

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122019\
 Data File : VN059681.D
 Acq On : 20 Dec 2019 15:14
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 16:34:04 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	227734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	416702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	424387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	212675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	609136	186.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	373.06%	
35) Dibromofluoromethane	7.57	113	364451	142.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.66%	
50) Toluene-d8	10.08	98	1750097	172.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	344.62%	
62) 4-Bromofluorobenzene	12.40	95	609930	171.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	342.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	522555	176.774	ug/l	99
3) Chloromethane	2.03	50	615076	140.439	ug/l	99
4) Vinyl Chloride	2.17	62	574193	134.410	ug/l	99
5) Bromomethane	2.51	94	310705	125.547	ug/l	97
6) Chloroethane	2.66	64	297999	123.033	ug/l	98
7) Trichlorofluoromethane	2.99	101	509451	113.005	ug/l	99
8) Diethyl Ether	3.38	74	198827	132.630	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	276017	115.658	ug/l	99
10) Methyl Iodide	3.92	142	433453	139.354	ug/l	99
11) Tert butyl alcohol	4.75	59	337921	577.674	ug/l	100
12) 1,1-Dichloroethene	3.71	96	277342	119.375	ug/l	98
13) Acrolein	3.58	56	223077	594.233	ug/l	97
14) Allyl chloride	4.29	41	636177	132.814	ug/l	97
15) Acrylonitrile	4.95	53	908492	634.878	ug/l	99
16) Acetone	3.79	43	977905	522.795	ug/l	99
17) Carbon Disulfide	4.02	76	947933	118.125	ug/l	100
18) Methyl Acetate	4.29	43	632132	154.051	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	1030182	125.077	ug/l	97
20) Methylene Chloride	4.52	84	369176	132.107	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	303740	117.138	ug/l	100
22) Diisopropyl ether	5.92	45	1406697	159.337	ug/l	98
23) Vinyl Acetate	5.86	43	5407060	787.062	ug/l	98
24) 1,1-Dichloroethane	5.82	63	733331	146.807	ug/l	99
25) 2-Butanone	6.81	43	1476056	647.610	ug/l	99
26) 2,2-Dichloropropane	6.80	77	586050	128.686	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	379943	131.888	ug/l	100
28) Bromochloromethane	7.17	49	413034	248.408	ug/l	100
29) Tetrahydrofuran	7.18	42	1030192	726.517	ug/l	99
30) Chloroform	7.35	83	719475	141.234	ug/l	99
31) Cyclohexane	7.63	56	574896	119.506	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	518334	115.482	ug/l	99
36) 1,1-Dichloropropene	7.77	75	475046	110.201	ug/l	100
37) Ethyl Acetate	6.90	43	641166	127.697	ug/l	99
38) Carbon Tetrachloride	7.75	117	461303	102.924	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	595405	117.695	ug/l	100
40) Benzene	8.02	78	1513108	120.034	ug/l	100
41) Methacrylonitrile	7.18	41	927612	452.686	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	581484	118.604	ug/l	99
43) Isopropyl Acetate	8.14	43	1024466	129.168	ug/l	99
44) Trichloroethene	8.81	130	376447	114.800	ug/l	99
45) 1,2-Dichloropropane	9.10	63	443160	125.527	ug/l	99
46) Dibromomethane	9.19	93	282524	125.248	ug/l	99
47) Bromodichloromethane	9.39	83	508530	112.866	ug/l	99
48) Methyl methacrylate	9.18	41	493332	137.852	ug/l	99
49) 1,4-Dioxane	9.18	88	121123	2427.422	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	3022590	642.207	ug/l	96
52) Toluene	10.14	92	860673	108.077	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	609177	116.685	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	692033	127.341	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	317919	102.998	ug/l	99
56) Ethyl methacrylate	10.42	69	659092	145.112	ug/l	99
57) 1,3-Dichloropropane	10.70	76	563281	102.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1016471	682.208	ug/l	99
59) 2-Hexanone	10.74	43	1991074	536.158	ug/l	96
60) Dibromochloromethane	10.89	129	369150	109.235	ug/l	99
61) 1,2-Dibromoethane	11.00	107	387783	116.905	ug/l	100
64) Tetrachloroethene	10.62	164	305028	78.626	ug/l	98
65) Chlorobenzene	11.43	112	1022517	113.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	385305	109.372	ug/l	100
67) Ethyl Benzene	11.50	91	1878979	111.548	ug/l	98
68) m/p-Xylenes	11.62	106	1312522	221.866	ug/l	95
69) o-Xylene	11.94	106	645200	116.498	ug/l	100
70) Styrene	11.96	104	1080708	121.910	ug/l	98
71) Bromoform	12.12	173	319440	128.932	ug/l #	100
73) Isopropylbenzene	12.24	105	1684587	99.714	ug/l	99
74) N-amyl acetate	12.07	43	802140	104.085	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	502983	92.961	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	773878	142.589	ug/l #	100
77) Bromobenzene	12.52	156	387888	92.536	ug/l	99
78) n-propylbenzene	12.59	91	1949188	96.643	ug/l	99
79) 2-Chlorotoluene	12.67	91	1238146	101.633	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1526548	105.148	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	210184	96.716	ug/l	99
82) 4-Chlorotoluene	12.77	91	1278469	101.684	ug/l	99
83) tert-Butylbenzene	12.99	119	1313194	108.529	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1566742	108.238	ug/l	99
85) sec-Butylbenzene	13.17	105	1634218	99.810	ug/l	99
86) p-Isopropyltoluene	13.28	119	1649532	114.453	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	782449	104.270	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	794022	105.290	ug/l	99
89) n-Butylbenzene	13.61	91	1365038	101.234	ug/l	98
90) Hexachloroethane	13.87	117	272633	98.625	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	661237	89.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	131505	83.744	ug/l	91

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Quant Title : SW846 8260
QLast Update : Fri Dec 20 16:30:00 2019
Response via : Initial Calibration

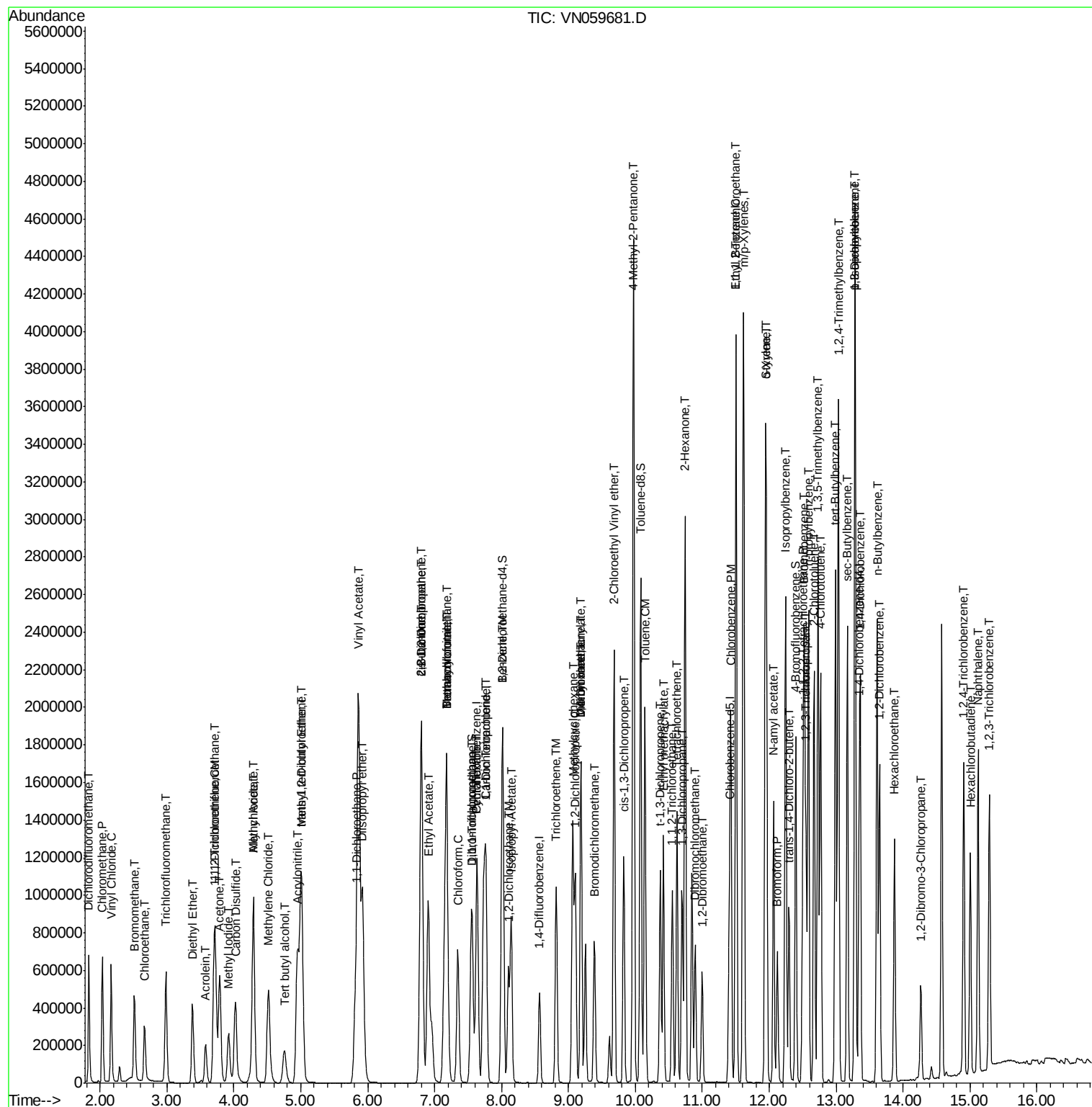
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	501345	105.447	ug/l	99
94) Hexachlorobutadiene	15.00	225	210626	82.265	ug/l	99
95) Naphthalene	15.12	128	1360742	96.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	452241	92.983	ug/l	99

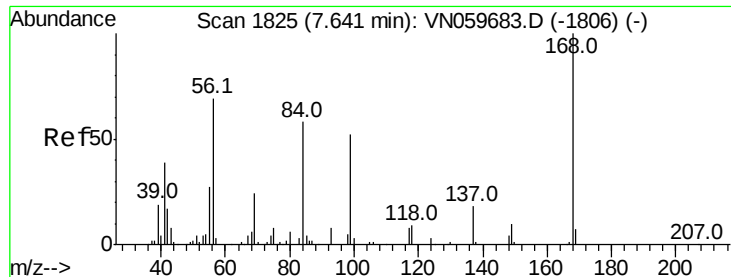
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122019\
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Instrument :
MSVOA_X
ClientSampled :

Quant Time: Dec 20 16:34:04 2019
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Quant Title : SW846 8260
QLast Update : Fri Dec 20 16:30:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

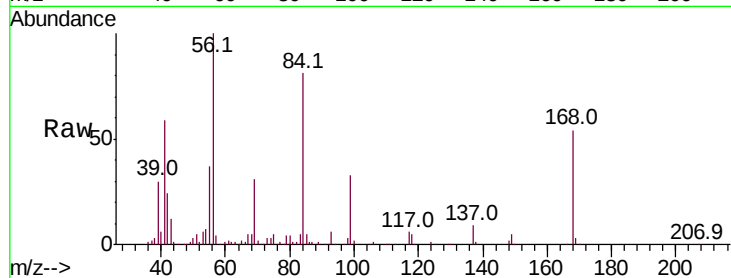
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 227734

Ion Ratio Lower Upper

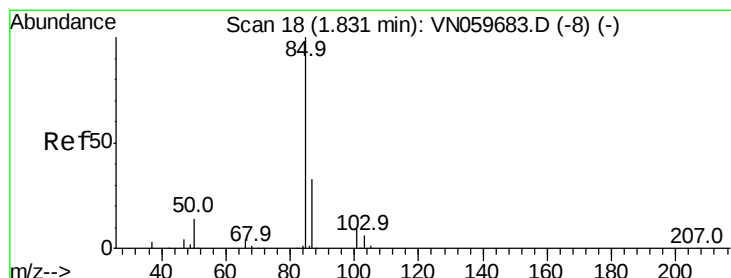
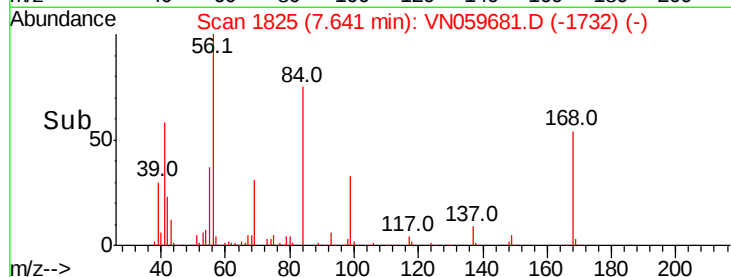
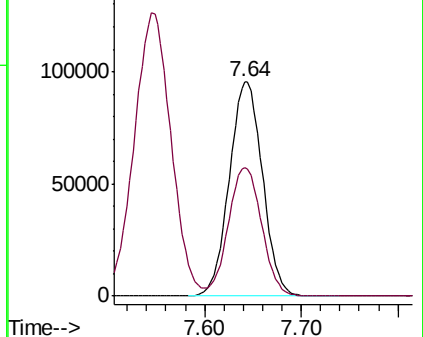
168 100

99 60.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 176.774 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN059681.D

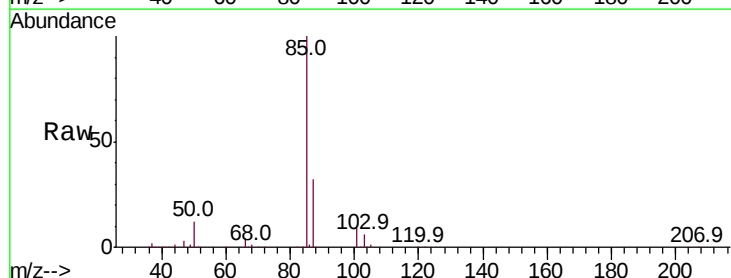
Acq: 20 Dec 2019 15:14

Tgt Ion: 85 Resp: 522555

Ion Ratio Lower Upper

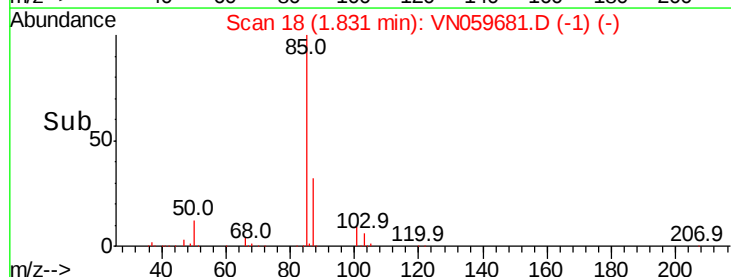
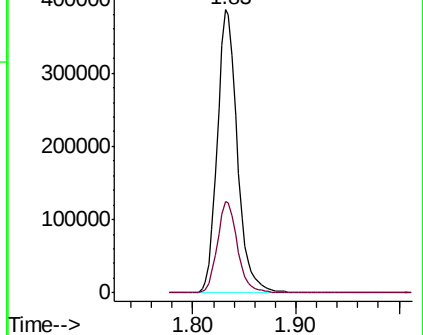
85 100

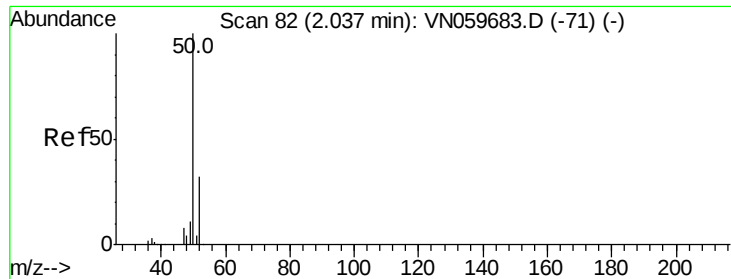
87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 140.439 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

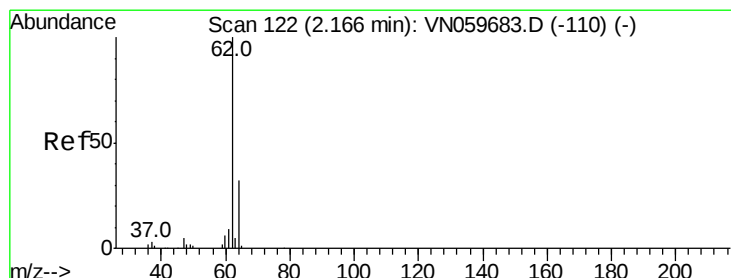
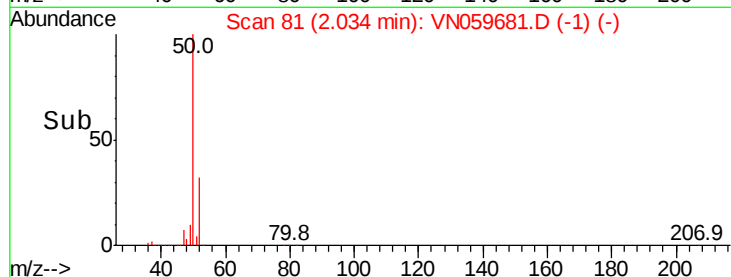
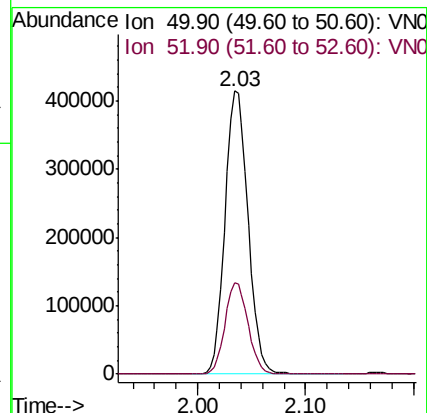
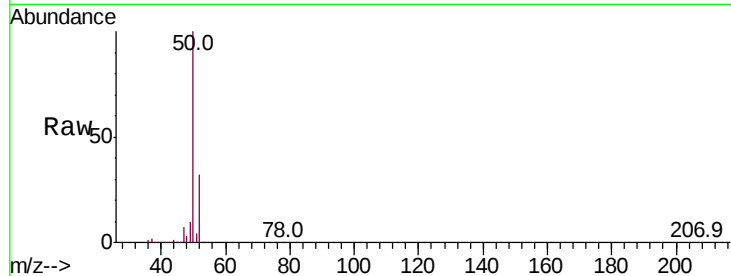
ClientSampleId :

Tot Ion: 50 Resp: 615076

Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3



#4

Vinyl Chloride

Concen: 134.410 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059681.D

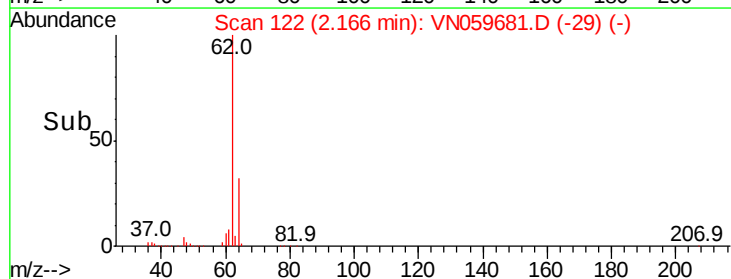
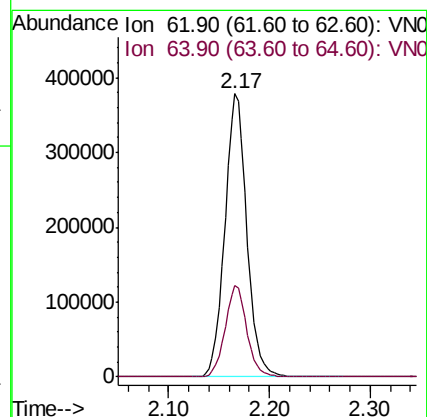
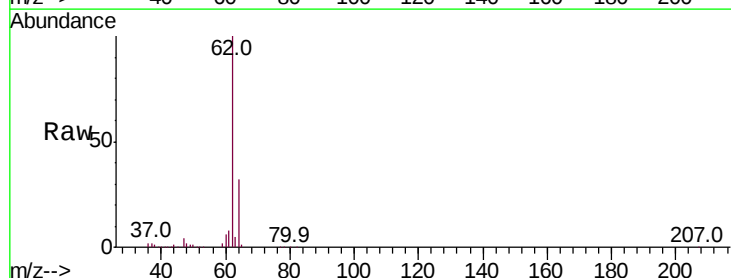
Acq: 20 Dec 2019 15:14

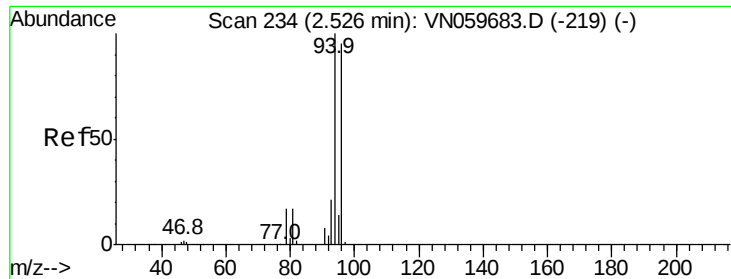
Tgt Ion: 62 Resp: 574193

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 125.547 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.01 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

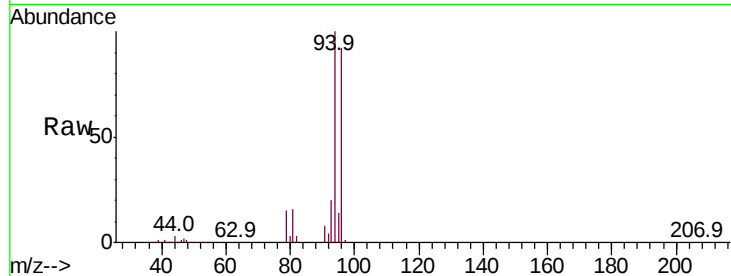
ClientSampleId :

Tot Ion: 94 Resp: 310705

Ion Ratio Lower Upper

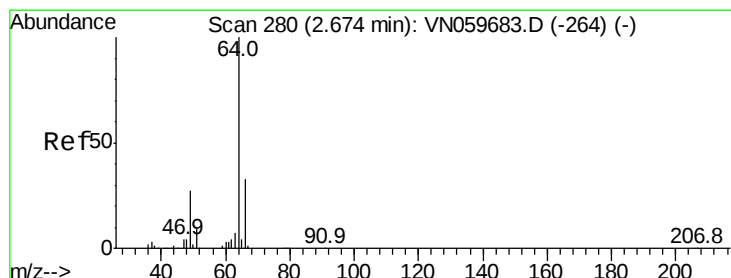
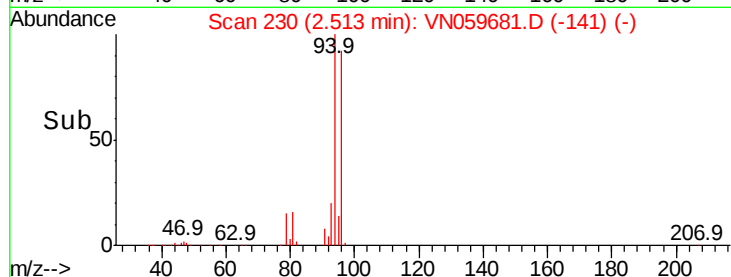
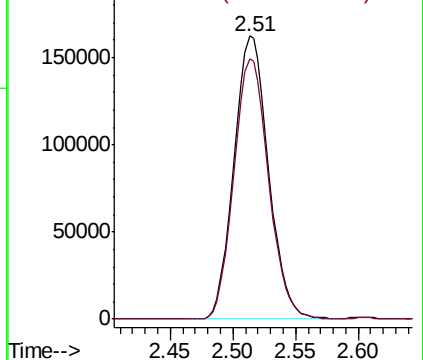
94 100

96 92.2 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 123.033 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN059681.D

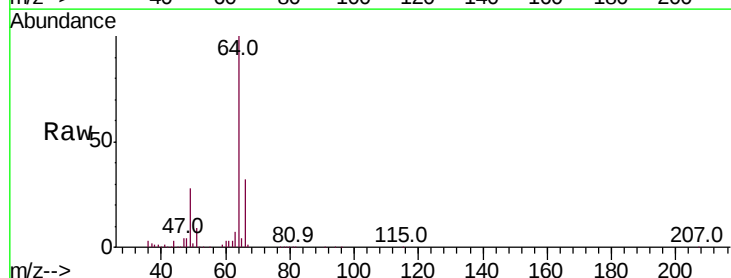
Acq: 20 Dec 2019 15:14

Tgt Ion: 64 Resp: 297999

Ion Ratio Lower Upper

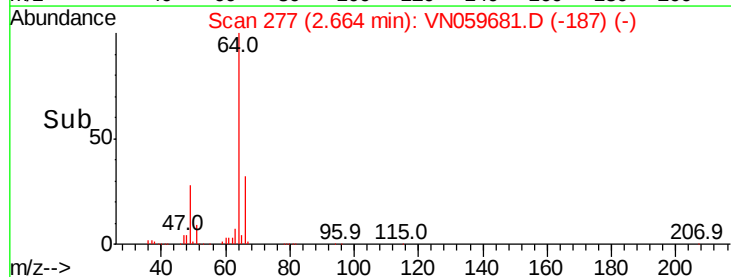
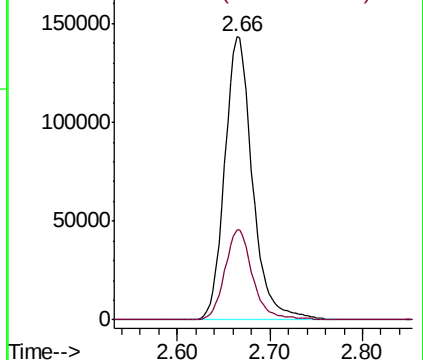
64 100

