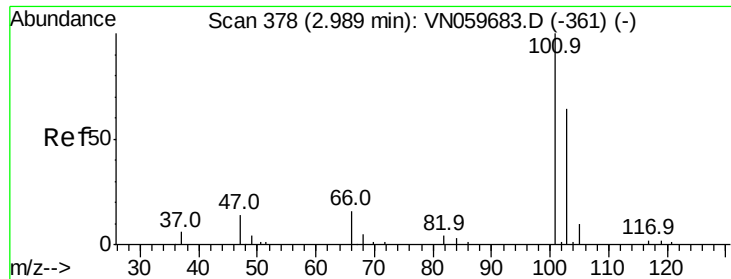
Tgt Ion: 64 Resp: 10138

Ion Ratio Lower Upper

64 100

66 33.6 26.1 39.1



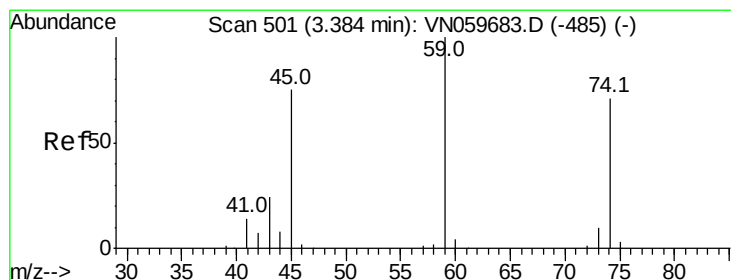
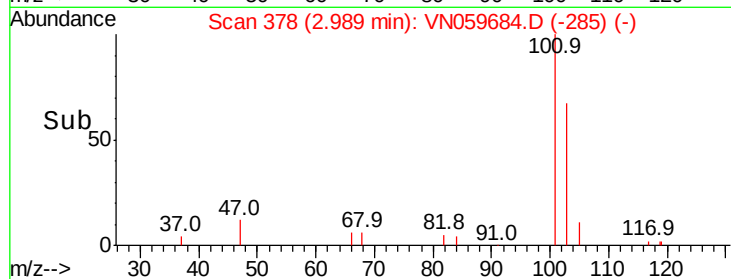
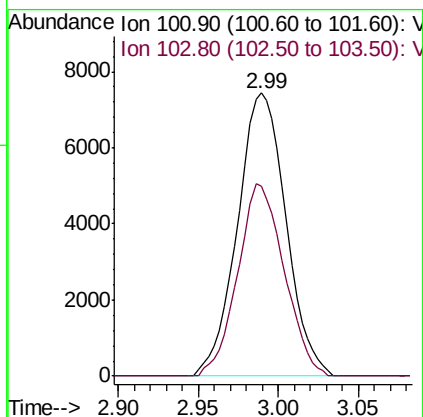
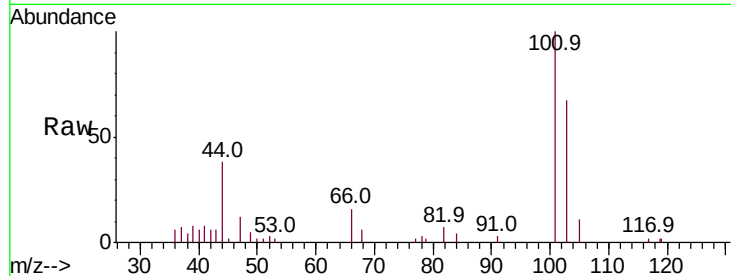


#7

Trichlorofluoromethane
 Concen: 2.962 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

Instrument :
 MSVOA_X
 ClientSampled :

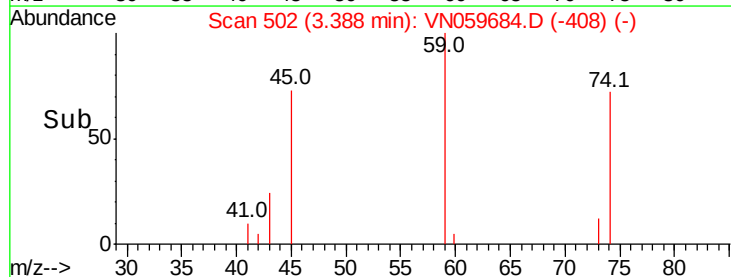
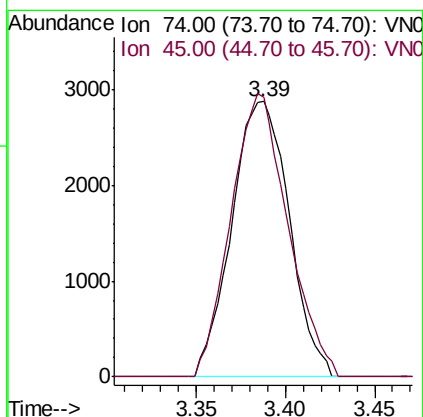
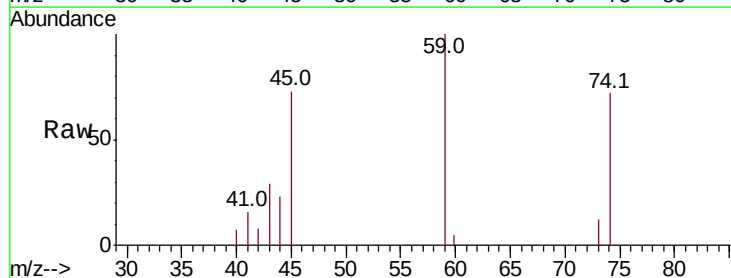
Tot Ion:101 Resp: 15425
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.2 76.8

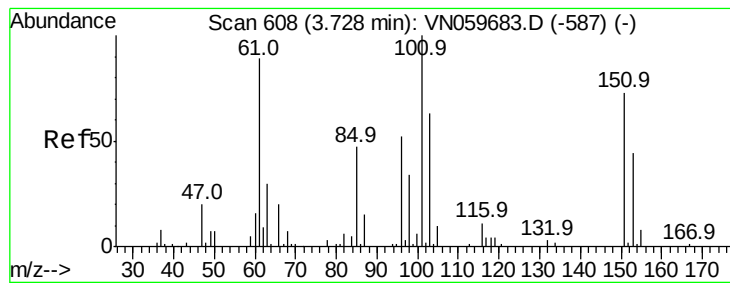


#8

Diethyl Ether
 Concen: 3.737 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

Tgt Ion: 74 Resp: 6471
 Ion Ratio Lower Upper
 74 100
 45 101.8 54.4 163.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.331 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

ClientSampled :

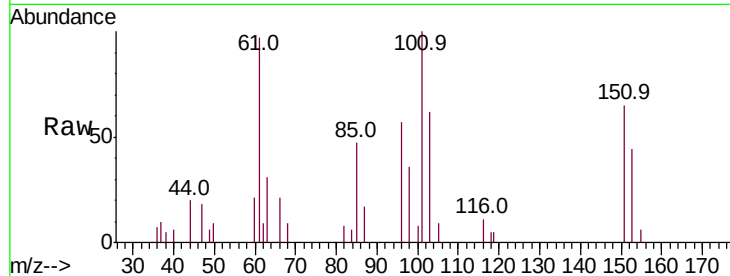
Tot Ion:101 Resp: 9183

Ion Ratio Lower Upper

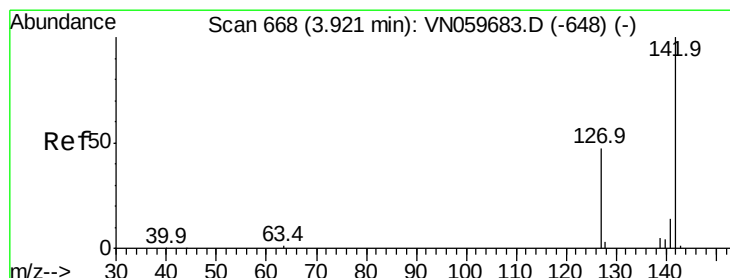
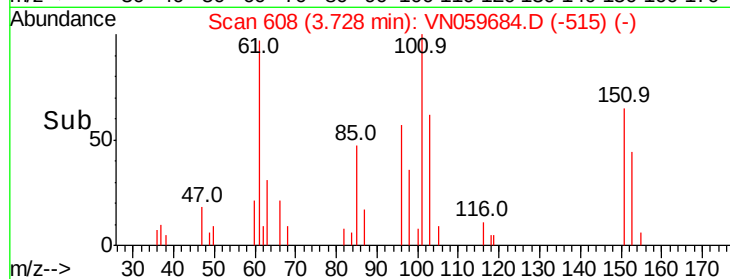
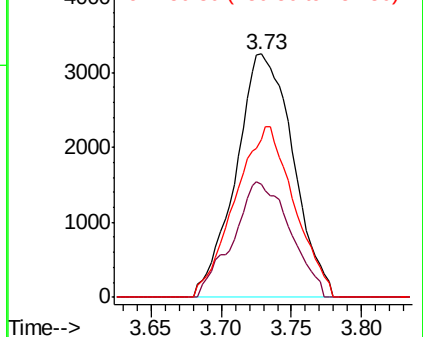
101 100

85 47.5 36.5 54.7

151 72.7 57.6 86.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.980 ug/l

RT: 3.92 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

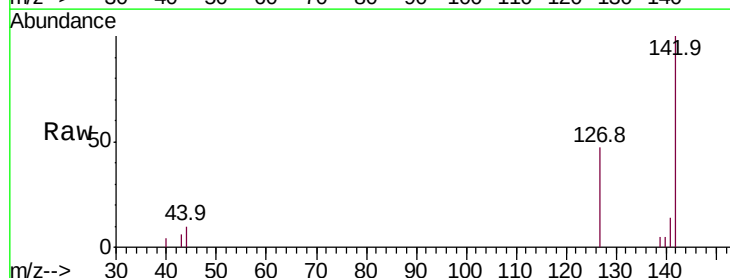
Tgt Ion:142 Resp: 10708

Ion Ratio Lower Upper

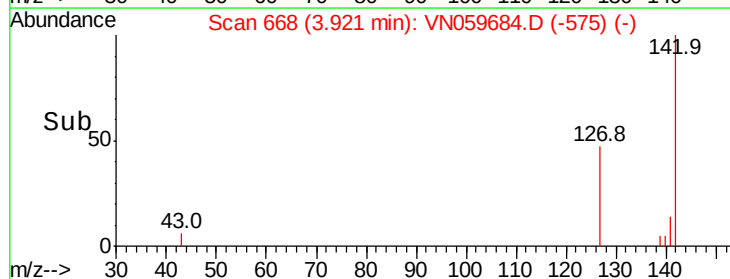
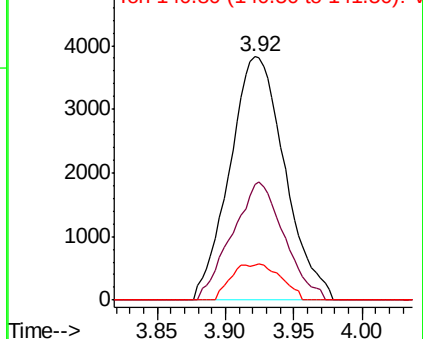
142 100

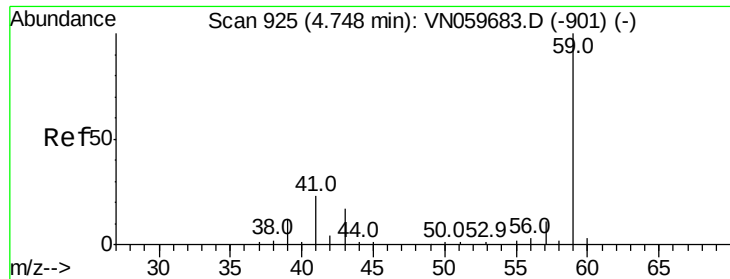
127 45.8 37.0 55.6

141 5.8 11.2 16.8#



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

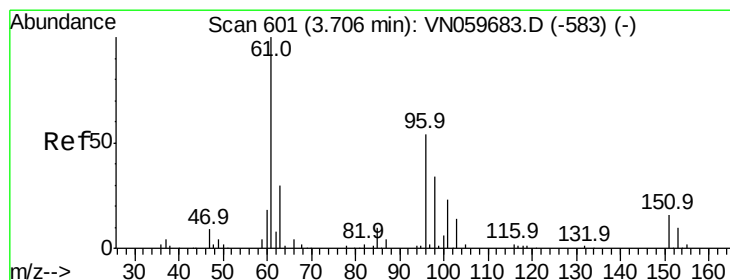
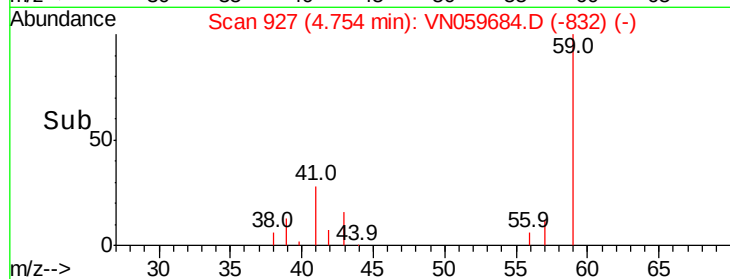
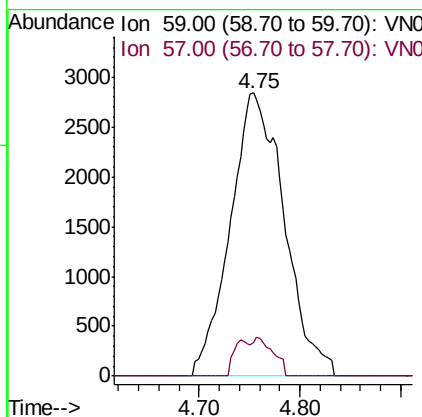
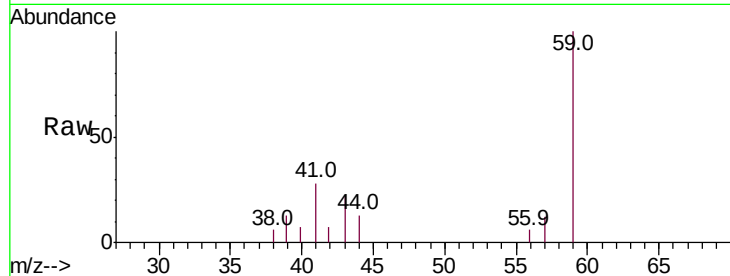




#11
Tert butyl alcohol
Concen: 15.612 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.01 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

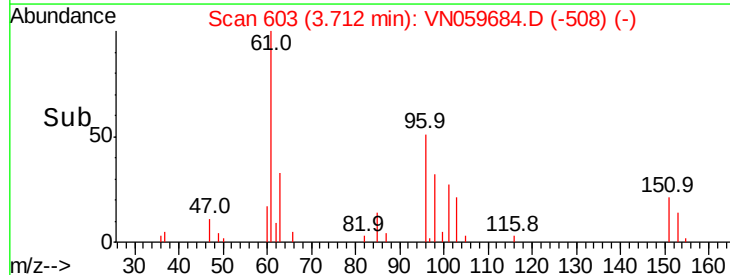
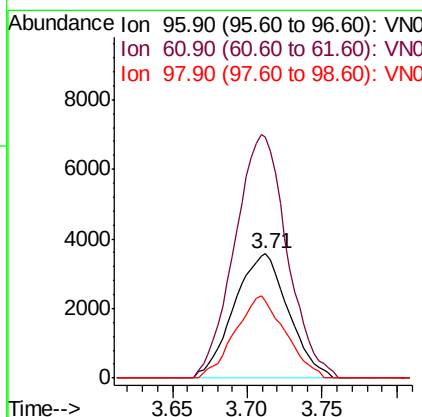
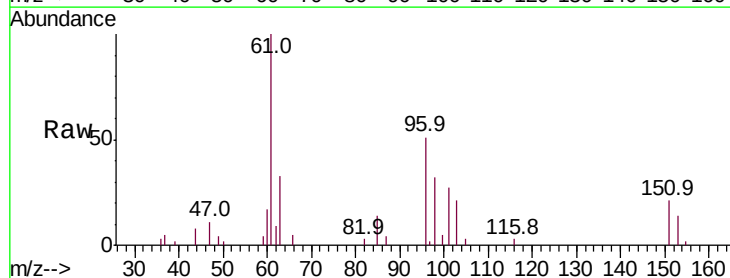
Instrument :
MSVOA_X
ClientSampleId :

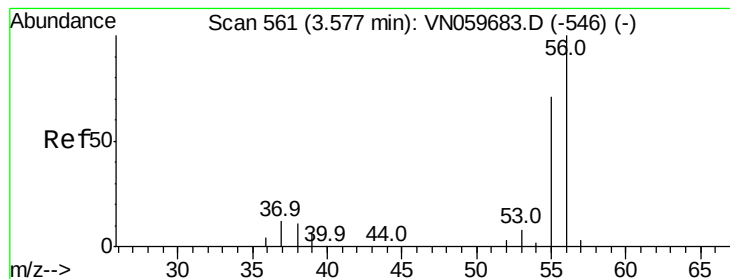
Tot Ion: 59 Resp: 10550
Ion Ratio Lower Upper
59 100
57 3.9 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 3.360 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.01 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion: 96 Resp: 9018
Ion Ratio Lower Upper
96 100
61 194.5 147.3 220.9
98 61.9 49.8 74.8





#13

Acrolein

Concen: 11.823 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

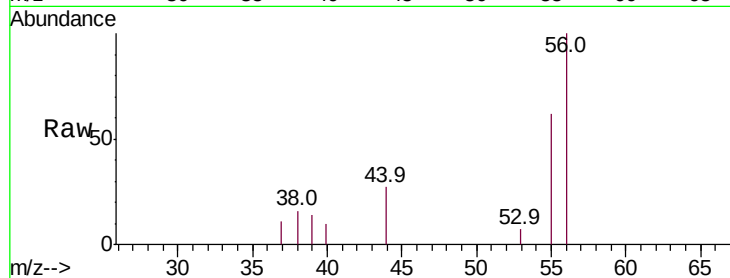
ClientSampleId :

Tot Ion: 56 Resp: 5127

Ion Ratio Lower Upper

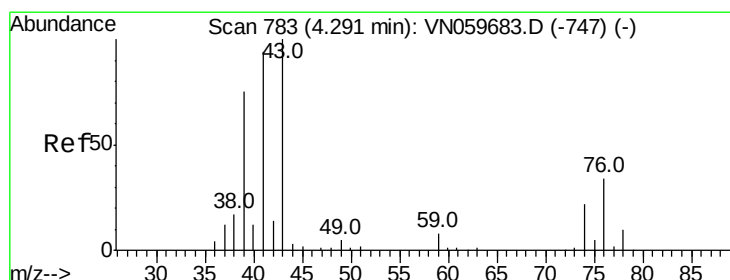
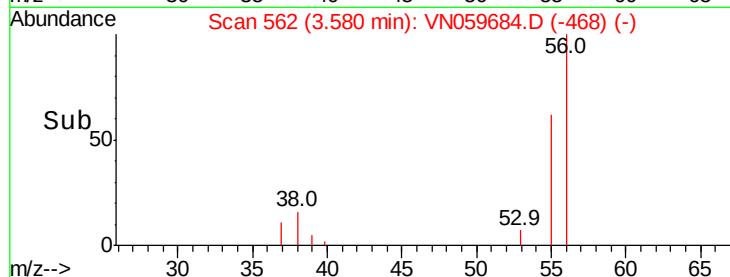
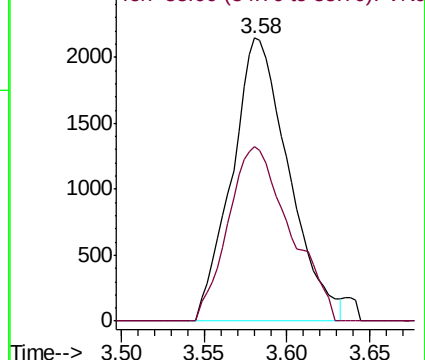
56 100

55 67.0 58.8 88.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 3.341 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

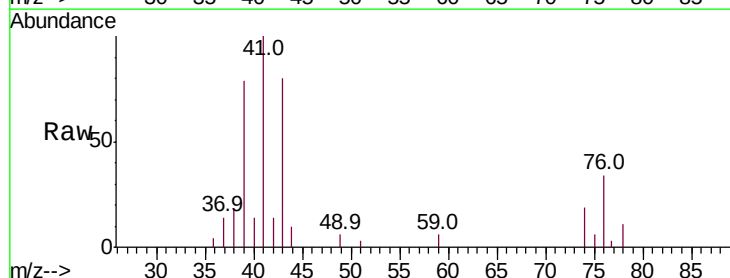
Tgt Ion: 41 Resp: 18485

Ion Ratio Lower Upper

41 100

39 76.8 58.9 88.3

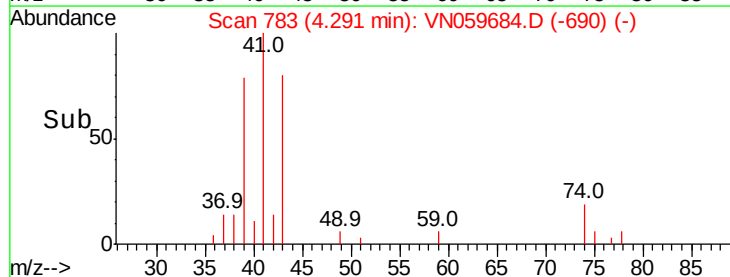
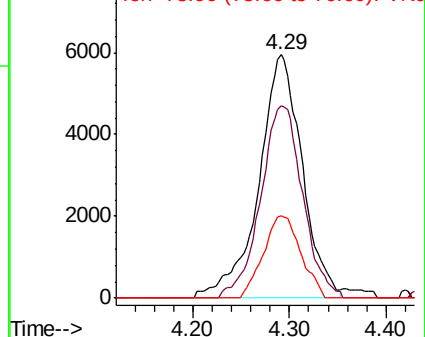
76 29.2 26.0 39.0

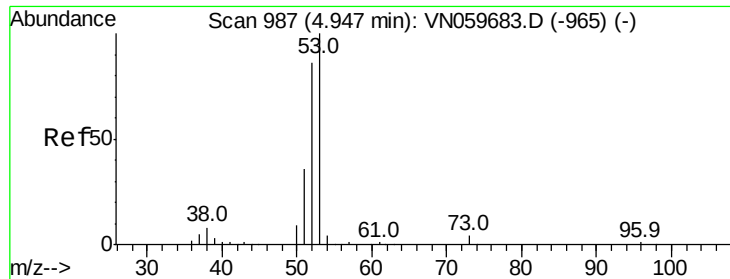


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 16.842 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.01 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :
MSVOA_X
ClientSampleId :

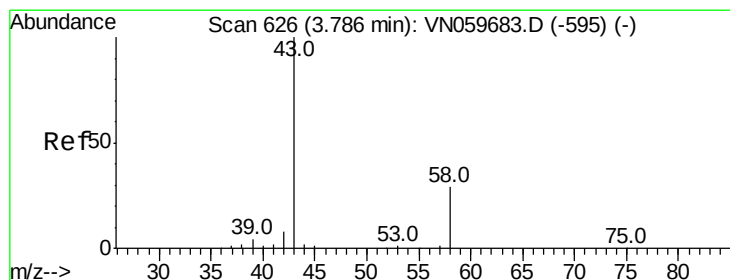
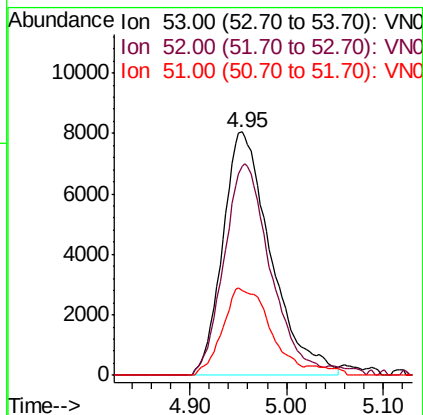
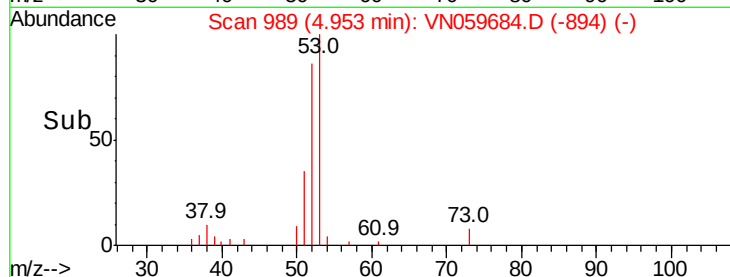
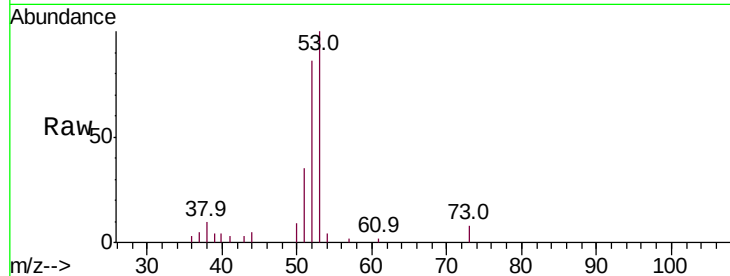
Tot Ion: 53 Resp: 27841

Ion Ratio Lower Upper

53 100

52 83.4 67.1 100.7

51 35.1 29.8 44.6



#16

Acetone

Concen: 14.526 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059684.D

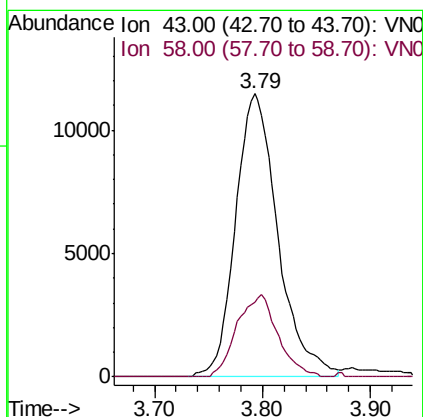
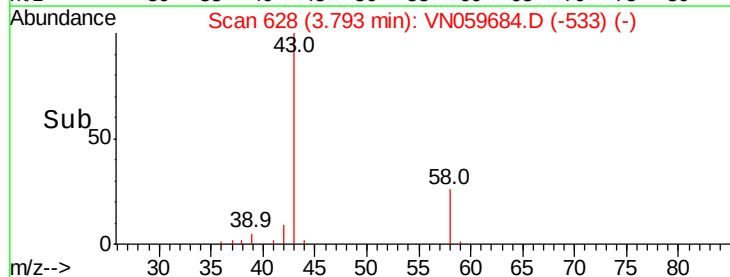
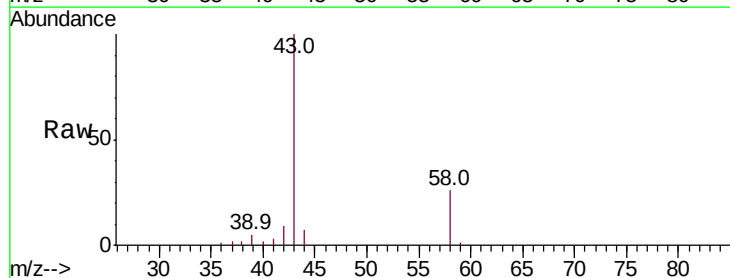
Acq: 20 Dec 2019 16:19

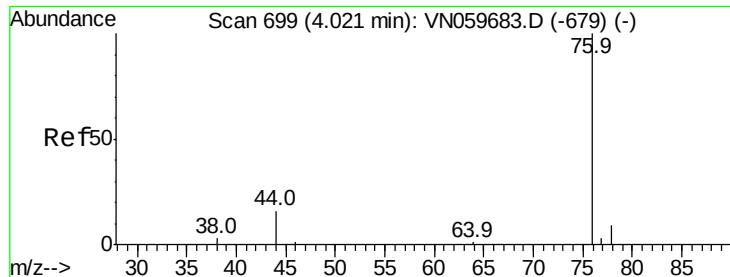
Tgt Ion: 43 Resp: 31388

Ion Ratio Lower Upper

43 100

58 26.3 23.2 34.8





#17

Carbon Disulfide

Concen: 3.511 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

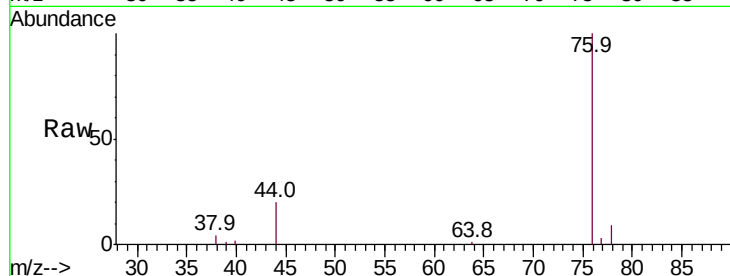
ClientSampleId :

Tot Ion: 76 Resp: 32546

Ion Ratio Lower Upper

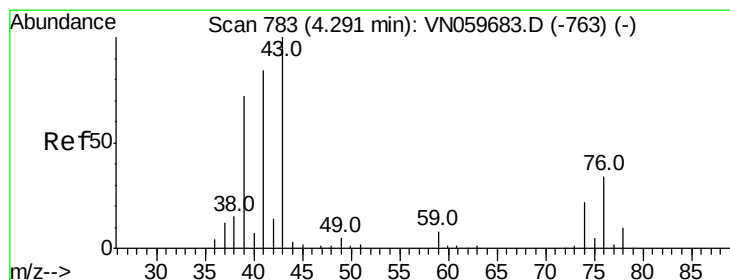
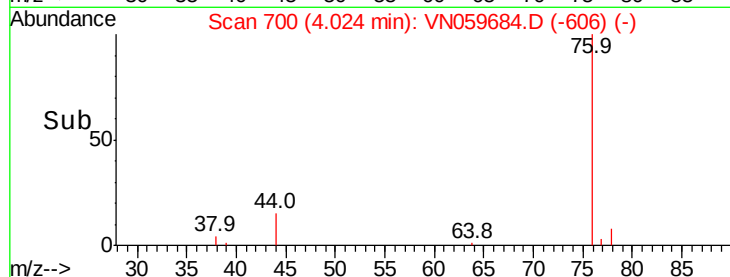
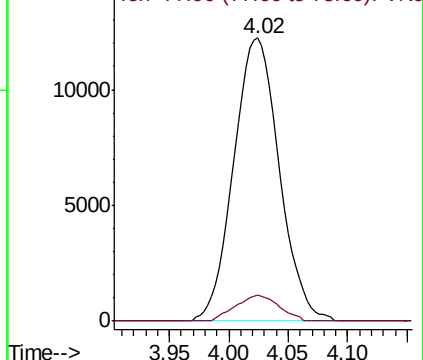
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 3.343 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN059684.D