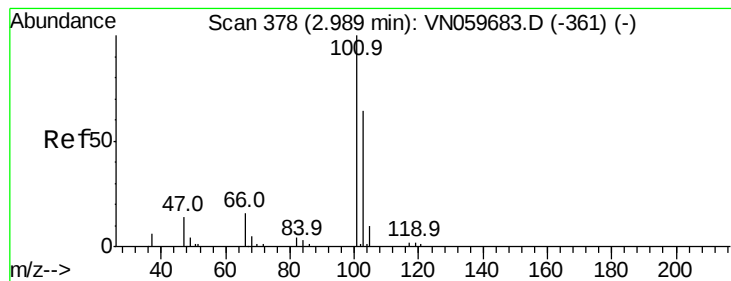
66 31.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



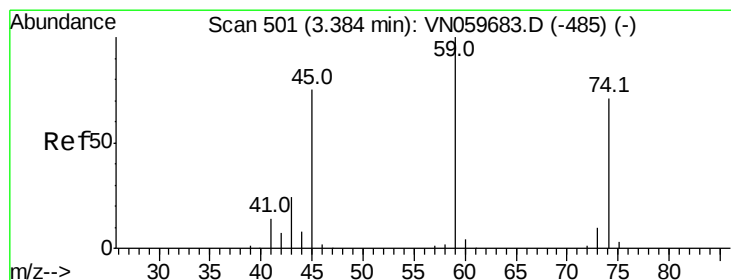
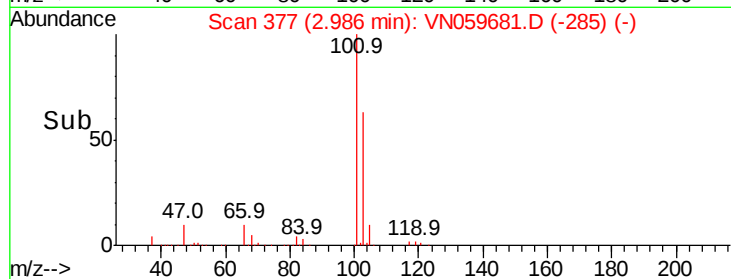
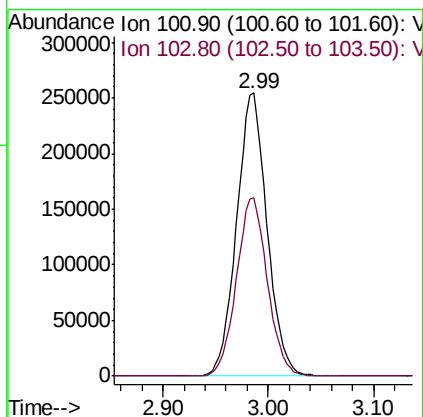
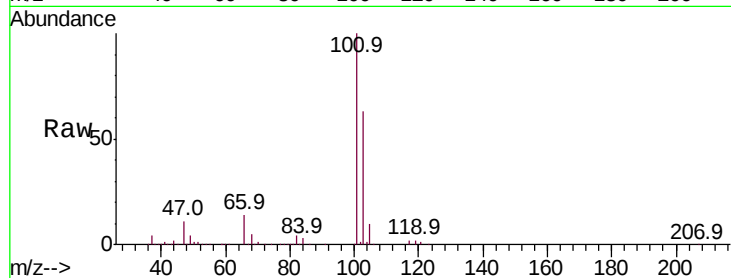


#7

Trichlorofluoromethane
Concen: 113.005 ug/l
RT: 2.99 min Scan# 377
Delta R.T. -0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

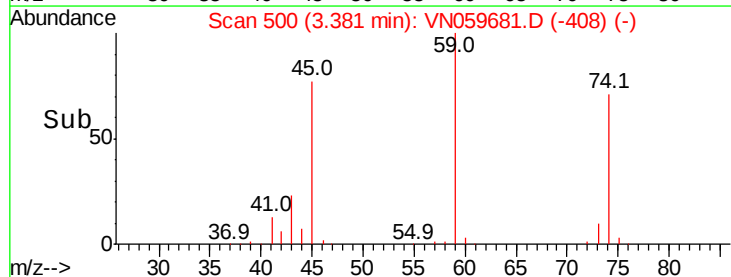
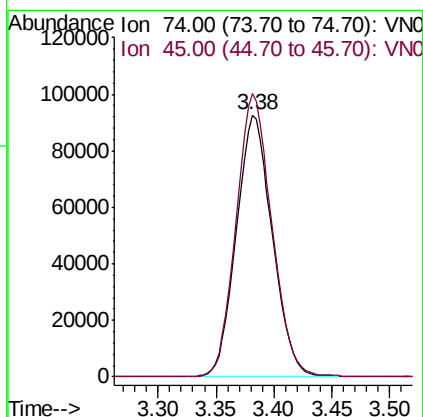
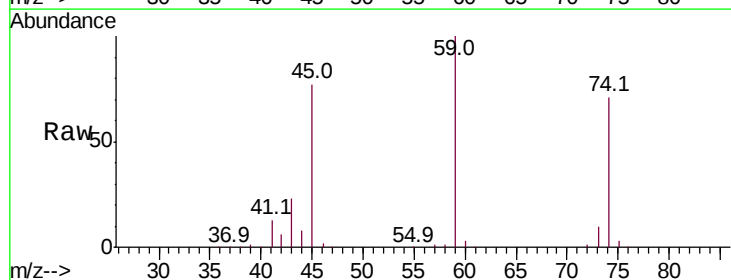
Tot Ion:101 Resp: 509451
Ion Ratio Lower Upper
101 100
103 62.9 51.2 76.8

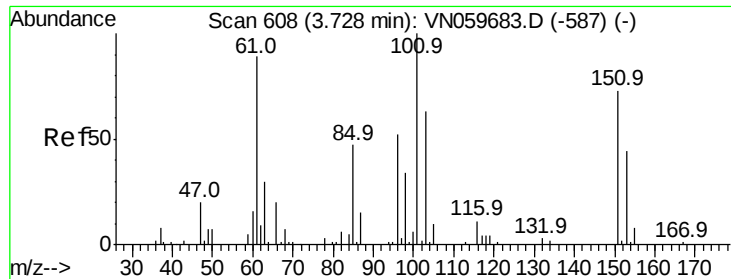


#8

Diethyl Ether
Concen: 132.630 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 74 Resp: 198827
Ion Ratio Lower Upper
74 100
45 107.4 54.4 163.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 115.658 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

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ClientSampleId :

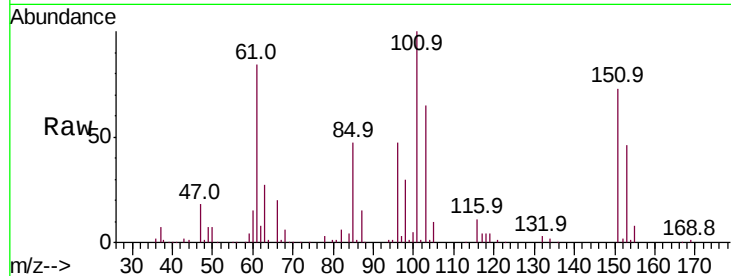
Tot Ion:101 Resp: 276017

Ion Ratio Lower Upper

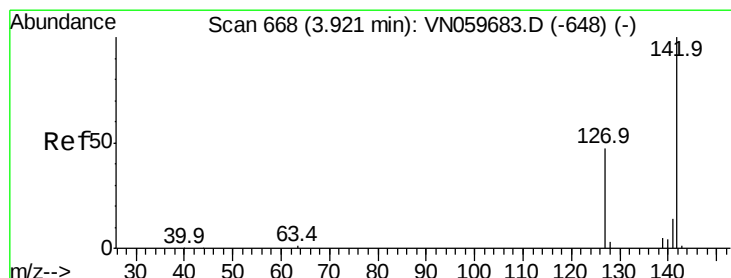
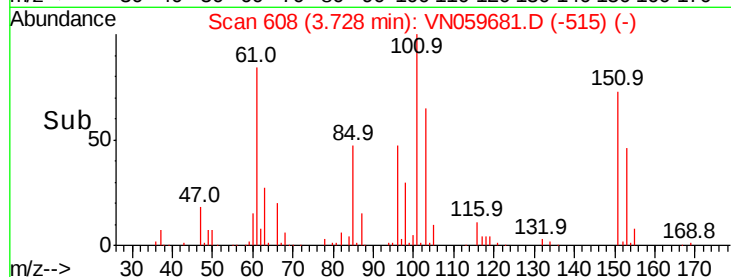
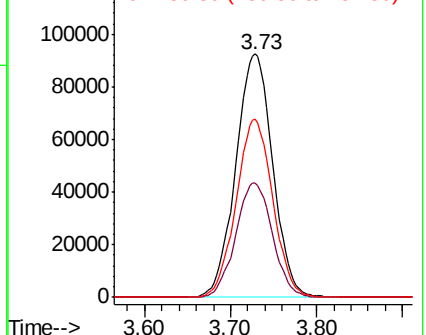
101 100

85 46.8 36.5 54.7

151 72.6 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: 139.354 ug/l

RT: 3.92 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

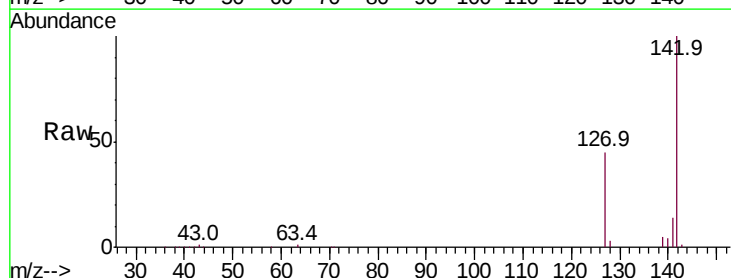
Tgt Ion:142 Resp: 433453

Ion Ratio Lower Upper

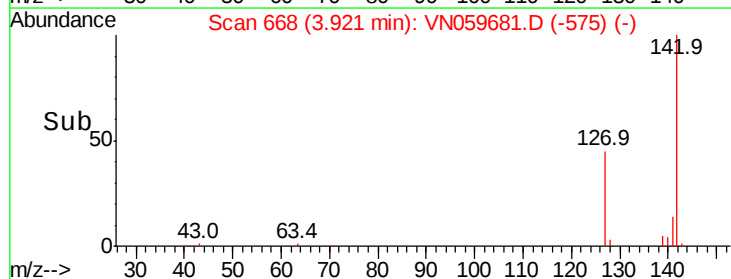
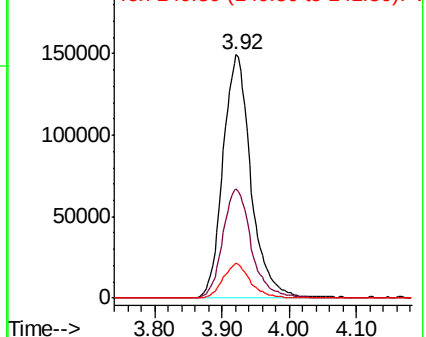
142 100

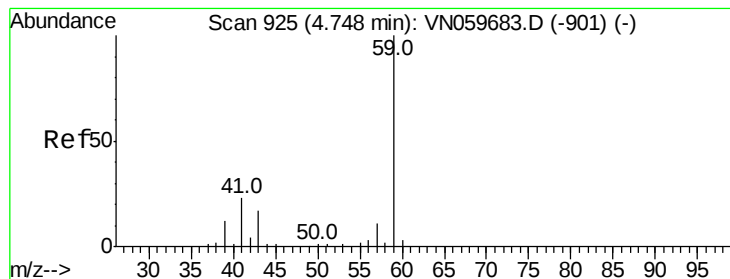
127 45.8 37.0 55.6

141 13.9 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



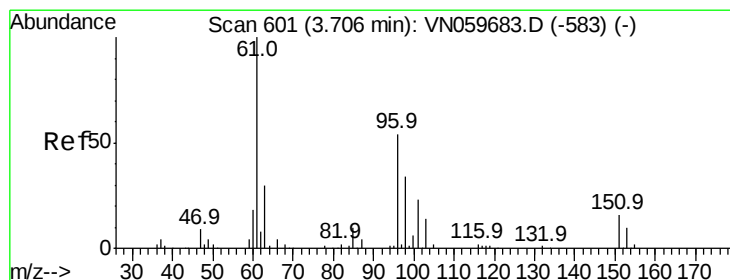
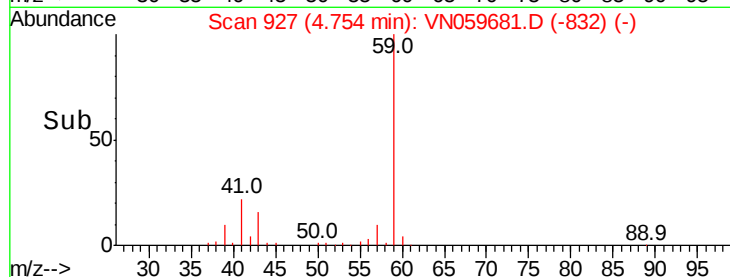
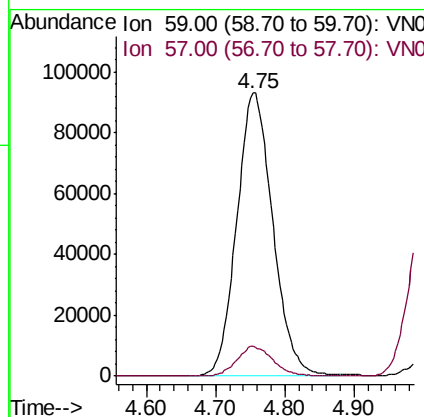
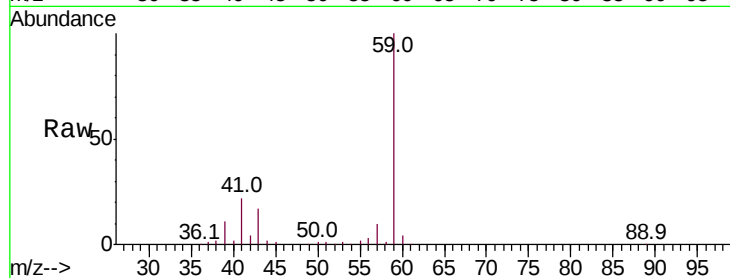


#11

Tert butyl alcohol
 Concen: 577.674 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

Instrument :
 MSVOA_X
 ClientSampled :

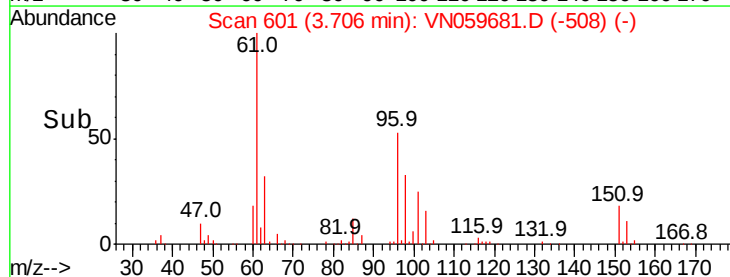
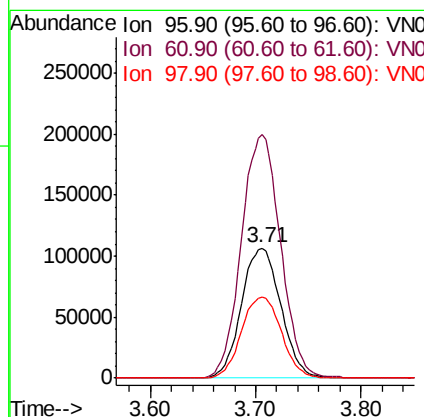
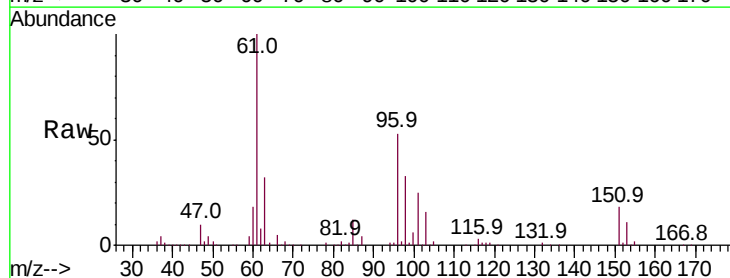
Tot Ion: 59 Resp: 337921
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.3 12.5

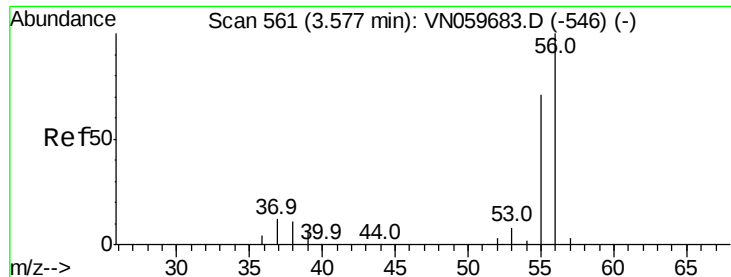


#12

1,1-Dichloroethene
 Concen: 119.375 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

Tgt Ion: 96 Resp: 277342
 Ion Ratio Lower Upper
 96 100
 61 187.3 147.3 220.9
 98 62.7 49.8 74.8





#13

Acrolein

Concen: 594.233 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

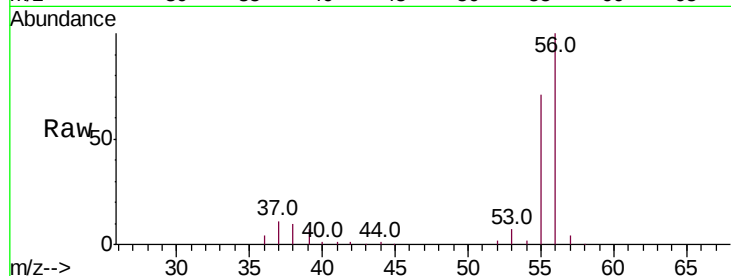
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 223077

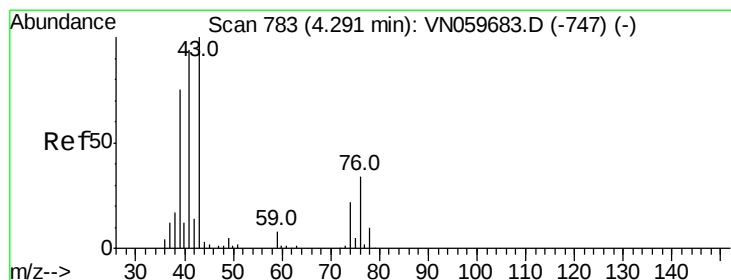
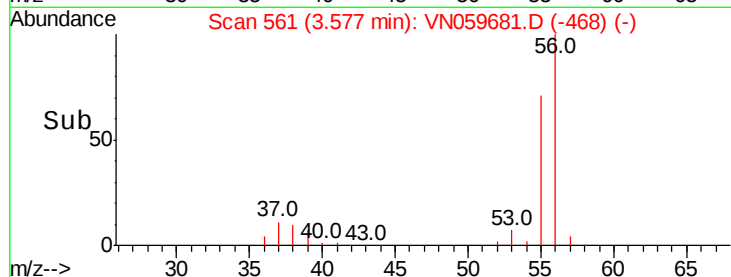
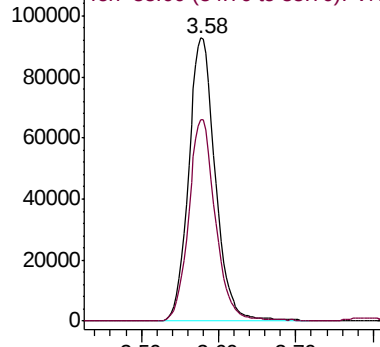
Ion Ratio Lower Upper

56 100

55 71.0 58.8 88.2



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 132.814 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

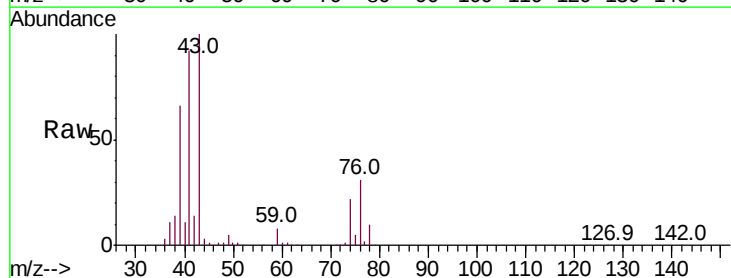
Tgt Ion: 41 Resp: 636177

Ion Ratio Lower Upper

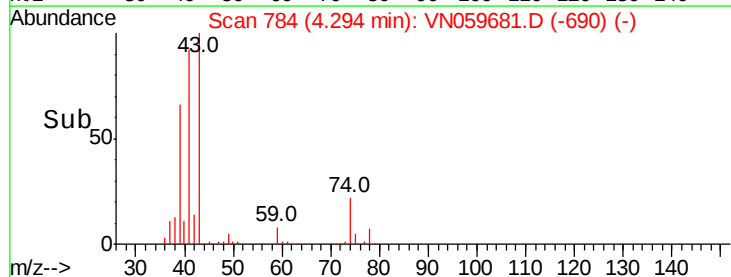
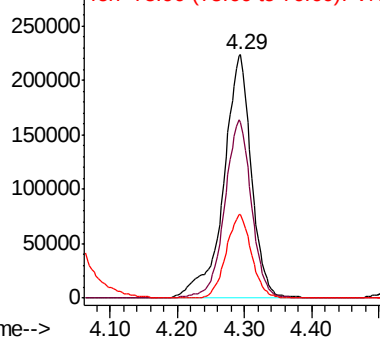
41 100

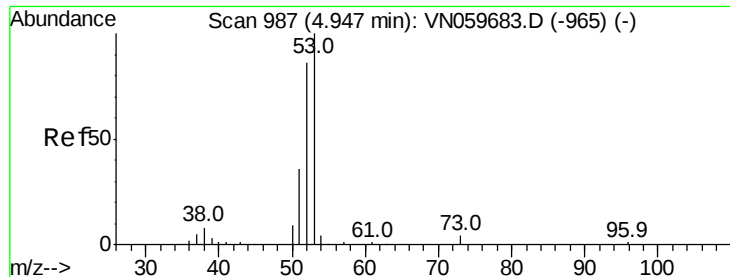
39 70.5 58.9 88.3

76 31.3 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 634.878 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

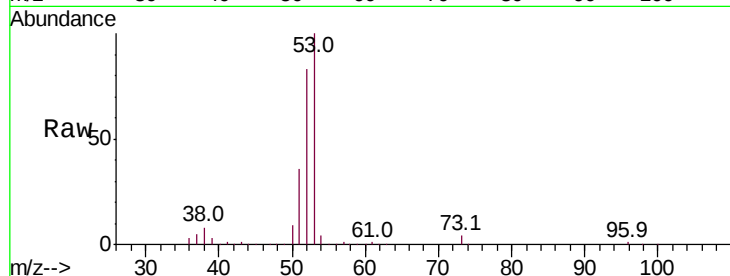
Tot Ion: 53 Resp: 908492

Ion Ratio Lower Upper

53 100

52 82.6 67.1 100.7

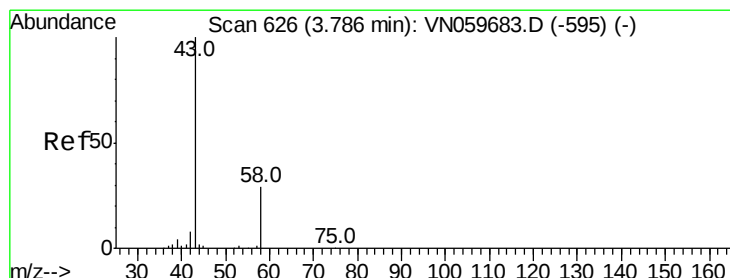
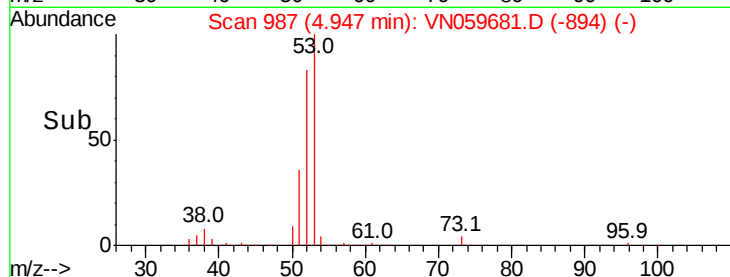
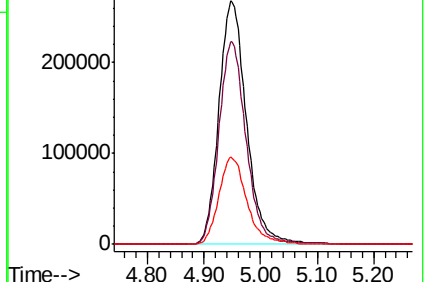
51 36.7 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 522.795 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059681.D