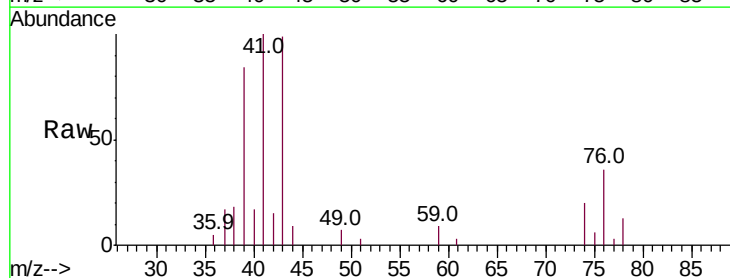
Acq: 20 Dec 2019 16:19

Tgt Ion: 43 Resp: 15844

Ion Ratio Lower Upper

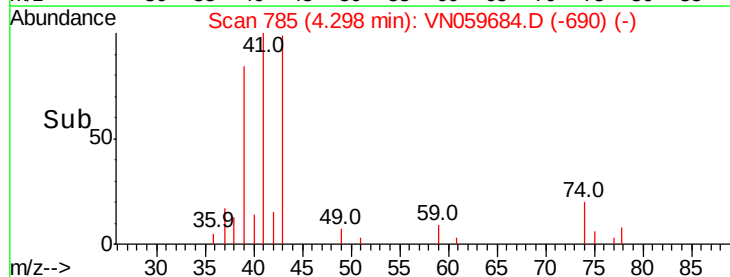
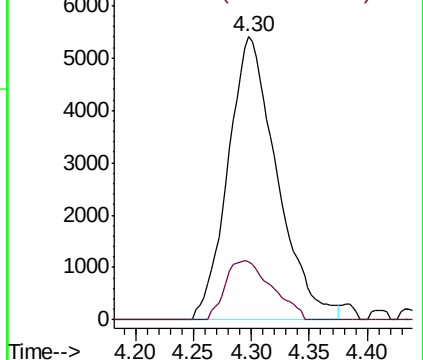
43 100

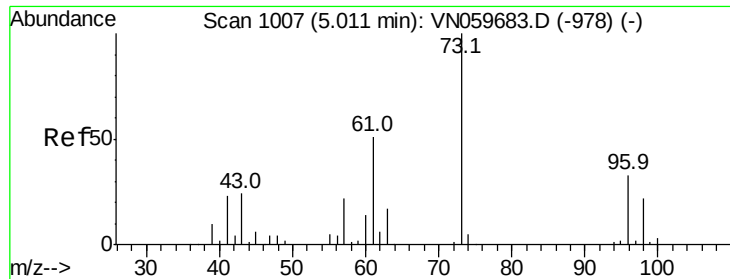
74 20.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

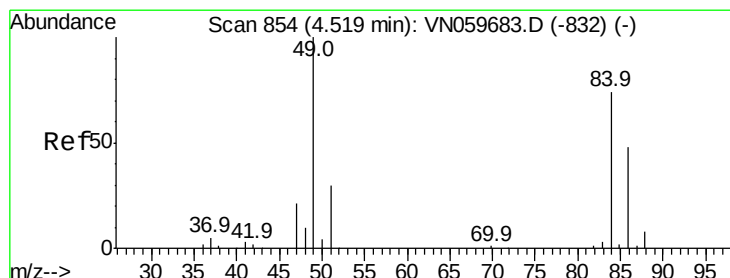
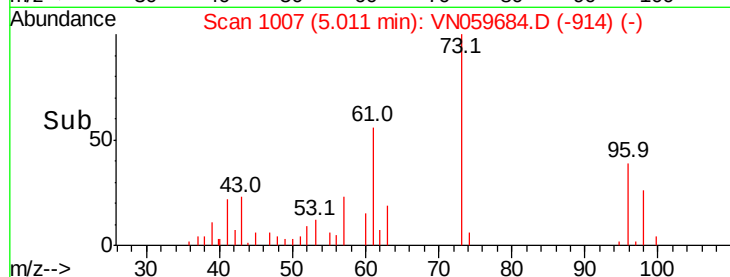
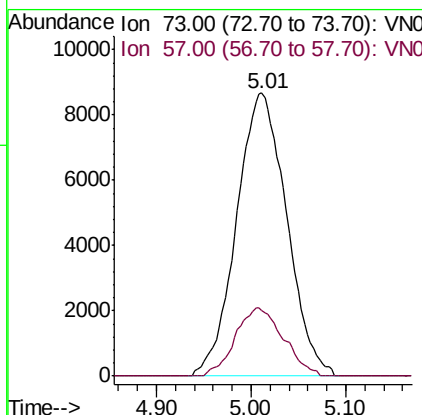
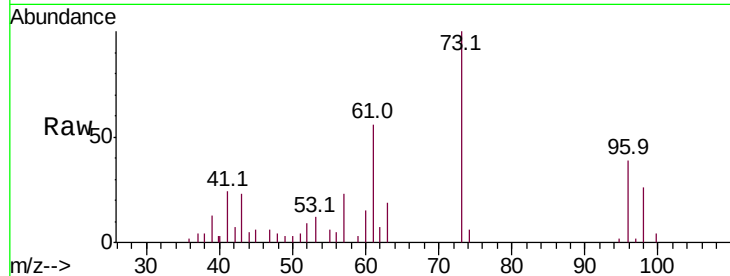




#19
Methyl tert-butyl Ether
Concen: 3.353 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

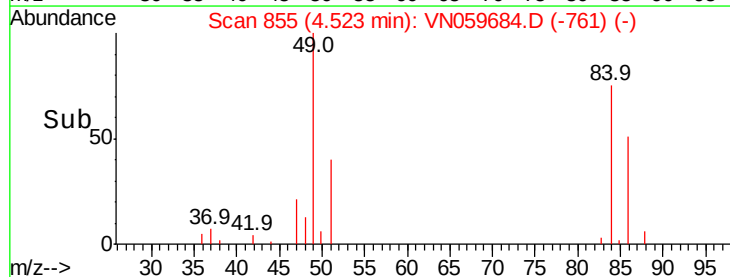
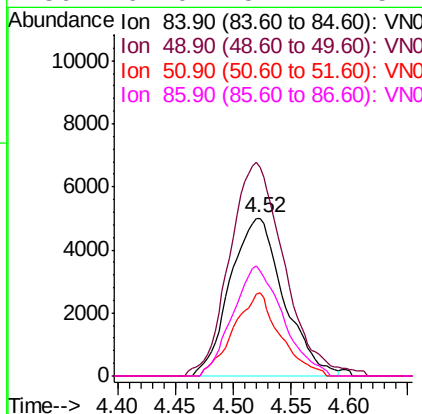
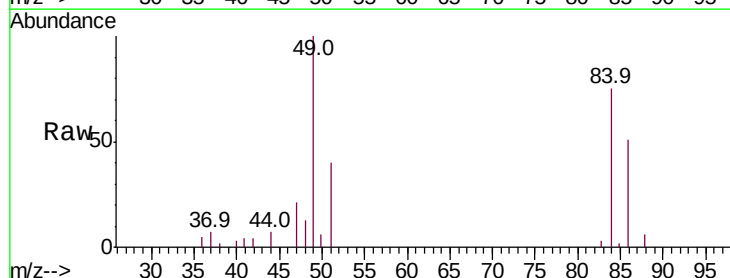
Instrument :
MSVOA_X
ClientSampled :

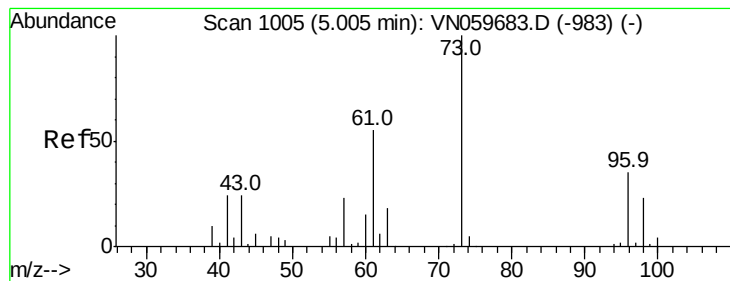
Tot Ion: 73 Resp: 31900
Ion Ratio Lower Upper
73 100
57 23.2 17.6 26.4



#20
Methylene Chloride
Concen: 5.001 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion: 84 Resp: 16144
Ion Ratio Lower Upper
84 100
49 129.4 108.0 162.0
51 53.0 32.6 49.0#
86 67.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 3.416 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.01 min

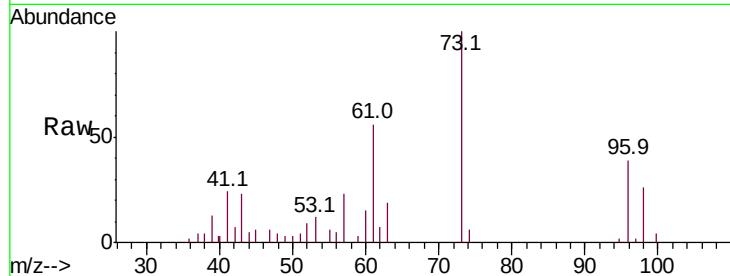
Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 10233

Ion	Ratio	Lower	Upper
96	100		
61	145.0	125.6	188.4
98	66.2	51.1	76.7

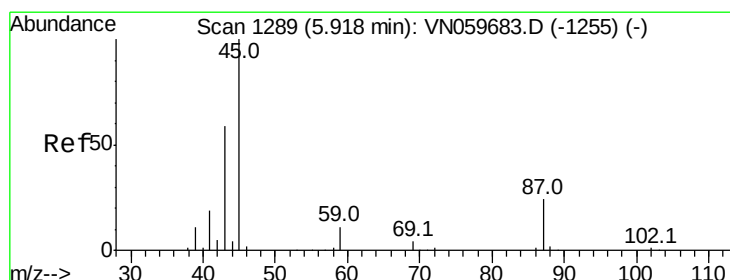
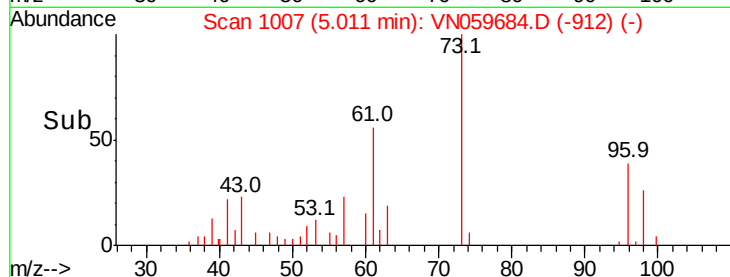
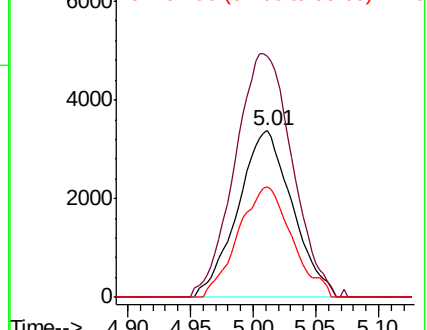


Abundance

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: 3.289 ug/l

RT: 5.91 min Scan# 1288

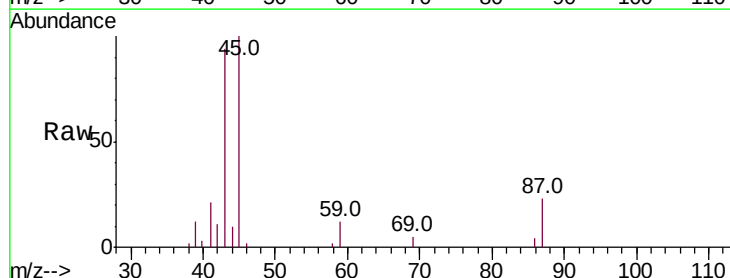
Delta R.T. -0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Tgt Ion: 45 Resp: 33543

Ion	Ratio	Lower	Upper
45	100		
43	89.3	50.4	75.6#
87	22.9	20.1	30.1
59	11.8	8.9	13.3



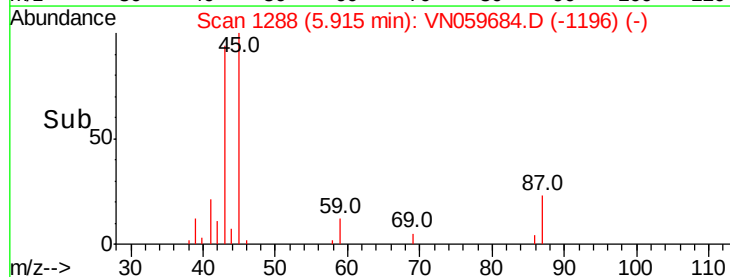
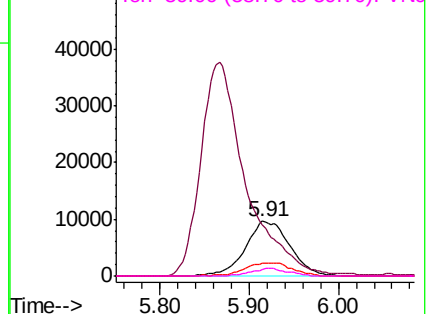
Abundance

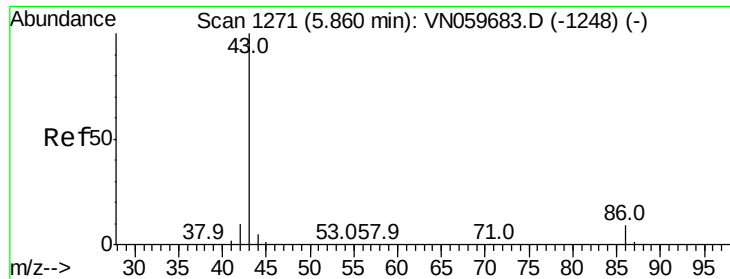
Ion 45.00 (44.70 to 45.70): VN0

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: 16.609 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

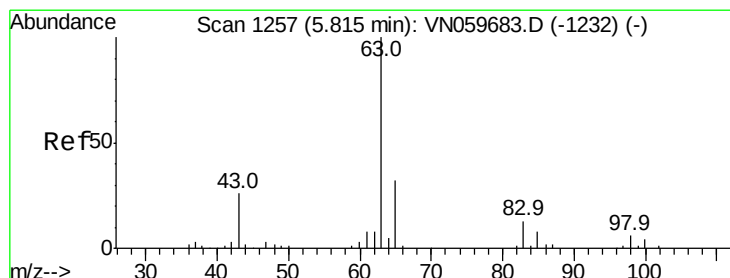
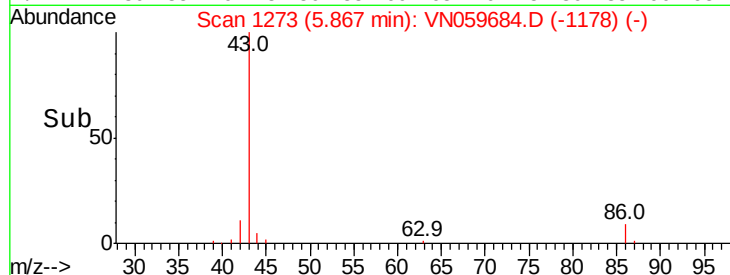
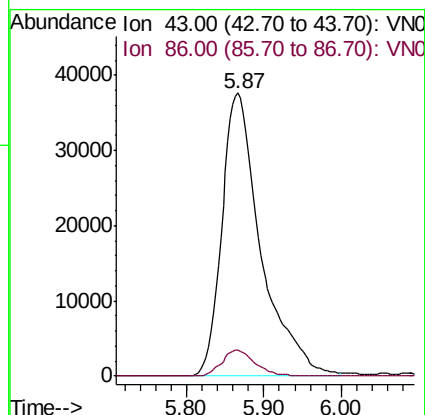
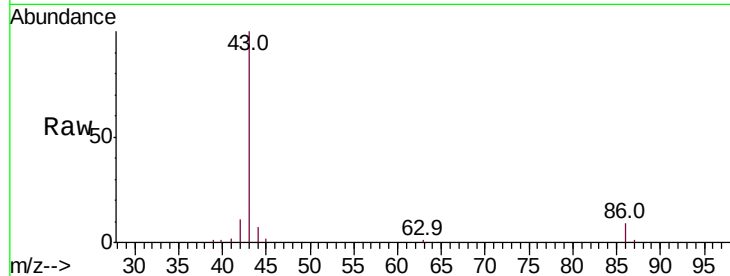
ClientSampleId :

Tot Ion: 43 Resp: 131810

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8



#24

1,1-Dichloroethane

Concen: 3.386 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

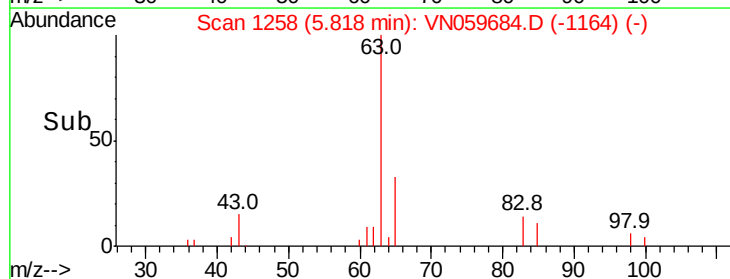
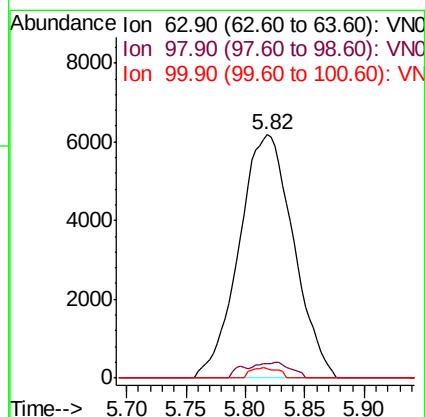
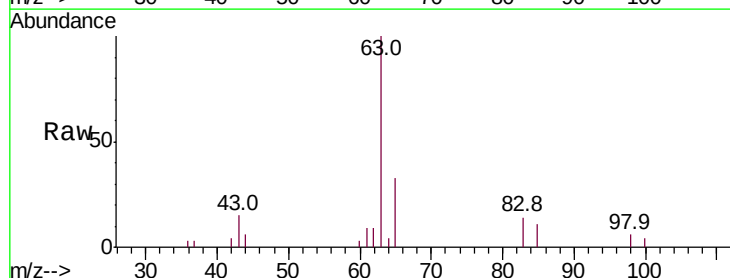
Tgt Ion: 63 Resp: 19540

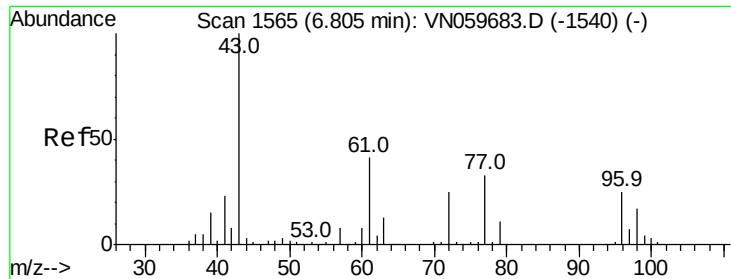
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 19.024 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

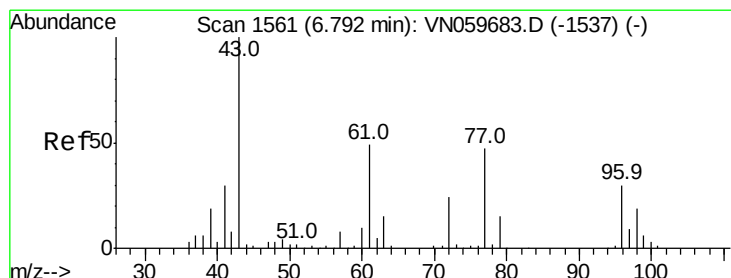
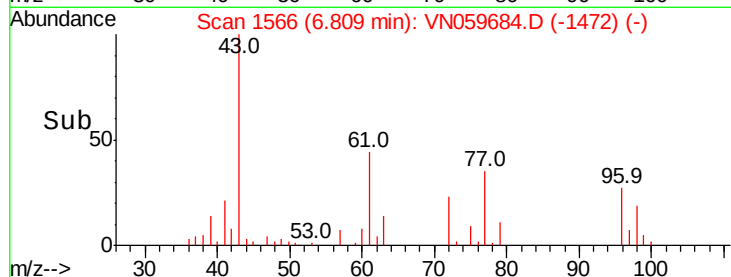
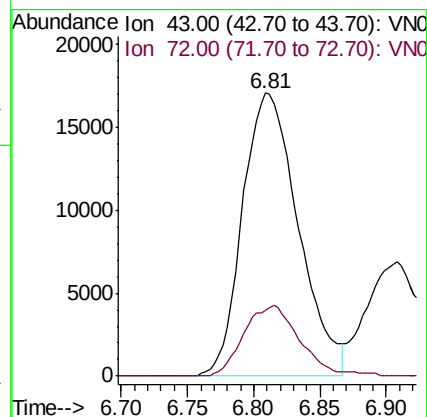
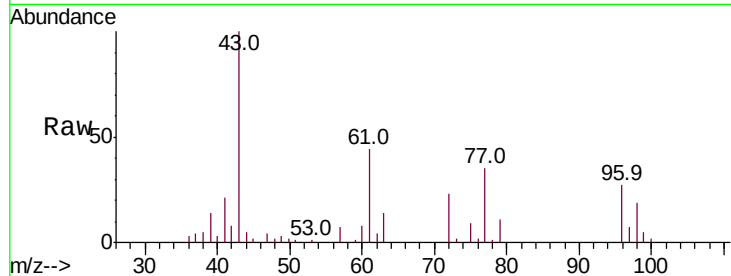
ClientSampleId :

Tot Ion: 43 Resp: 50090

Ion Ratio Lower Upper

43 100

72 23.1 19.8 29.8



#26

2,2-Dichloropropane

Concen: 4.143 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059684.D

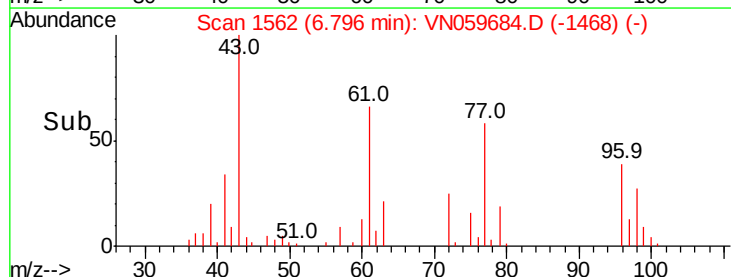
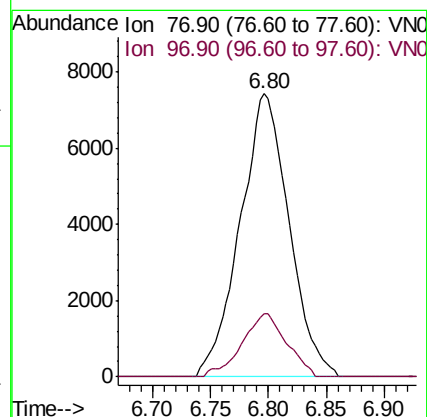
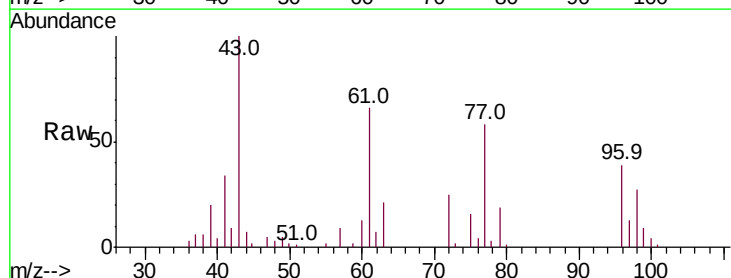
Acq: 20 Dec 2019 16:19

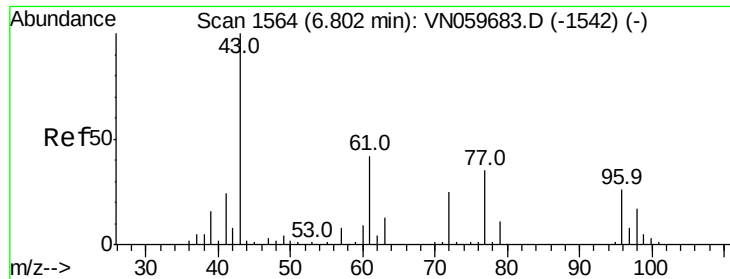
Tgt Ion: 77 Resp: 21798

Ion Ratio Lower Upper

77 100

97 20.4 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 4.226 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

ClientSampled :

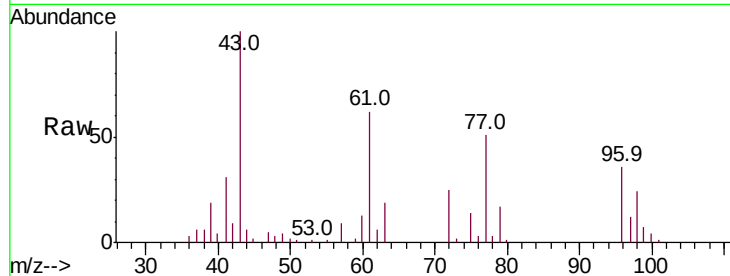
Tot Ion: 96 Resp: 14062

Ion Ratio Lower Upper

96 100

61 167.7 0.0 326.4

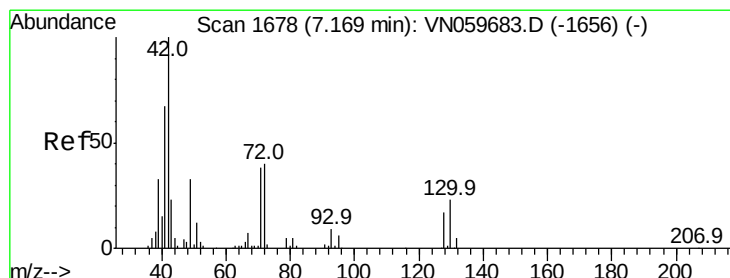
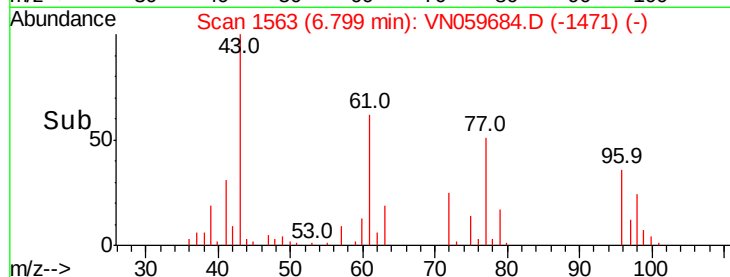
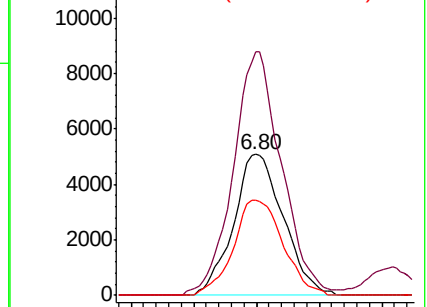
98 67.2 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN059683.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059683.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059683.D (-1542) (-)



#28

Bromochloromethane

Concen: 2.556 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

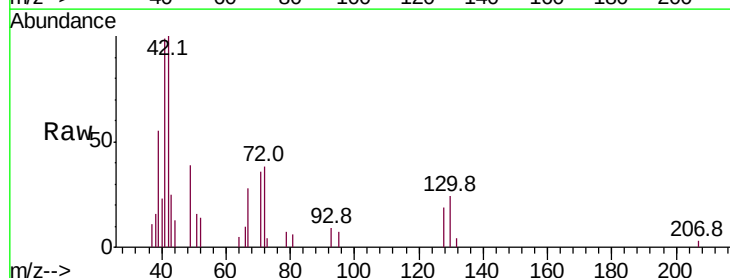
Tgt Ion: 49 Resp: 4910

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

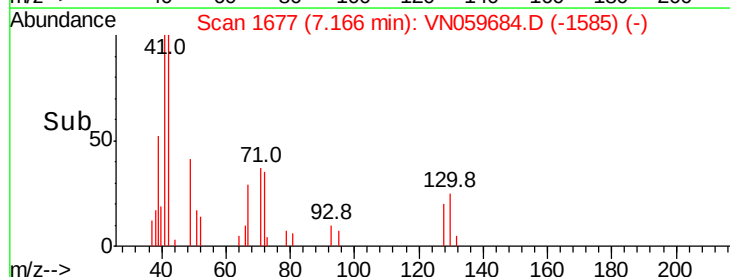
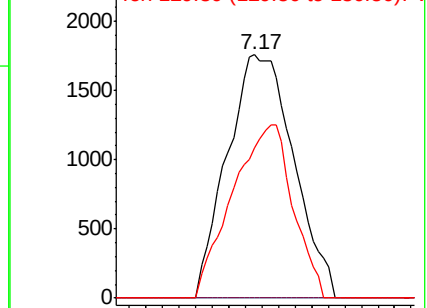
130 64.8 53.3 79.9

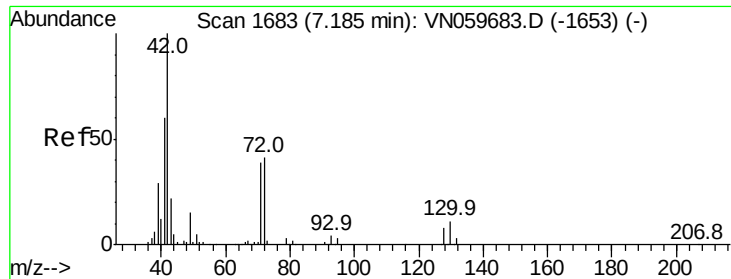


Abundance Ion 48.90 (48.60 to 49.60): VN059683.D (-1656) (-)

Ion 128.80 (128.50 to 129.50): VN059683.D (-1656) (-)