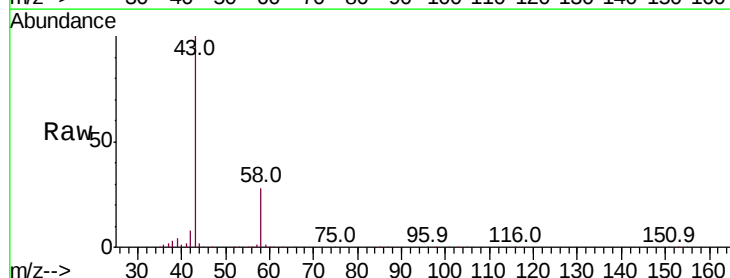
Acq: 20 Dec 2019 15:14

Tgt Ion: 43 Resp: 977905

Ion Ratio Lower Upper

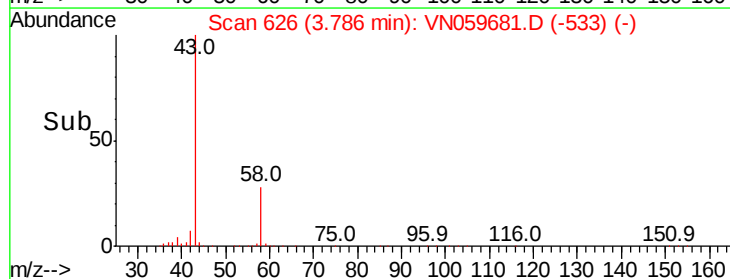
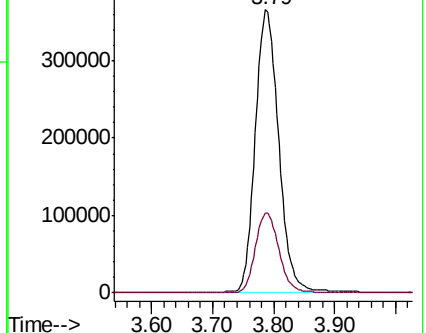
43 100

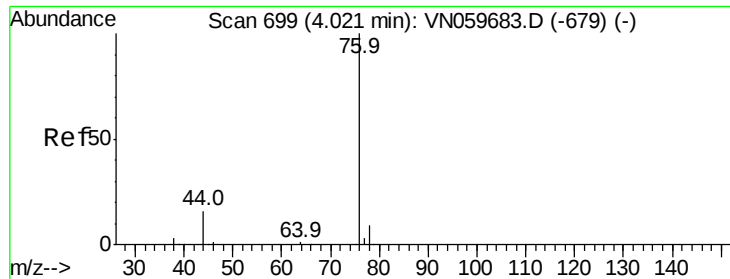
58 28.3 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

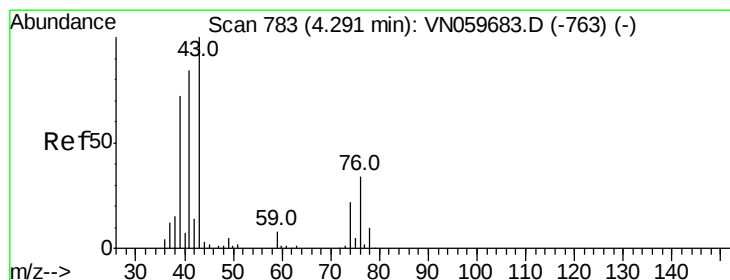
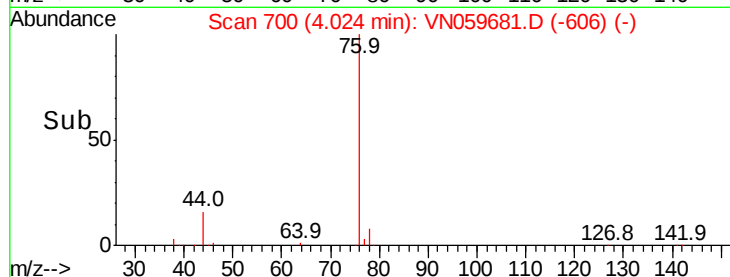
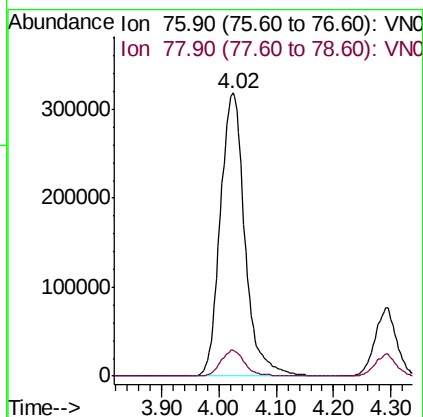
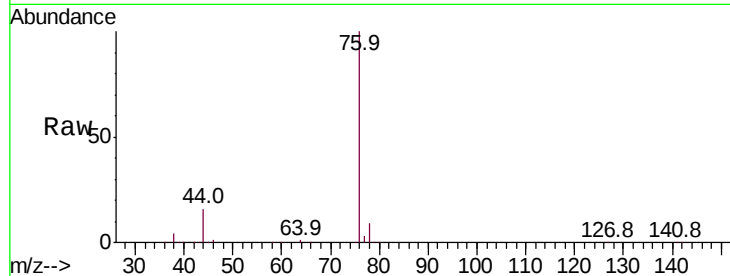




#17
Carbon Disulfide
Concen: 118.125 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

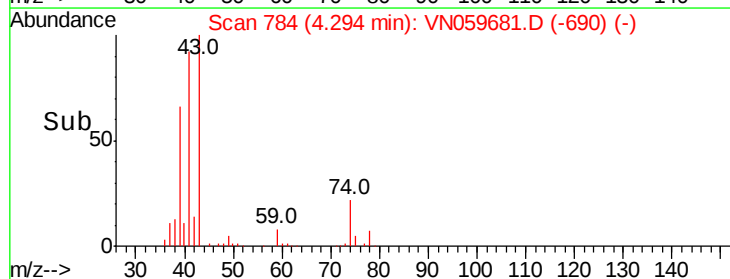
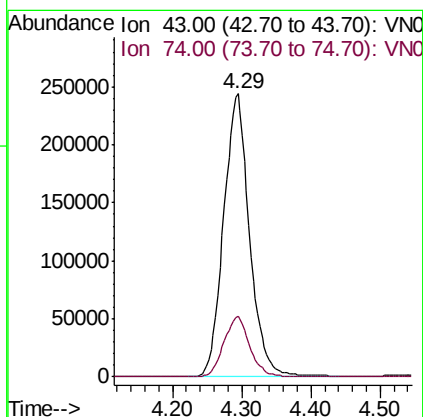
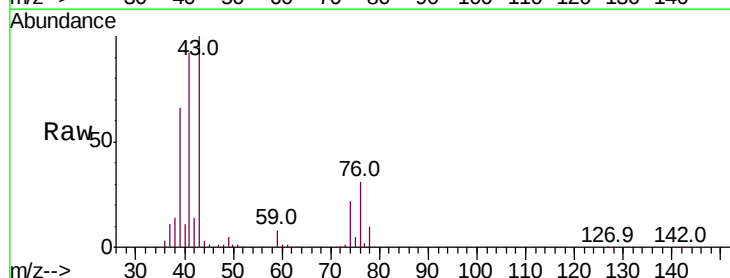
Instrument :
MSVOA_X
ClientSampleId :

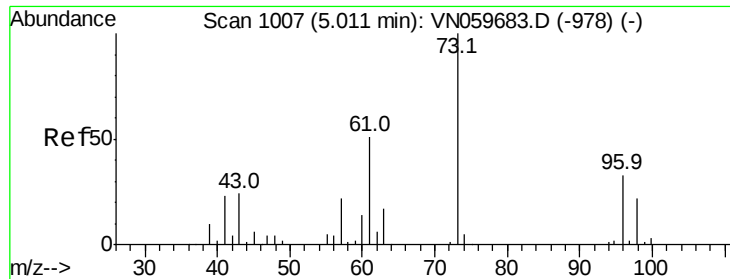
Tot Ion: 76 Resp: 947933
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 154.051 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 43 Resp: 632132
Ion Ratio Lower Upper
43 100
74 21.6 17.5 26.3

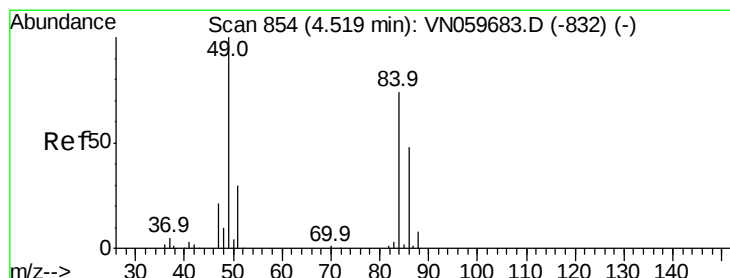
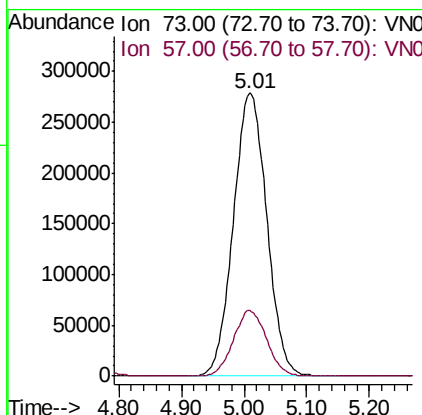
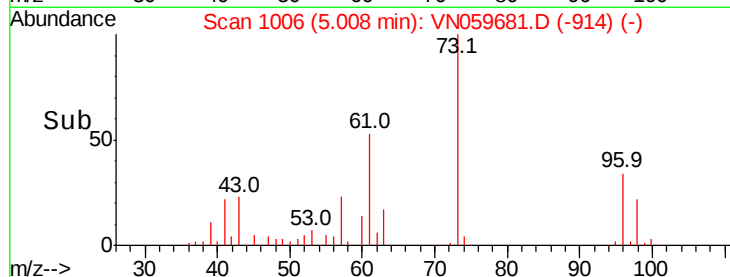
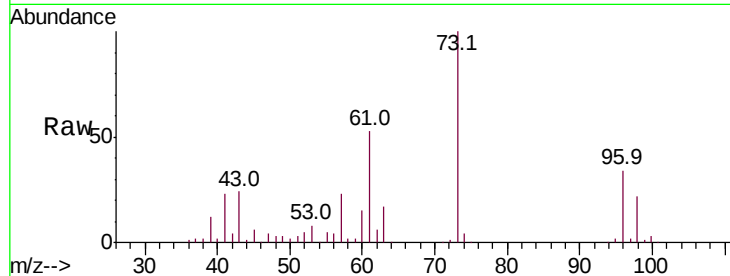




#19
Methvl tert-butvl Ether
Concen: 125.077 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

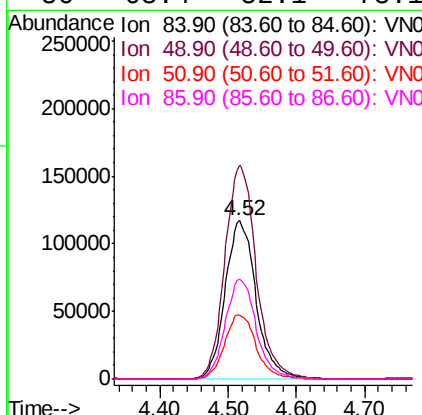
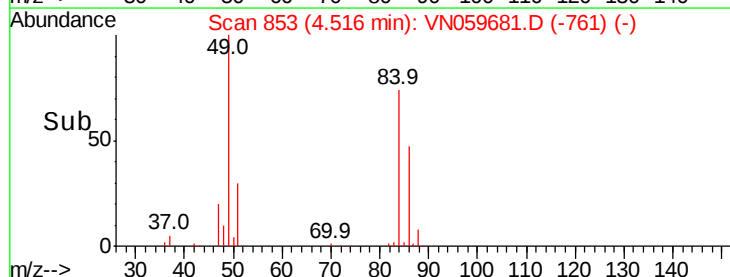
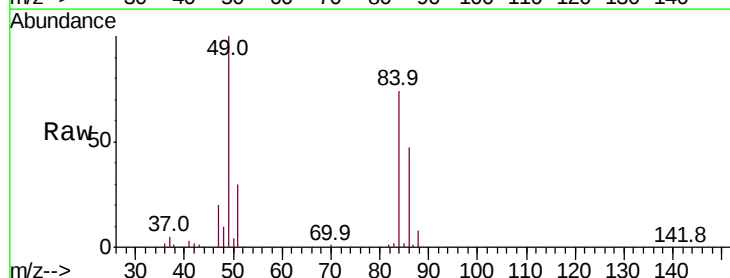
Instrument :
MSVOA_X
ClientSampleId :

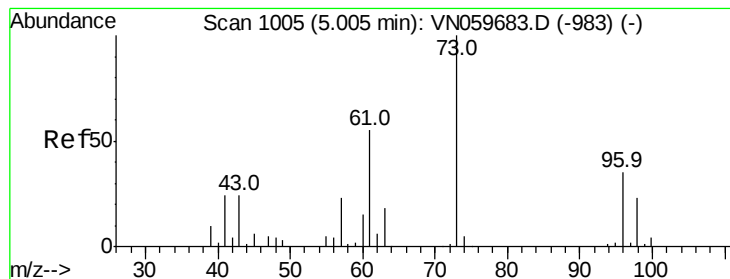
Tot Ion: 73 Resp: 1030182
Ion Ratio Lower Upper
73 100
57 23.3 17.6 26.4



#20
Methylene Chloride
Concen: 132.107 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 84 Resp: 369176
Ion Ratio Lower Upper
84 100
49 135.1 108.0 162.0
51 40.3 32.6 49.0
86 63.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 117.138 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.00 min

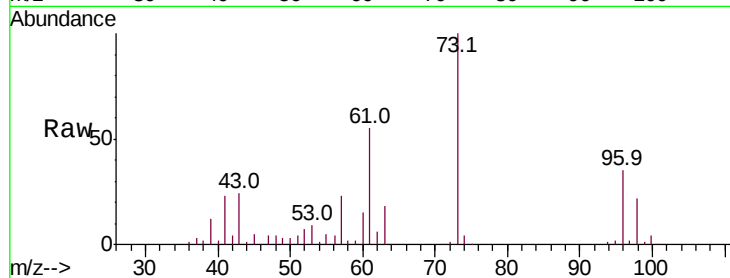
Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 303740

Ion	Ratio	Lower	Upper
96	100		
61	157.3	125.6	188.4
98	64.6	51.1	76.7

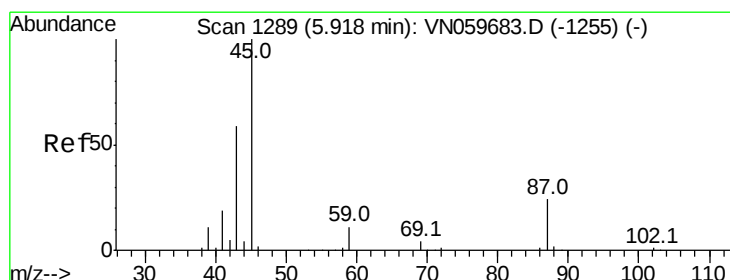
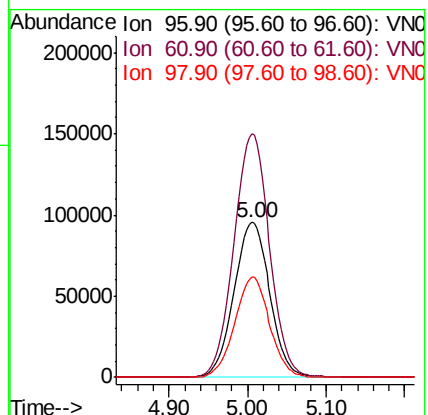
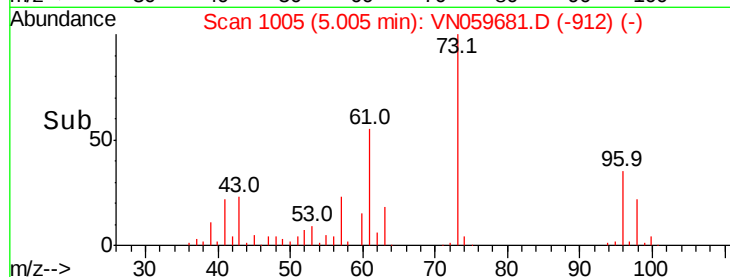


Abundance

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: 159.337 ug/l

RT: 5.92 min Scan# 1289

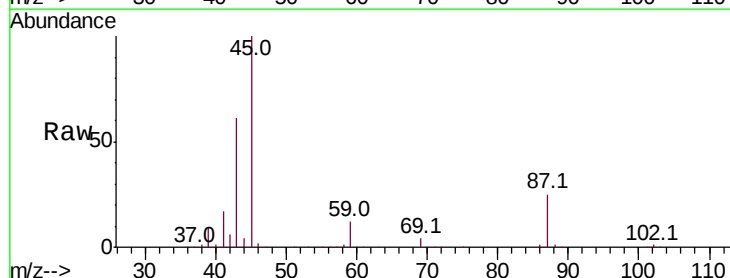
Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Tgt Ion: 45 Resp: 1406697

Ion	Ratio	Lower	Upper
45	100		
43	60.2	50.4	75.6
87	24.9	20.1	30.1
59	11.5	8.9	13.3



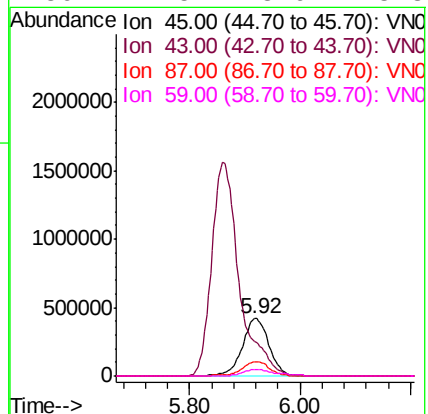
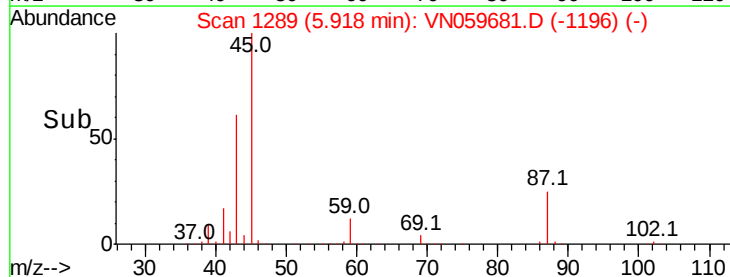
Abundance

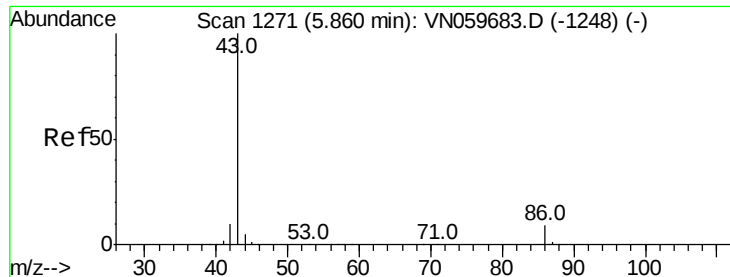
Ion 45.00 (44.70 to 45.70): VN0

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: 787.062 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

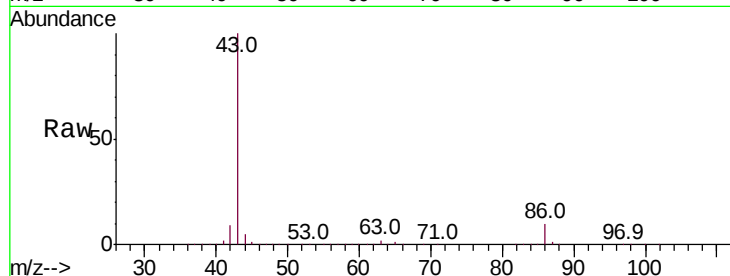
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 5407060

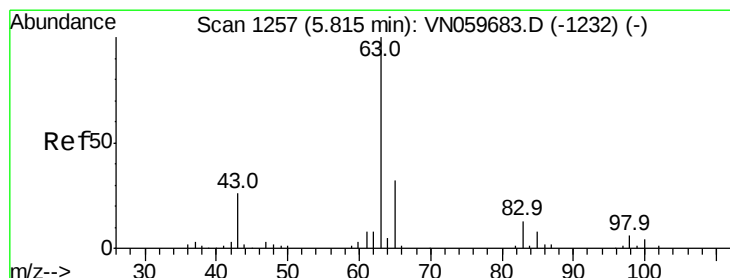
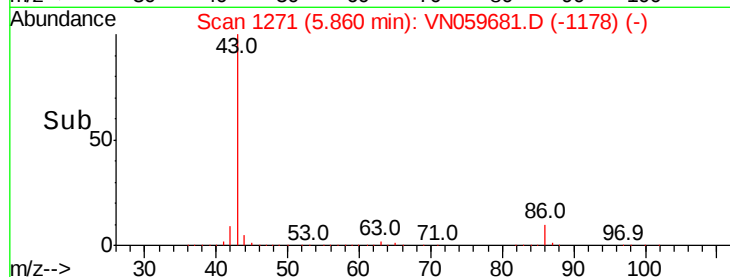
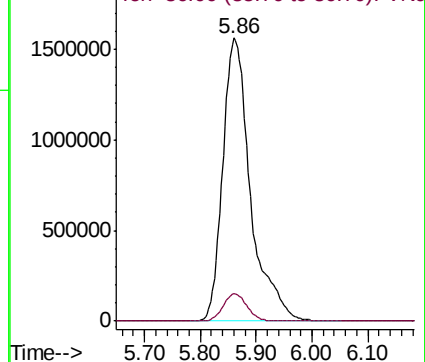
Ion Ratio Lower Upper

43 100

86 9.8 7.2 10.8



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



#24

1,1-Dichloroethane

Concen: 146.807 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

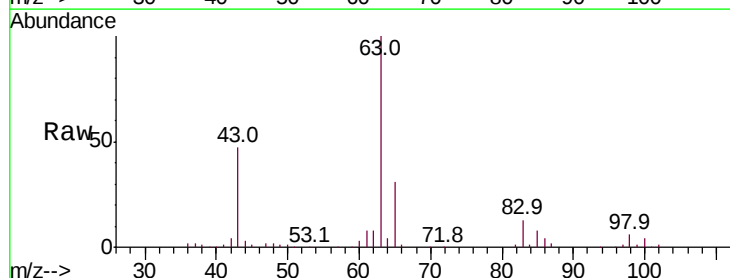
Tgt Ion: 63 Resp: 733331

Ion Ratio Lower Upper

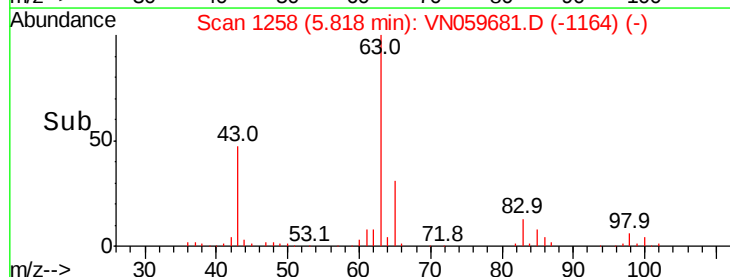
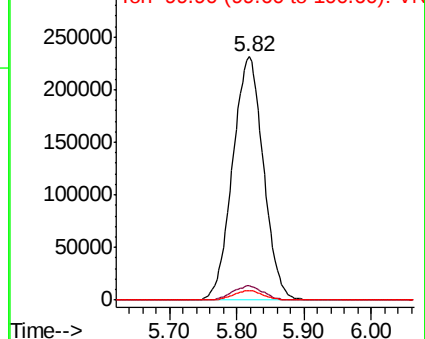
63 100