Ion 129.80 (129.50 to 130.50): VN059683.D (-1656) (-)

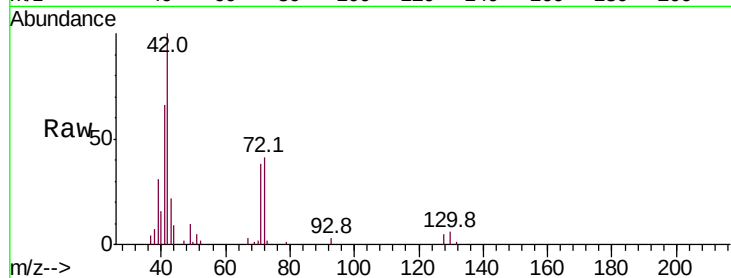




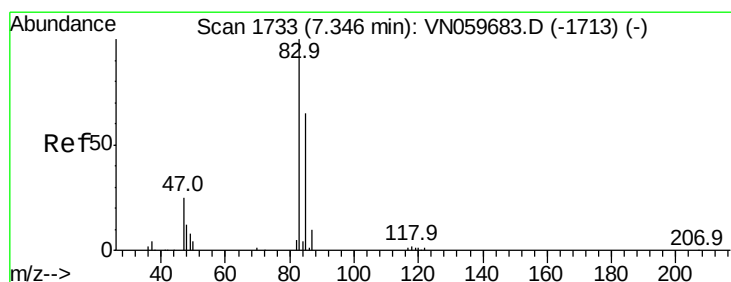
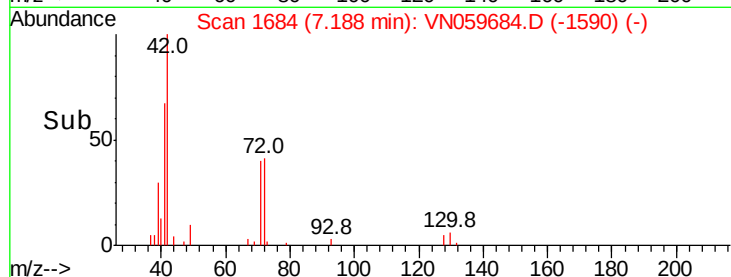
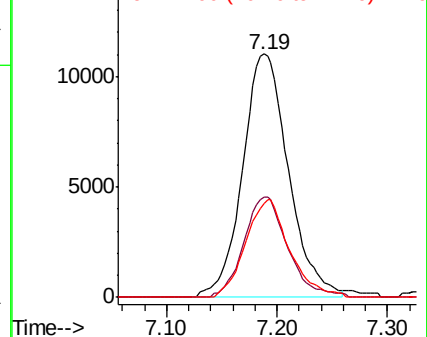
#29
Tetrahydrofuran
Concen: 19.429 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 42 Resp: 31825
Ion Ratio Lower Upper
42 100
72 39.3 32.6 49.0
71 38.4 31.2 46.8

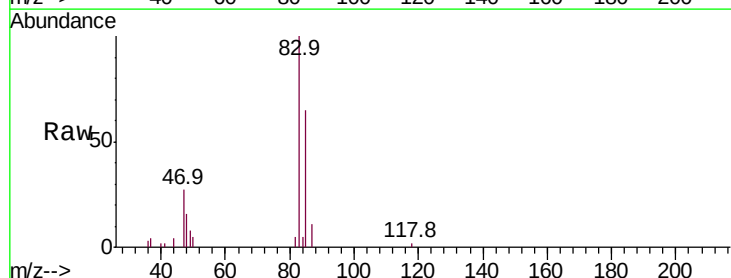


Abundance Ion 42.00 (41.70 to 42.70): VNO
15000 Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

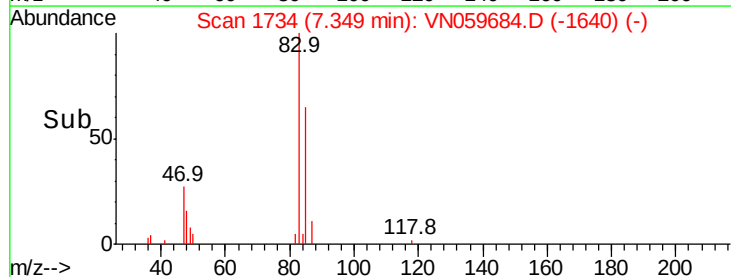
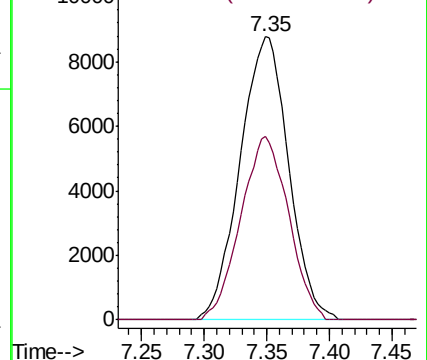


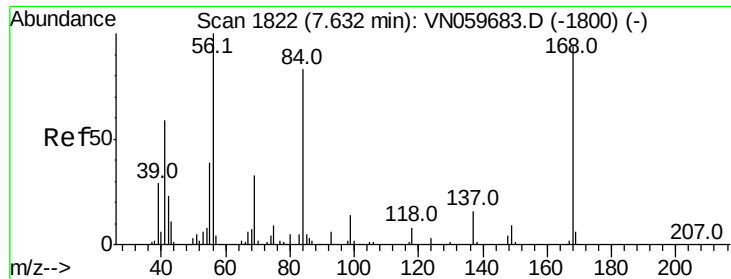
#30
Chloroform
Concen: 4.011 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion: 83 Resp: 23606
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
10000 Ion 84.90 (84.60 to 85.60): VNO

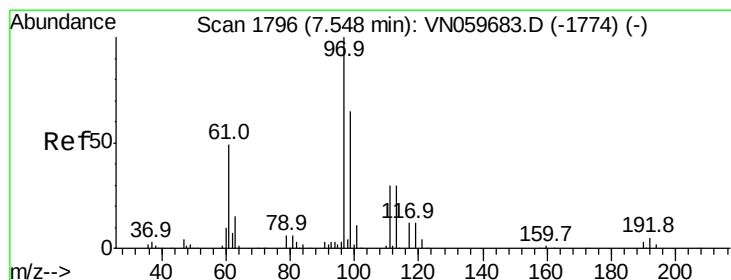
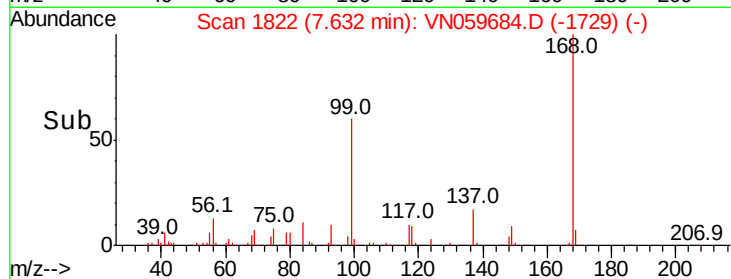
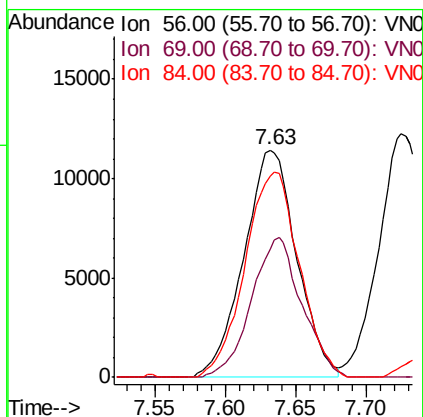
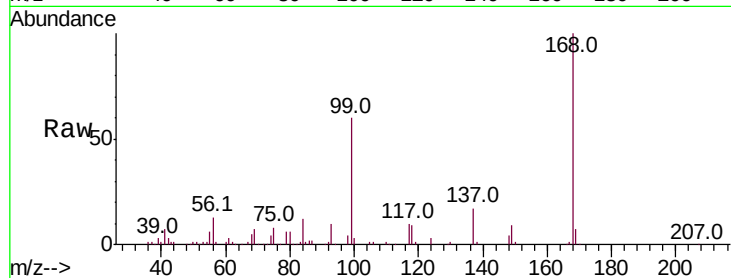




#31
Cyclohexane
Concen: 5.387 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

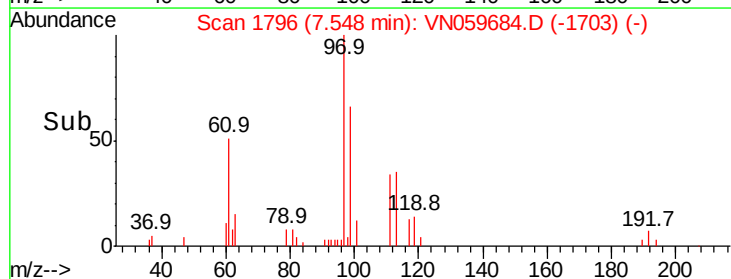
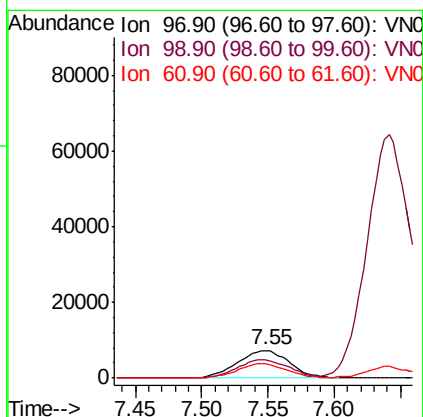
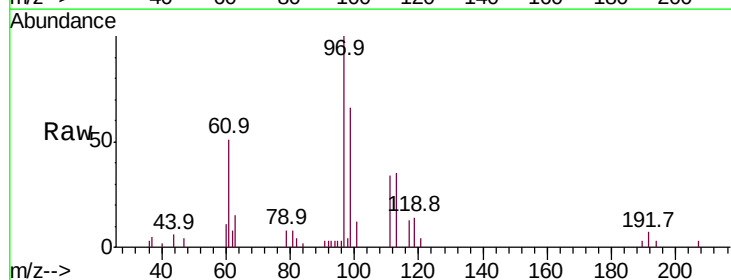
Instrument :
MSVOA_X
ClientSampled :

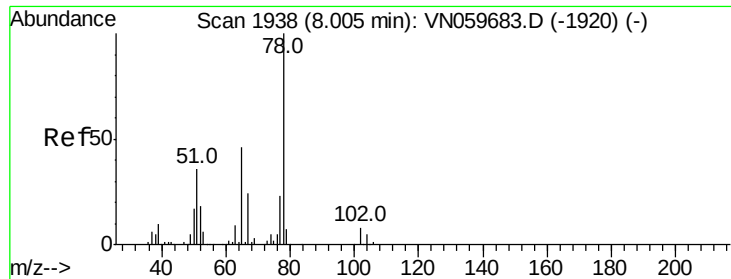
Tot Ion: 56 Resp: 29938
Ion Ratio Lower Upper
56 100
69 56.4 26.4 39.6#
84 88.5 66.2 99.2



#32
1,1,1-Trichloroethane
Concen: 3.853 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion: 97 Resp: 19978
Ion Ratio Lower Upper
97 100
99 67.3 51.4 77.0
61 50.2 38.9 58.3

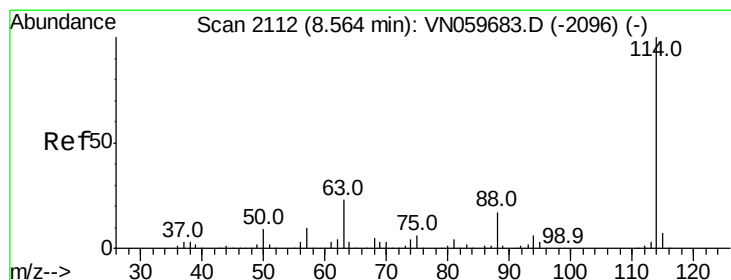
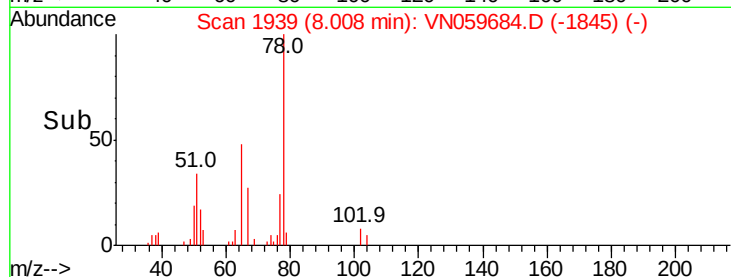
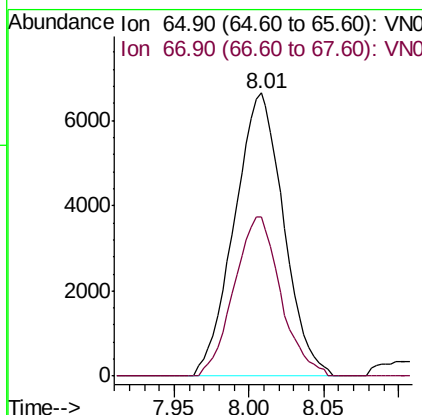
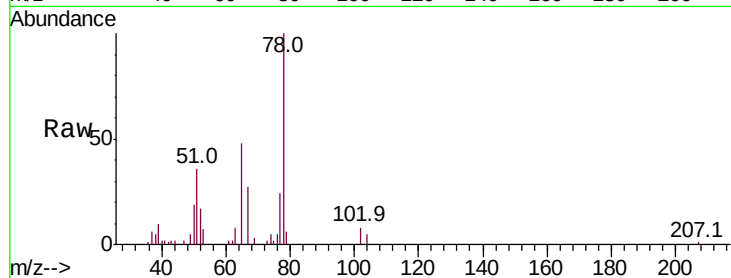




#33
 1,2-Dichloroethane-d4
 Concen: 4.029 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

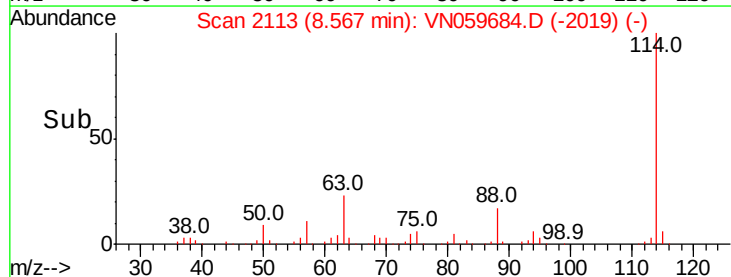
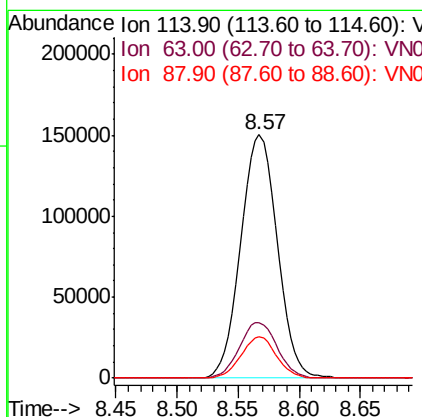
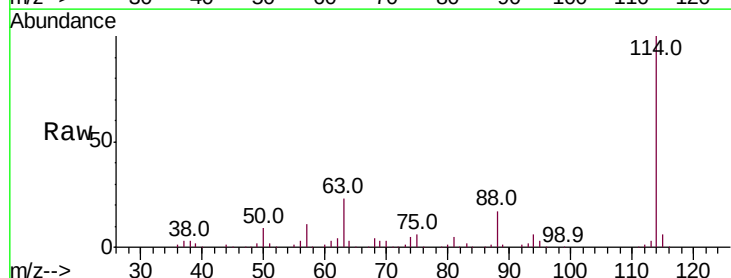
Instrument :
 MSVOA_X
 ClientSampleId :

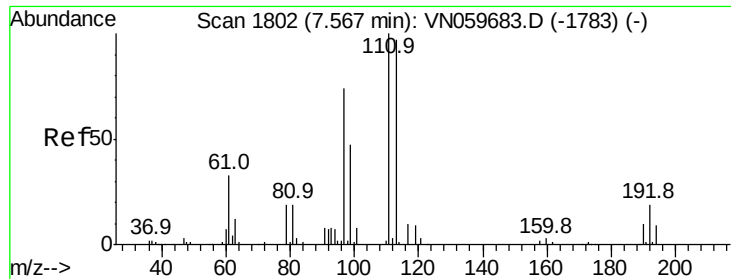
Tot Ion: 65 Resp: 15199
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

Tgt Ion: 114 Resp: 312020
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.2
 88 16.8 0.0 33.6

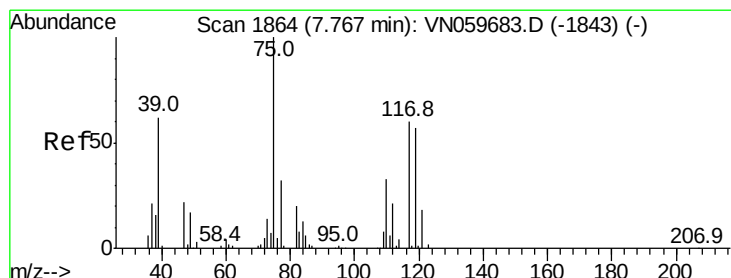
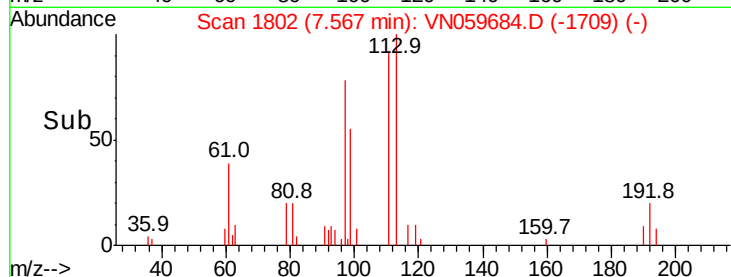
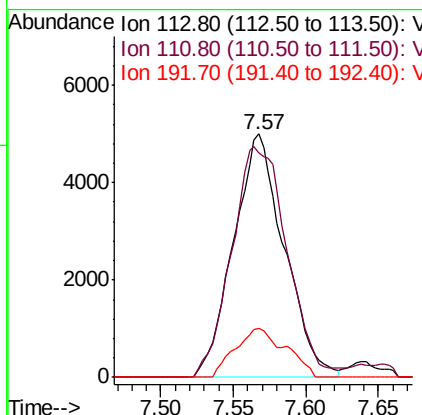
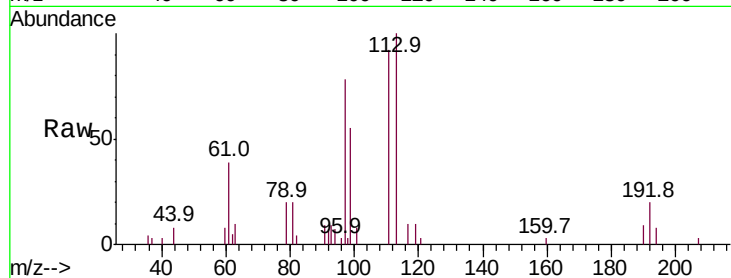




#35
 Dibromofluoromethane
 Concen: 6.364 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

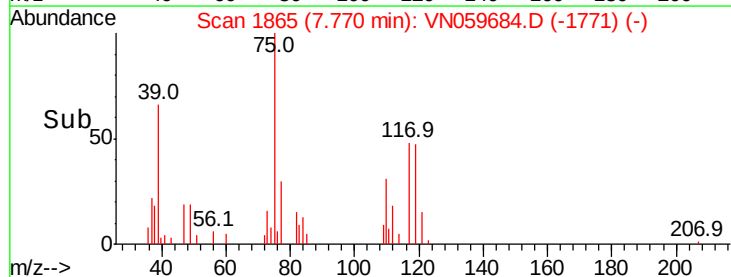
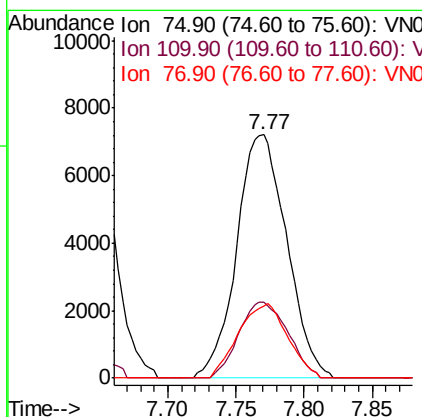
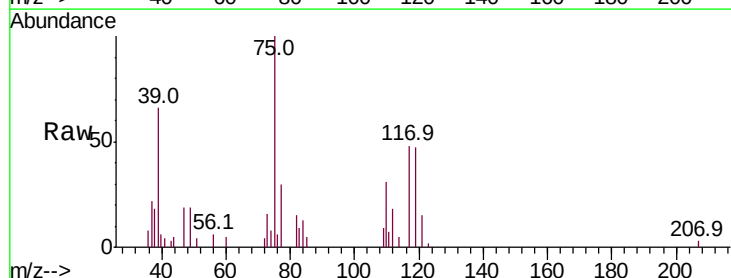
Instrument :
 MSVOA_X
 ClientSampleId :

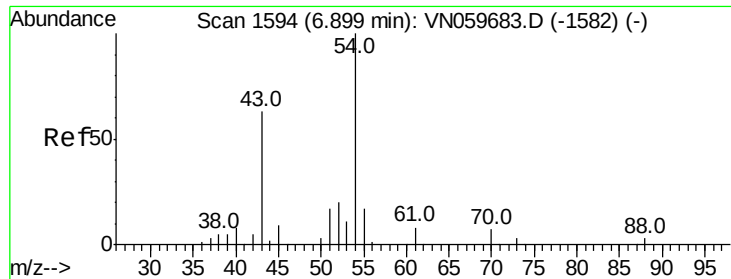
Tot Ion:113 Resp: 12202
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.0
 192 19.9 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 5.696 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

Tgt Ion: 75 Resp: 18384
 Ion Ratio Lower Upper
 75 100
 110 30.6 16.2 48.5
 77 30.0 24.6 37.0

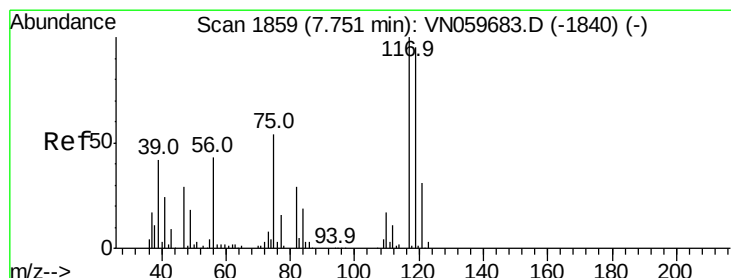
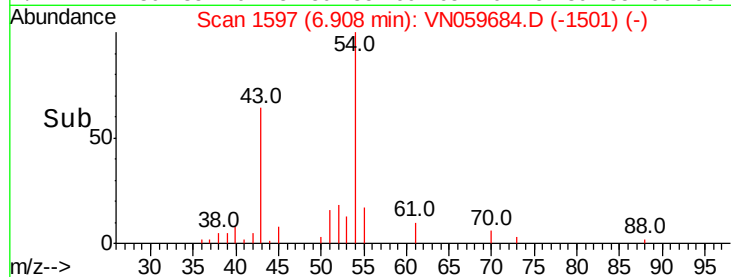
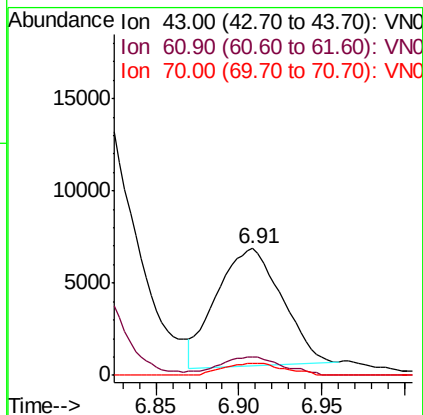
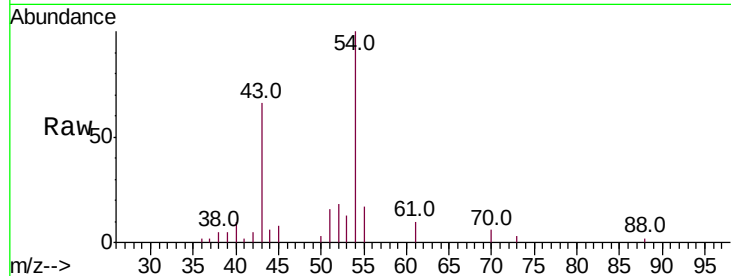




#37
Ethyl Acetate
Concen: 4.636 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

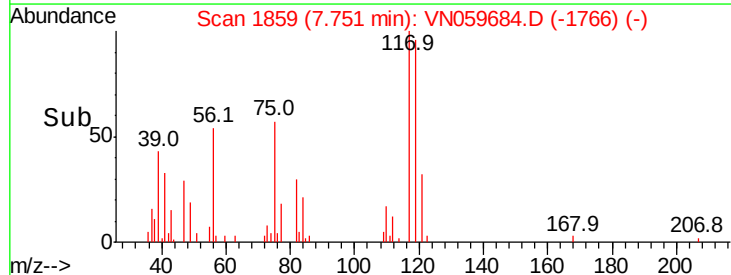
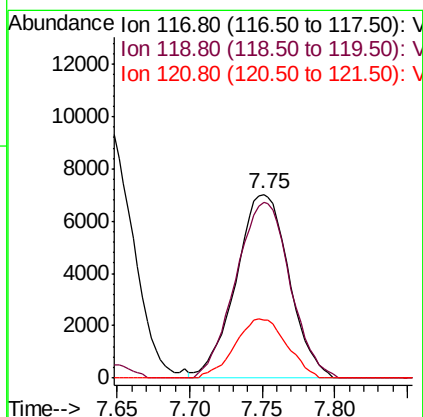
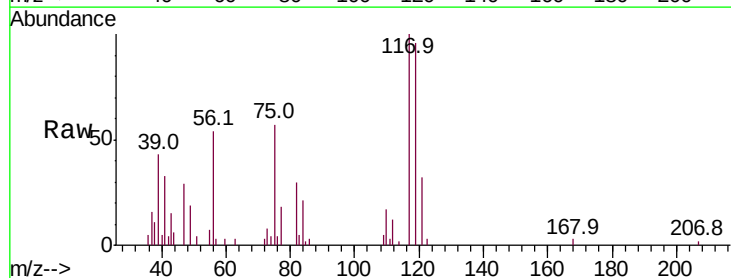
Instrument :
MSVOA_X
ClientSampleId :

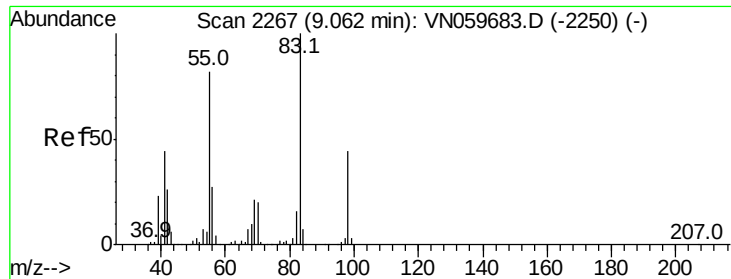
Tot Ion: 43 Resp: 17431
Ion Ratio Lower Upper
43 100
61 15.3 10.2 15.4
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 5.335 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion: 117 Resp: 17904
Ion Ratio Lower Upper
117 100
119 95.7 76.1 114.1
121 31.8 24.5 36.7

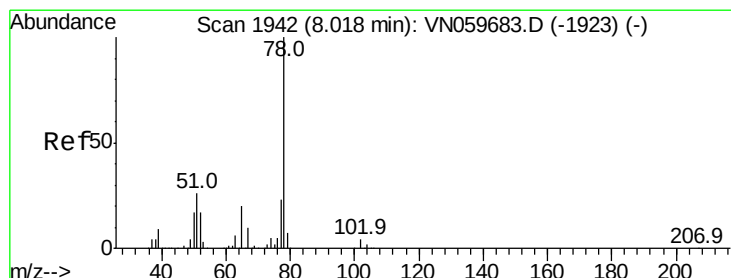
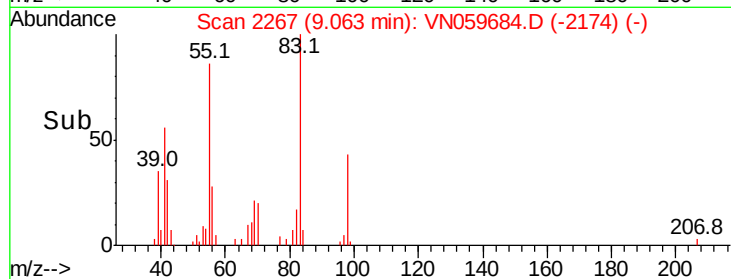
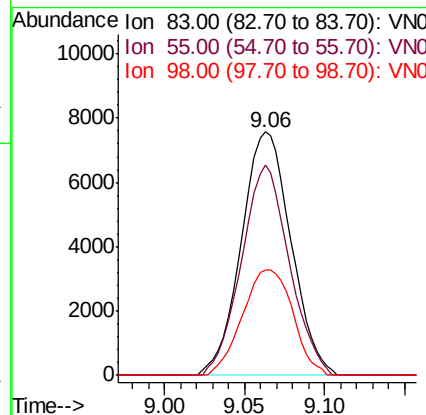
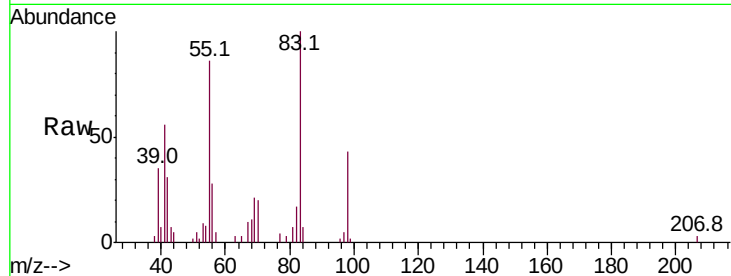




#39
Methylvlcyclohexane
Concen: 4.242 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