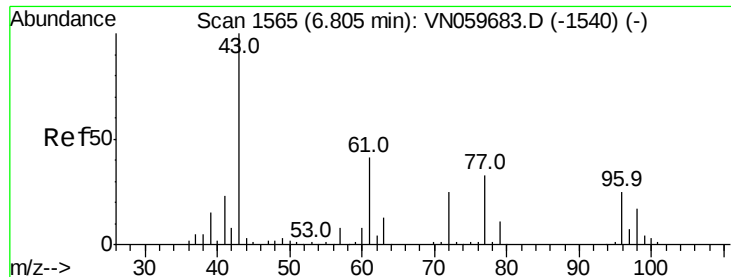
98 5.9 2.9 8.6

100 3.7 2.0 6.0



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

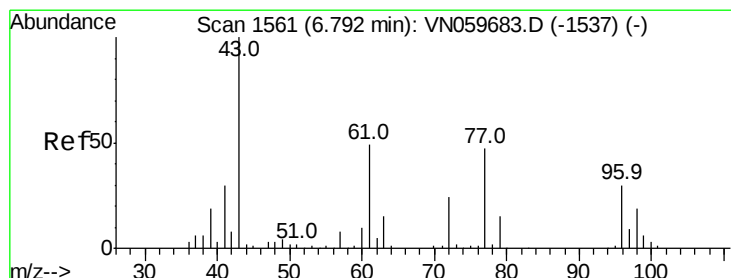
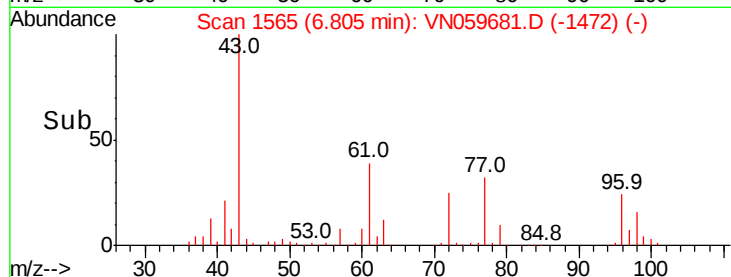
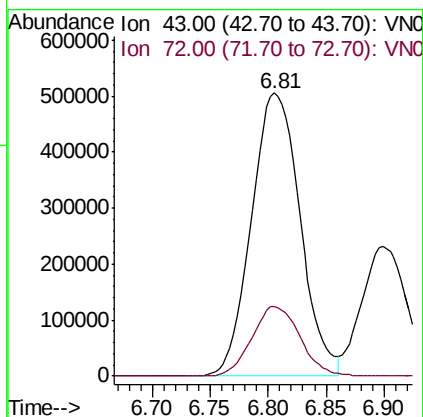
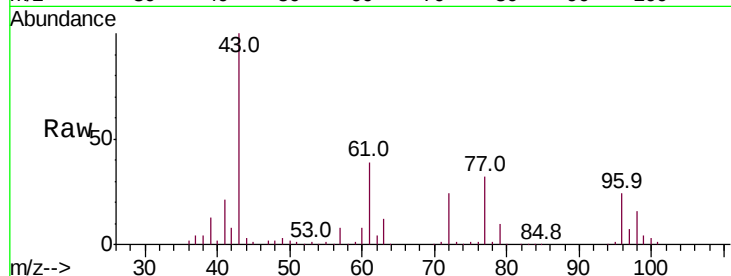




#25
2-Butanone
Concen: 647.610 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

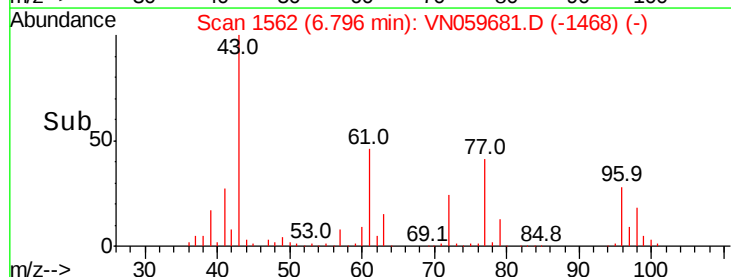
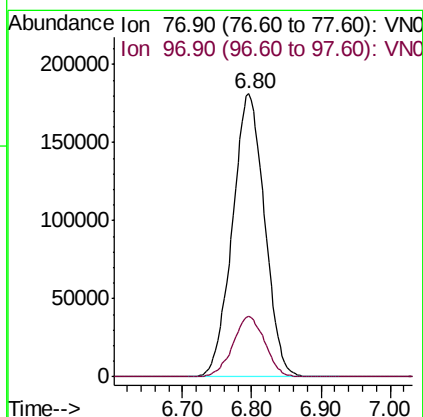
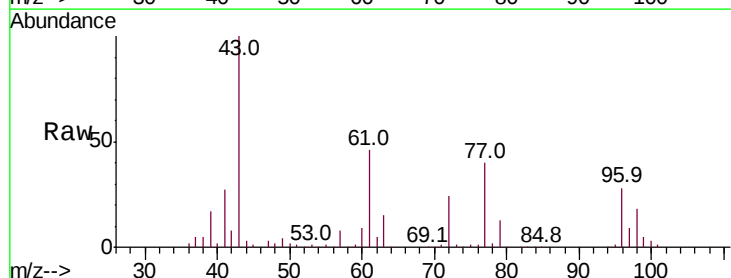
Instrument :
MSVOA_X
ClientSampled :

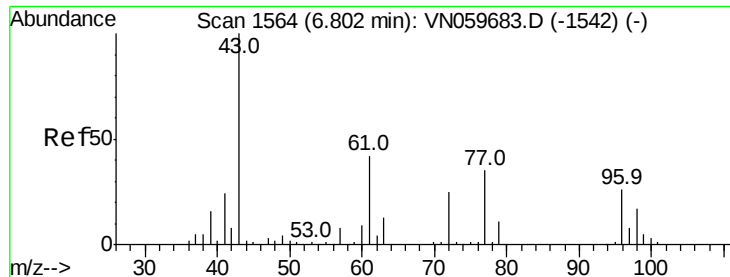
Tot Ion: 43 Resp: 1476056
Ion Ratio Lower Upper
43 100
72 24.5 19.8 29.8



#26
2,2-Dichloropropane
Concen: 128.686 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 77 Resp: 586050
Ion Ratio Lower Upper
77 100
97 21.2 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 131.888 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :
MSVOA_X
ClientSampled :

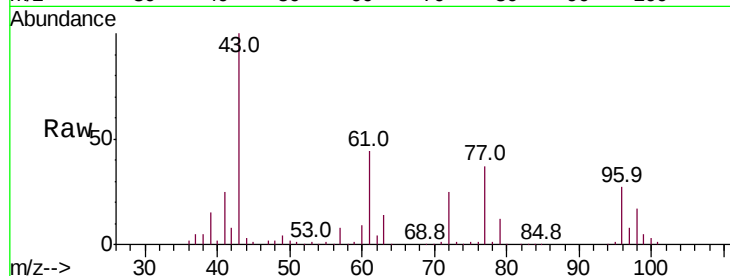
Tot Ion: 96 Resp: 379943

Ion Ratio Lower Upper

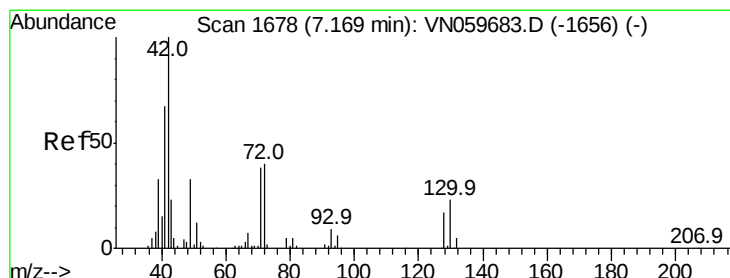
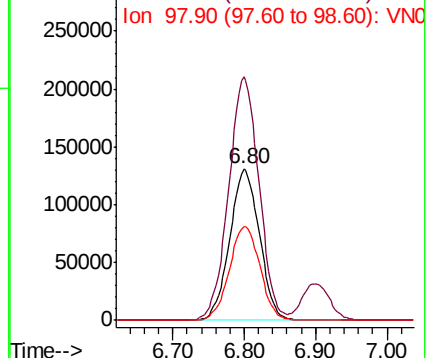
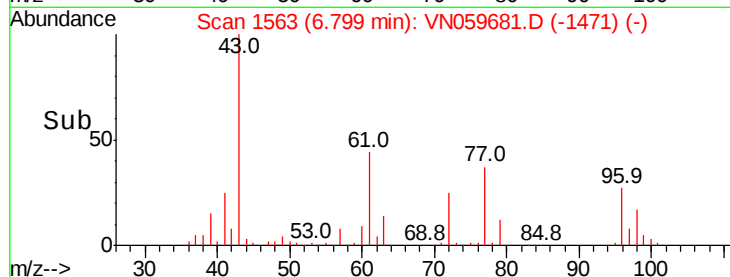
96 100

61 163.6 0.0 326.4

98 64.3 0.0 128.2



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



#28

Bromochloromethane

Concen: 248.408 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

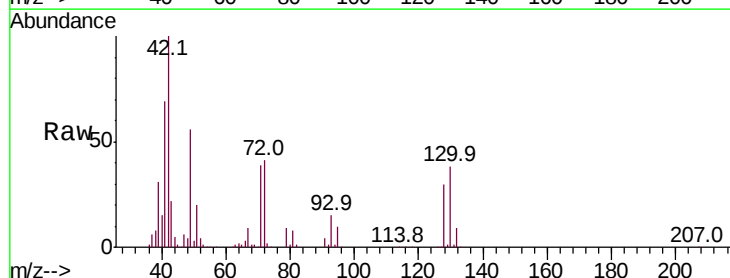
Tgt Ion: 49 Resp: 413034

Ion Ratio Lower Upper

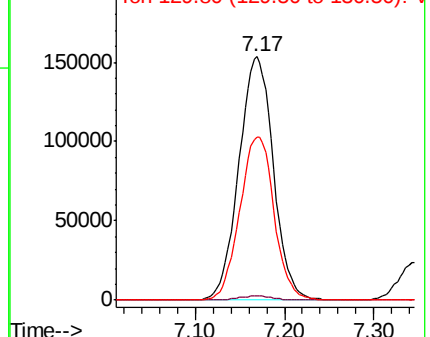
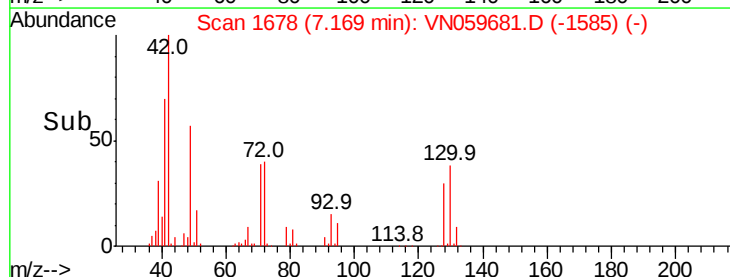
49 100

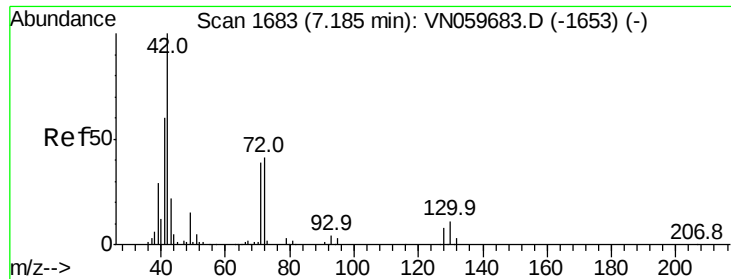
129 1.7 0.0 2.6

130 66.7 53.3 79.9



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

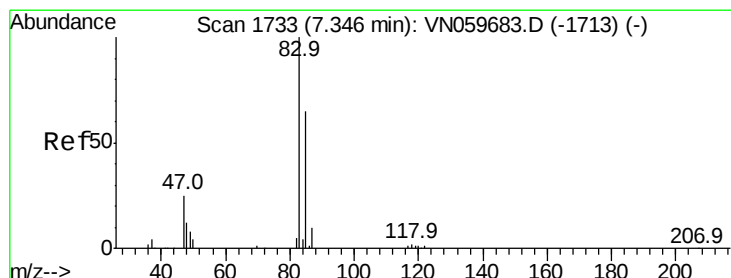
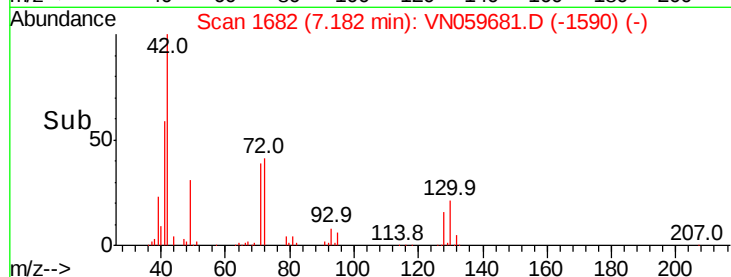
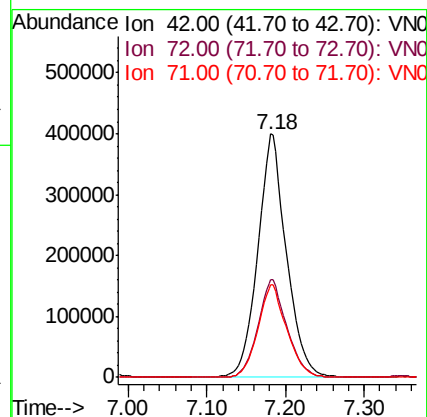
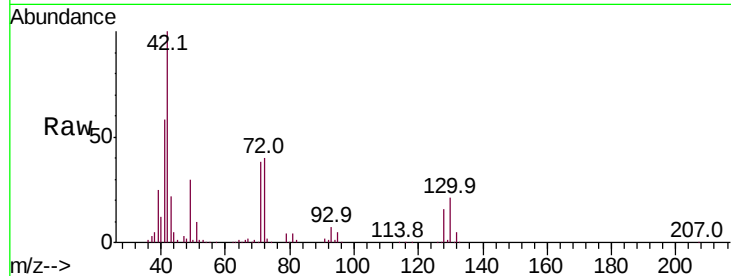




#29
Tetrahydrofuran
Concen: 726.517 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

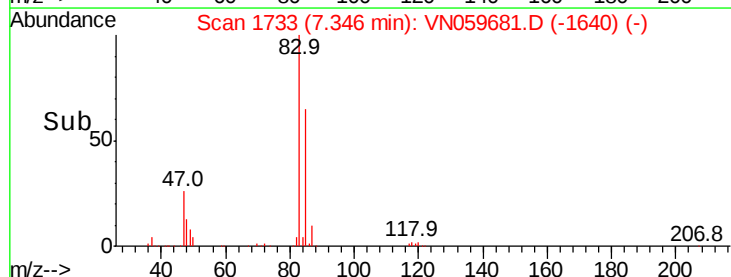
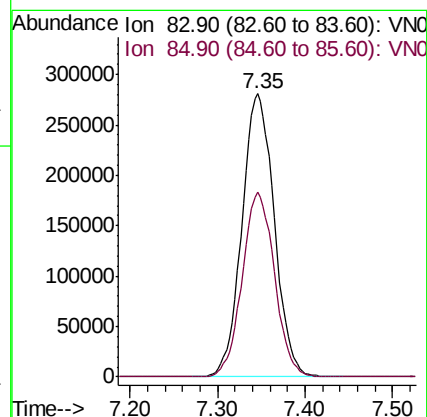
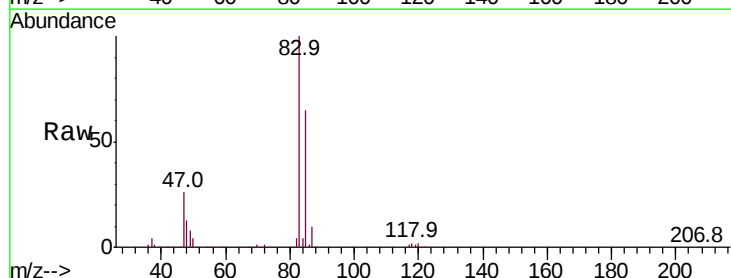
Instrument :
MSVOA_X
ClientSampleId :

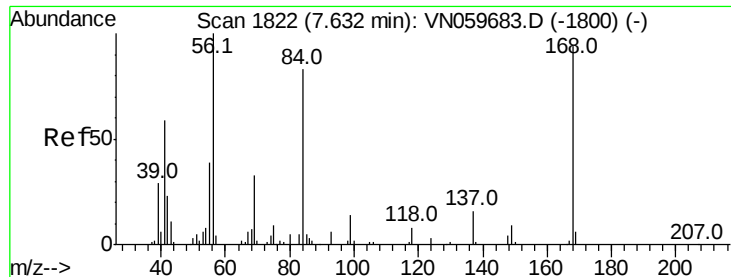
Tot Ion: 42 Resp: 1030192
Ion Ratio Lower Upper
42 100
72 40.5 32.6 49.0
71 38.5 31.2 46.8



#30
Chloroform
Concen: 141.234 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 83 Resp: 719475
Ion Ratio Lower Upper
83 100
85 65.2 51.8 77.8





#31

Cyclohexane

Concen: 119.506 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

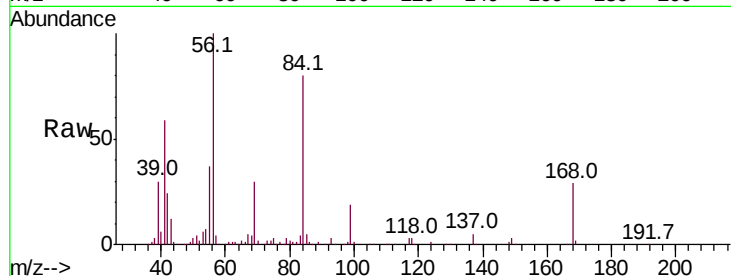
Tot Ion: 56 Resp: 574896

Ion Ratio Lower Upper

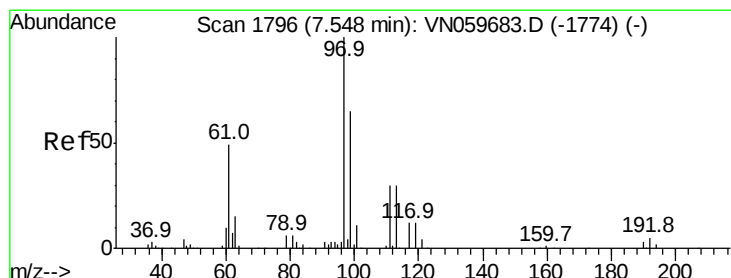
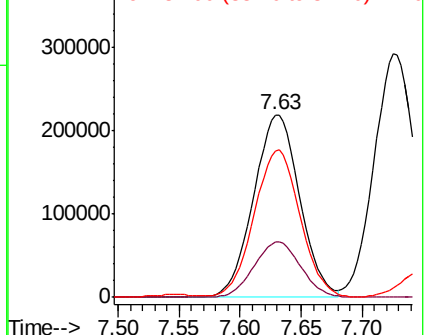
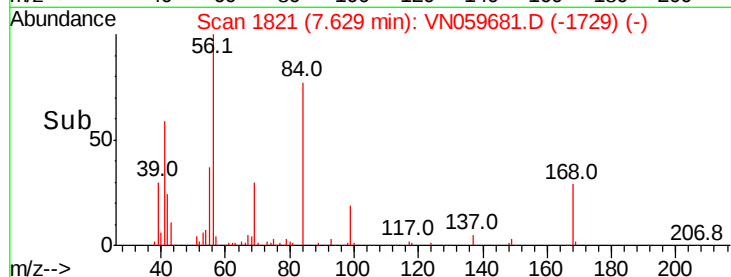
56 100

69 30.3 26.4 39.6

84 79.2 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 115.482 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

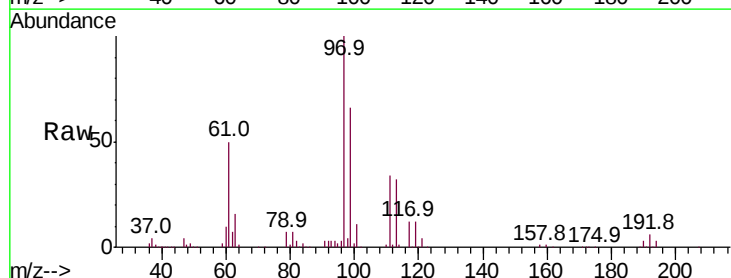
Tgt Ion: 97 Resp: 518334

Ion Ratio Lower Upper

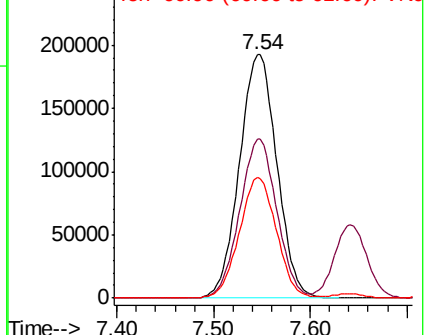
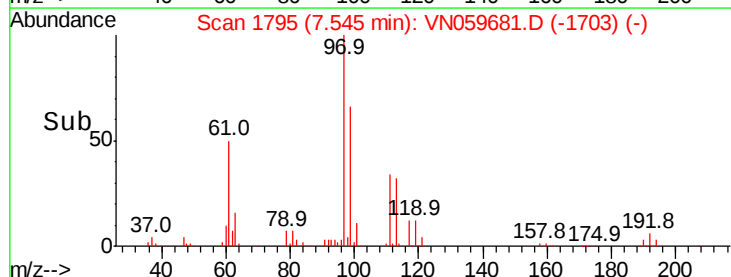
97 100

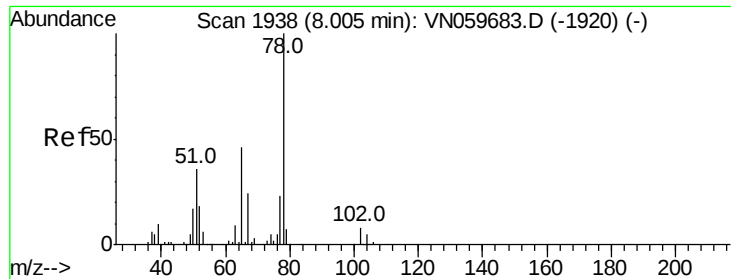
99 64.7 51.4 77.0

61 49.0 38.9 58.3



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





#33

1,2-Dichloroethane-d4

Concen: 186.531 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

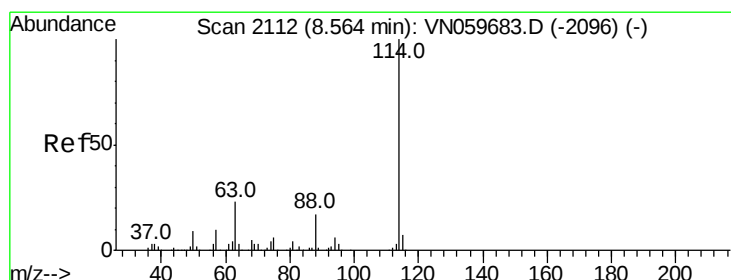
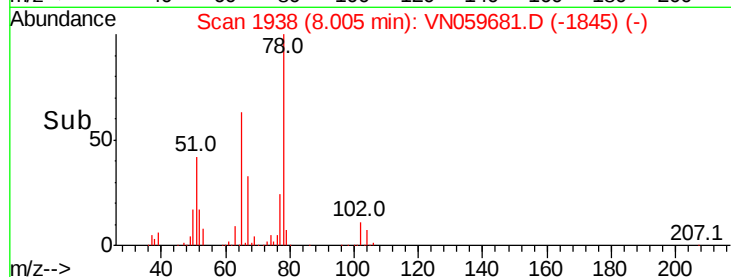
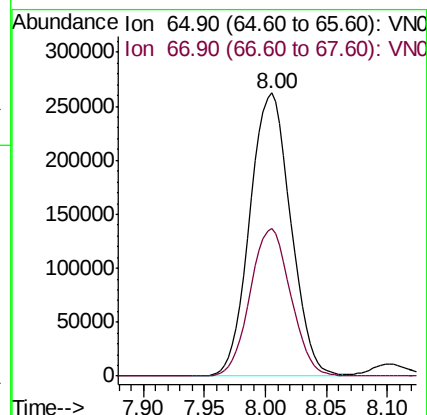
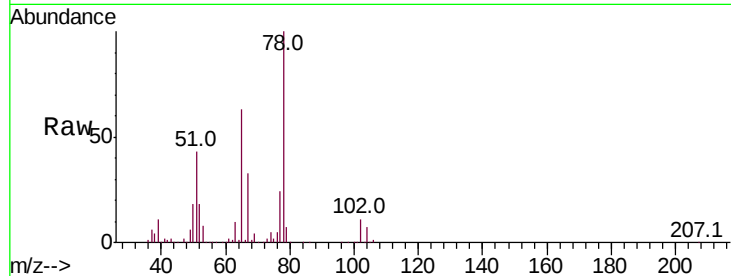
Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 609136