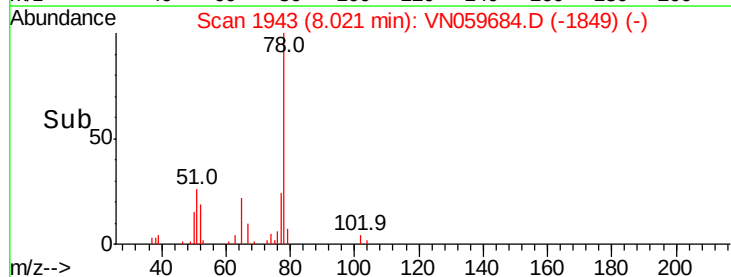
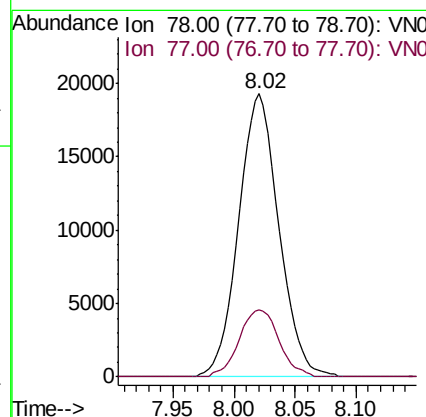
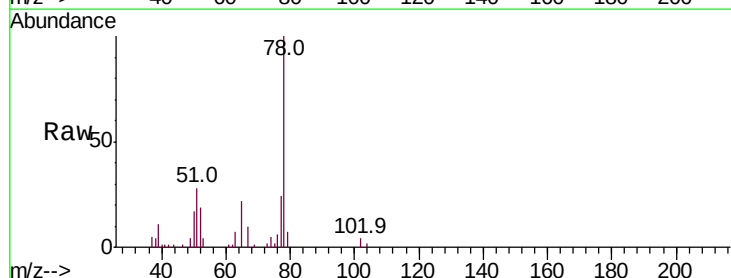
Instrument :
MSVOA_X
ClientSampleId :

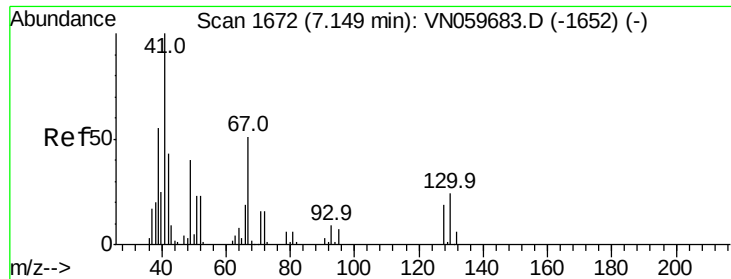
Tot Ion: 83 Resp: 16068
Ion Ratio Lower Upper
83 100
55 86.4 65.5 98.3
98 43.5 35.0 52.4



#40
Benzene
Concen: 4.669 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion: 78 Resp: 44071
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0

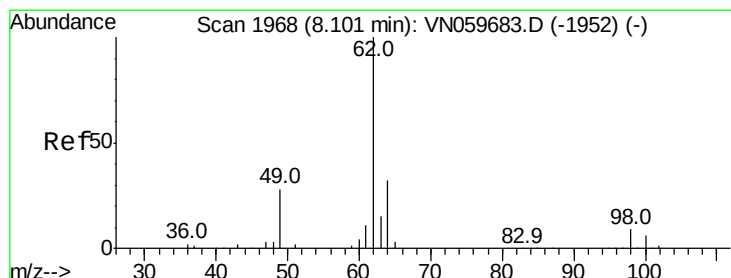
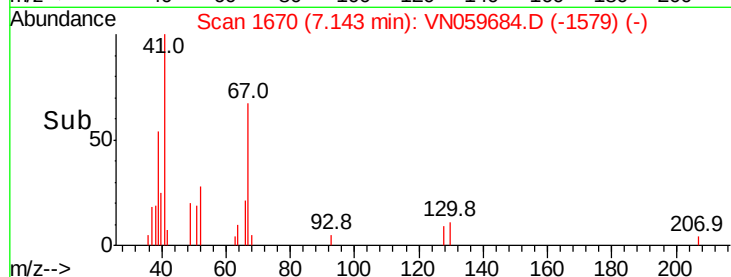
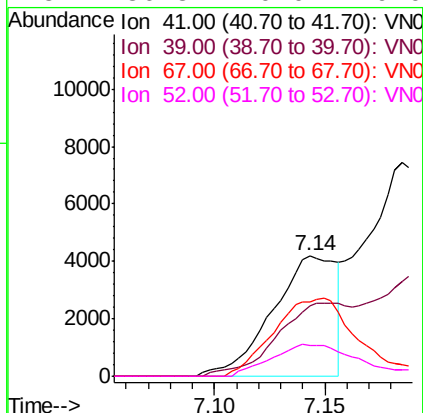
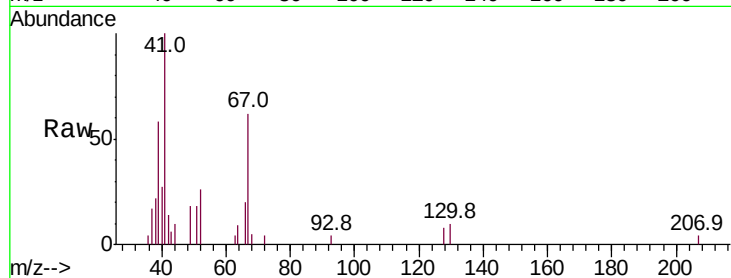




#41
Methacrylonitrile
Concen: 5.494 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

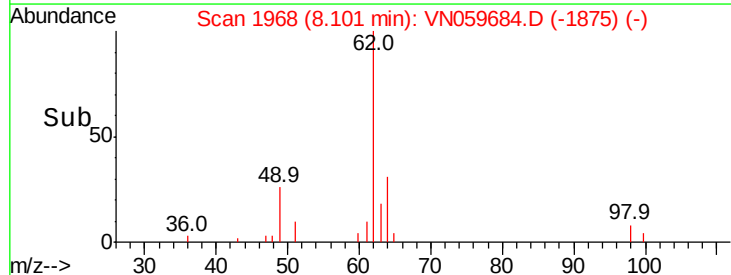
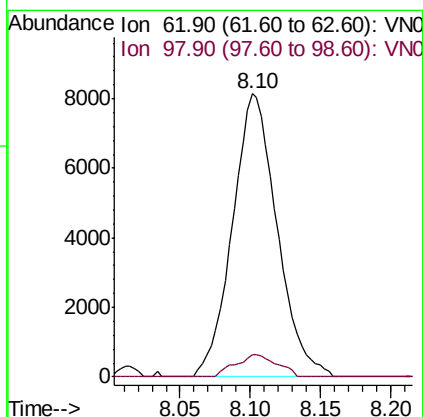
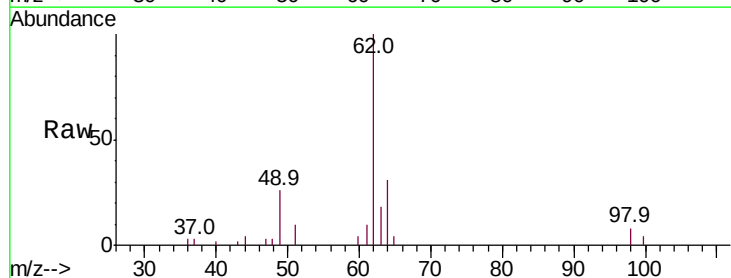
Instrument :
MSVOA_X
ClientSampled :

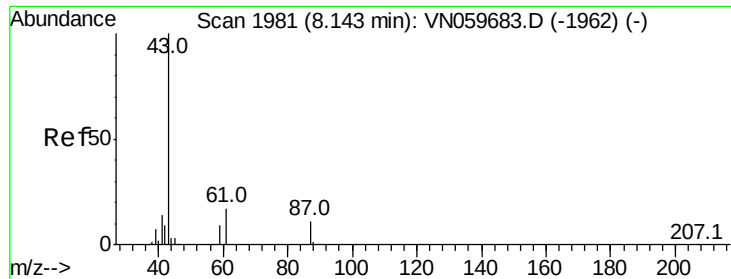
Tot Ion: 41 Resp: 8430
Ion Ratio Lower Upper
41 100
39 68.8 0.0 0.0#
67 85.3 0.0 0.0#
52 36.3 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 4.910 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion: 62 Resp: 18025
Ion Ratio Lower Upper
62 100
98 7.4 0.0 16.6





#43

Isopropyl Acetate

Concen: 4.430 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

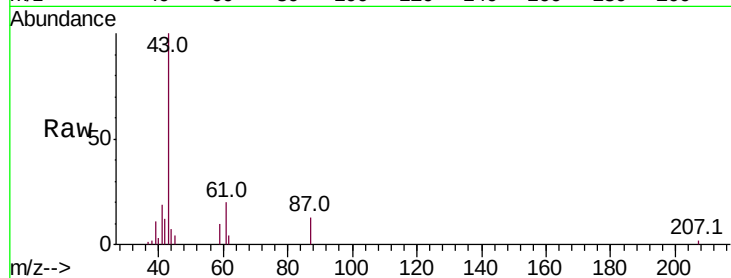
Tot Ion: 43 Resp: 26309

Ion Ratio Lower Upper

43 100

61 18.7 20.6 30.8#

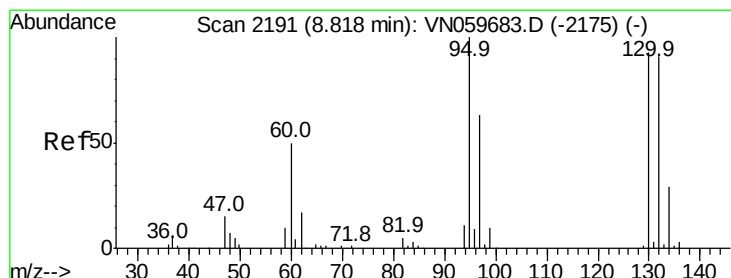
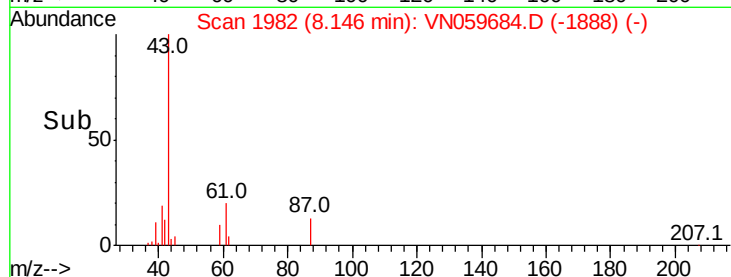
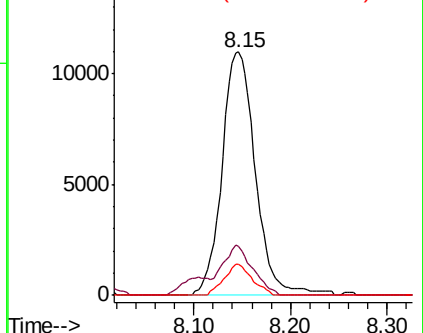
87 10.7 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN059683.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059683.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059683.D (-1962) (-)



#44

Trichloroethene

Concen: 4.627 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059684.D

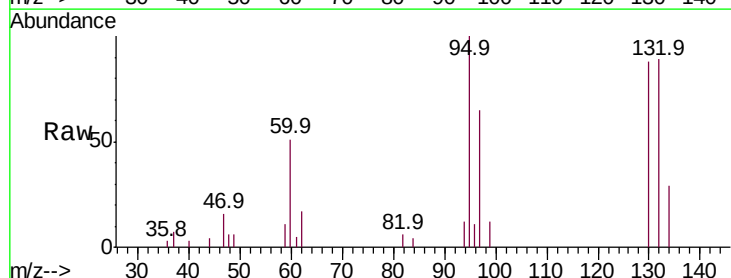
Acq: 20 Dec 2019 16:19

Tgt Ion:130 Resp: 11361

Ion Ratio Lower Upper

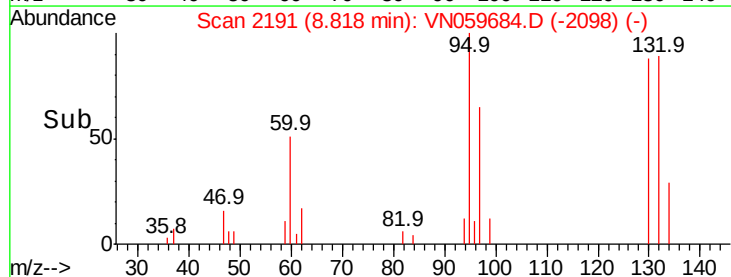
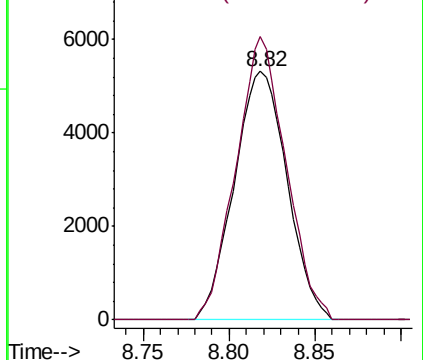
130 100

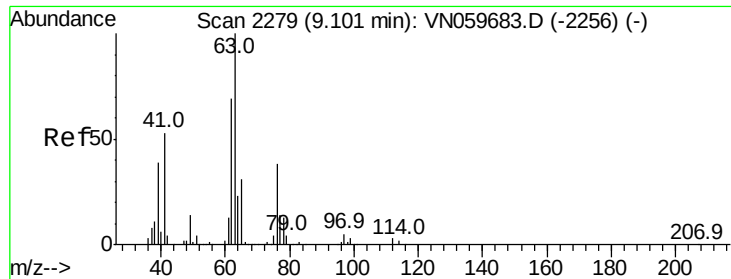
95 113.8 0.0 214.8



Abundance Ion 129.80 (129.50 to 130.50): VN059683.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059683.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 4.654 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

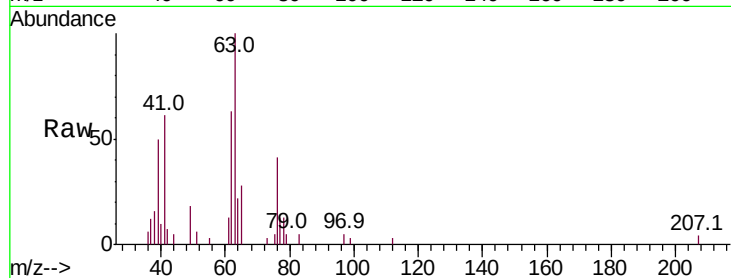
ClientSampleId :

Tot Ion: 63 Resp: 12302

Ion Ratio Lower Upper

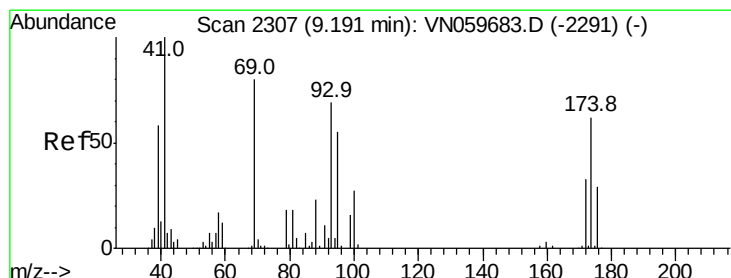
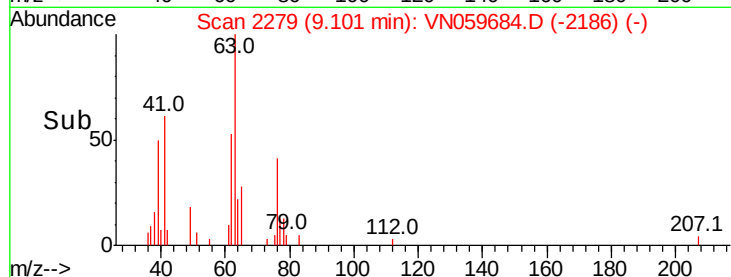
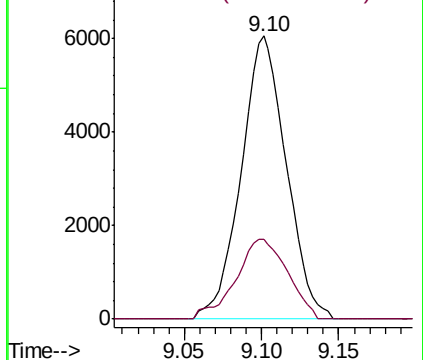
63 100

65 28.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 4.370 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

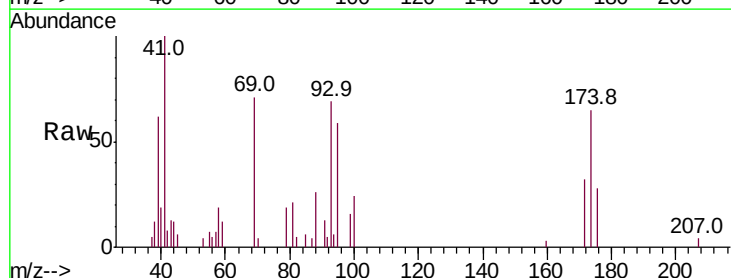
Tgt Ion: 93 Resp: 7381

Ion Ratio Lower Upper

93 100

95 85.1 65.2 97.8

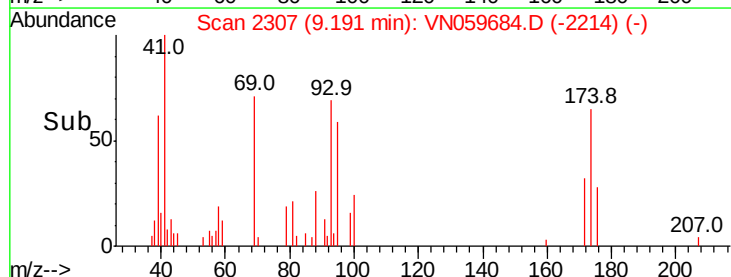
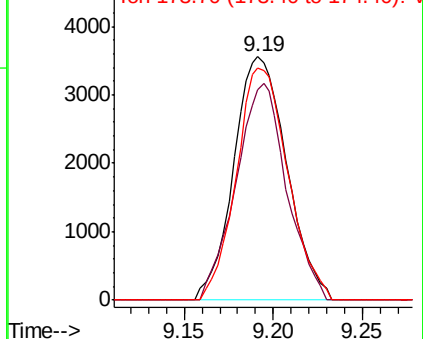
174 92.7 73.1 109.7

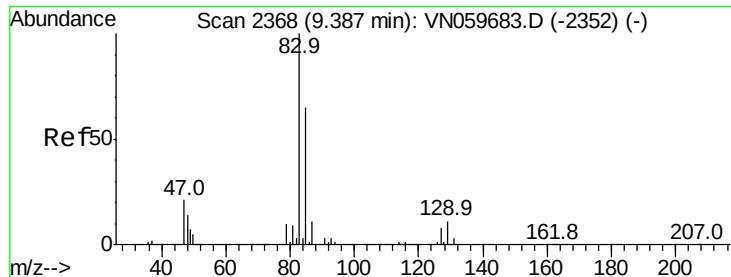


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.597 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

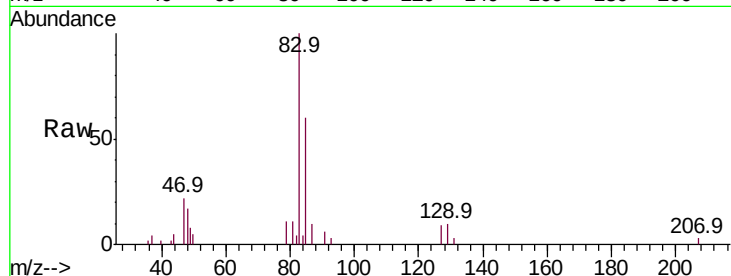
Tot Ion: 83 Resp: 15509

Ion Ratio Lower Upper

83 100

85 60.2 52.1 78.1

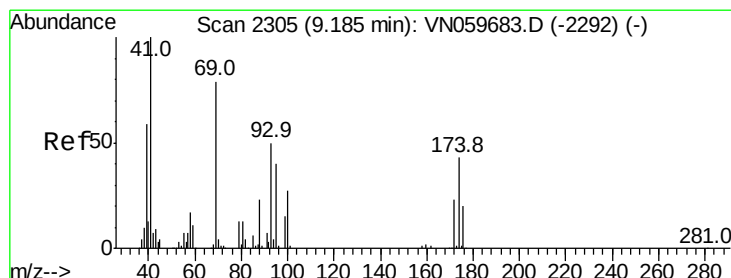
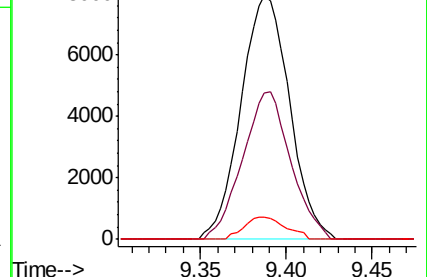
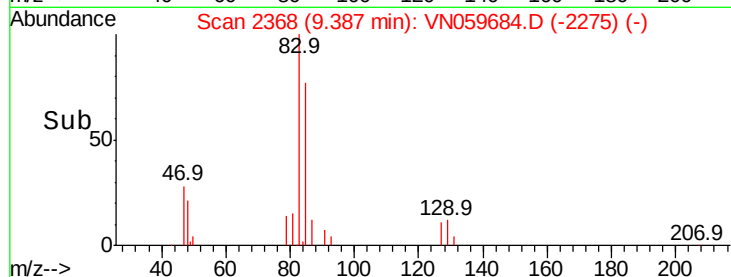
127 9.0 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN059683.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059683.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059683.D (-2352) (-)



#48

Methyl methacrylate

Concen: 4.182 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

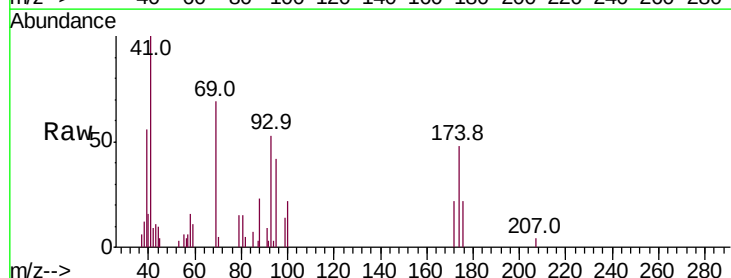
Tgt Ion: 41 Resp: 11207

Ion Ratio Lower Upper

41 100

69 73.3 63.0 94.6

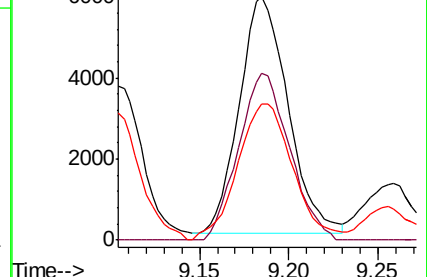
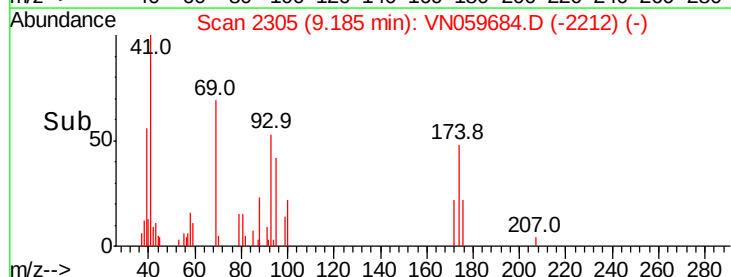
39 64.9 48.0 72.0

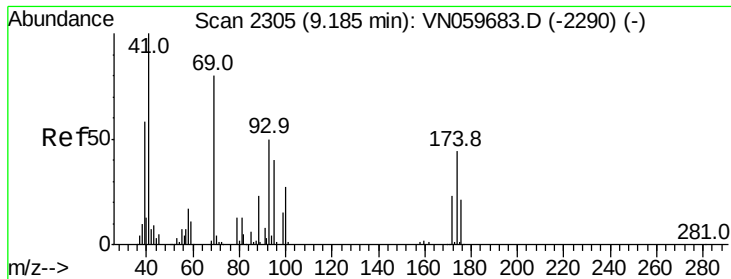


Abundance Ion 41.00 (40.70 to 41.70): VN059683.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN059683.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN059683.D (-2292) (-)

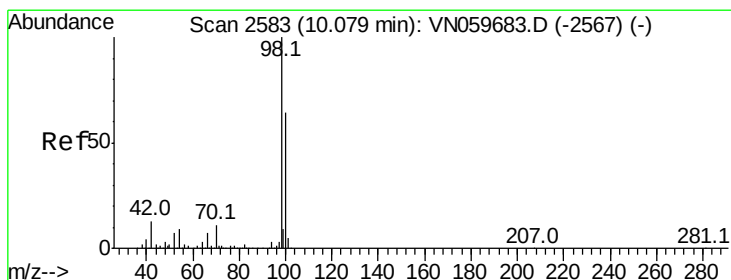
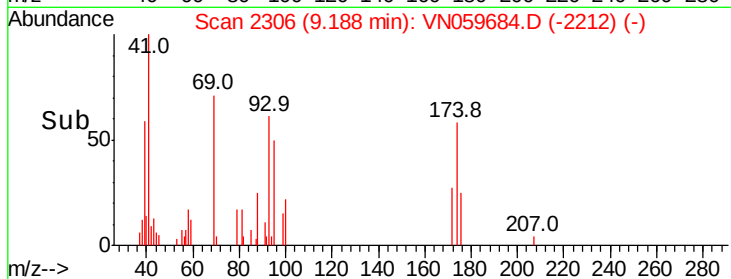
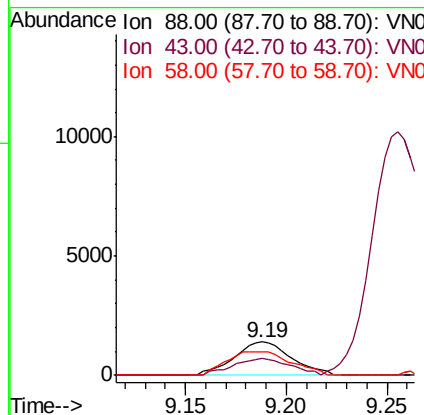
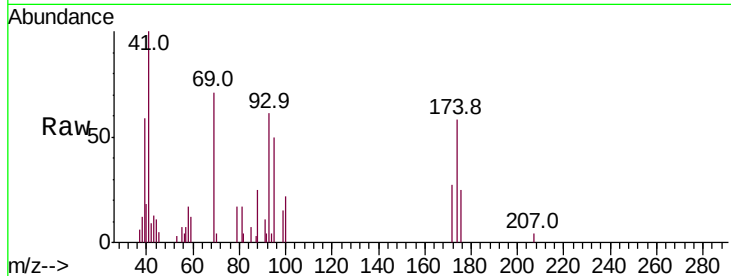




#49
1,4-Dioxane
Concen: 74.165 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

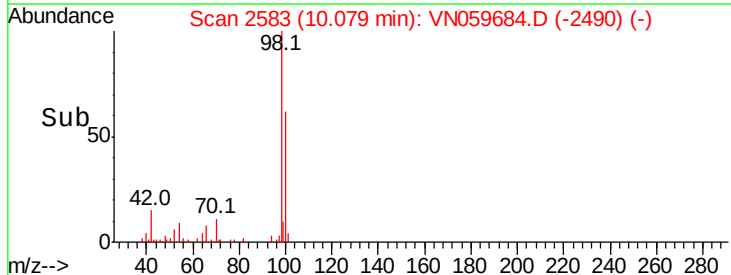
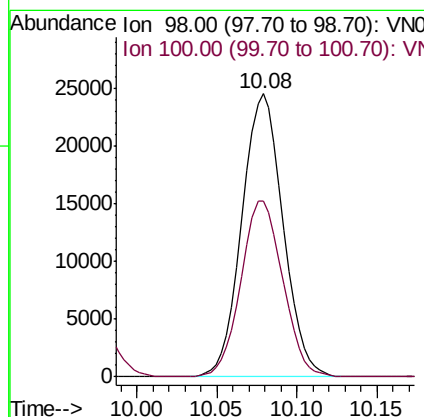
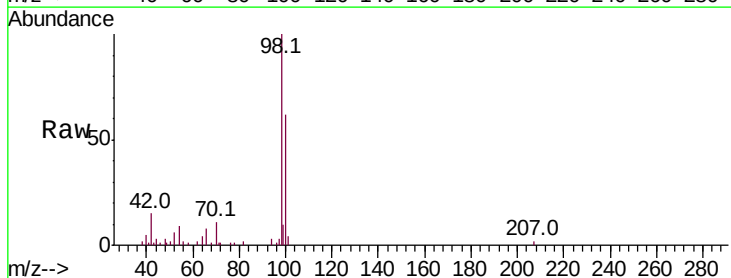
Instrument :
MSVOA_X
ClientSampleId :

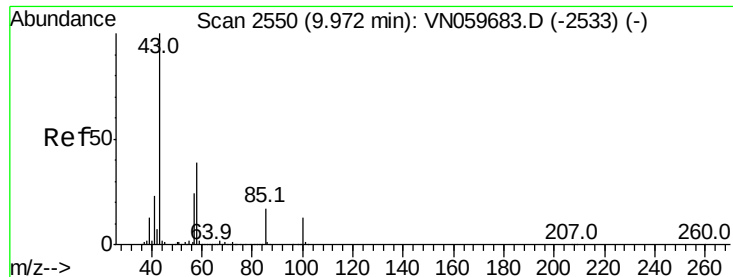
Tot Ion: 88 Resp: 2771
Ion Ratio Lower Upper
88 100
43 50.9 30.2 45.4#
58 79.4 60.1 90.1



#50
Toluene-d8
Concen: 5.645 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion: 98 Resp: 42931
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.6

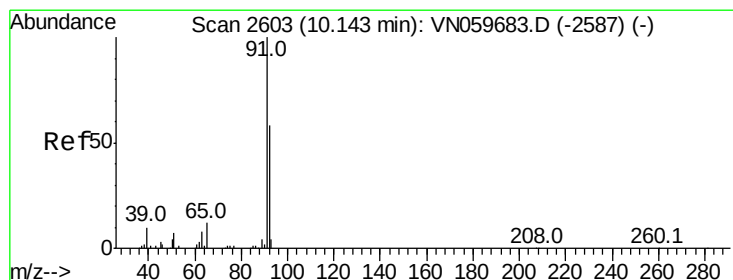
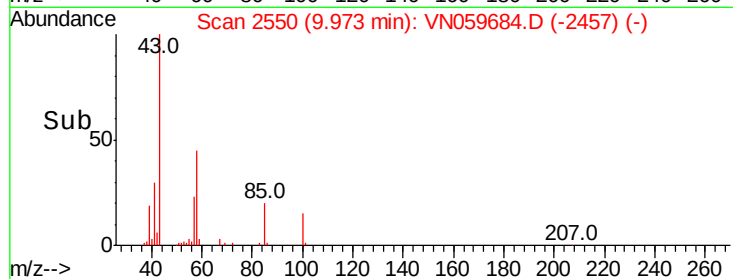
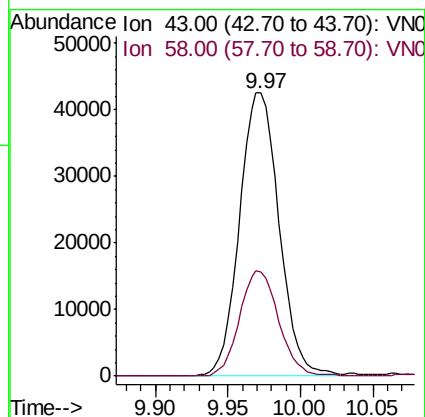
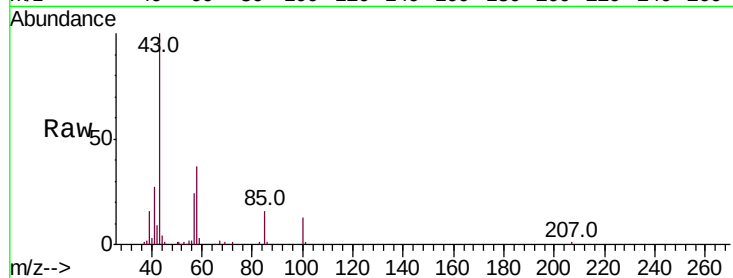




#51
 4-Methyl-2-Pentanone
 Concen: 22.920 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

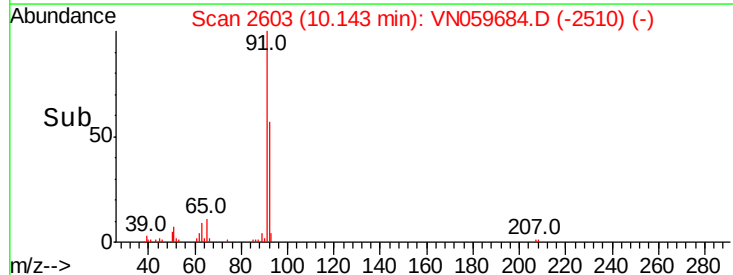
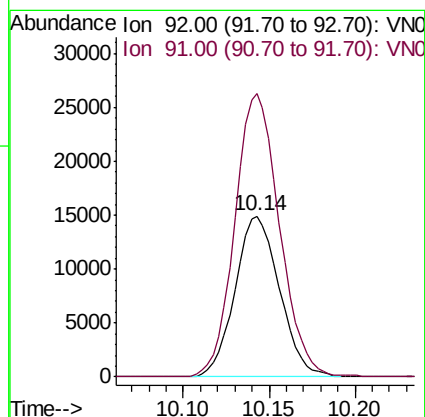
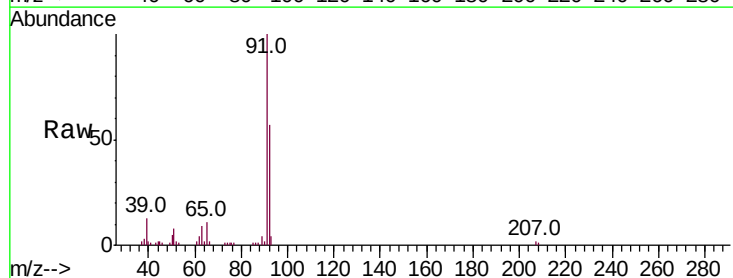
Instrument :
 MSVOA_X
 ClientSampleId :

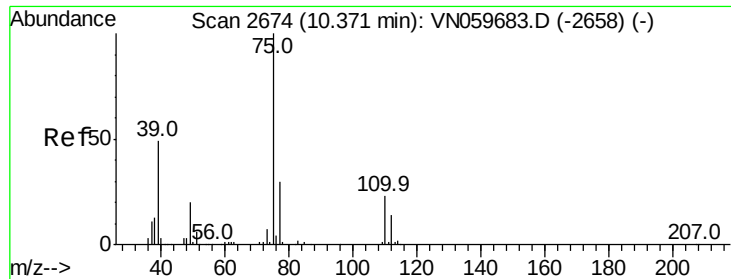
Tot Ion: 43 Resp: 80774
 Ion Ratio Lower Upper
 43 100
 58 36.6 30.1 45.1



#52
 Toluene
 Concen: 4.494 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

Tgt Ion: 92 Resp: 26795
 Ion Ratio Lower Upper
 92 100
 91 177.3 138.6 207.8





#53

t-1,3-Dichloropropene

Concen: 4.213 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

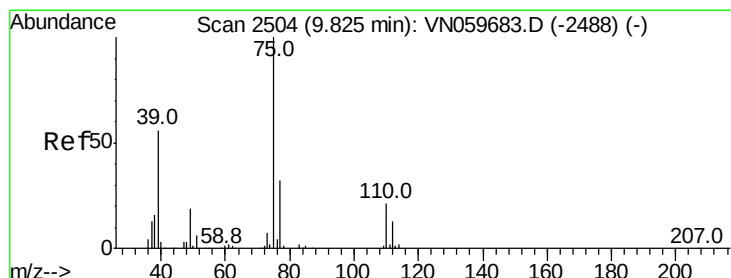
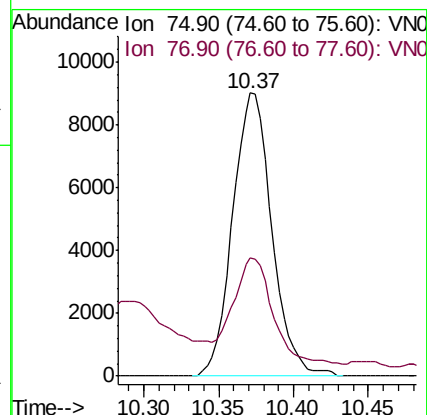
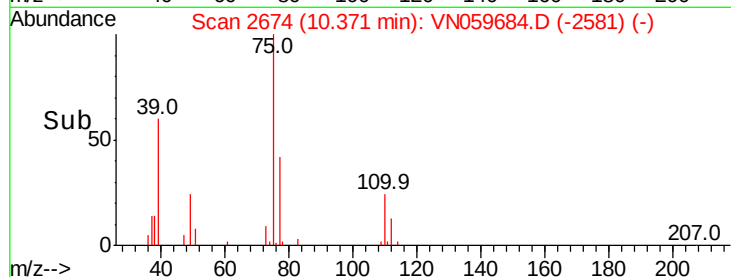
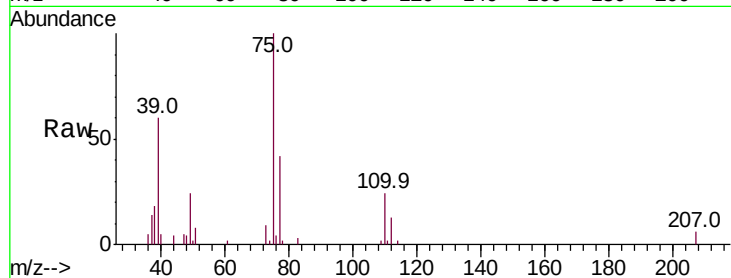
ClientSampled :

Tot Ion: 75 Resp: 16470

Ion Ratio Lower Upper

75 100

77 37.7 24.9 37.3#



#54

cis-1,3-Dichloropropene

Concen: 4.879 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

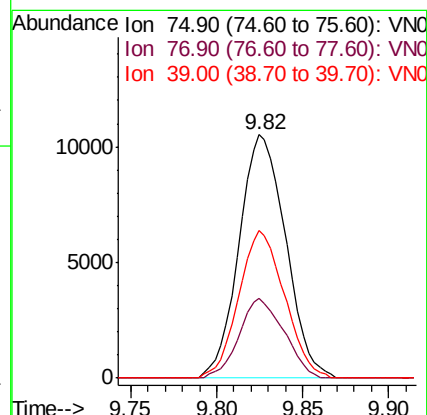
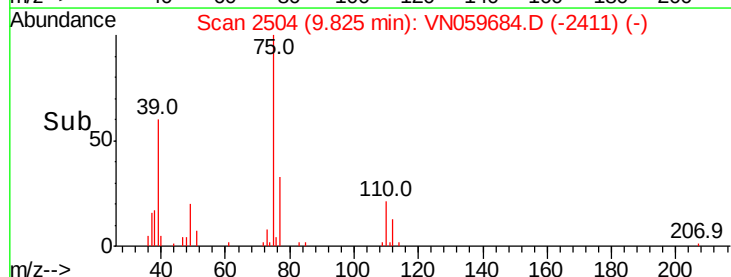
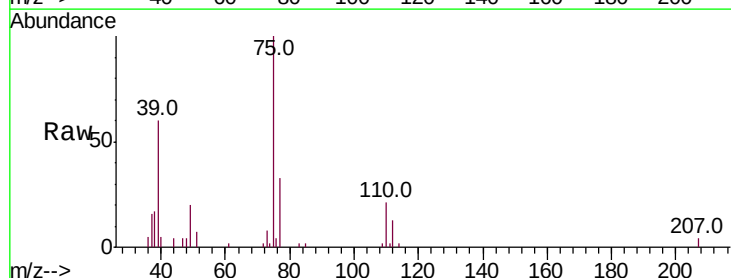
Tgt Ion: 75 Resp: 19853

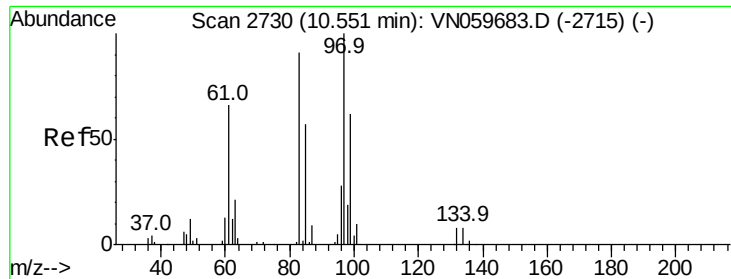
Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4

39 60.4 44.6 66.8

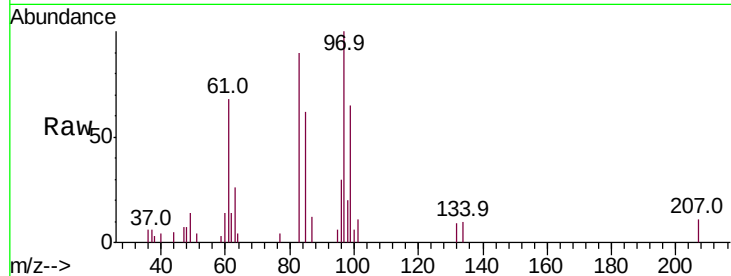




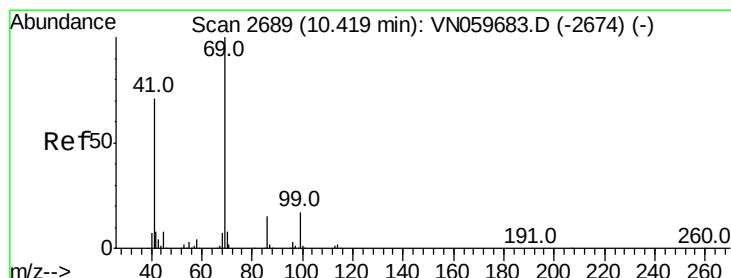
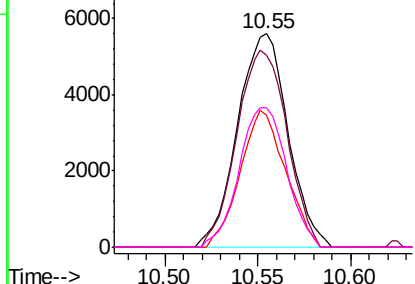
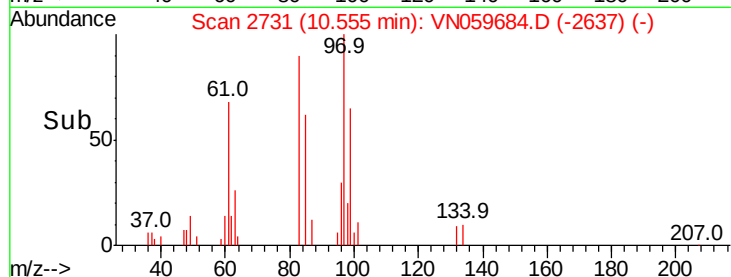
#55
 1,1,2-Trichloroethane
 Concen: 4.604 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 97 Resp: 10641
 Ion Ratio Lower Upper
 97 100
 83 90.1 72.6 108.8
 85 61.6 45.7 68.5
 99 65.2 49.2 73.8

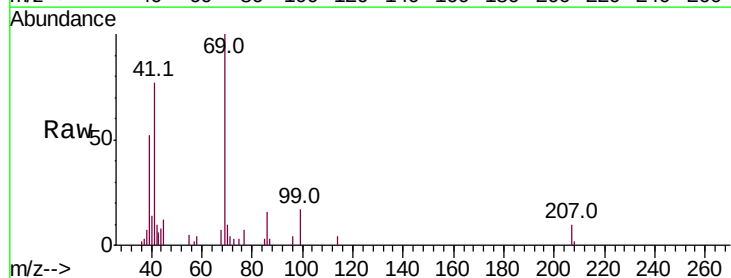


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

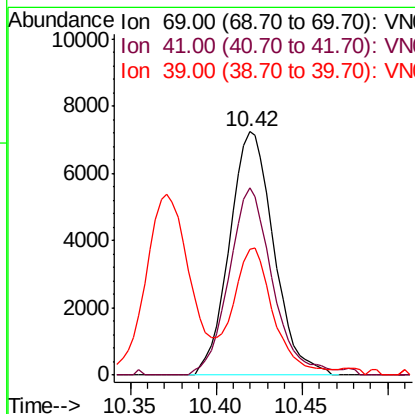
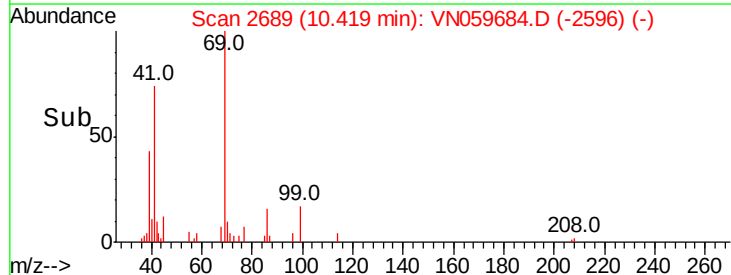


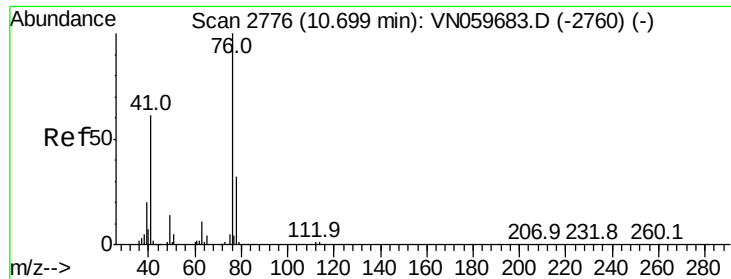
#56
 Ethyl methacrylate
 Concen: 3.820 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

Tgt Ion: 69 Resp: 12990
 Ion Ratio Lower Upper
 69 100
 41 75.6 56.7 85.1
 39 43.8 32.6 48.8



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





#57

1,3-Dichloropropane

Concen: 4.478 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

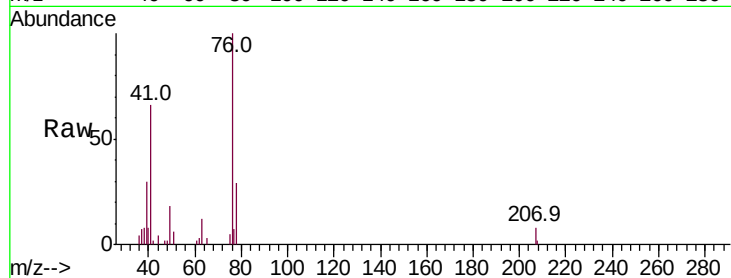
ClientSampled :

Tot Ion: 76 Resp: 18349

Ion Ratio Lower Upper

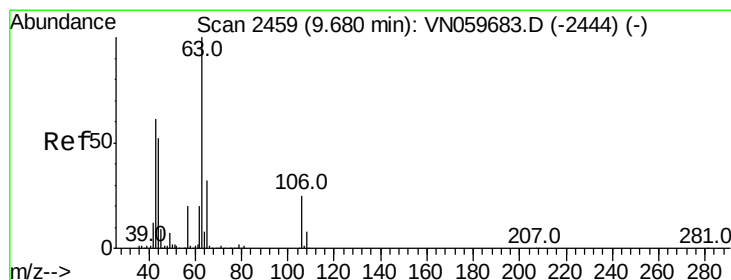
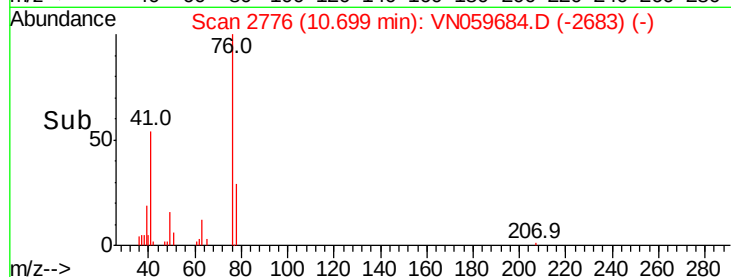
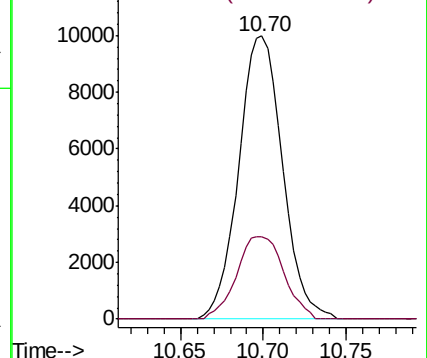
76 100

78 31.5 25.9 38.9



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: 22.439 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059684.D

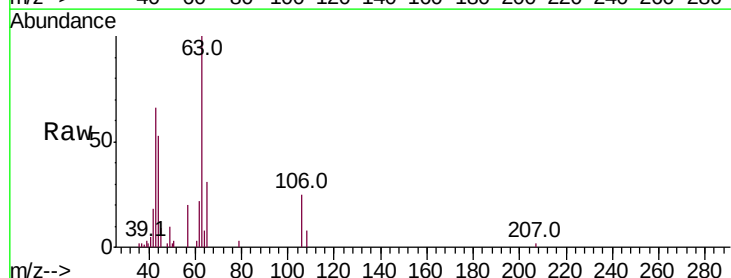
Acq: 20 Dec 2019 16:19

Tgt Ion: 63 Resp: 25034

Ion Ratio Lower Upper

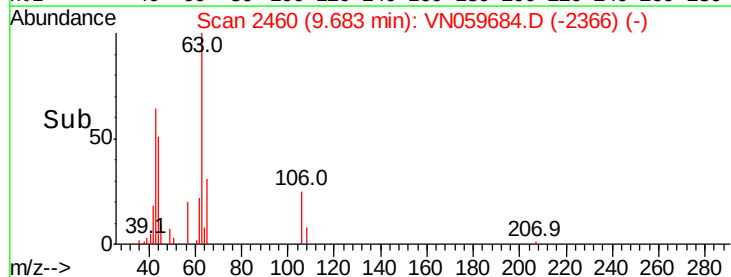
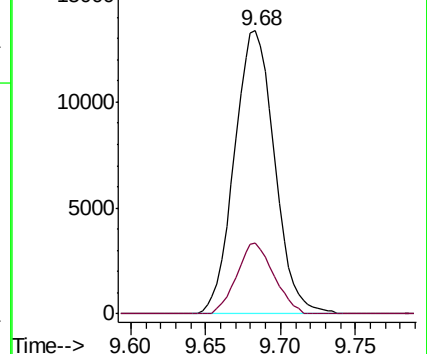
63 100

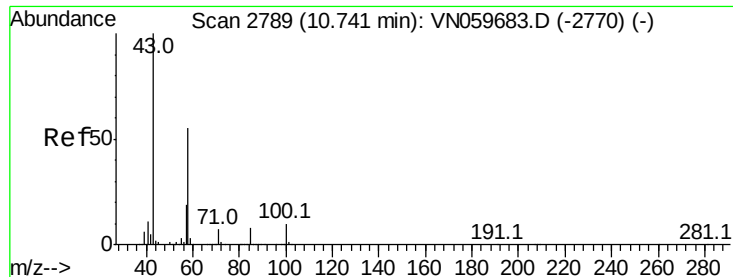
106 23.0 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

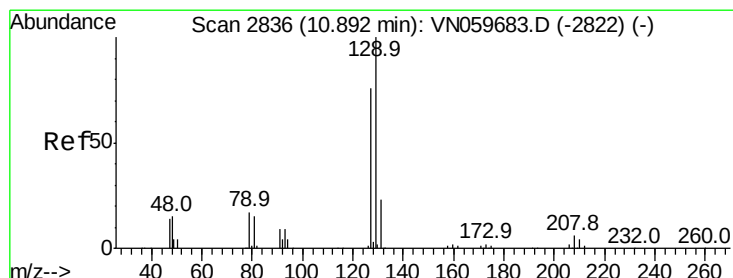
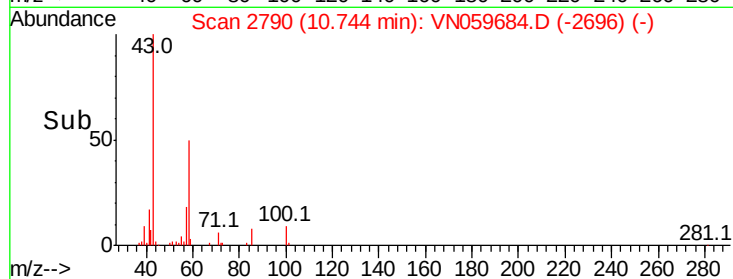
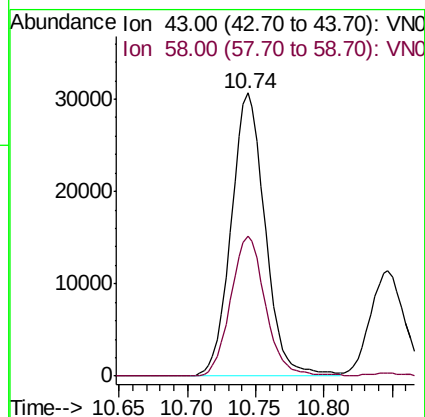
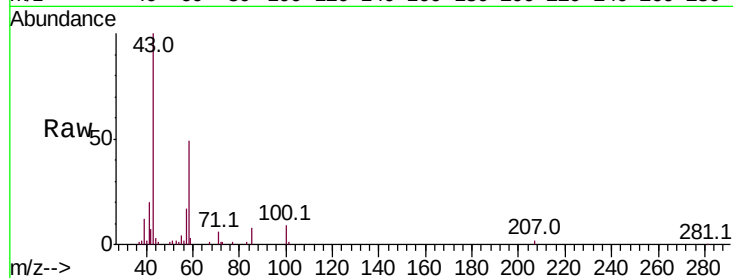




#59
2-Hexanone
Concen: 19.077 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

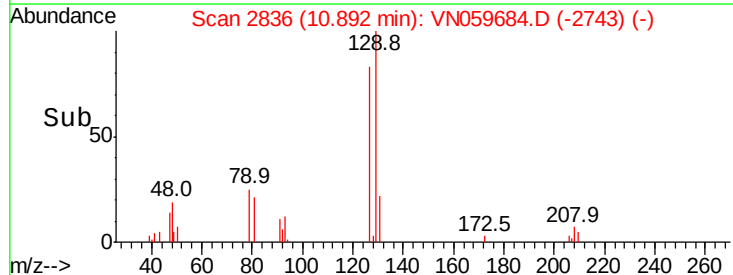
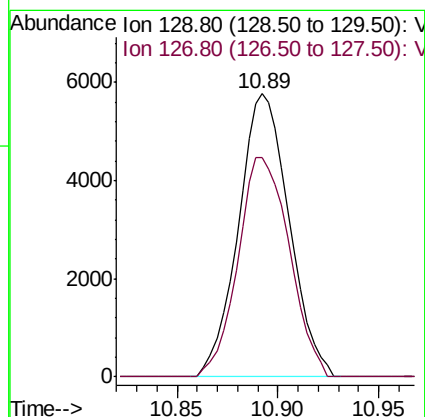
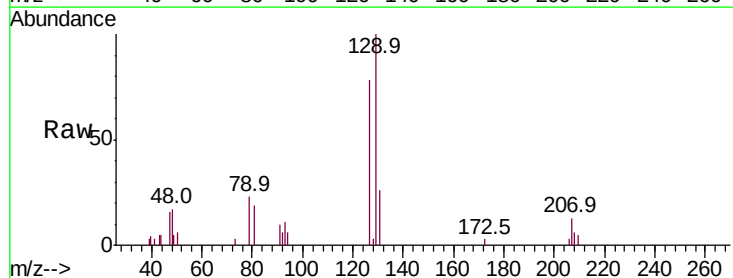
Instrument :
MSVOA_X
ClientSampled :

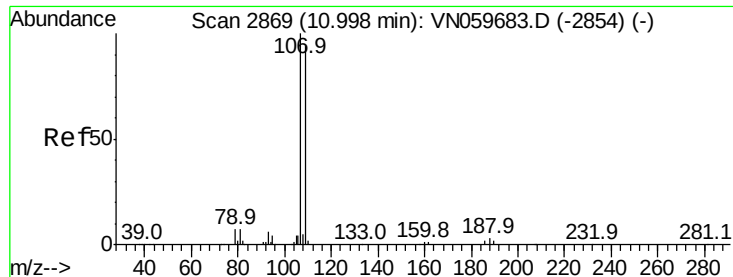
Tot Ion: 43 Resp: 53046
Ion Ratio Lower Upper
43 100
58 50.2 27.6 82.7



#60
Dibromochloromethane
Concen: 4.003 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion:129 Resp: 10129
Ion Ratio Lower Upper
129 100
127 78.8 38.4 115.2





#61

1,2-Dibromoethane

Concen: 3.810 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

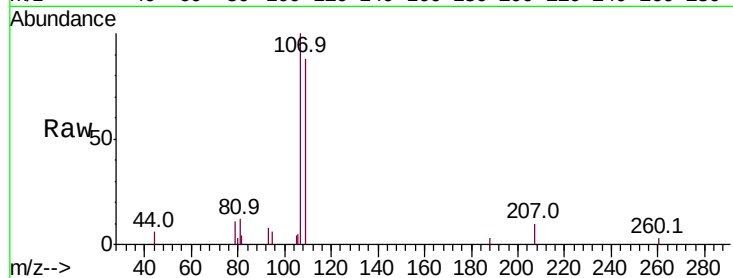
ClientSampleId :

Tot Ion:107 Resp: 9464

Ion Ratio Lower Upper

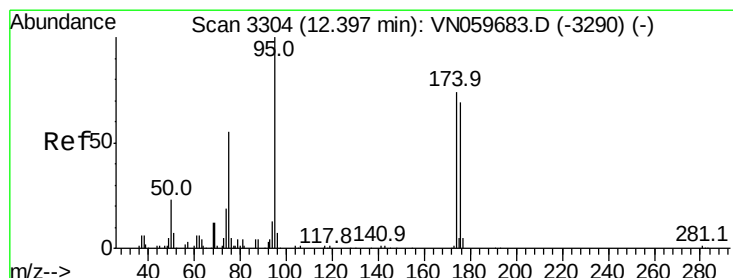
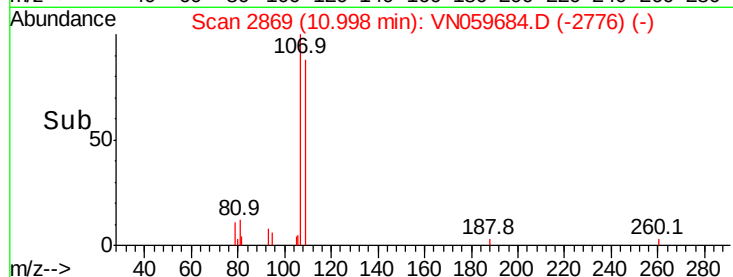
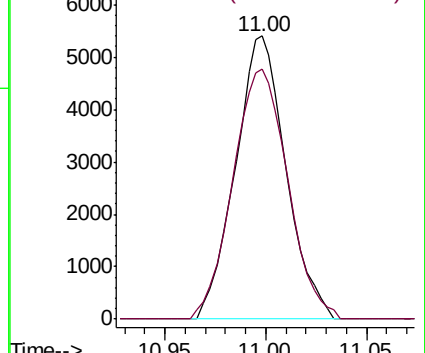
107 100

109 95.7 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.994 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