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

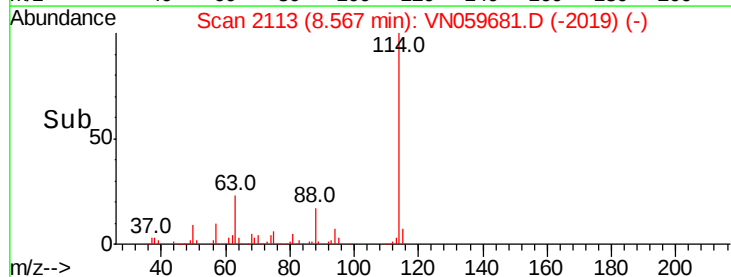
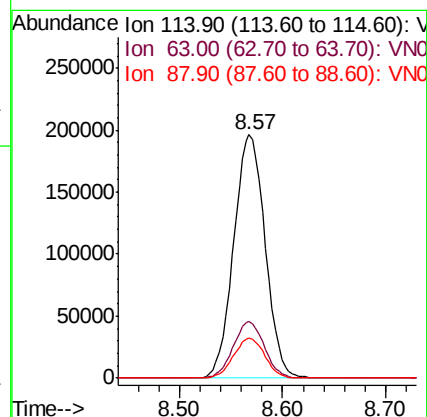
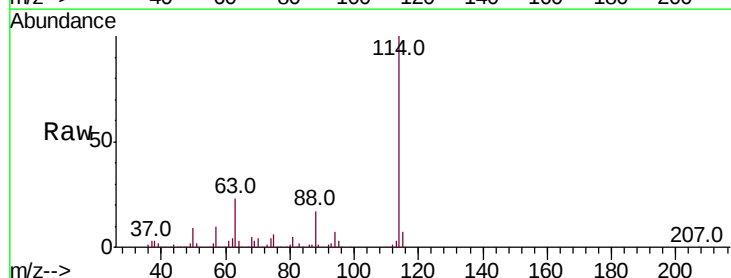
Delta R.T. 0.00 min

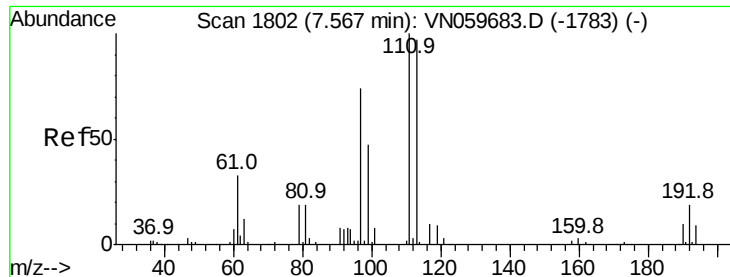
Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Tgt Ion: 114 Resp: 416702

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	46.2
88	16.5	0.0	33.6

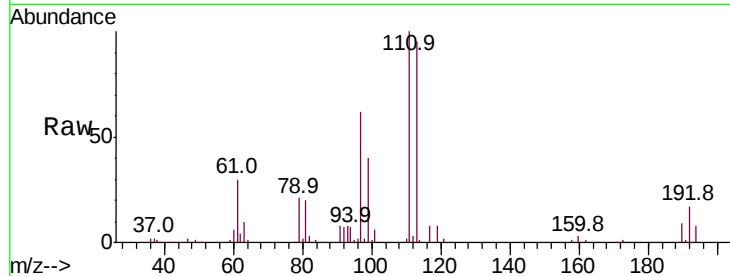




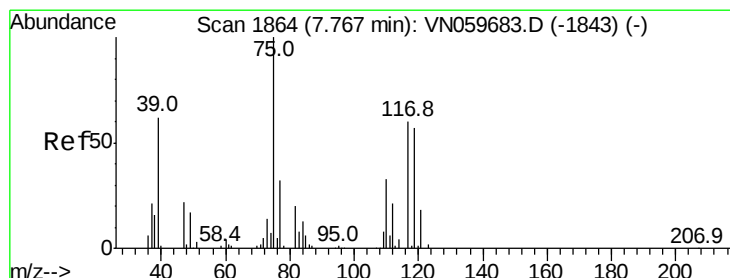
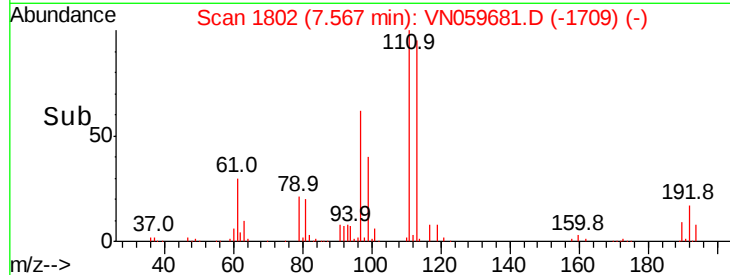
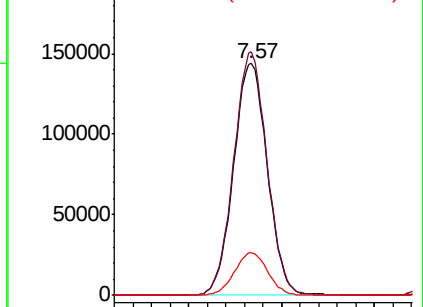
#35
 Dibromofluoromethane
 Concen: 142.330 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 364451
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.4 122.0
 192 18.1 14.9 22.3

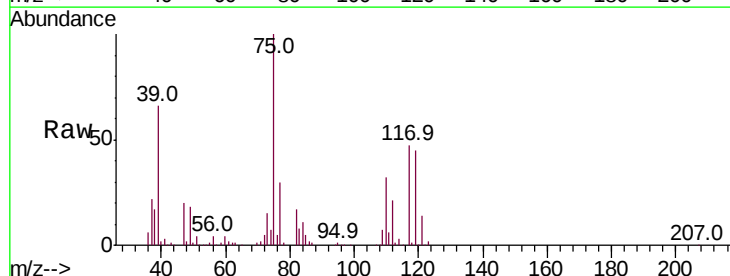


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

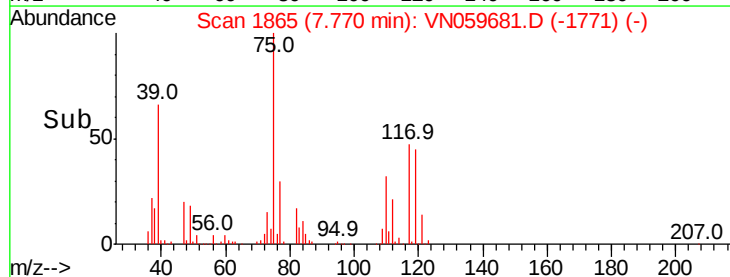
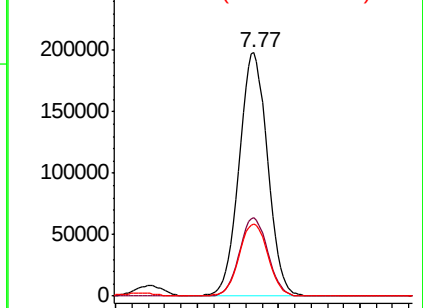


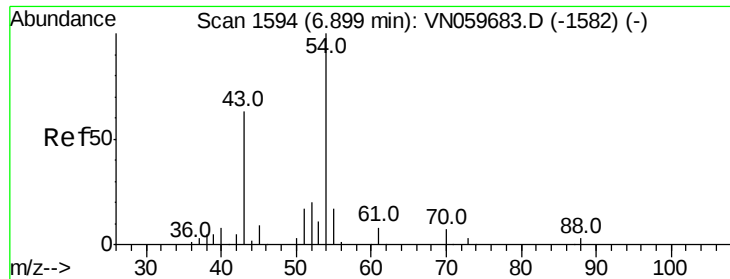
#36
 1,1-Dichloropropene
 Concen: 110.201 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

Tgt Ion: 75 Resp: 475046
 Ion Ratio Lower Upper
 75 100
 110 32.2 16.2 48.5
 77 30.6 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

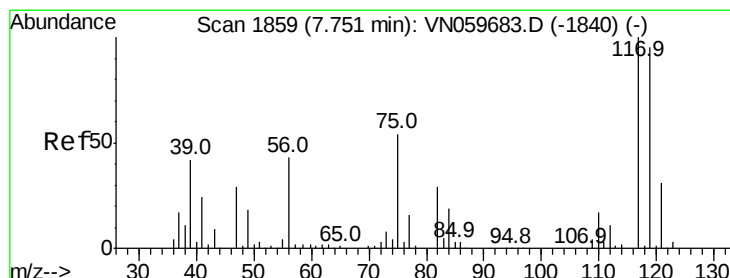
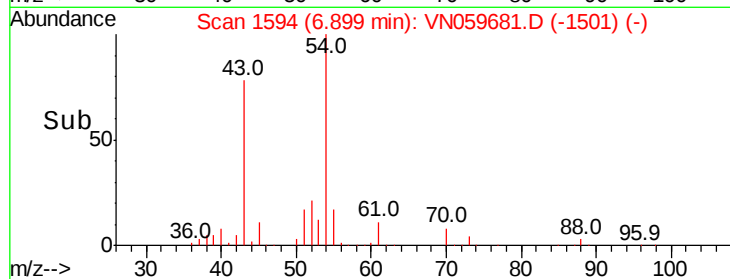
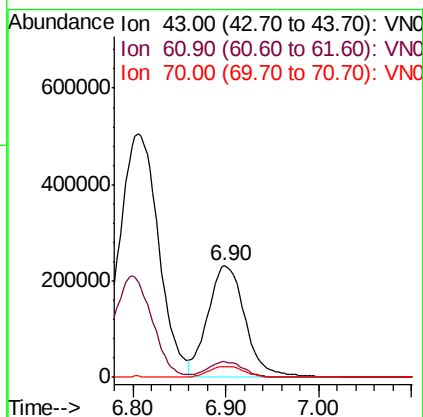
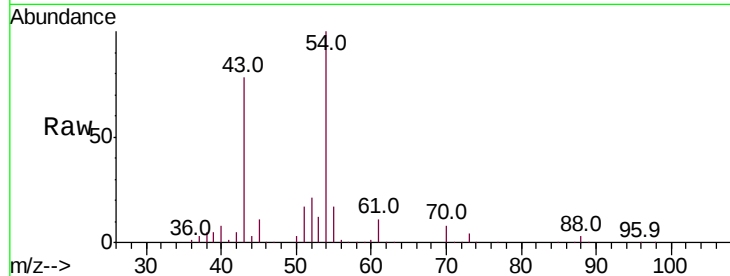




#37
Ethyl Acetate
Concen: 127.697 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

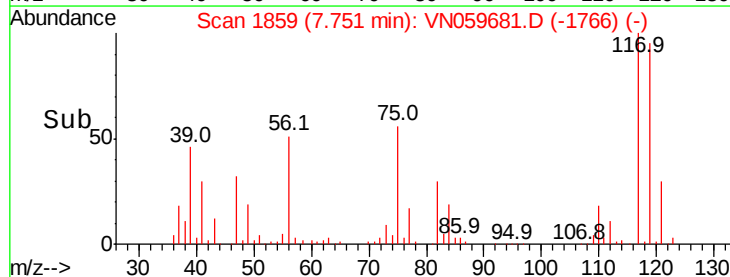
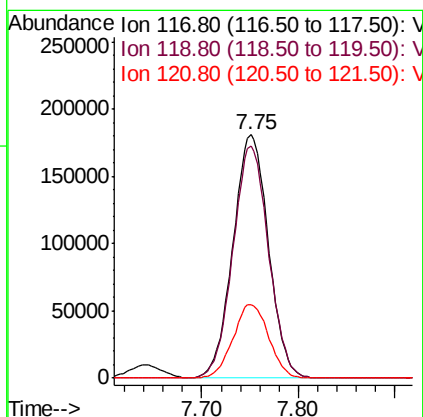
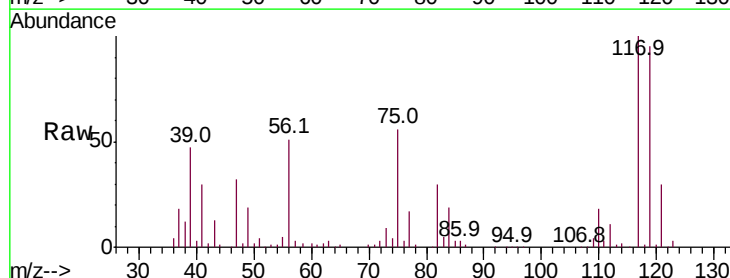
Instrument :
MSVOA_X
ClientSampleId :

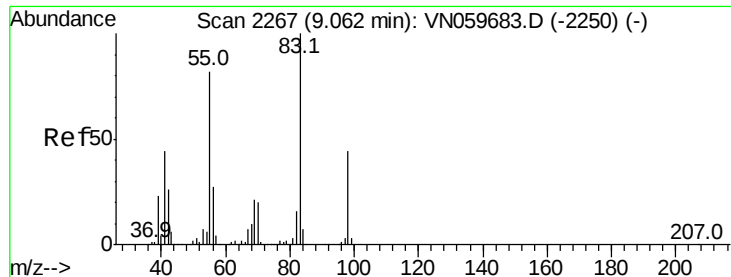
Tot Ion: 43 Resp: 641166
Ion Ratio Lower Upper
43 100
61 13.5 10.2 15.4
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 102.924 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 117 Resp: 461303
Ion Ratio Lower Upper
117 100
119 95.4 76.1 114.1
121 30.1 24.5 36.7

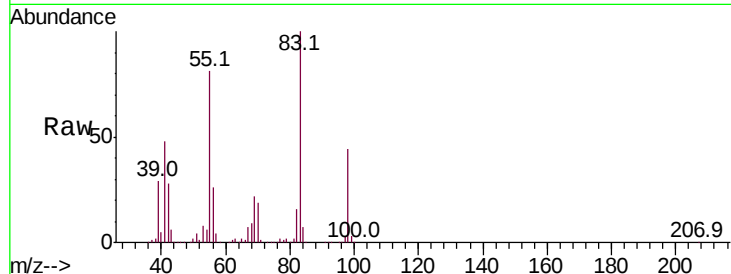




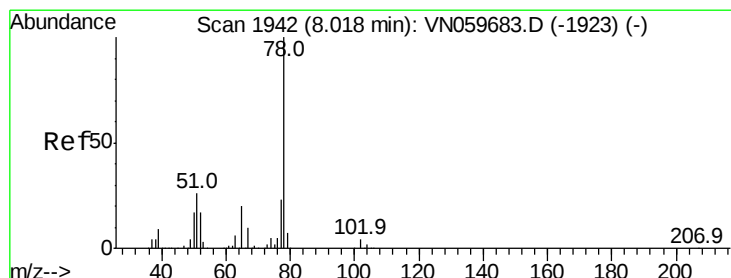
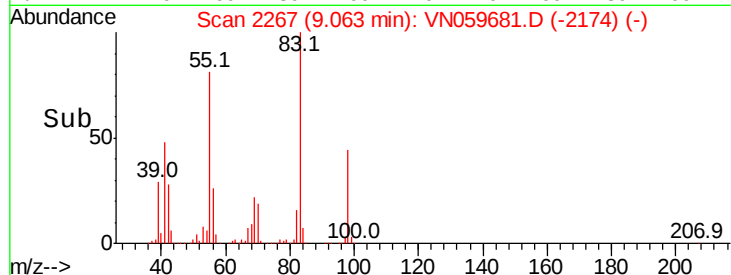
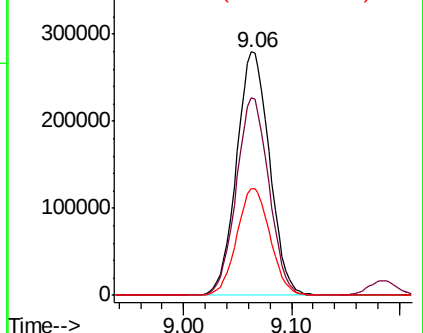
#39
Methvlcvclohexane
Concen: 117.695 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	83	Resp	595405
Ion	Ratio	Lower	Upper
83	100		
55	81.4	65.5	98.3
98	43.8	35.0	52.4

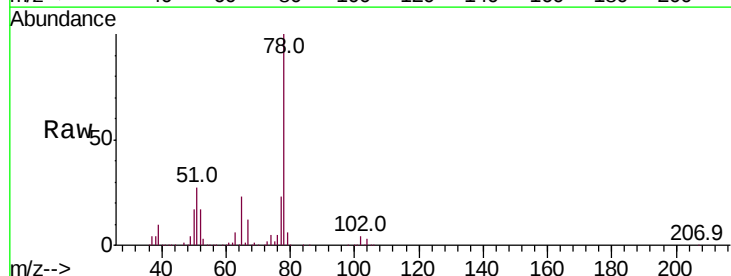


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

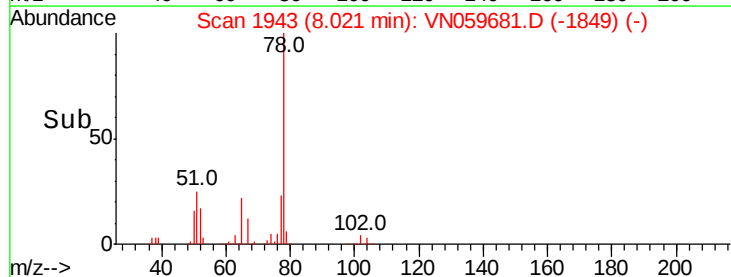
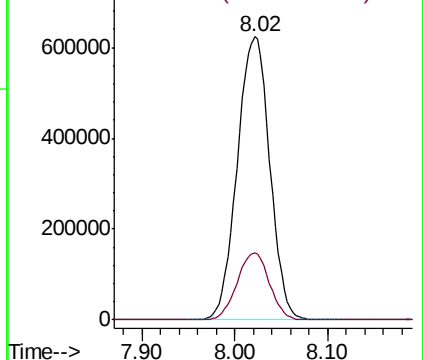


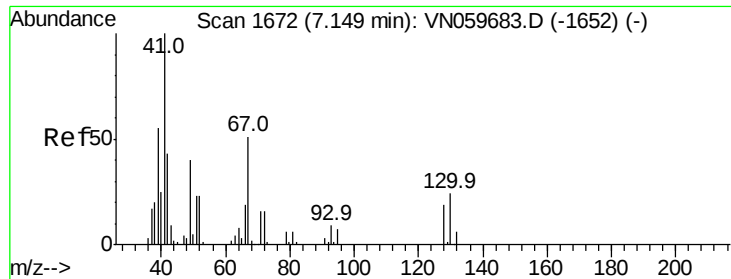
#40
Benzene
Concen: 120.034 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion	78	Resp	1513108
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

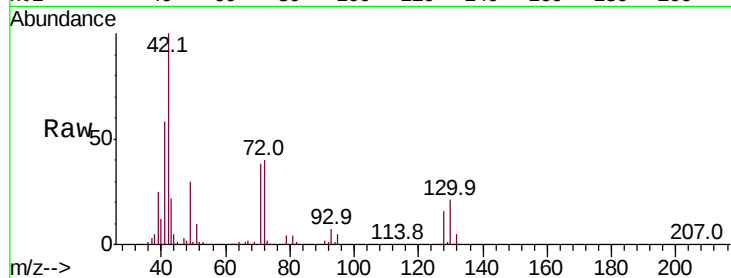




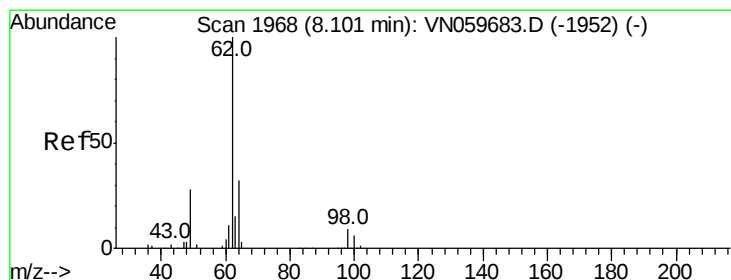
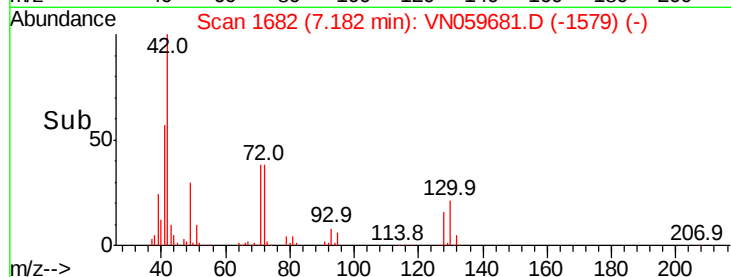
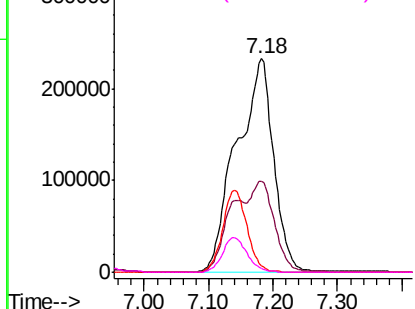
#41
Methacrylonitrile
Concen: 452.686 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	927612
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

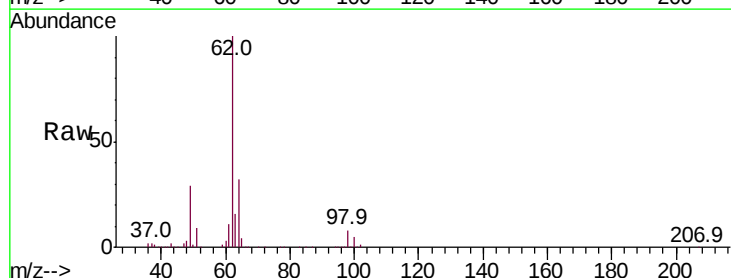


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

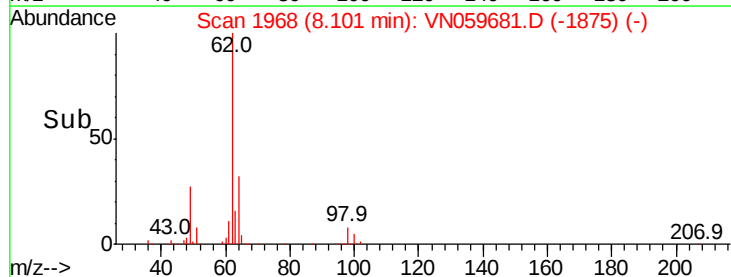
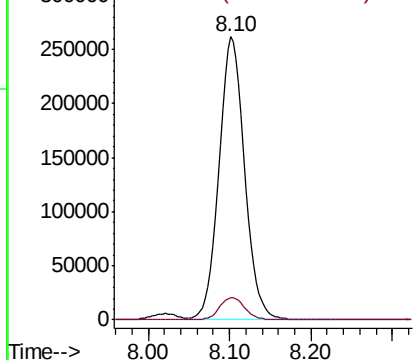


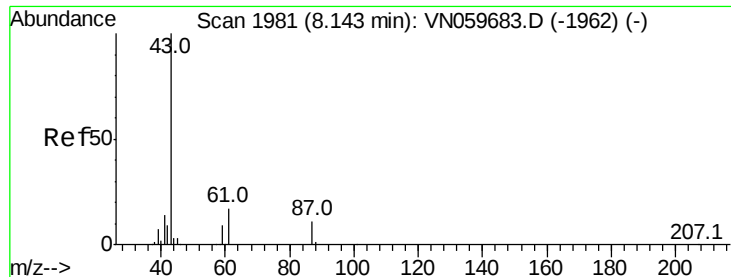
#42
1,2-Dichloroethane
Concen: 118.604 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion:	62	Resp:	581484
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 129.168 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

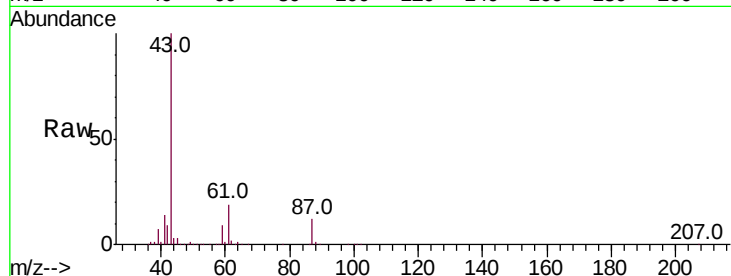
Tot Ion: 43 Resp: 1024466

Ion Ratio Lower Upper

43 100

61 24.7 20.6 30.8

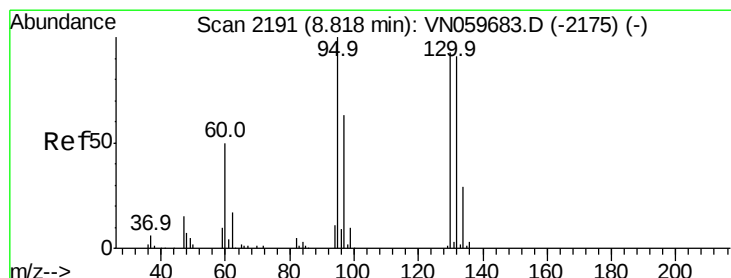
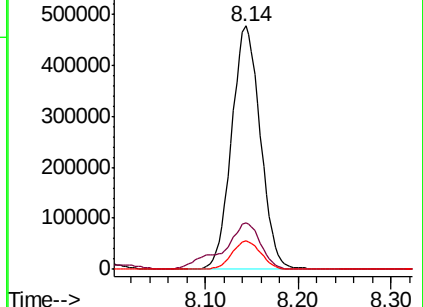
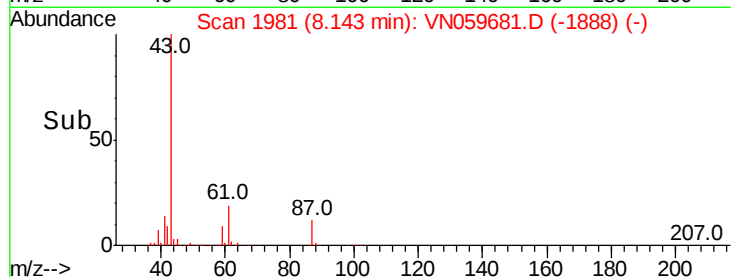
87 11.8 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN059681.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059681.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059681.D (-1962) (-)



#44

Trichloroethene

Concen: 114.800 ug/l

RT: 8.81 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VN059681.D

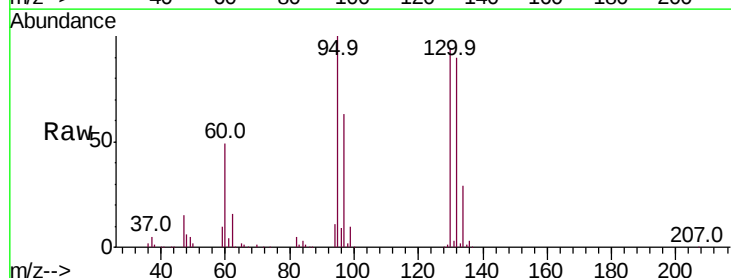
Acq: 20 Dec 2019 15:14

Tgt Ion:130 Resp: 376447

Ion Ratio Lower Upper

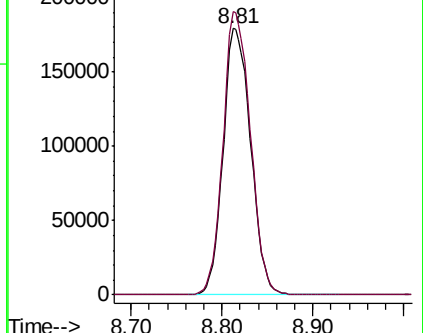
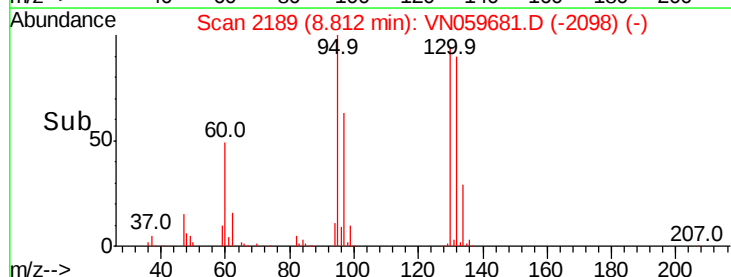
130 100

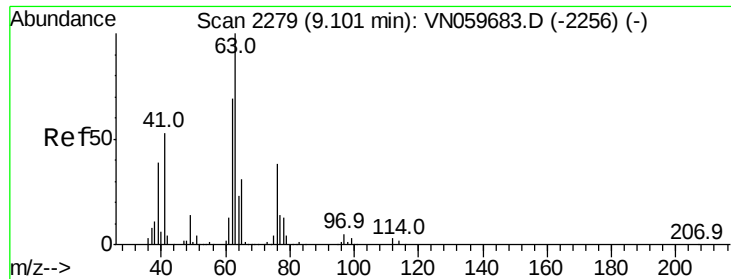
95 106.3 0.0 214.8



Abundance Ion 129.80 (129.50 to 130.50): VN059681.D (-2189) (-)

Ion 94.90 (94.60 to 95.60): VN059681.D (-2189) (-)





#45

1,2-Dichloropropane

Concen: 125.527 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

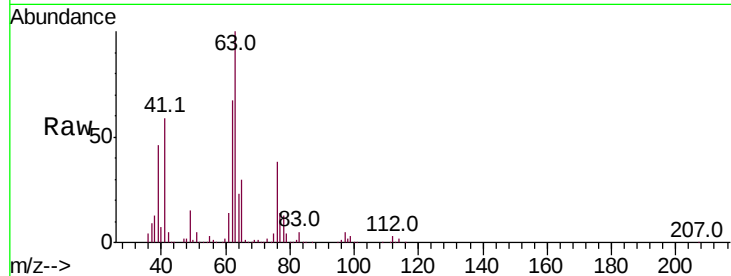
ClientSampleId :

Tot Ion: 63 Resp: 443160

Ion Ratio Lower Upper

63 100

65 30.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN059681.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059681.D (-2186) (-)

9.10

250000

200000

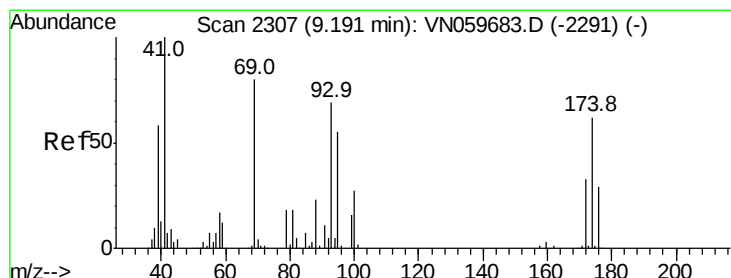
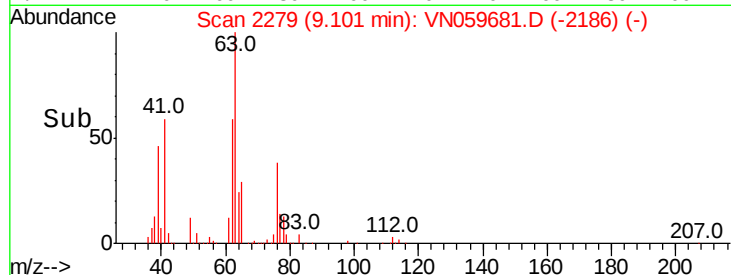
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 125.248 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

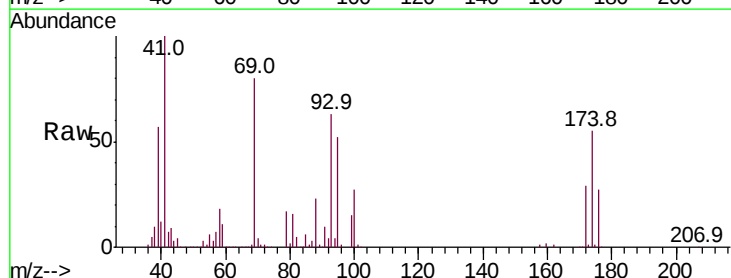
Tgt Ion: 93 Resp: 282524

Ion Ratio Lower Upper

93 100

95 82.1 65.2 97.8

174 90.0 73.1 109.7



Abundance Ion 92.80 (92.50 to 93.50): VN059681.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN059681.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN059681.D (-2214) (-)

9.19

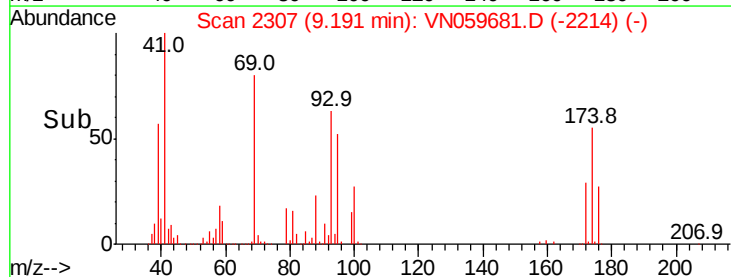
150000

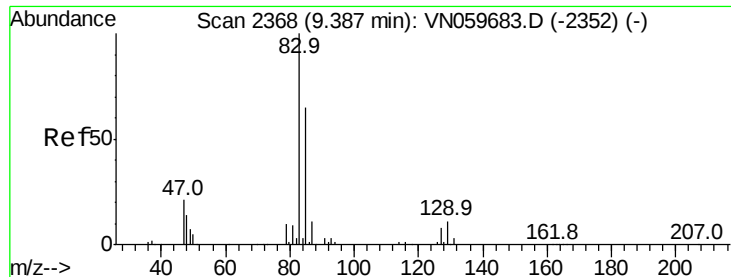
100000

50000

0

Time-->

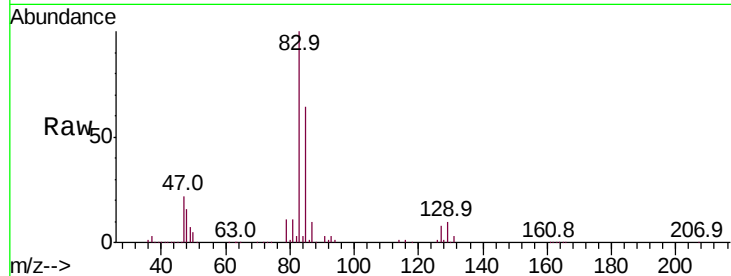




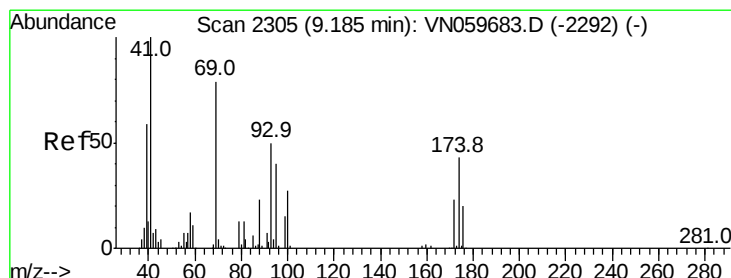
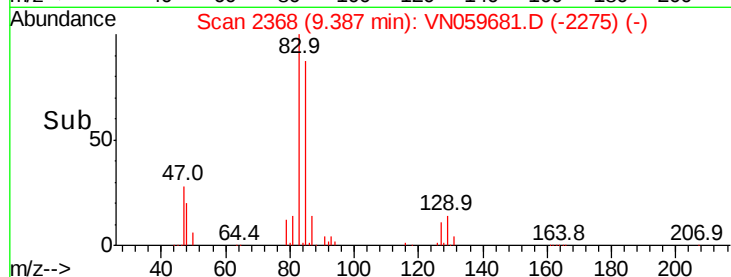
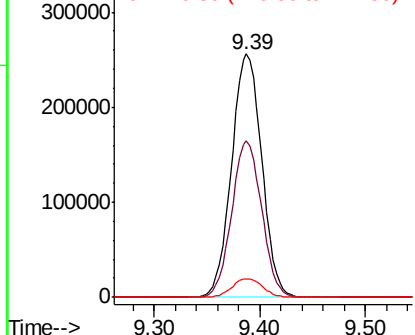
#47
Bromodichloromethane
Concen: 112.866 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 508530
Ion Ratio Lower Upper
83 100
85 64.4 52.1 78.1
127 7.8 6.7 10.1

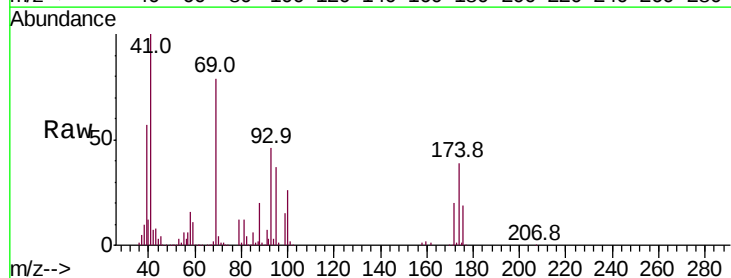


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

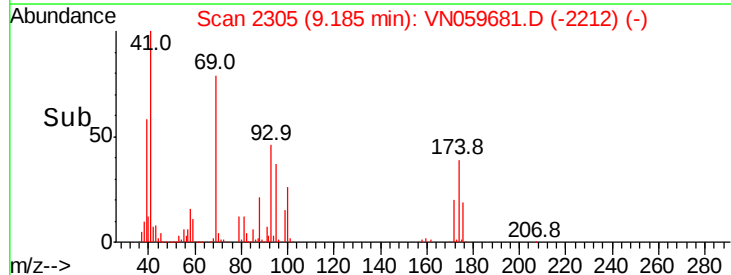
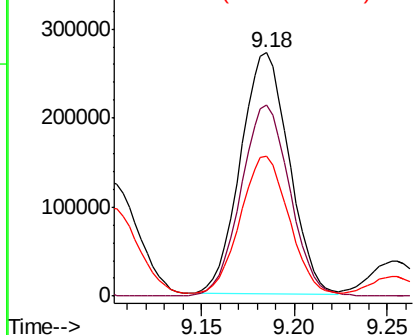


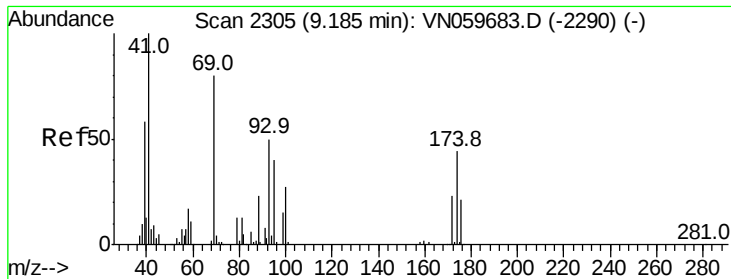
#48
Methyl methacrylate
Concen: 137.852 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 41 Resp: 493332
Ion Ratio Lower Upper
41 100
69 80.0 63.0 94.6
39 59.0 48.0 72.0



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

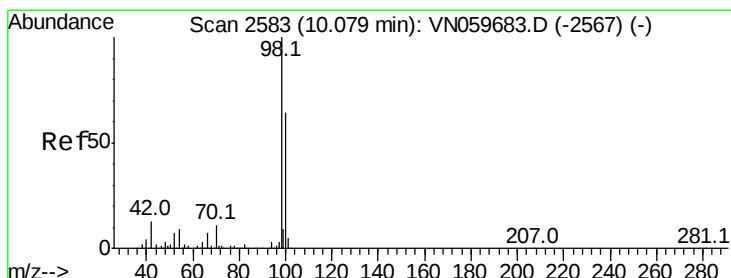
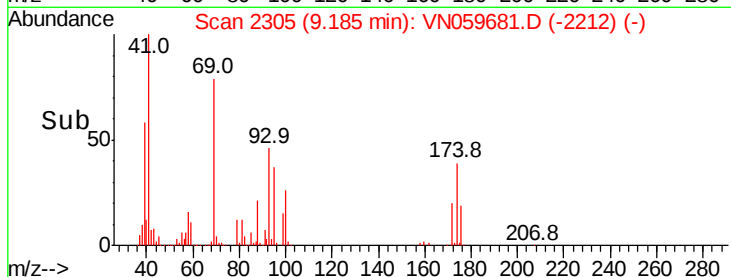
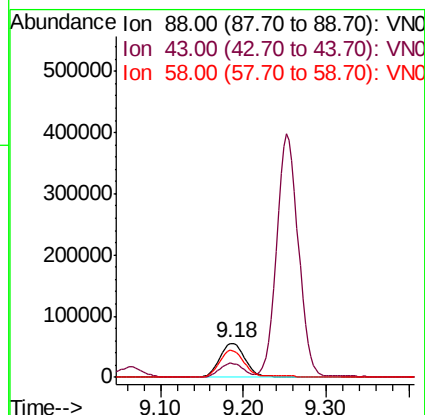
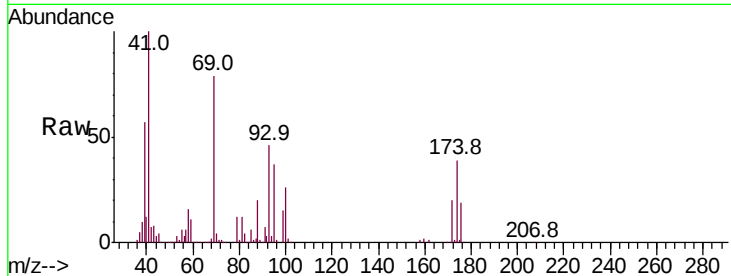




#49
1,4-Dioxane
Concen: 2427.422 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

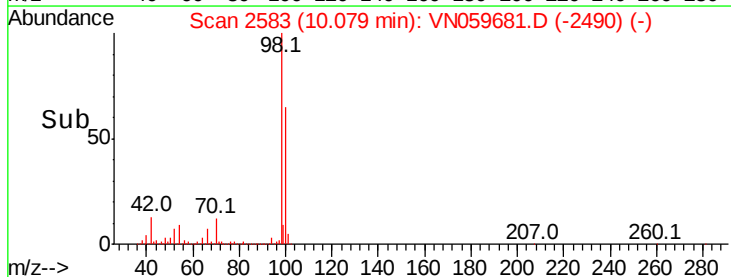
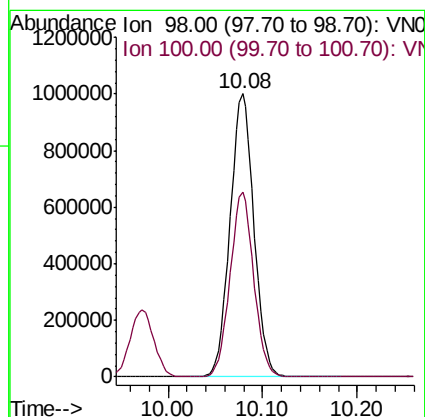
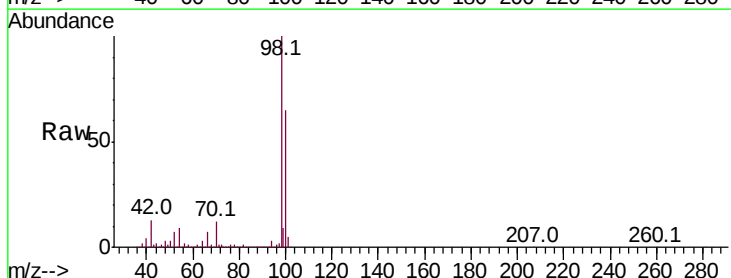
Instrument :
MSVOA_X
ClientSampleId :

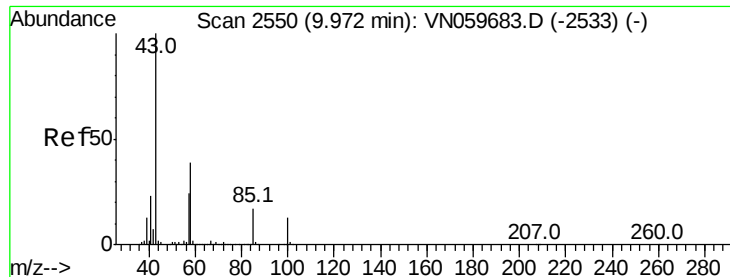
Tot Ion: 88 Resp: 121123
Ion Ratio Lower Upper
88 100
43 37.9 30.2 45.4
58 75.0 60.1 90.1



#50
Toluene-d8
Concen: 172.311 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 98 Resp: 1750097
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6

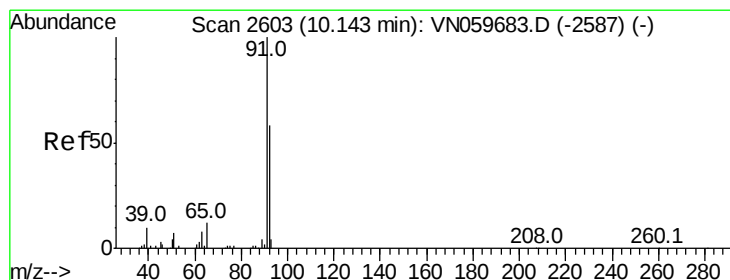
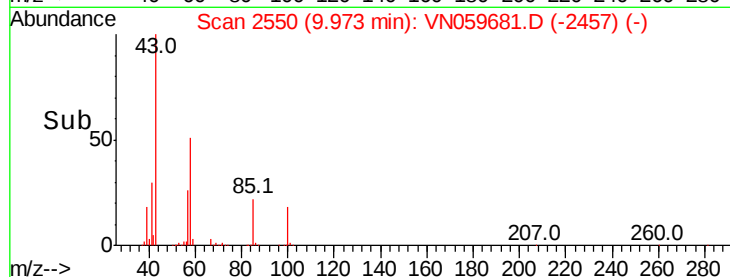
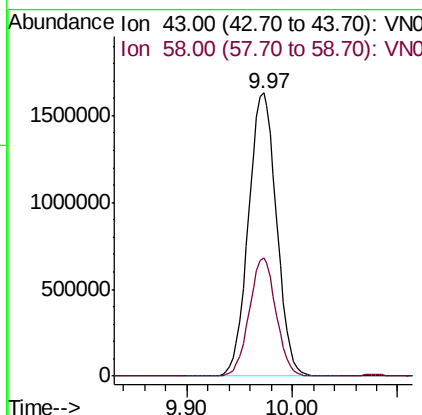
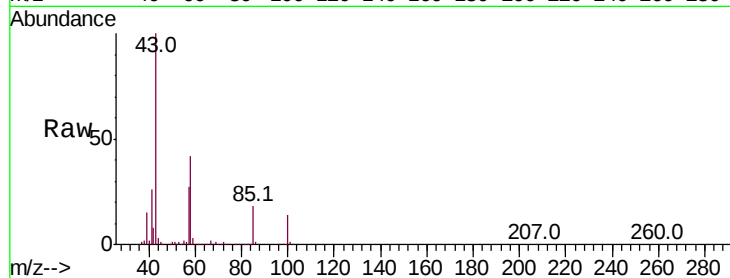




#51
4-Methyl-2-Pentanone
Concen: 642.207 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

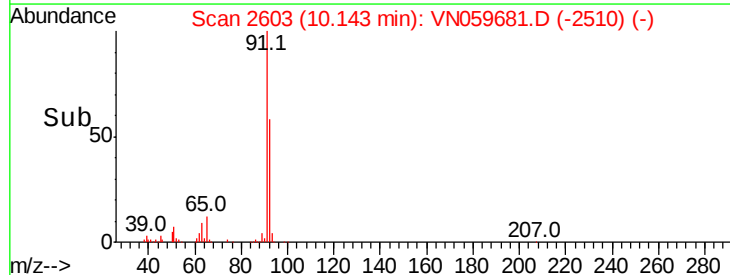
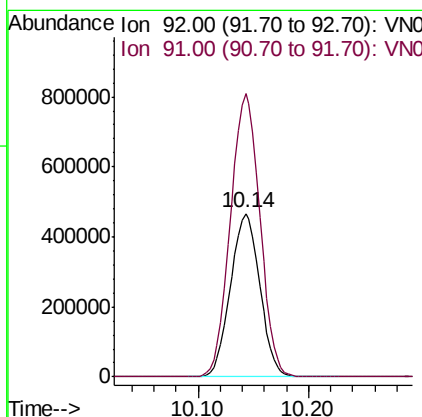
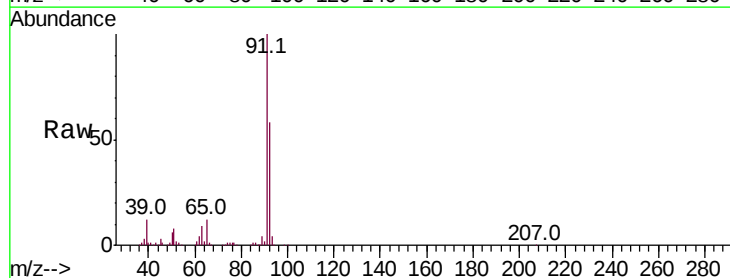
Instrument :
MSVOA_X
ClientSampleId :

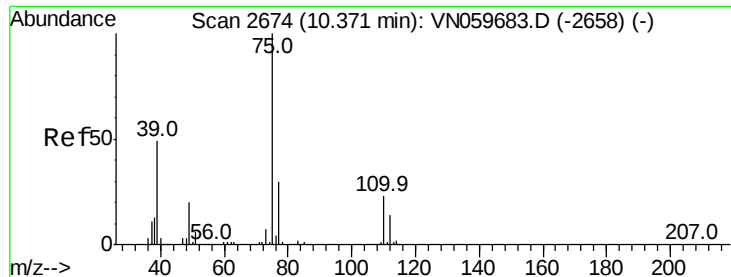
Tot Ion: 43 Resp: 3022590
Ion Ratio Lower Upper
43 100
58 39.9 30.1 45.1



#52
Toluene
Concen: 108.077 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 92 Resp: 860673
Ion Ratio Lower Upper
92 100
91 174.6 138.6 207.8





#53

t-1,3-Dichloropropene

Concen: 116.685 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

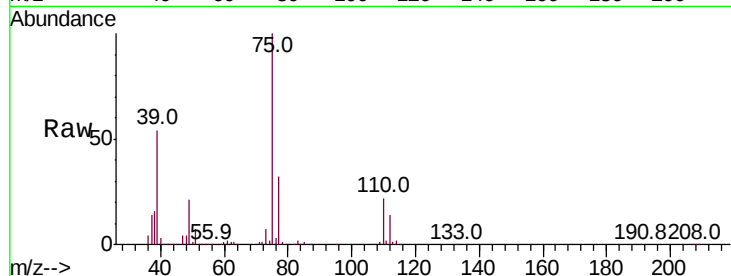
ClientSampleId :