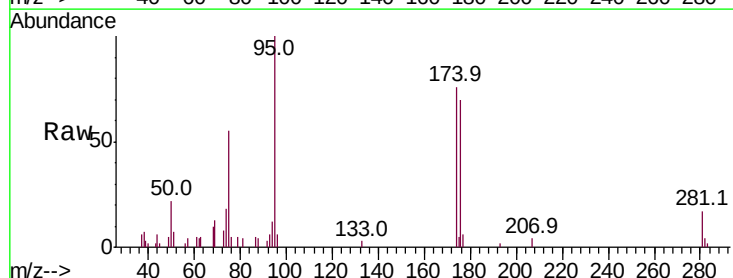
Tgt Ion: 95 Resp: 13323

Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.2

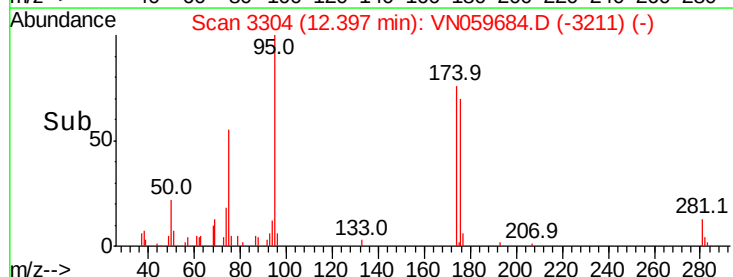
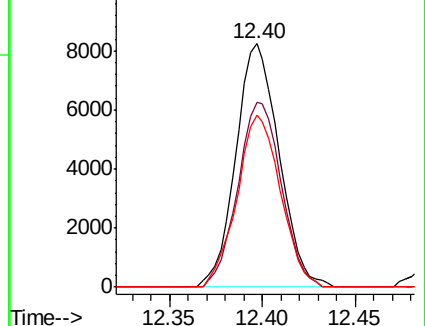
176 71.1 0.0 144.0

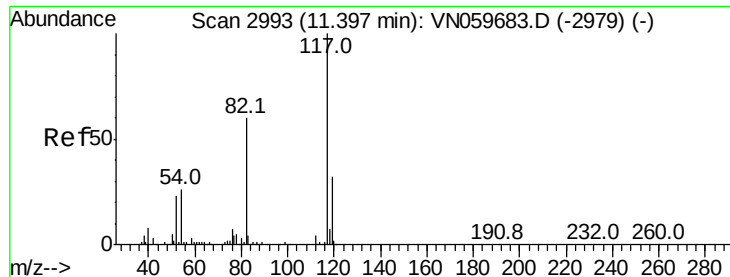


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

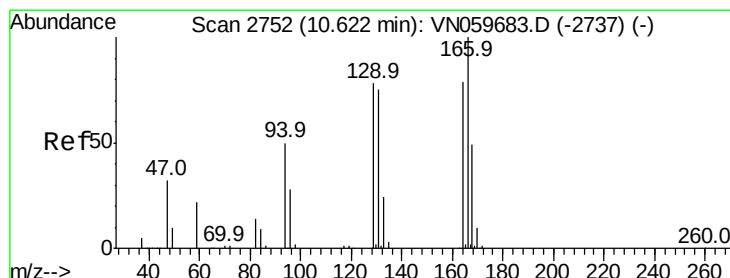
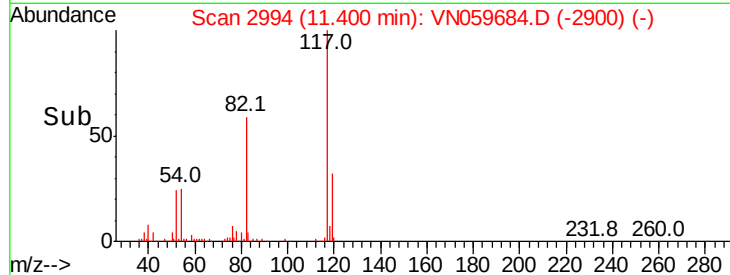
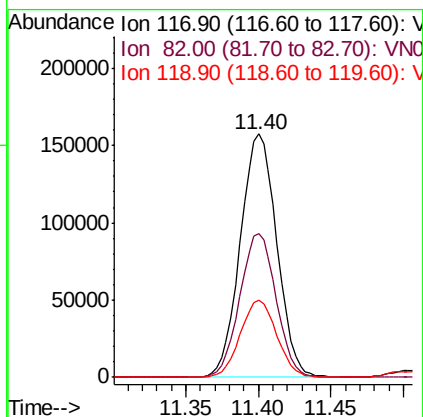
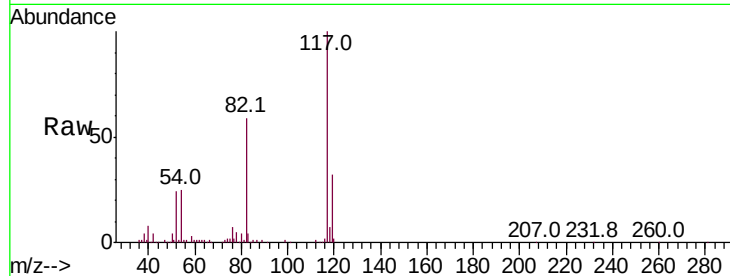




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

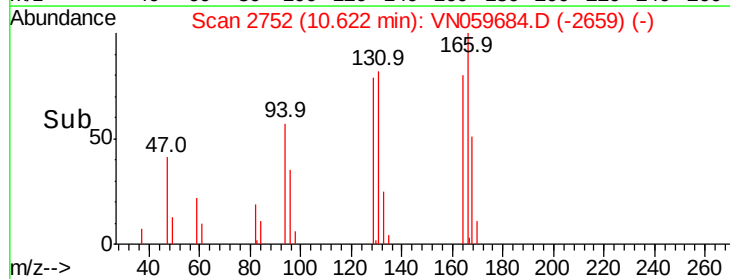
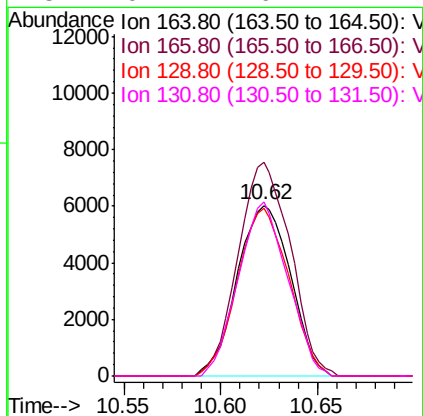
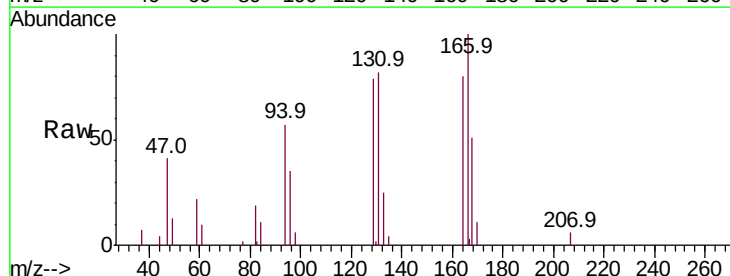
Instrument :
MSVOA_X
ClientSampleId :

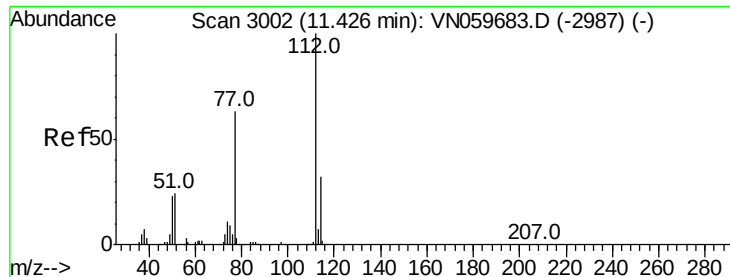
Tot Ion:117 Resp: 276520
Ion Ratio Lower Upper
117 100
82 59.2 48.2 72.2
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 4.553 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion:164 Resp: 11510
Ion Ratio Lower Upper
164 100
166 125.3 101.4 152.0
129 98.6 79.2 118.8
131 102.4 76.2 114.2

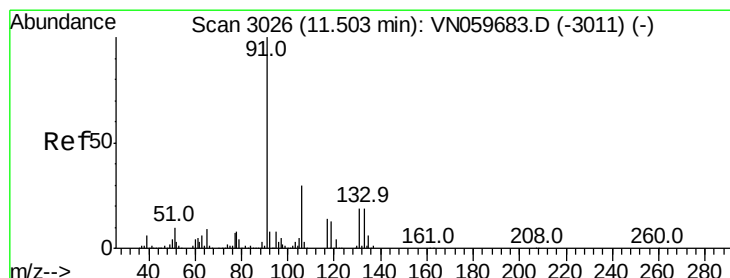
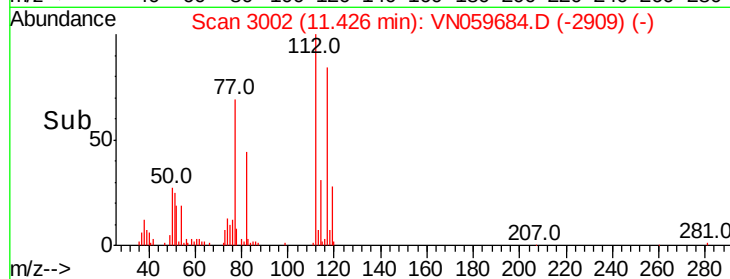
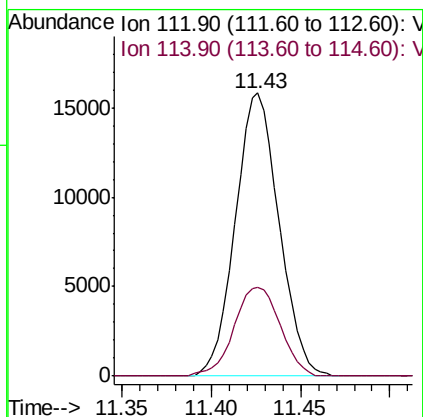
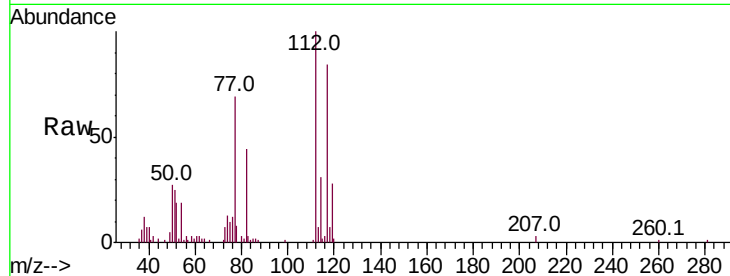




#65
Chlorobenzene
Concen: 4.591 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

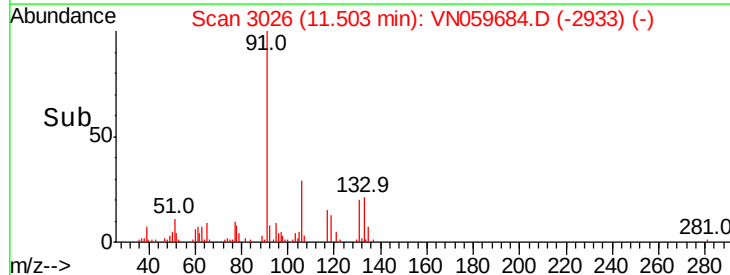
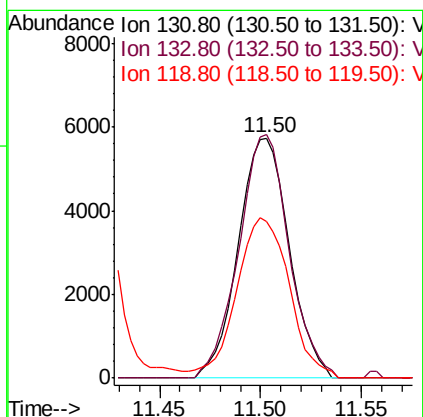
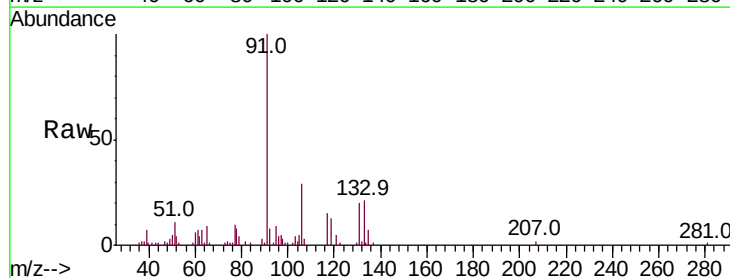
Instrument :
MSVOA_X
ClientSampleId :

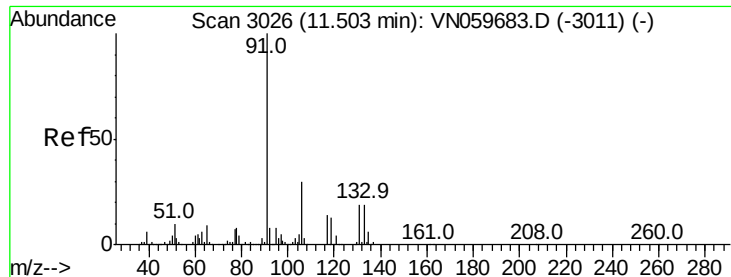
Tot Ion:112 Resp: 27052
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 4.419 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion:131 Resp: 10143
Ion Ratio Lower Upper
131 100
133 100.2 48.0 144.0
119 69.6 33.5 100.4





#67

Ethyl Benzene

Concen: 4.413 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

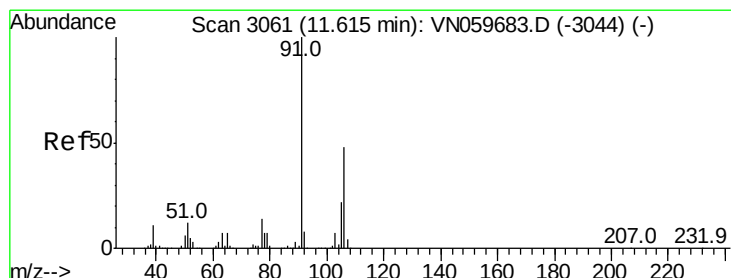
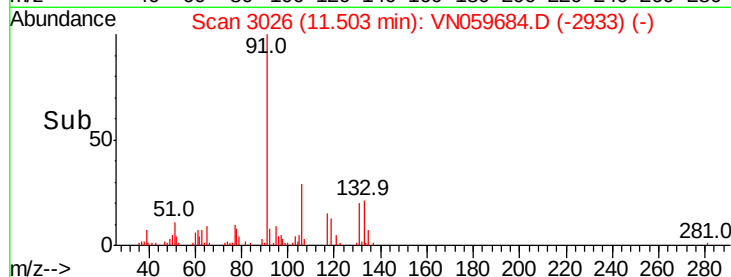
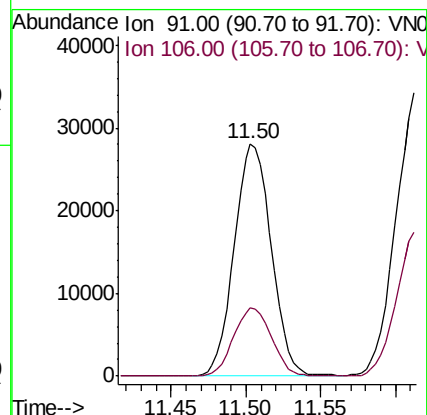
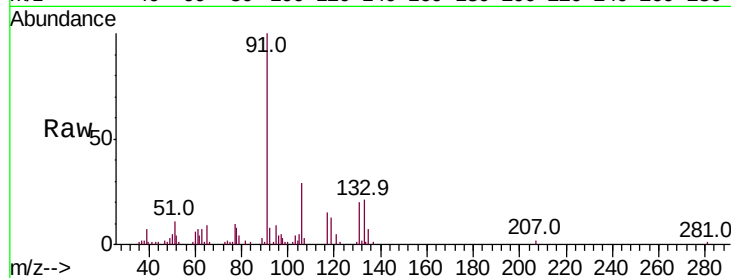
ClientSampleId :

Tot Ion: 91 Resp: 48431

Ion Ratio Lower Upper

91 100

106 29.2 24.2 36.4



#68

m/p-Xylenes

Concen: 9.022 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059684.D

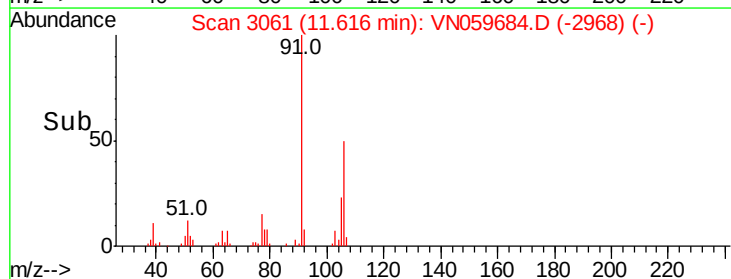
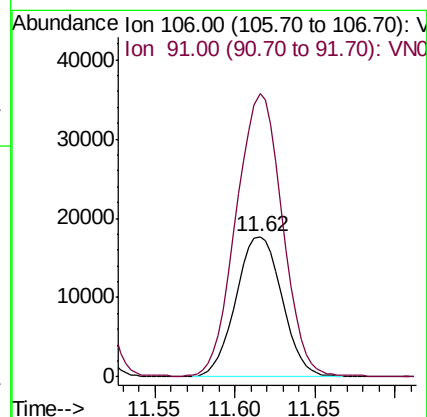
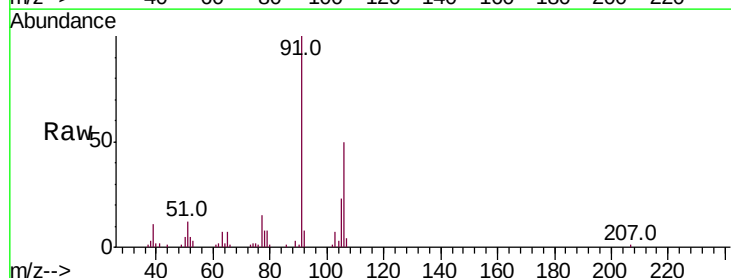
Acq: 20 Dec 2019 16:19

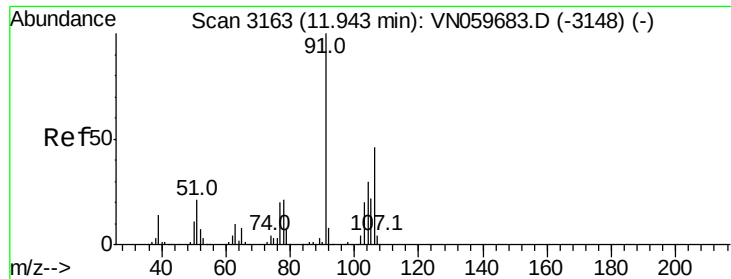
Tgt Ion: 106 Resp: 34776

Ion Ratio Lower Upper

106 100

91 203.3 167.9 251.9

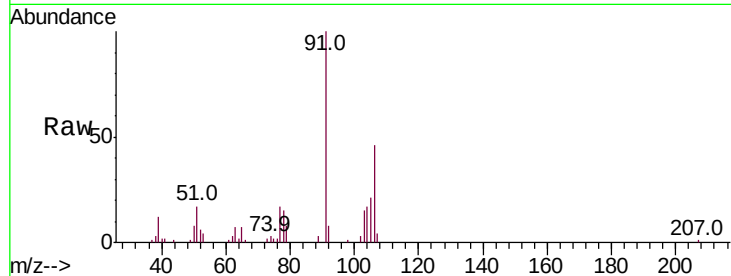




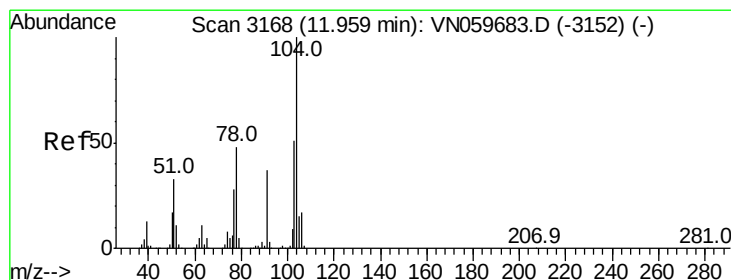
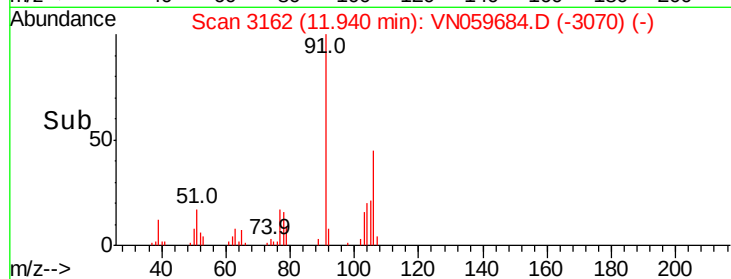
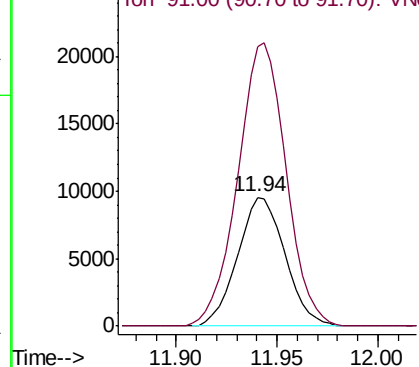
#69
o-Xylene
Concen: 4.344 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 15677
Ion Ratio Lower Upper
106 100
91 224.0 110.3 330.9

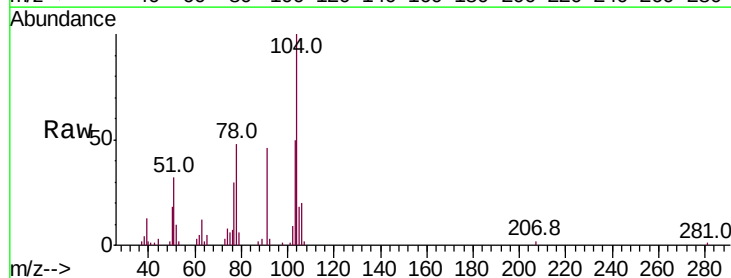


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

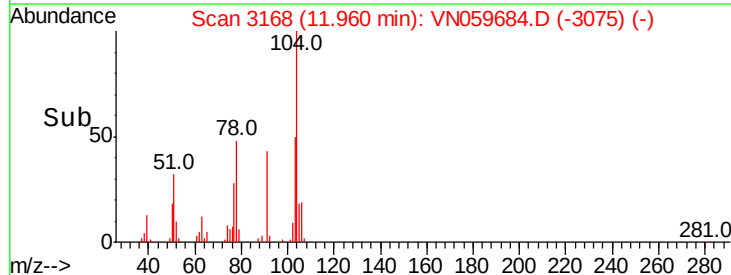
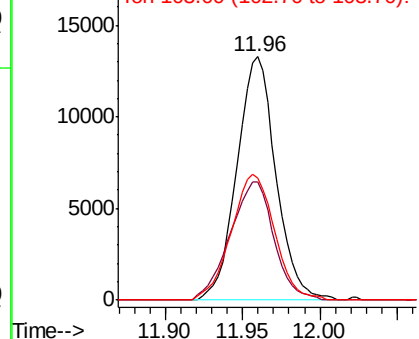


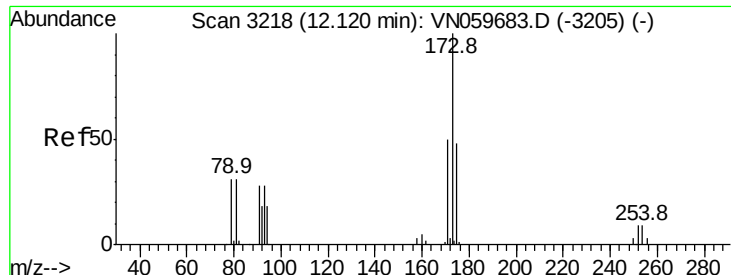
#70
Styrene
Concen: 4.030 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion:104 Resp: 23275
Ion Ratio Lower Upper
104 100
78 54.4 43.7 65.5
103 57.4 45.6 68.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

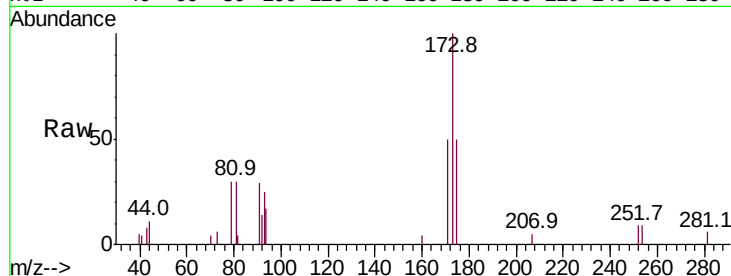




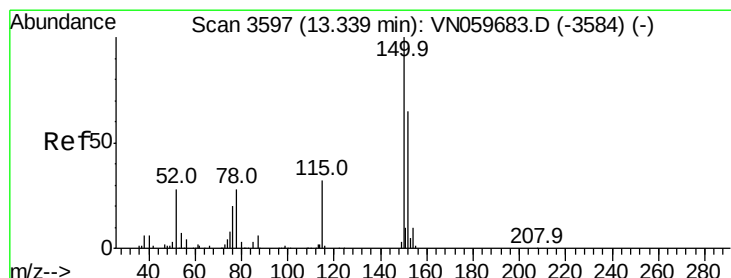
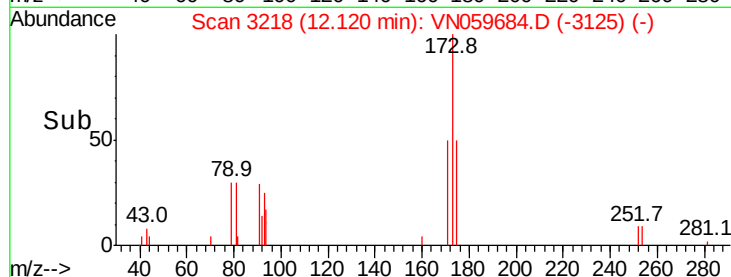
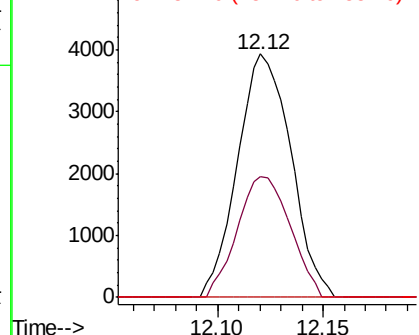
#71
Bromoform
Concen: 4.282 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:173 Resp: 6912
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.9
254 0.0 0.0 0.0

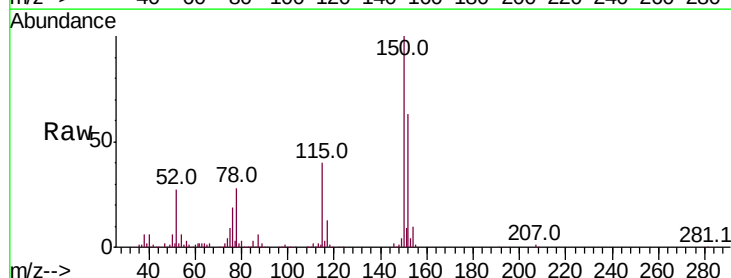


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

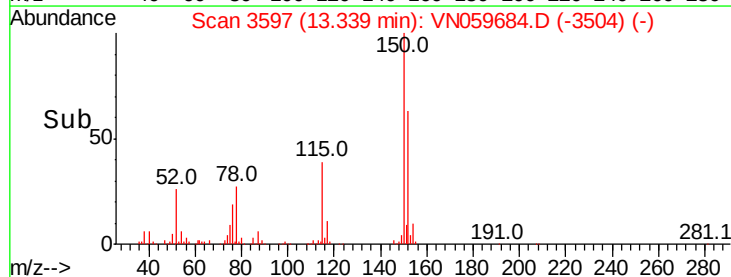
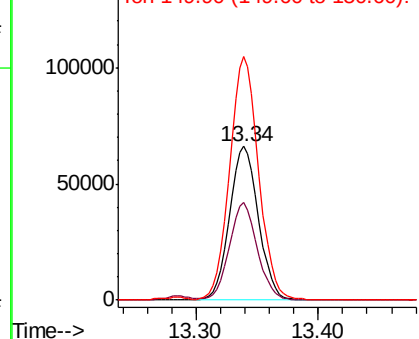


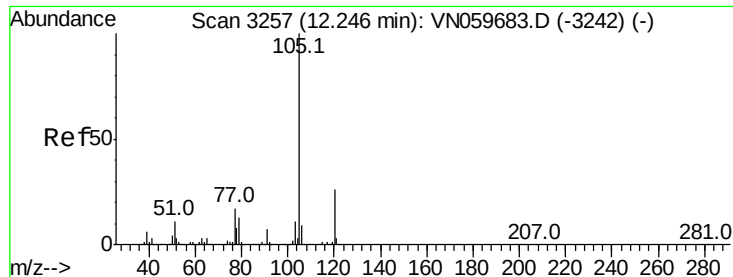
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion:152 Resp: 109489
Ion Ratio Lower Upper
152 100
115 61.8 31.6 94.7
150 157.5 0.0 345.0



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: 4.888 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

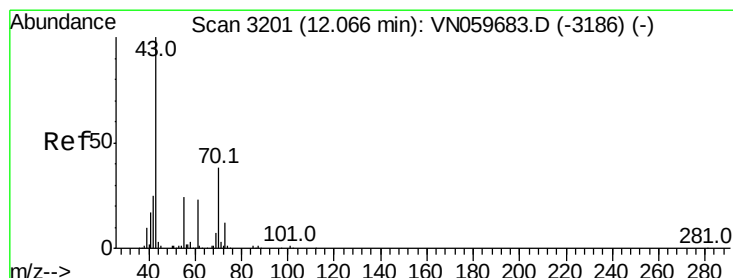
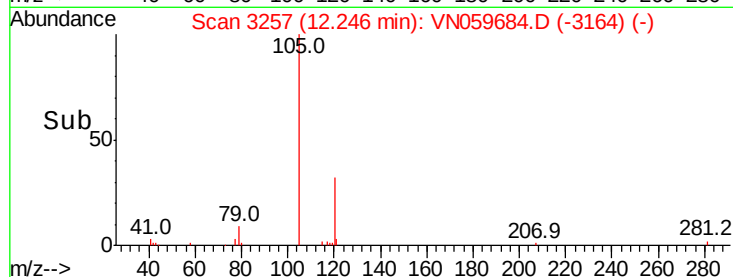
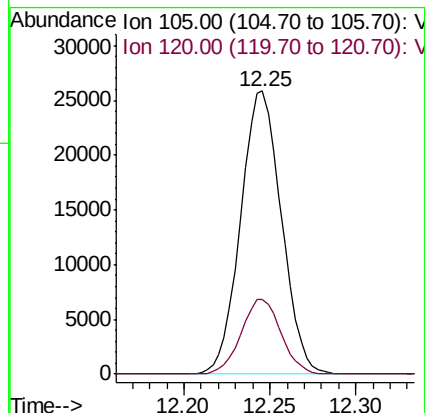
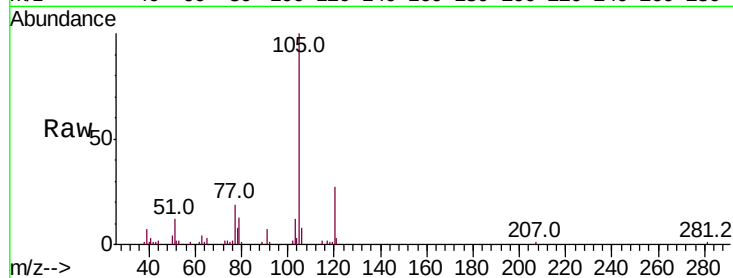
ClientSampleId :

Tot Ion:105 Resp: 42517

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



#74

N-ethyl acetate

Concen: 4.391 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Tgt Ion: 43 Resp: 17423

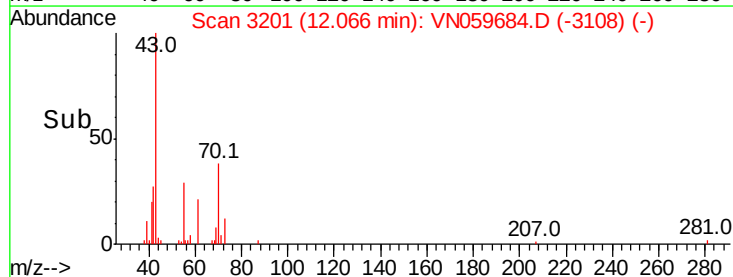
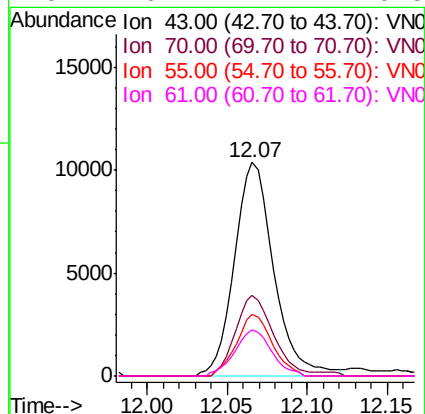
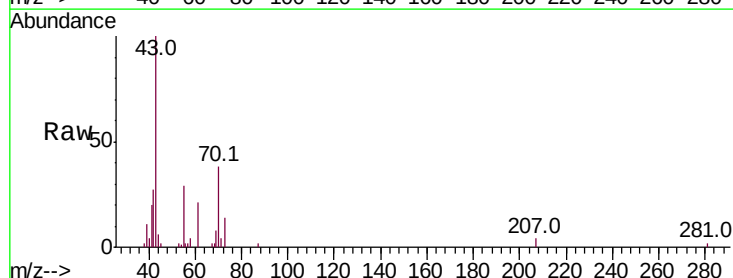
Ion Ratio Lower Upper

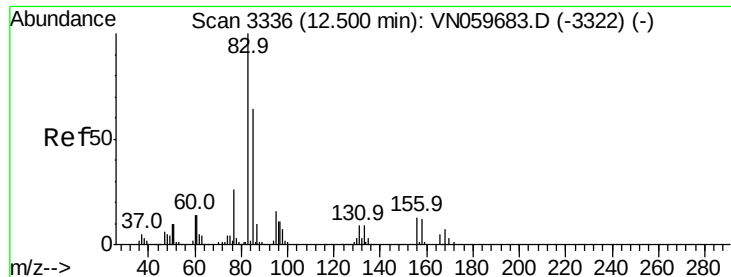
43 100

70 36.1 30.5 45.7

55 25.9 19.4 29.2

61 20.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 4.983 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

ClientSampled :

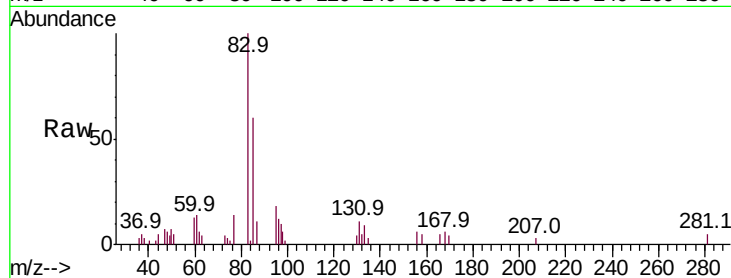
Tot Ion: 83 Resp: 13880

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.1

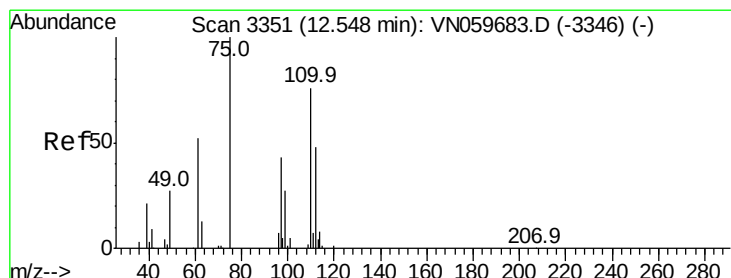
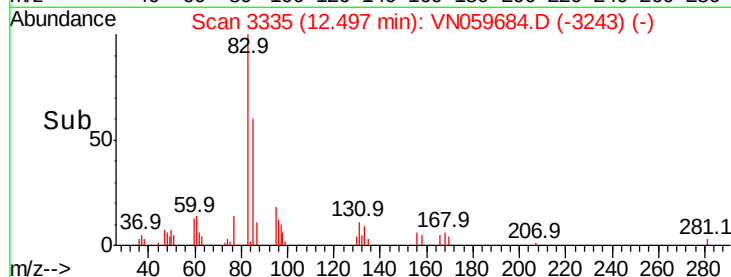
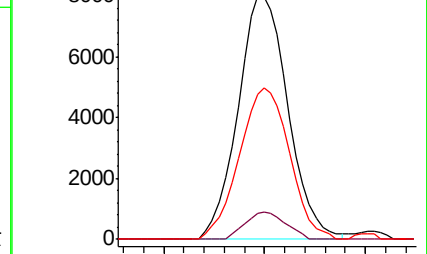
85 62.3 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VN059683.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059683.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059683.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 7.278 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059684.D

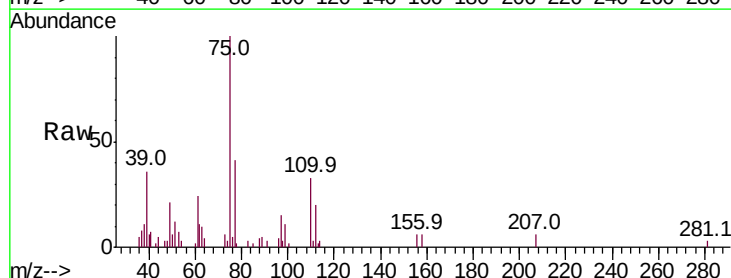
Acq: 20 Dec 2019 16:19

Tgt Ion: 75 Resp: 20334

Ion Ratio Lower Upper

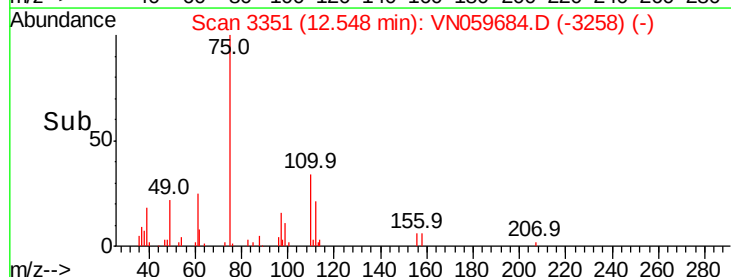
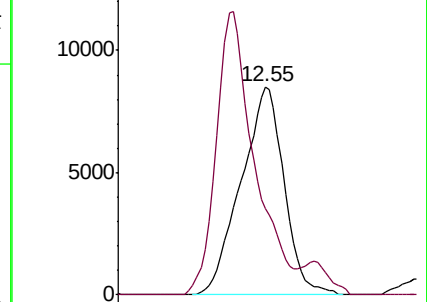
75 100

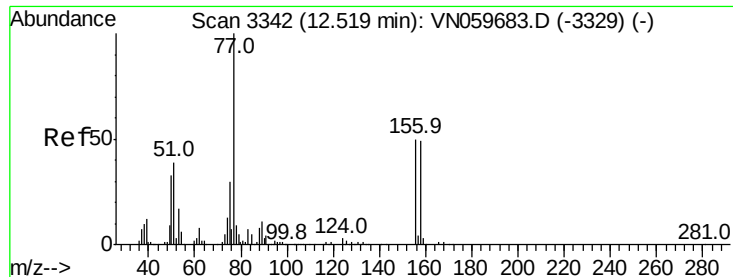
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059683.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN059683.D (-3346) (-)





#77

Bromobenzene

Concen: 4.894 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

ClientSampled :

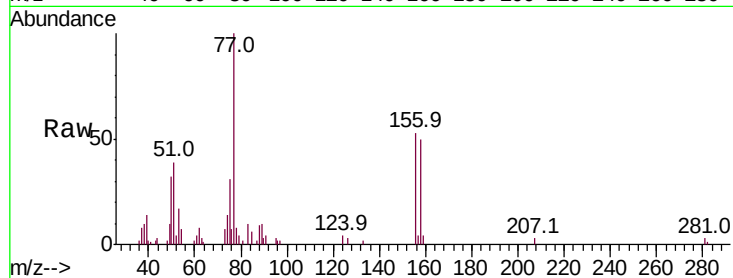
Tot Ion:156 Resp: 10561

Ion Ratio Lower Upper

156 100

77 233.4 120.8 362.5

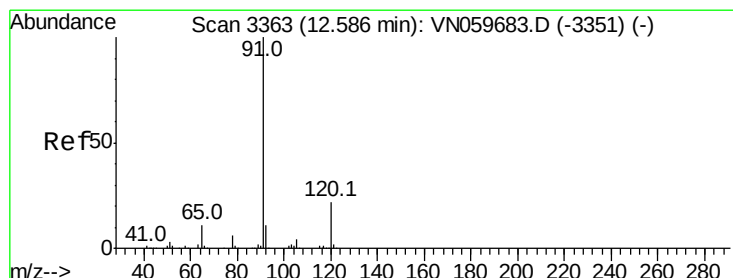
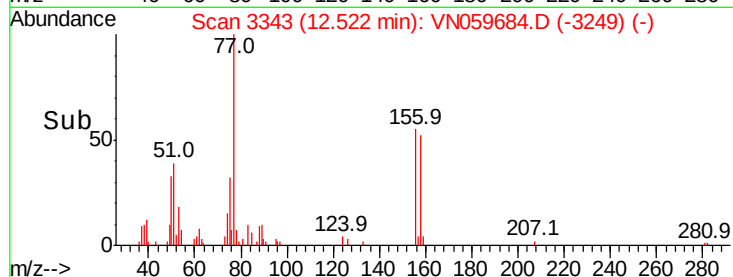
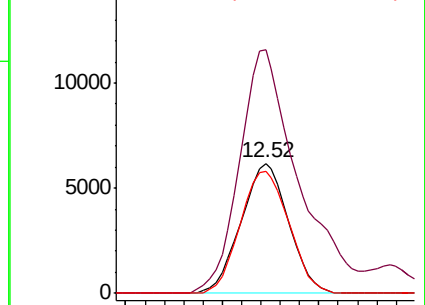
158 96.5 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.735 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059684.D

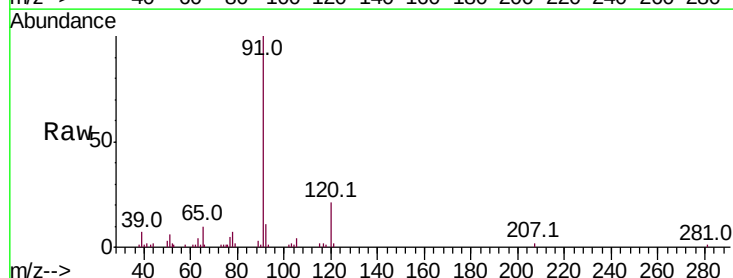
Acq: 20 Dec 2019 16:19

Tgt Ion: 91 Resp: 49165

Ion Ratio Lower Upper

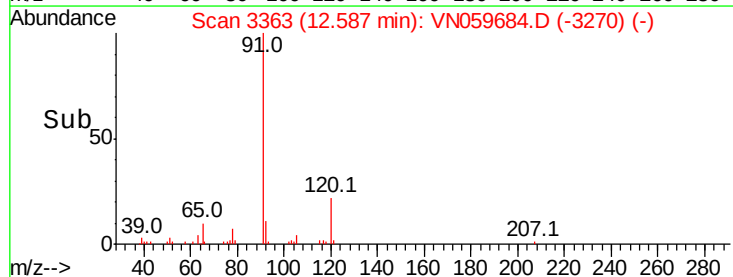
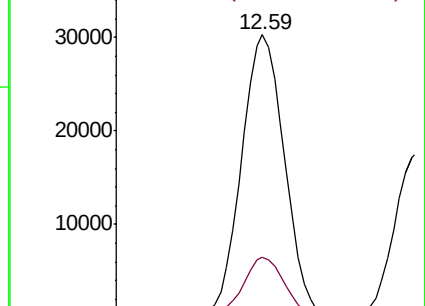
91 100

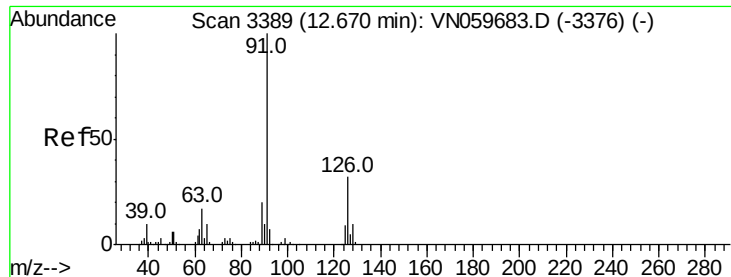
120 20.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.774 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

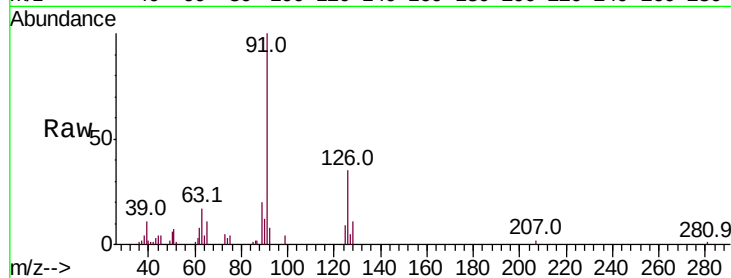
ClientSampleId :

Tot Ion: 91 Resp: 29944

Ion Ratio Lower Upper

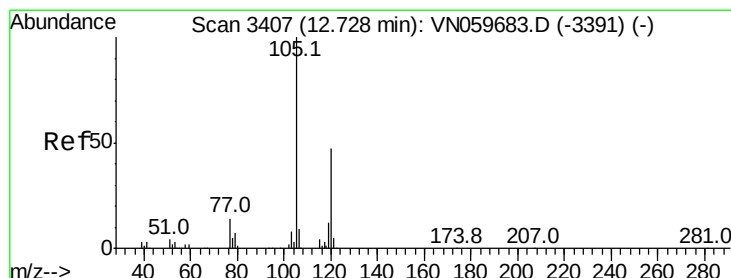
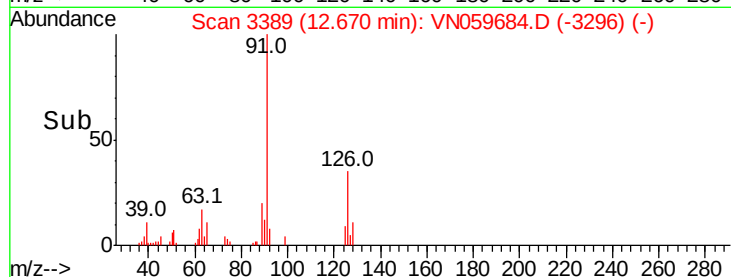
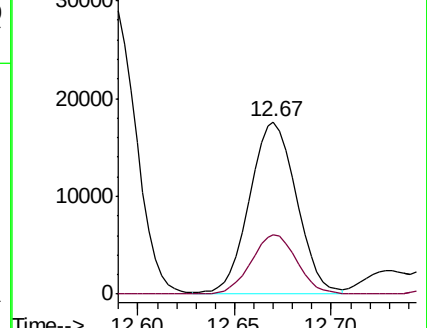
91 100

126 33.2 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN059683.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059683.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.607 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059684.D

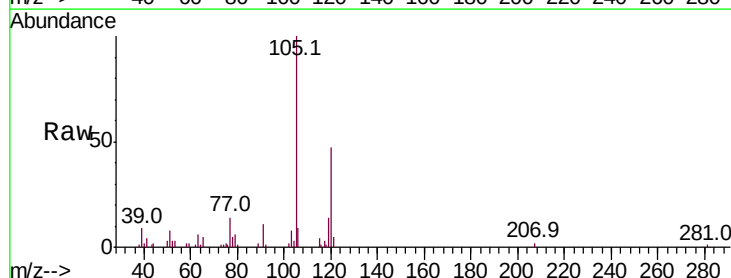
Acq: 20 Dec 2019 16:19

Tgt Ion:105 Resp: 34436

Ion Ratio Lower Upper

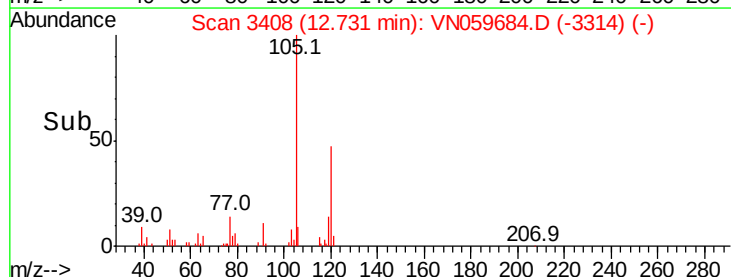
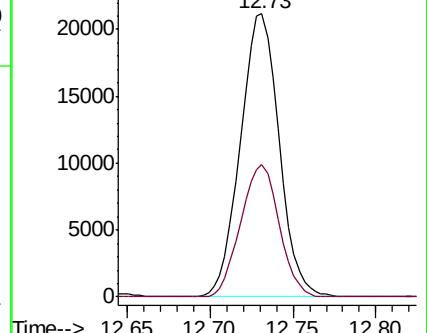
105 100

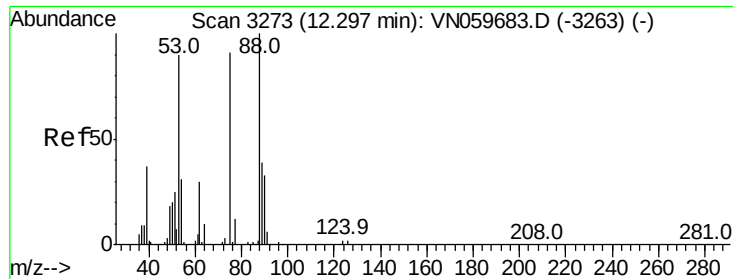
120 46.2 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN059683.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN059683.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.204 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

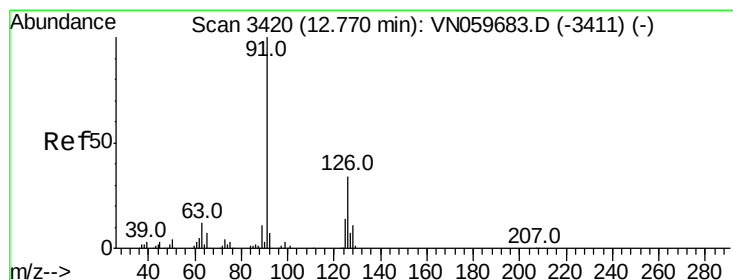
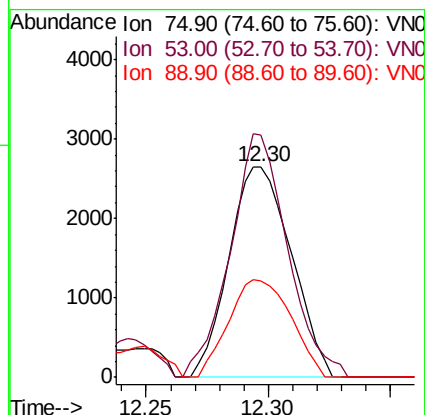
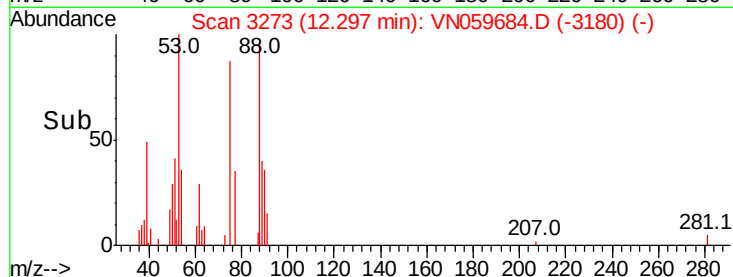
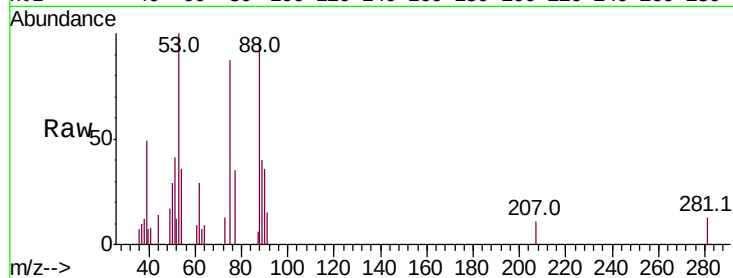
Tot Ion: 75 Resp: 4704

Ion Ratio Lower Upper

75 100

53 106.4 79.6 119.4

89 46.3 35.4 53.2



#82

4-Chlorotoluene

Concen: 4.805 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059684.D

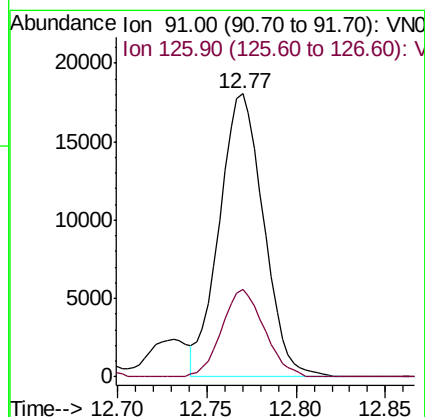
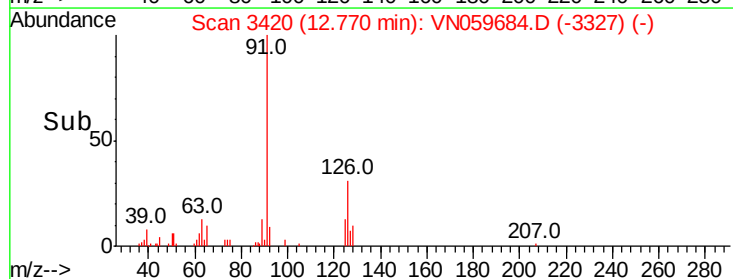
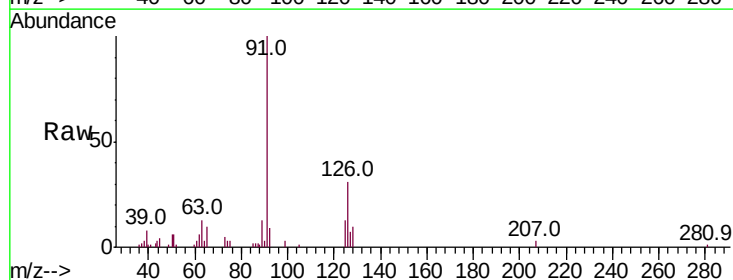
Acq: 20 Dec 2019 16:19

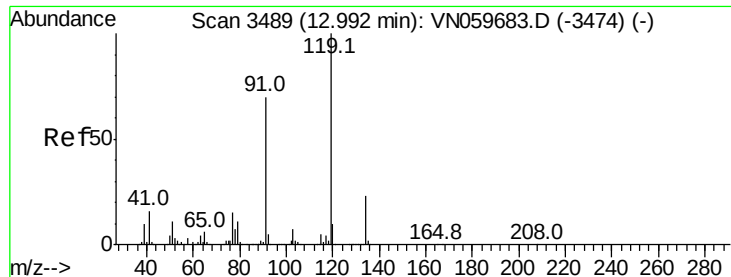
Tgt Ion: 91 Resp: 31101

Ion Ratio Lower Upper

91 100

126 29.7 15.8 47.3





#83

tert-Butylbenzene

Concen: 4.728 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

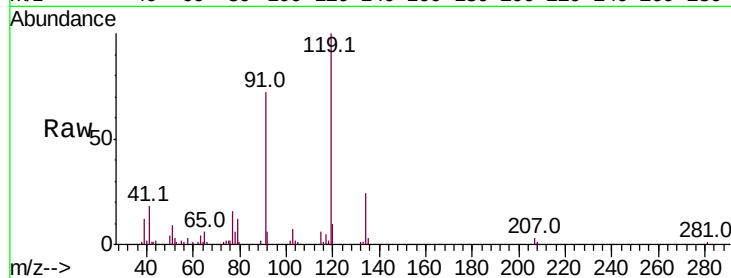
Tot Ion:119 Resp: 29453

Ion Ratio Lower Upper

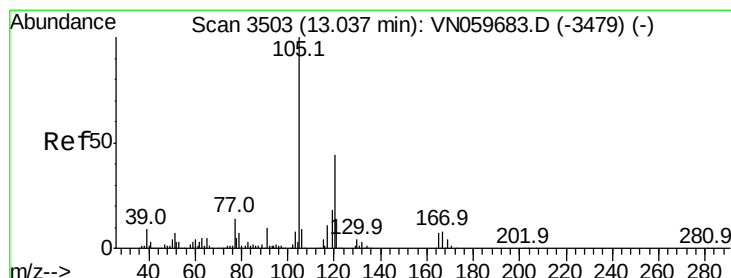
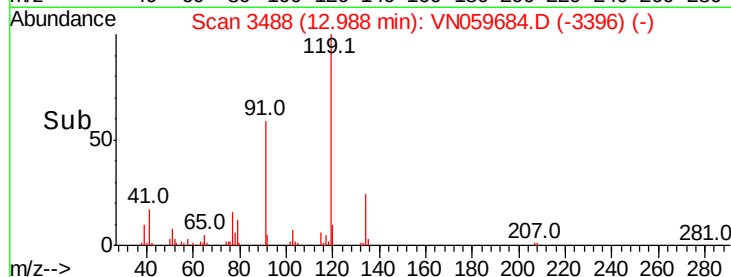
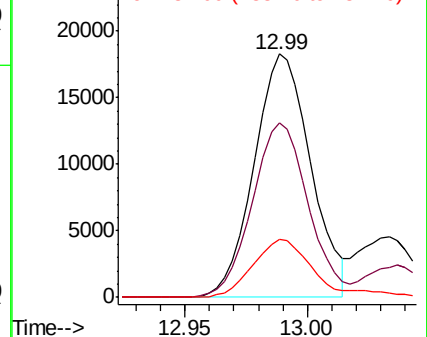
119 100

91 71.0 35.1 105.5

134 25.6 11.6 34.8



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: 4.482 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059684.D

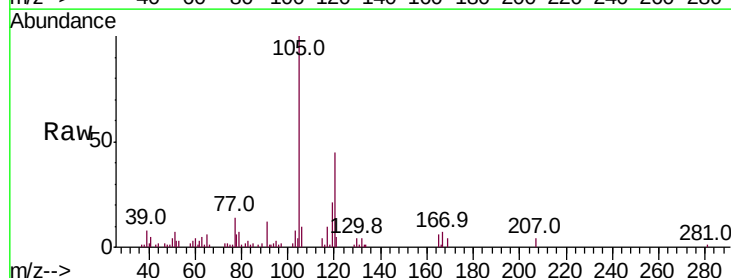
Acq: 20 Dec 2019 16:19

Tgt Ion:105 Resp: 33399

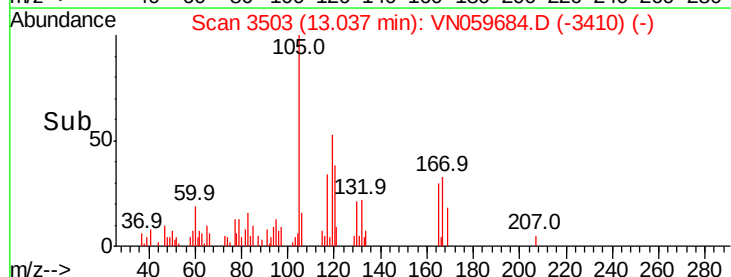
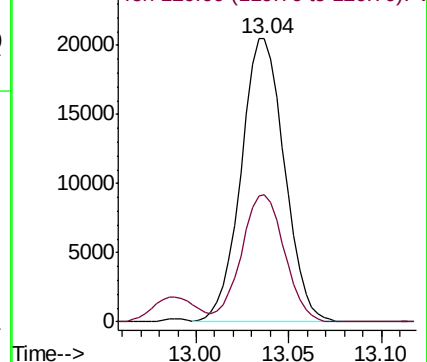
Ion Ratio Lower Upper

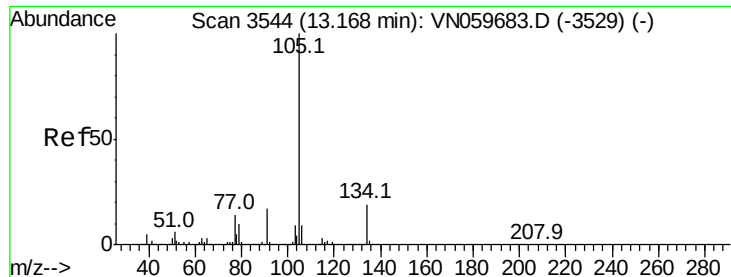
105 100

120 44.5 22.1 66.1



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





#85

sec-Butylbenzene

Concen: 4.515 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

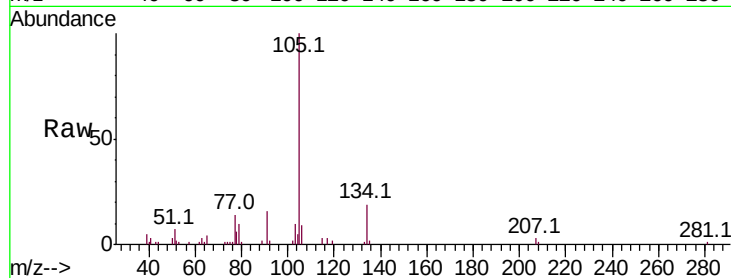
ClientSampled :