Tot Ion: 75 Resp: 609177

Ion Ratio Lower Upper

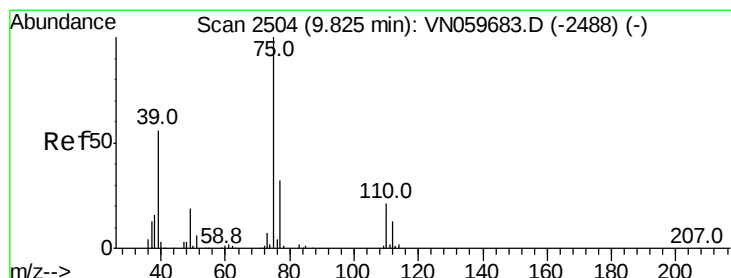
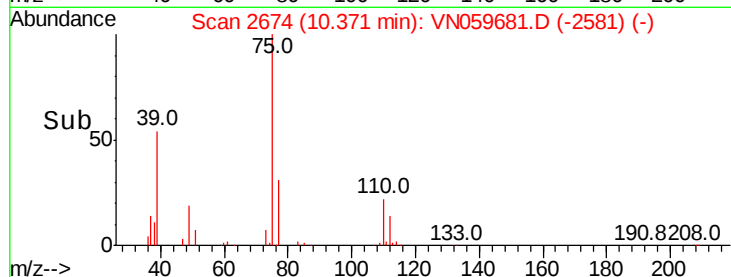
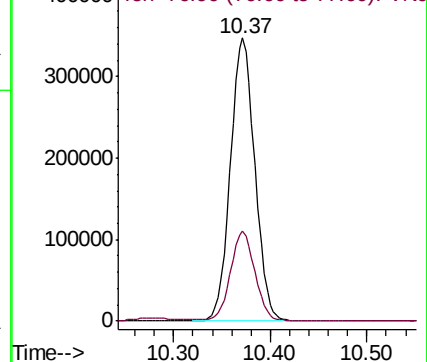
75 100

77 31.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 127.341 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

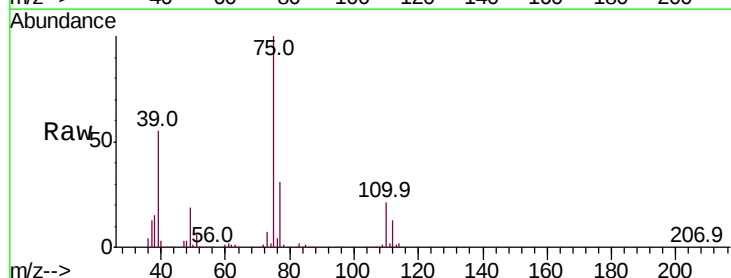
Tgt Ion: 75 Resp: 692033

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

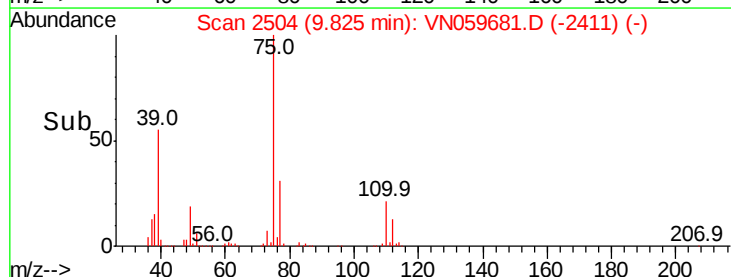
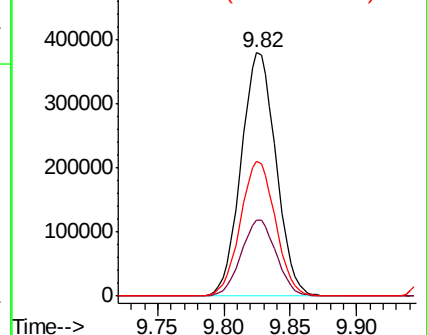
39 55.4 44.6 66.8

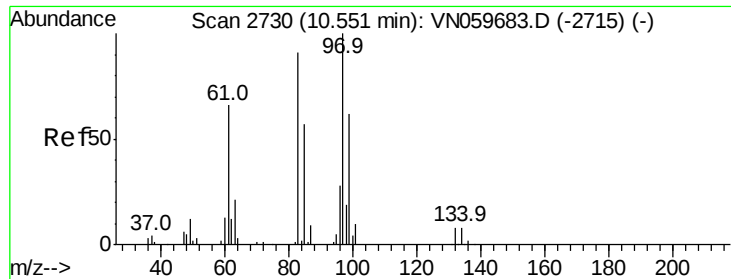


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

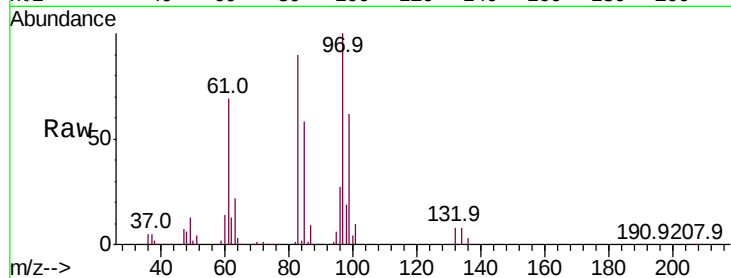




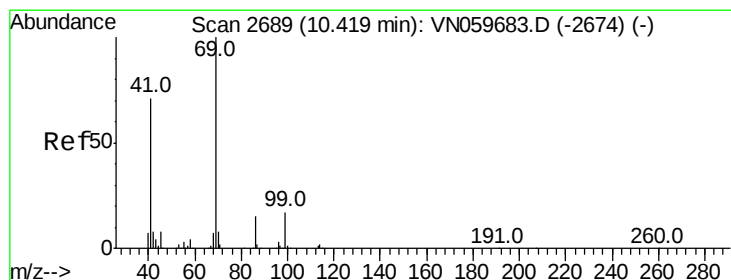
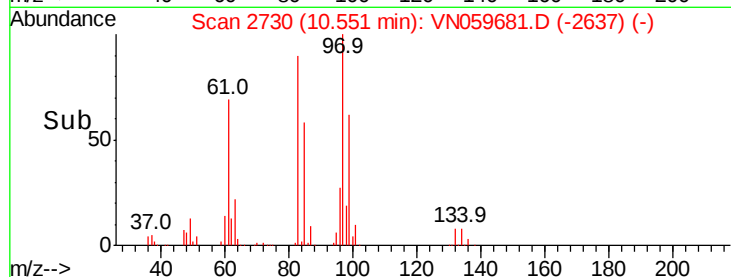
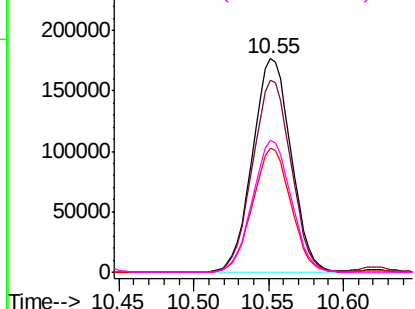
#55
 1,1,2-Trichloroethane
 Concen: 102.998 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	317919
Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.6	108.8
85	58.2	45.7	68.5
99	61.6	49.2	73.8

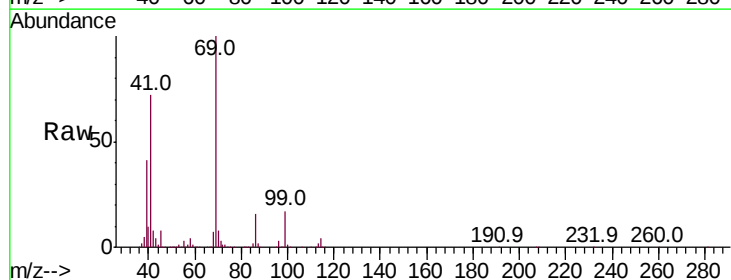


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

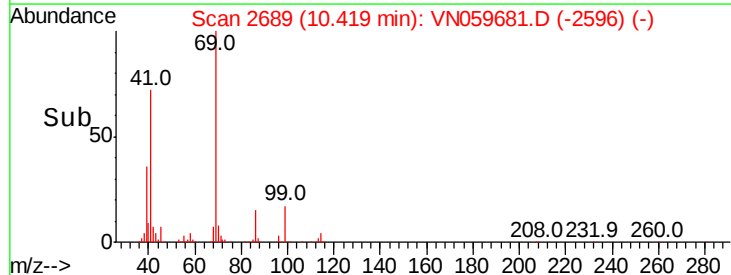
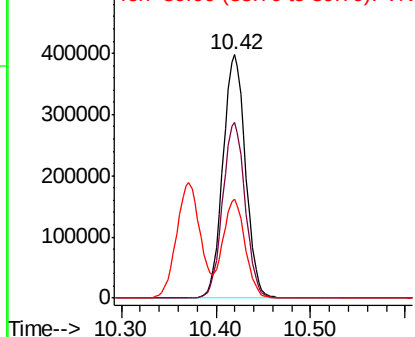


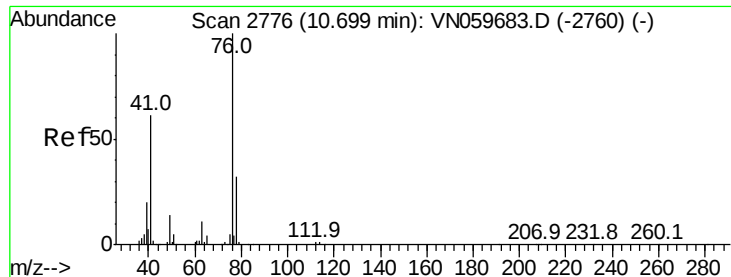
#56
 Ethyl methacrylate
 Concen: 145.112 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

Tgt Ion:	69	Resp:	659092
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.7	85.1
39	39.8	32.6	48.8



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





#57

1,3-Dichloropropane

Concen: 102.940 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

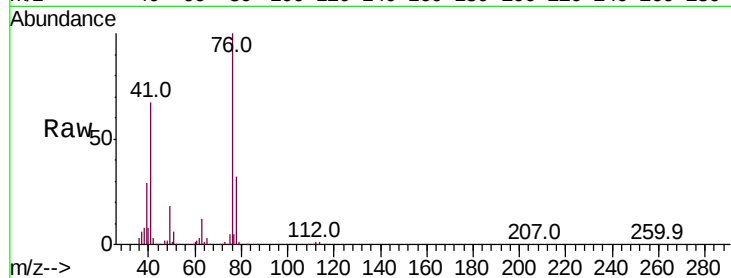
ClientSampleId :

Tot Ion: 76 Resp: 563281

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

300000

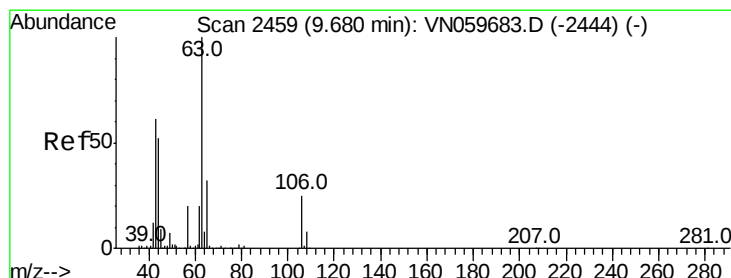
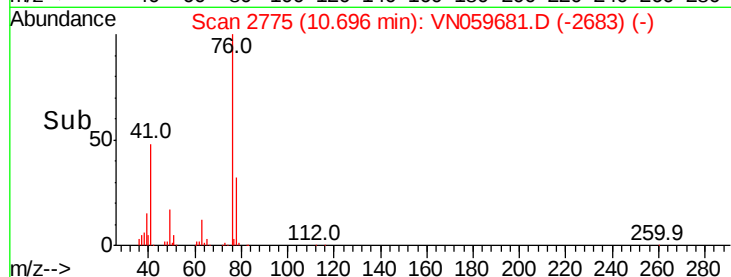
200000

100000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 682.208 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059681.D

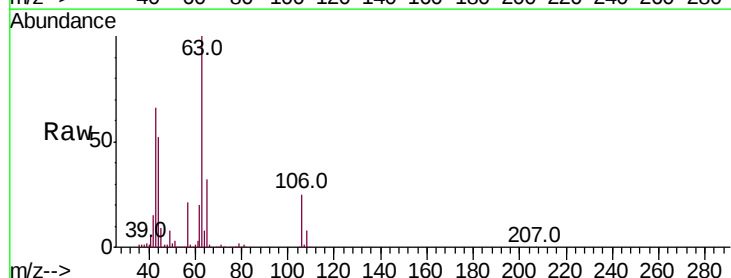
Acq: 20 Dec 2019 15:14

Tgt Ion: 63 Resp: 1016471

Ion Ratio Lower Upper

63 100

106 24.4 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

600000

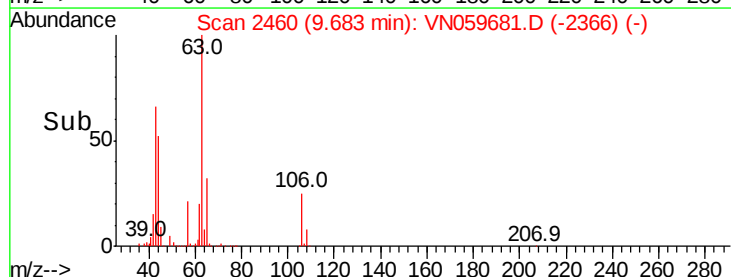
400000

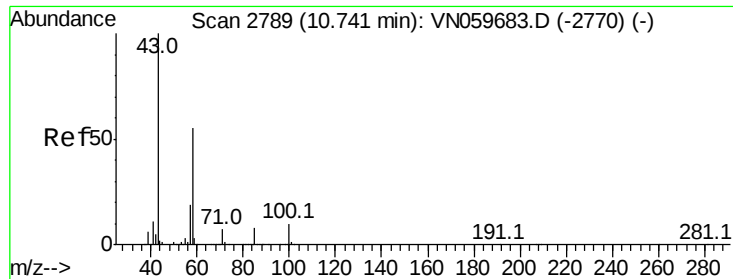
200000

0

Time-->

9.60 9.65 9.70 9.75

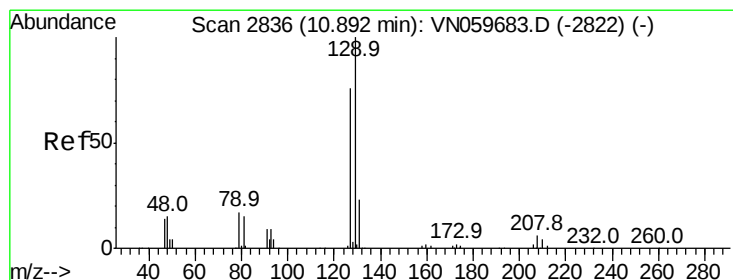
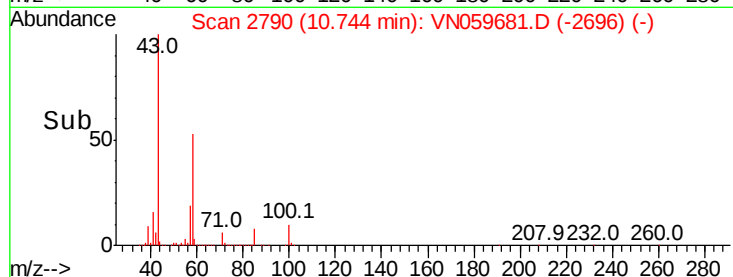
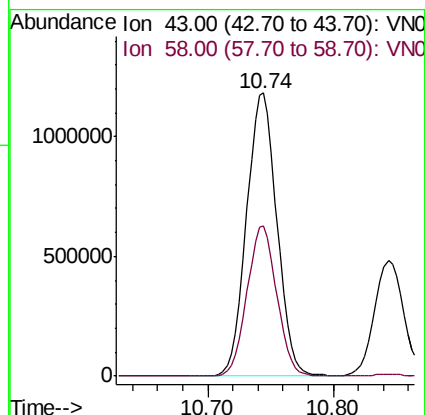
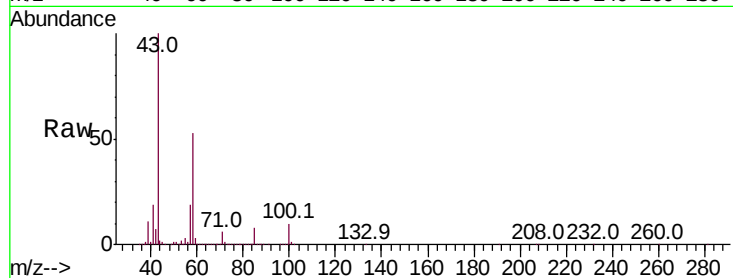




#59
2-Hexanone
Concen: 536.158 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

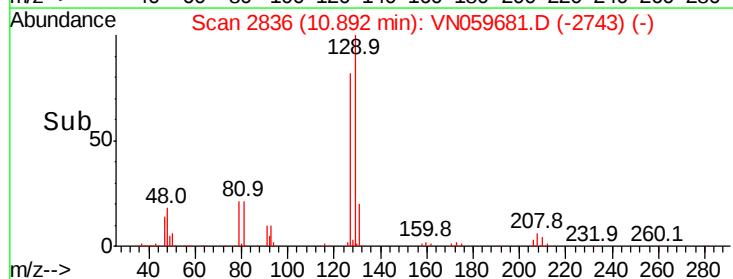
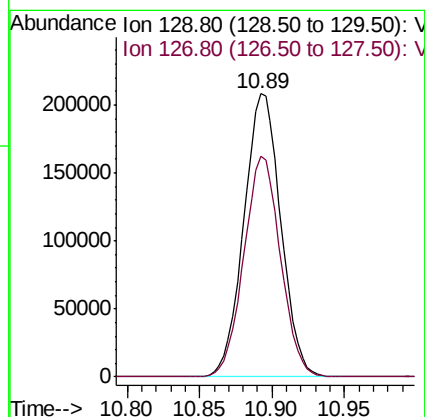
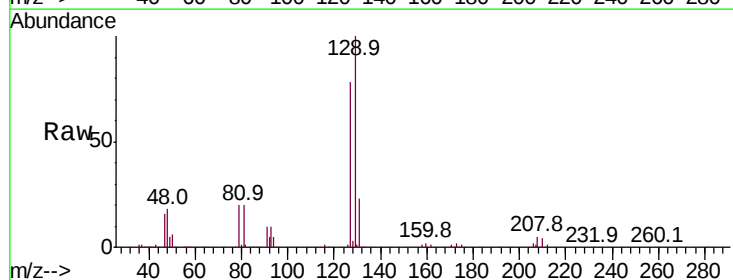
Instrument :
MSVOA_X
ClientSampled :

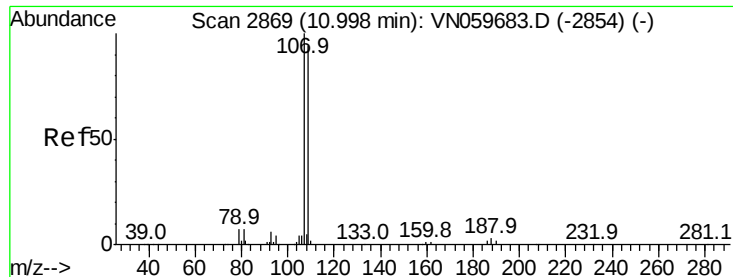
Tot Ion: 43 Resp: 1991074
Ion Ratio Lower Upper
43 100
58 52.0 27.6 82.7



#60
Dibromochloromethane
Concen: 109.235 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 129 Resp: 369150
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2

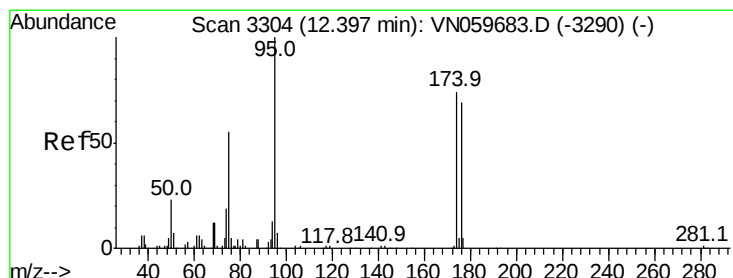
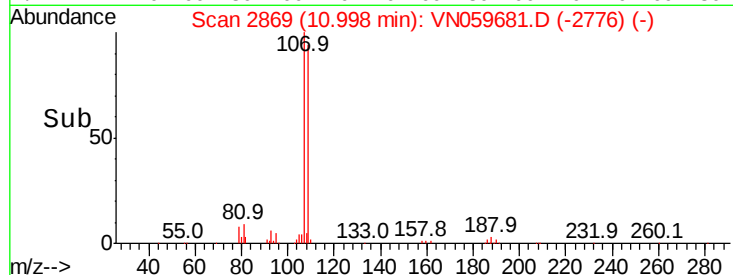
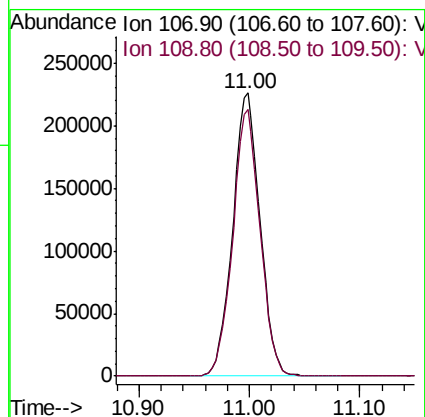
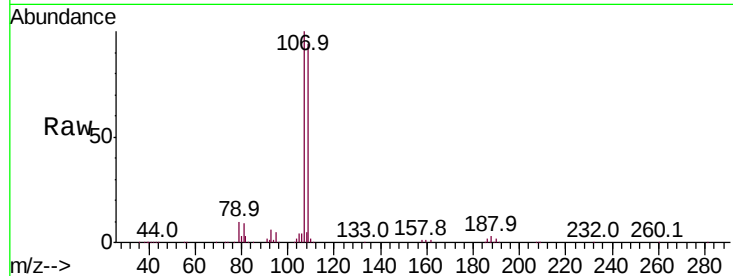




#61
 1,2-Dibromoethane
 Concen: 116.905 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

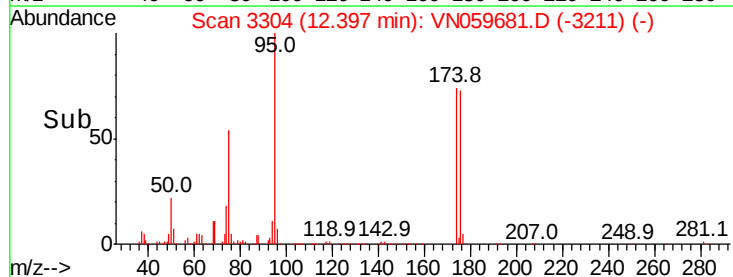
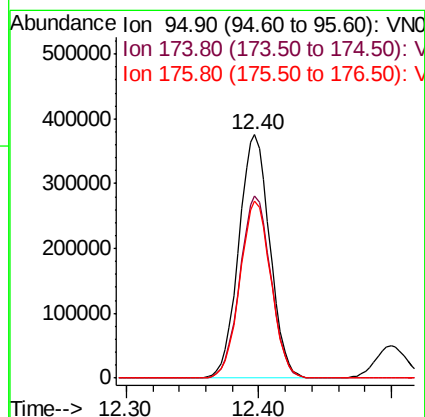
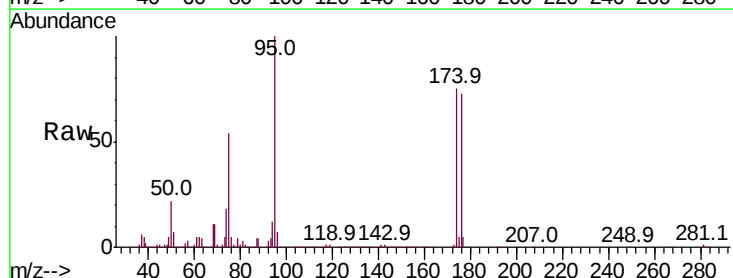
Instrument :
 MSVOA_X
 ClientSampled :

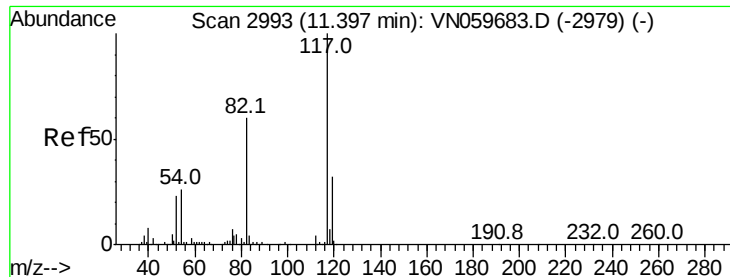
Tot Ion:107 Resp: 387783
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 171.198 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

Tgt Ion: 95 Resp: 609930
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 150.2
 176 72.6 0.0 144.0