Tot Ion:105 Resp: 38060

Ion Ratio Lower Upper

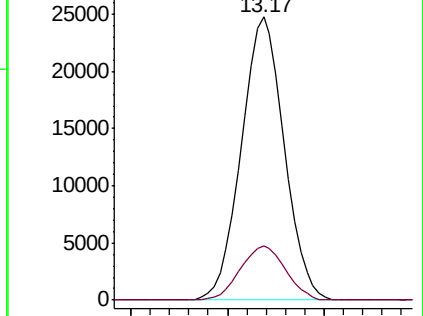
105 100

134 20.3 9.4 28.3

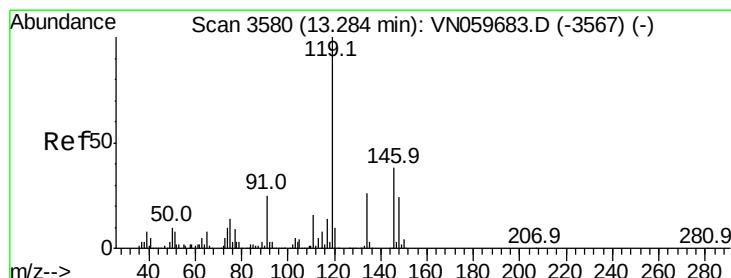
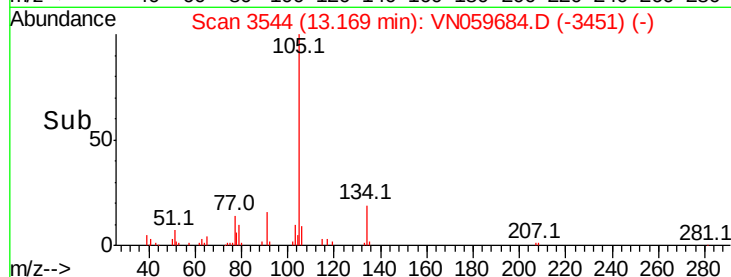


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 4.438 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

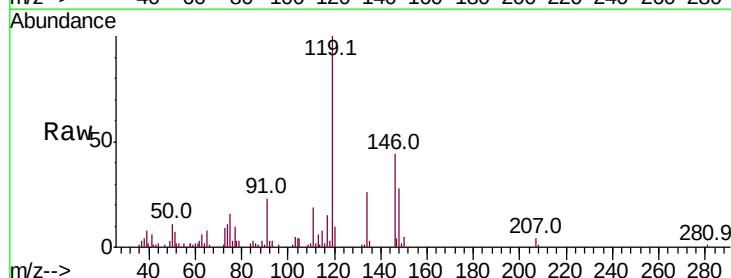
Tgt Ion:119 Resp: 32930

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

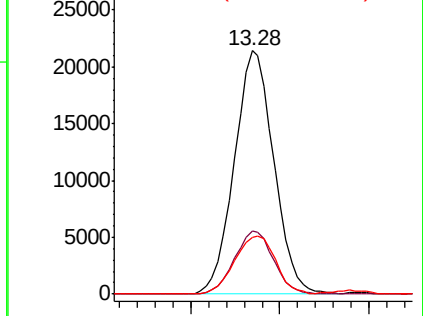
91 24.8 12.6 37.6



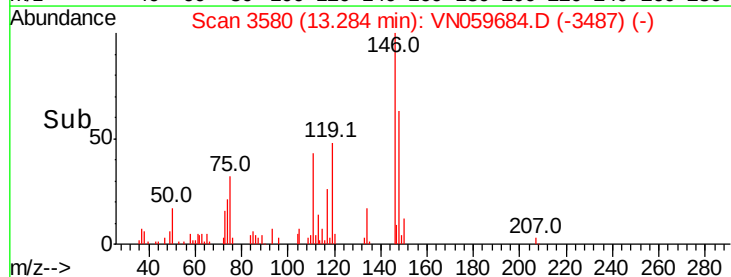
Abundance Ion 119.00 (118.70 to 119.70): V

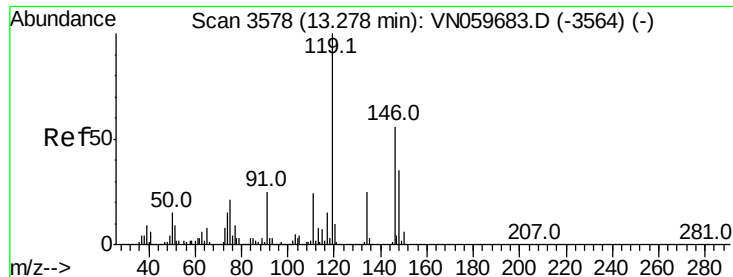
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.25 13.30 13.35

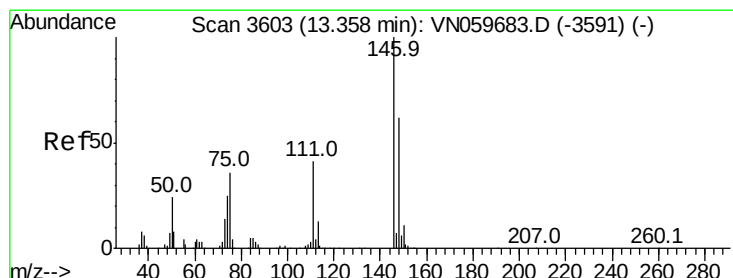
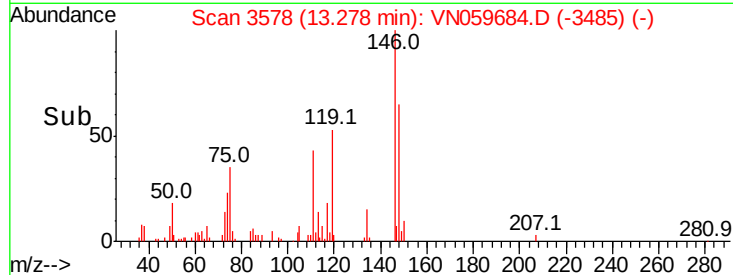
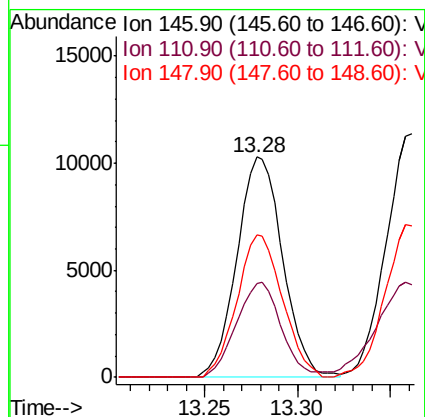
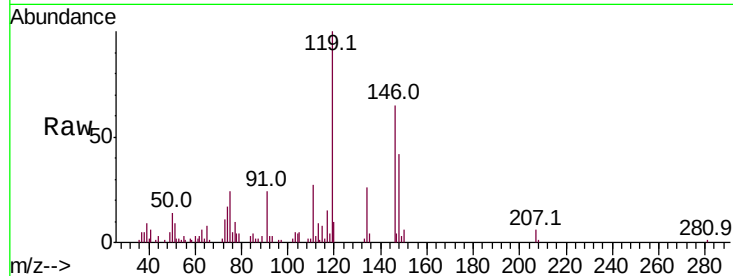




#87
 1,3-Dichlorobenzene
 Concen: 4.568 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

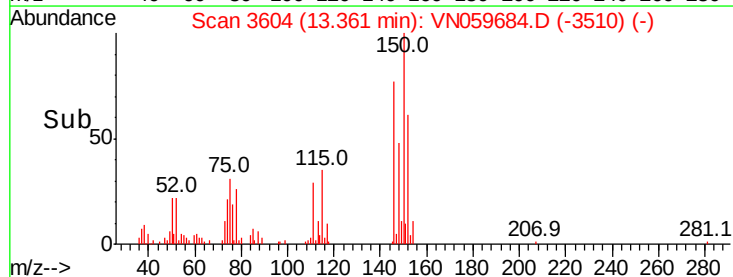
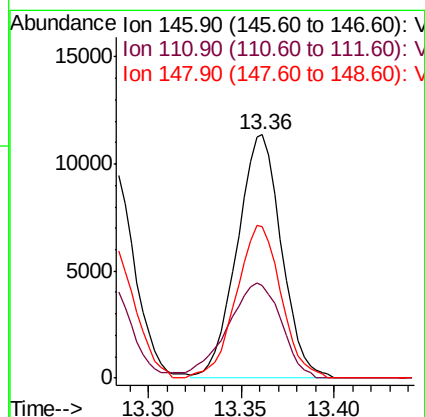
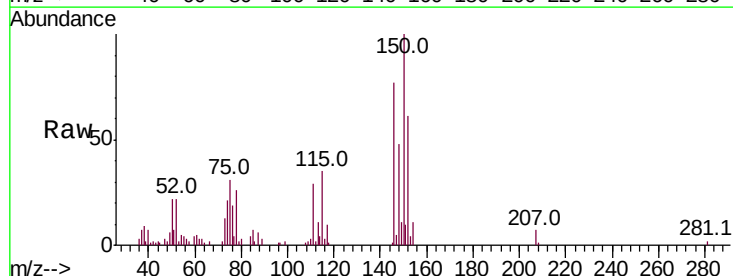
Instrument :
 MSVOA_X
 ClientSampleId :

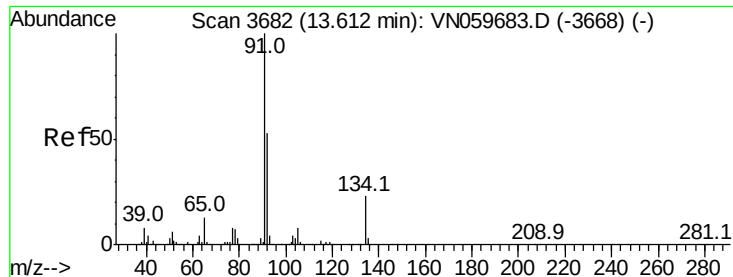
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	64.0	31.4	94.2



#88
 1,4-Dichlorobenzene
 Concen: 4.863 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	21.3	63.7
148	63.4	31.6	94.8

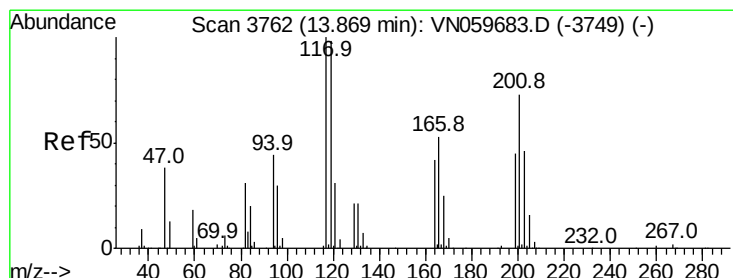
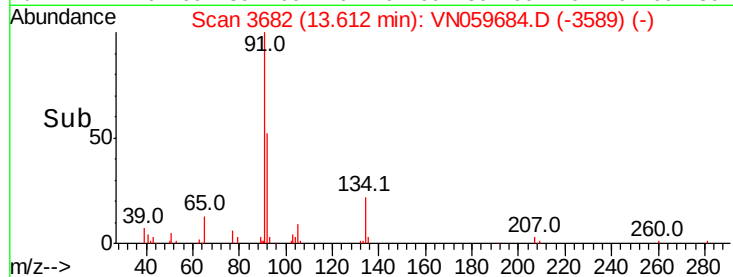
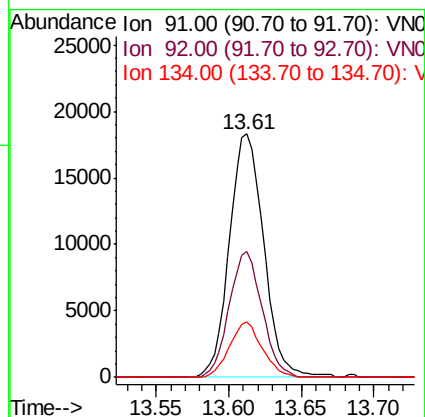
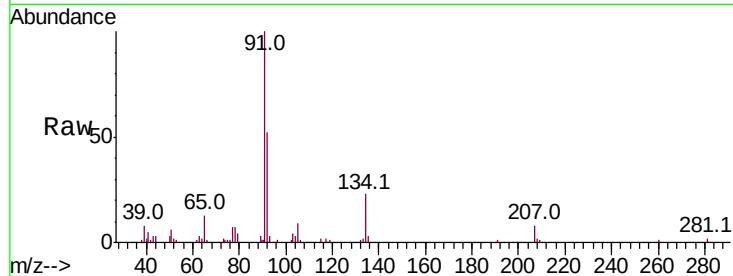




#89
n-Butylbenzene
Concen: 4.348 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

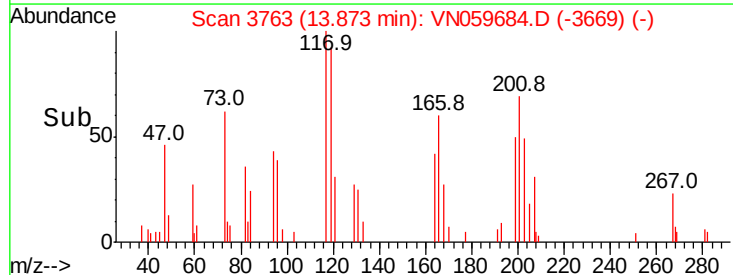
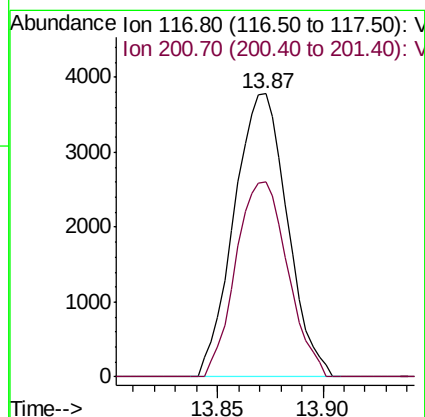
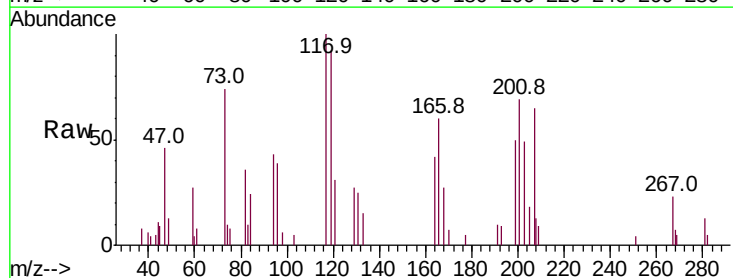
Instrument :
MSVOA_X
ClientSampleId :

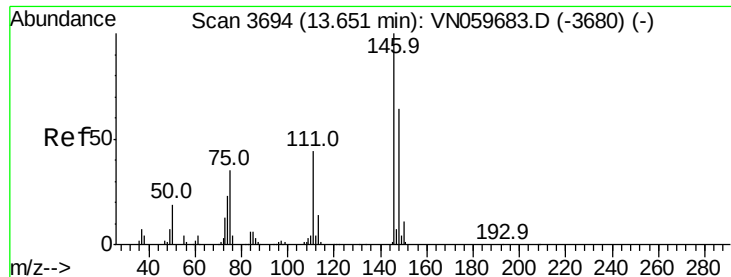
Tot Ion: 91 Resp: 30182
Ion Ratio Lower Upper
91 100
92 49.2 25.9 77.6
134 21.7 11.6 34.7



#90
Hexachloroethane
Concen: 4.664 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059684.D
Acq: 20 Dec 2019 16:19

Tgt Ion: 117 Resp: 6637
Ion Ratio Lower Upper
117 100
201 67.0 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 4.778 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

ClientSampled :

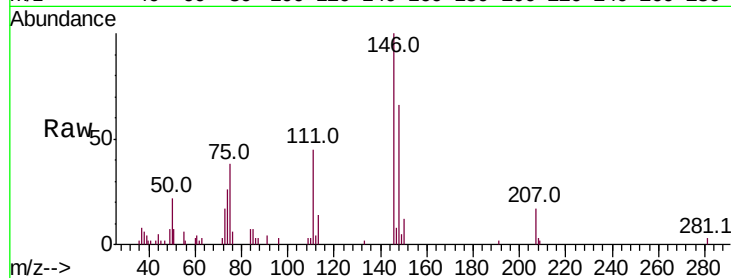
Tot Ion:146 Resp: 18108

Ion Ratio Lower Upper

146 100

111 43.6 22.2 66.6

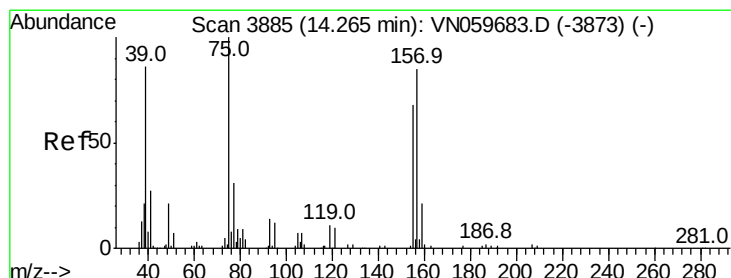
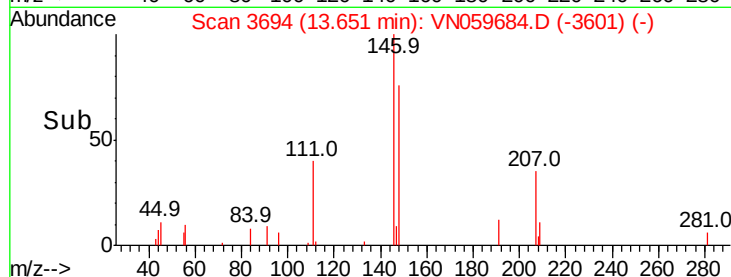
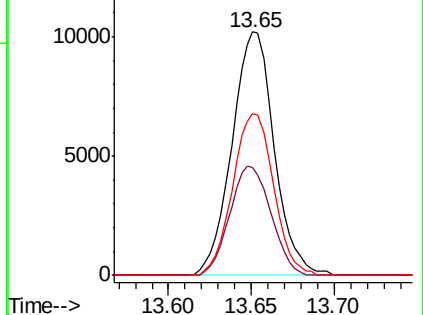
148 63.9 32.1 96.3



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: 4.975 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

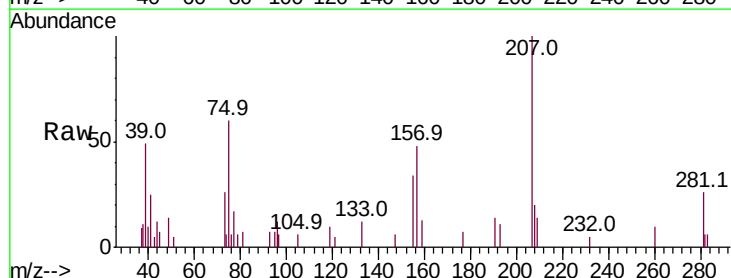
Tgt Ion: 75 Resp: 4022

Ion Ratio Lower Upper

75 100

155 51.5 34.5 103.5

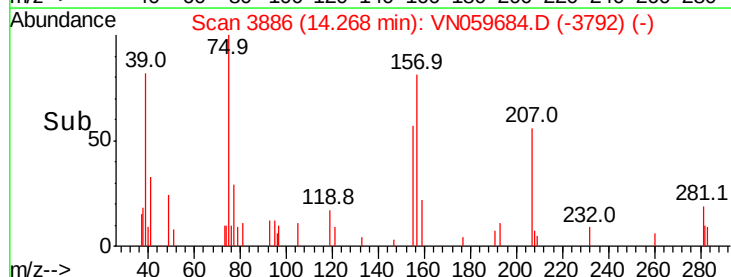
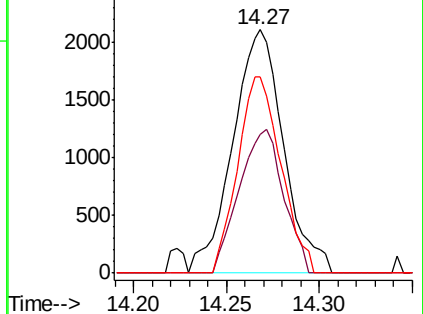
157 68.3 43.3 129.8

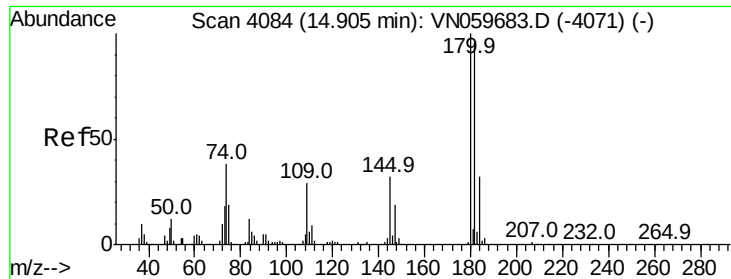


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

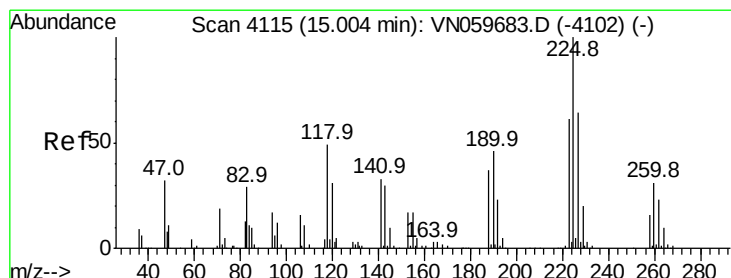
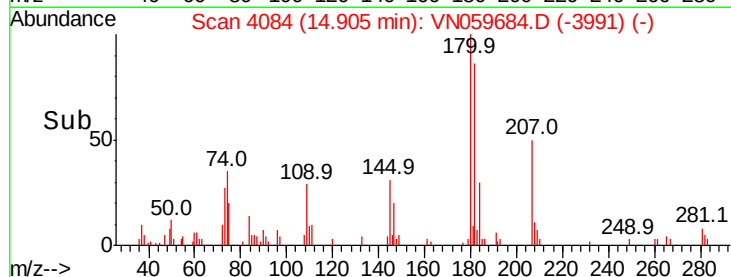
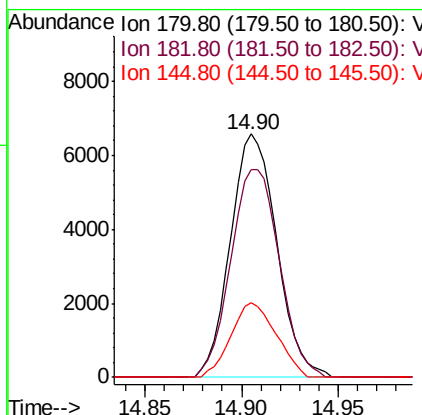
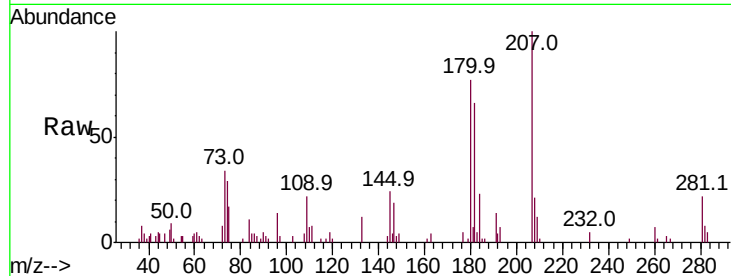




#93
 1,2,4-Trichlorobenzene
 Concen: 4.476 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

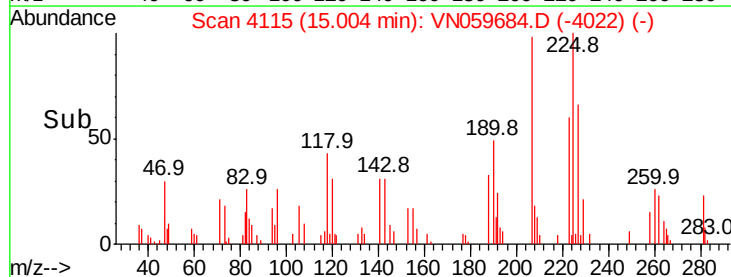
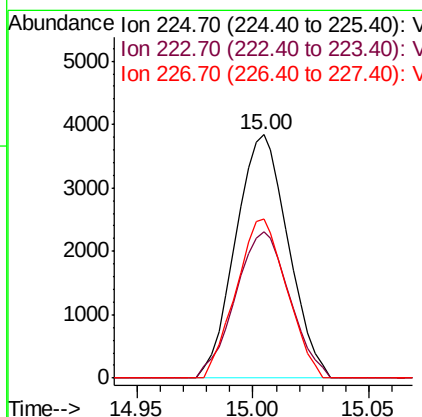
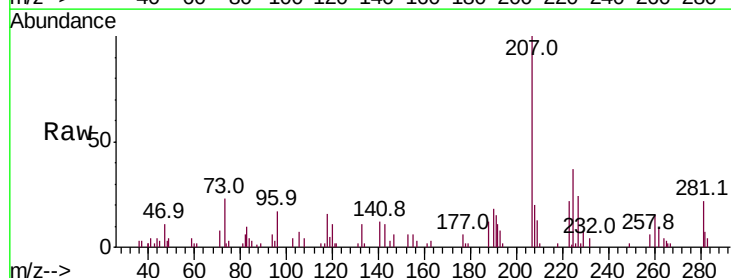
Instrument :
 MSVOA_X
 ClientSampleId :

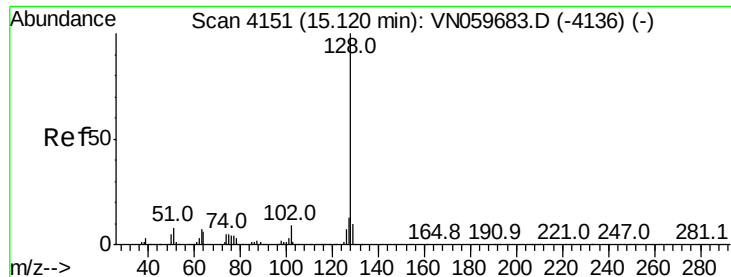
Tot Ion	Ratio	Lower	Upper
180	100		
182	89.6	47.8	143.4
145	29.9	15.7	47.0



#94
 Hexachlorobutadiene
 Concen: 4.581 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN059684.D
 Acq: 20 Dec 2019 16:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.0	93.0
227	62.9	32.1	96.5





#95

Naphthalene

Concen: 5.123 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

Instrument :

MSVOA_X

ClientSampled :

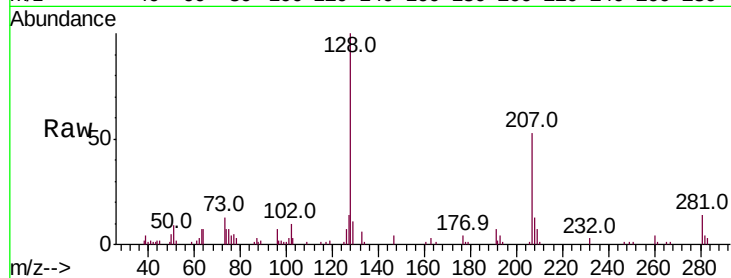
Tot Ion:128 Resp: 37208

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

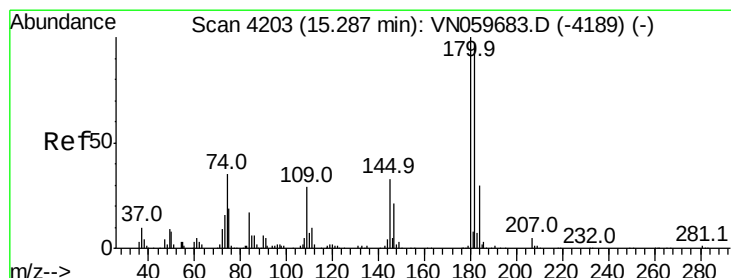
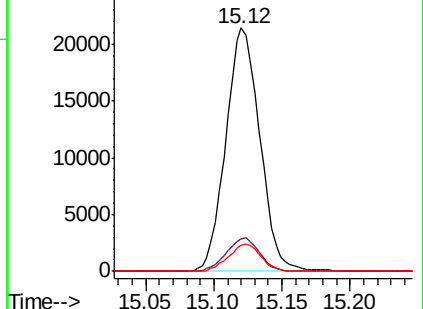
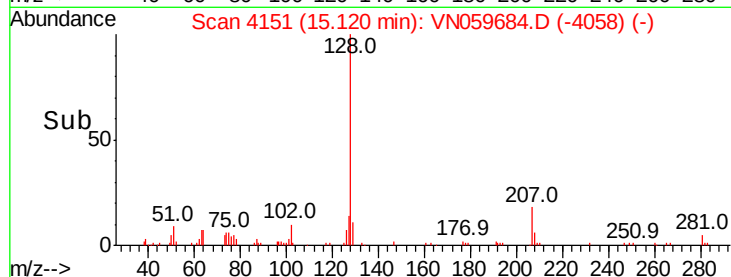
129 10.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.953 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN059684.D

Acq: 20 Dec 2019 16:19

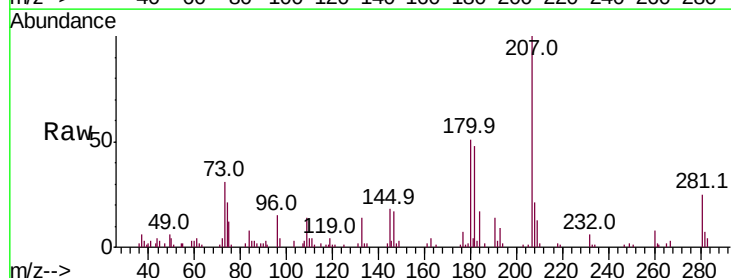
Tgt Ion:180 Resp: 12401

Ion Ratio Lower Upper

180 100

182 92.3 47.9 143.7

145 32.8 16.6 49.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