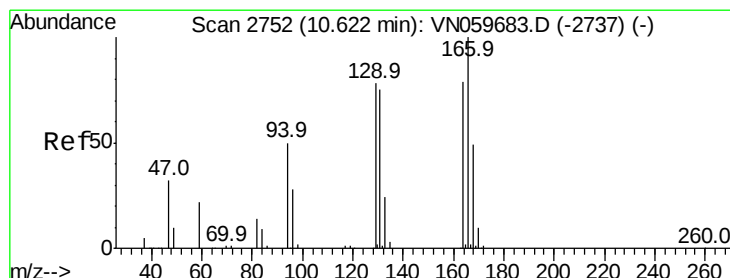
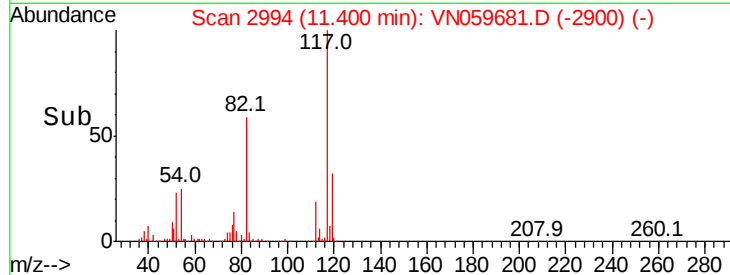
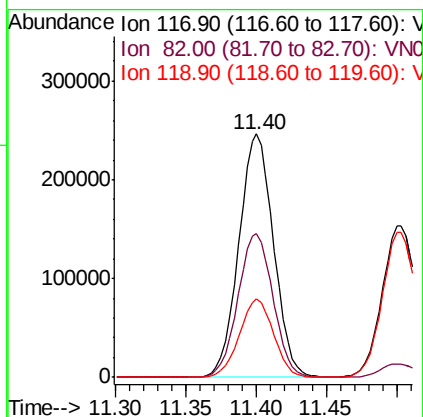
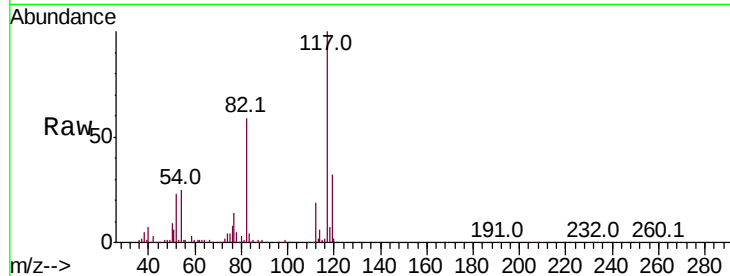




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

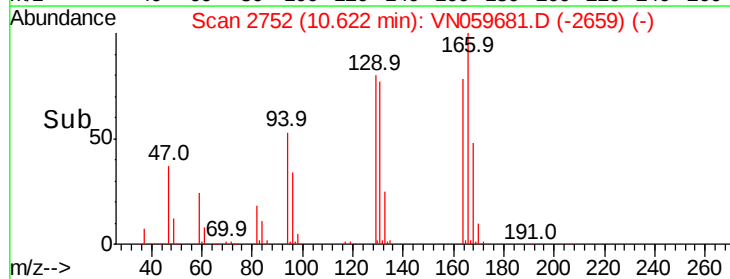
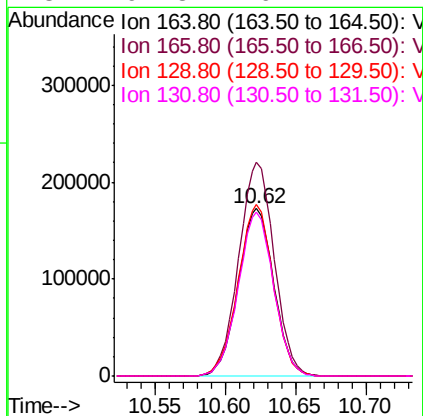
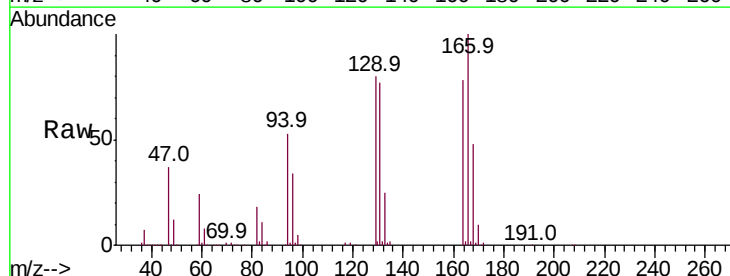
Instrument :
MSVOA_X
ClientSampleId :

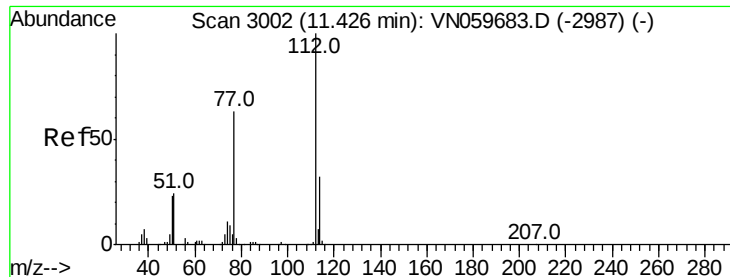
Tot Ion:117 Resp: 424387
Ion Ratio Lower Upper
117 100
82 59.1 48.2 72.2
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 78.626 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion:164 Resp: 305028
Ion Ratio Lower Upper
164 100
166 127.6 101.4 152.0
129 102.4 79.2 118.8
131 97.8 76.2 114.2

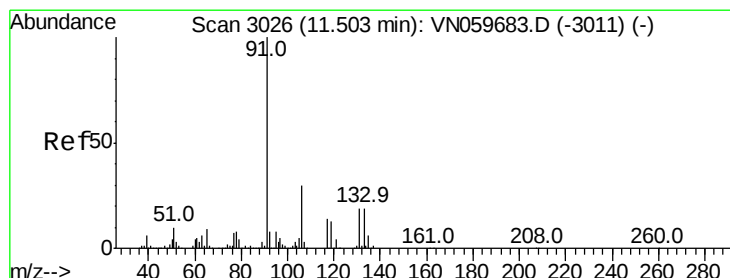
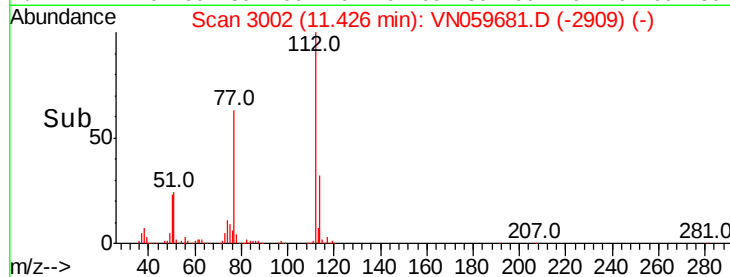
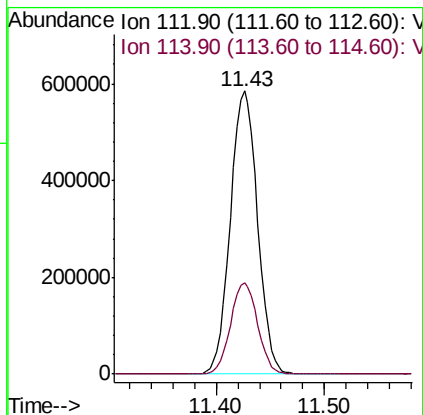
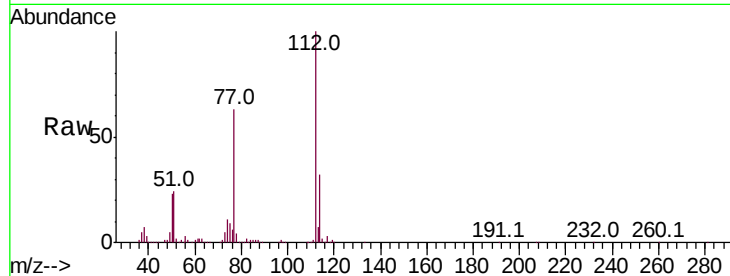




#65
Chlorobenzene
Concen: 113.065 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

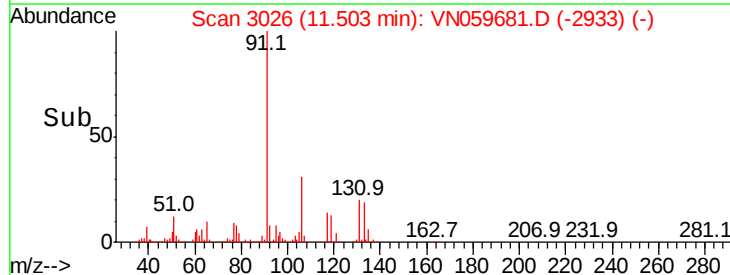
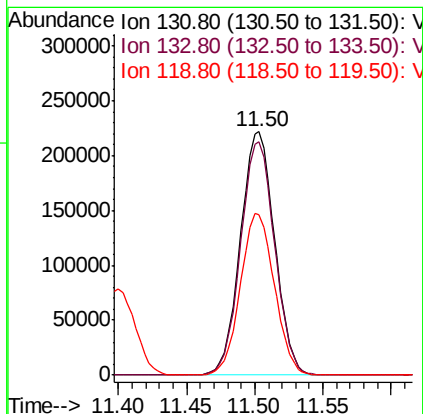
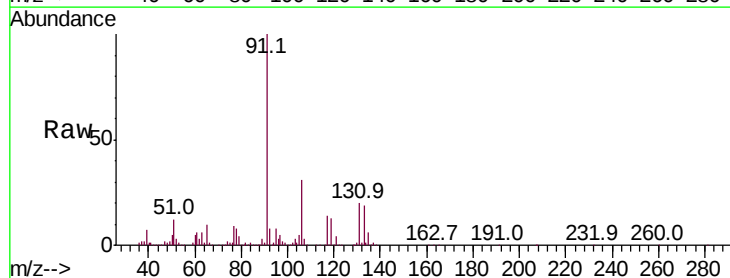
Instrument :
MSVOA_X
ClientSampleId :

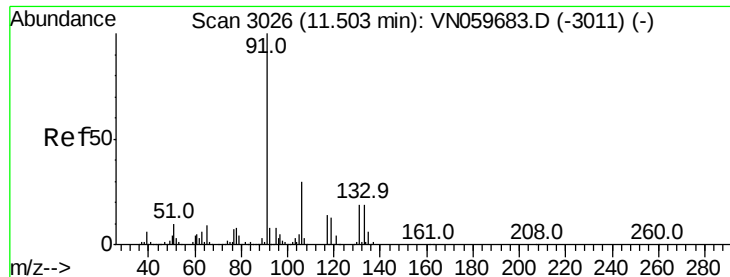
Tot Ion:112 Resp: 1022517
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 109.372 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion:131 Resp: 385305
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 66.2 33.5 100.4





#67

Ethyl Benzene

Concen: 111.548 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

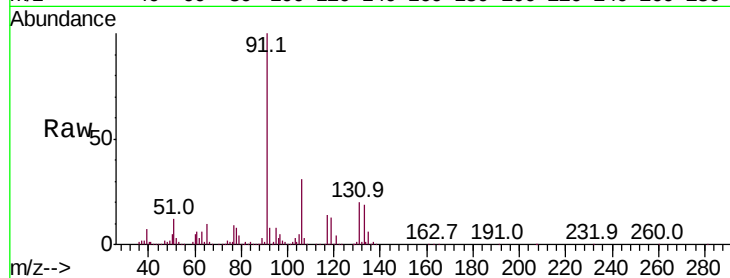
ClientSampled :

Tot Ion: 91 Resp: 1878979

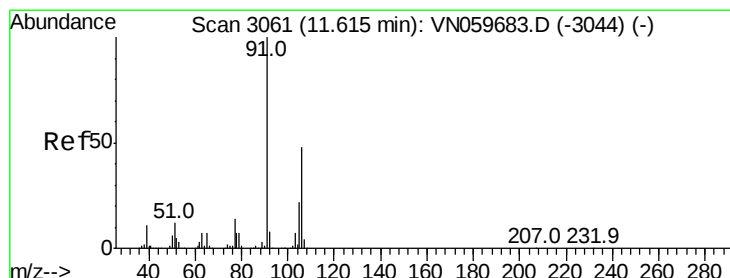
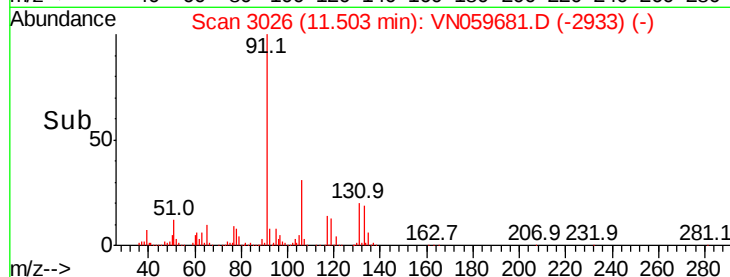
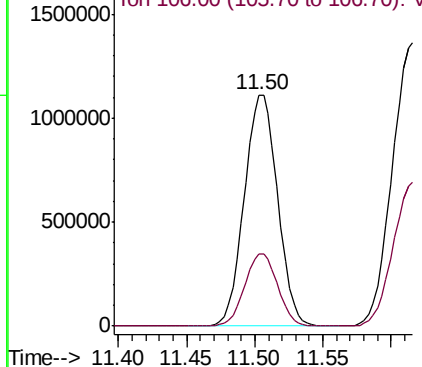
Ion Ratio Lower Upper

91 100

106 31.4 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VN059681.D (-2933) (-)



#68

m/p-Xylenes

Concen: 221.866 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059681.D

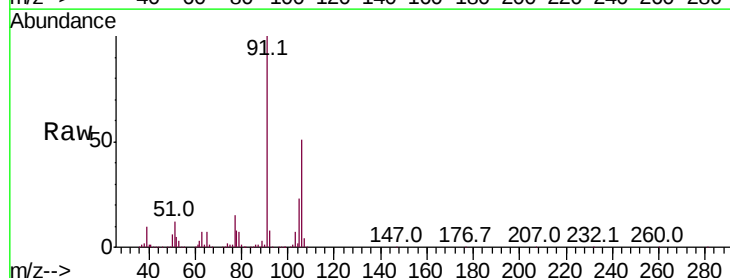
Acq: 20 Dec 2019 15:14

Tgt Ion:106 Resp: 1312522

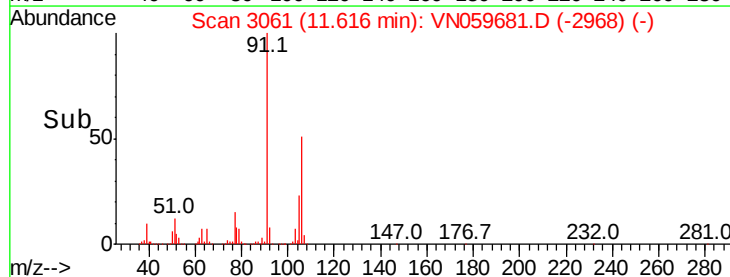
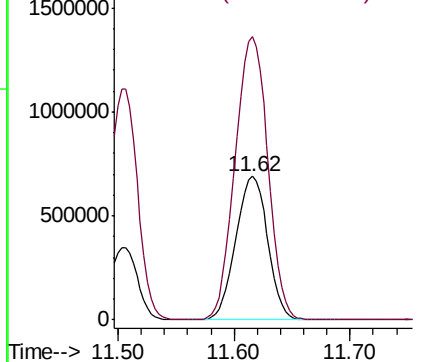
Ion Ratio Lower Upper

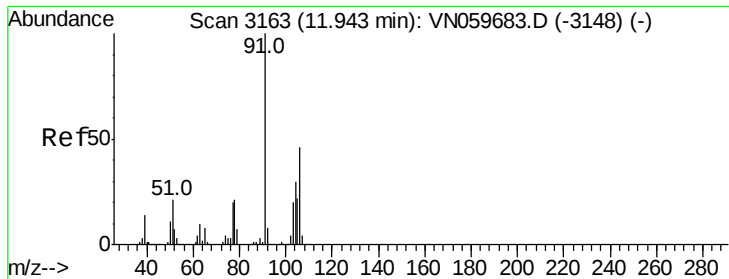
106 100

91 202.8 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059681.D (-2968) (-)

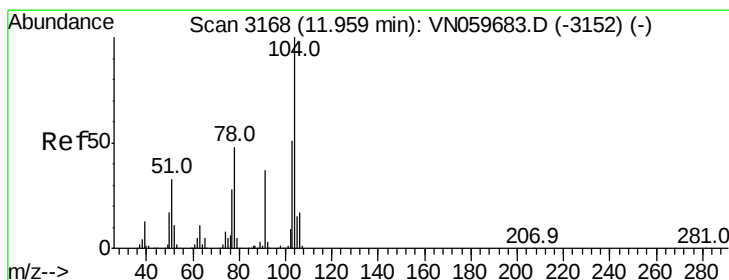
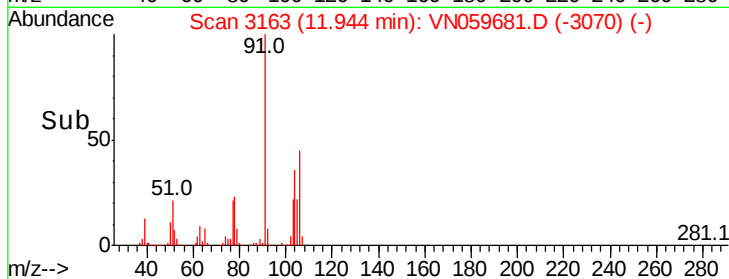
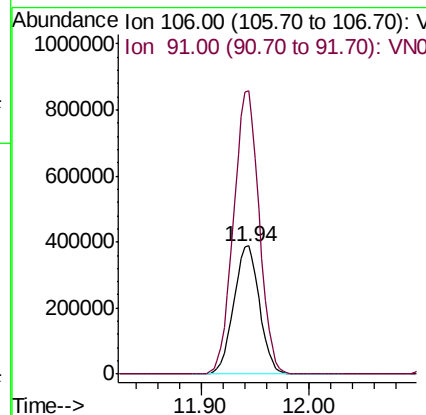
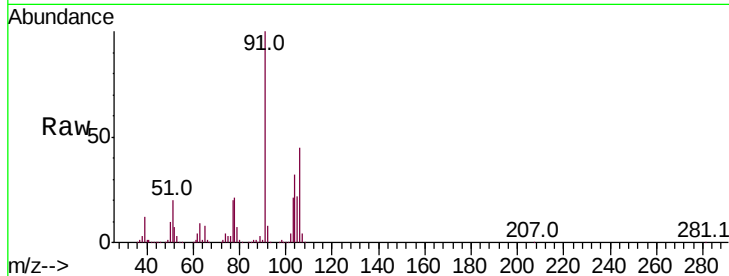




#69
o-Xylene
Concen: 116.498 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

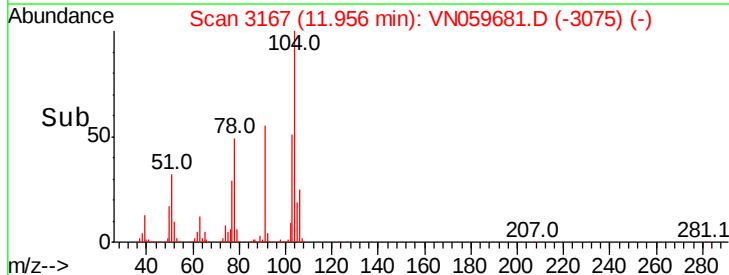
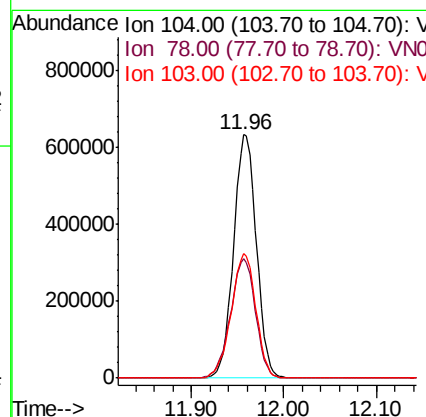
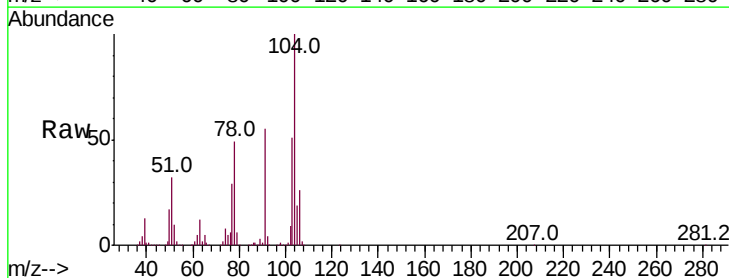
Instrument :
MSVOA_X
ClientSampleId :

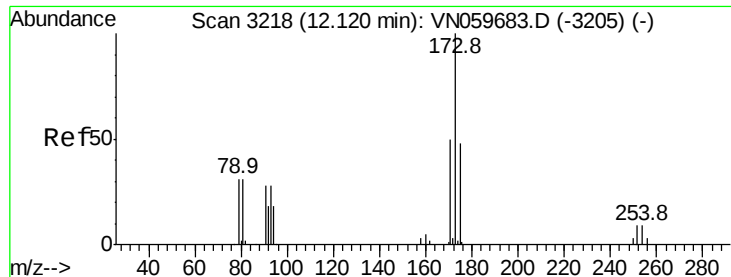
Tot Ion:106 Resp: 645200
Ion Ratio Lower Upper
106 100
91 220.3 110.3 330.9



#70
Styrene
Concen: 121.910 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion:104 Resp: 1080708
Ion Ratio Lower Upper
104 100
78 53.7 43.7 65.5
103 55.3 45.6 68.4

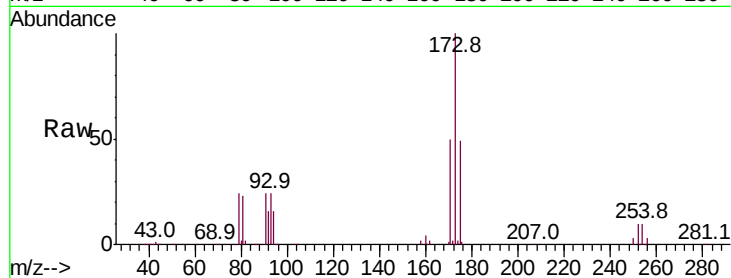




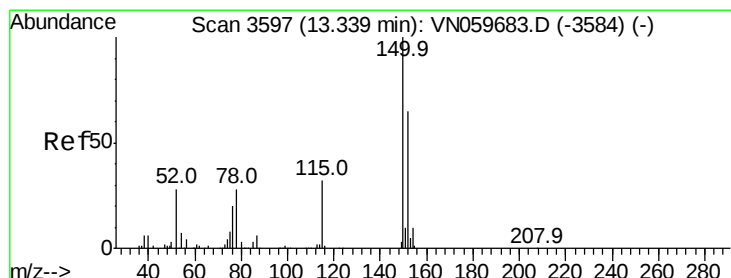
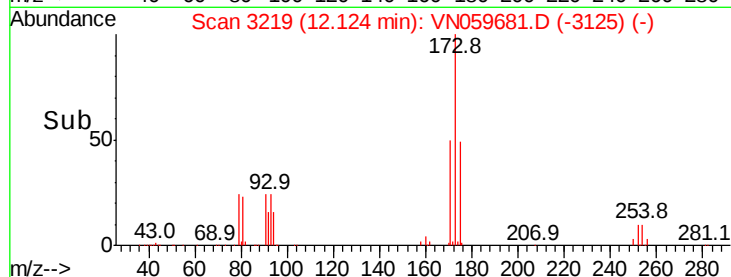
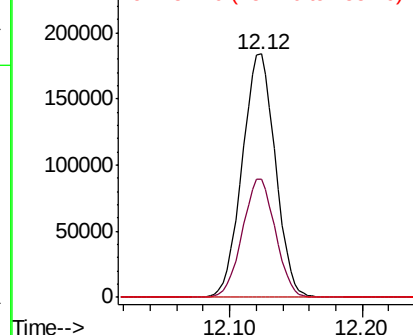
#71
Bromoform
Concen: 128.932 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 319440
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.9
254 0.1 0.0 0.0#

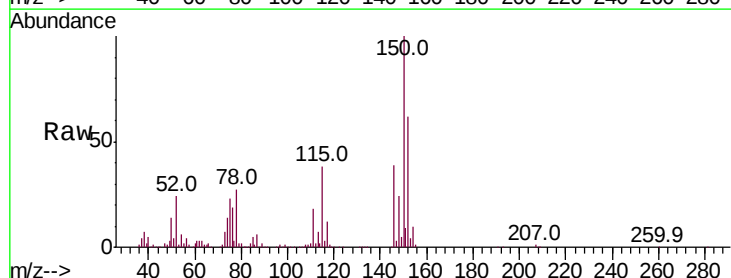


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

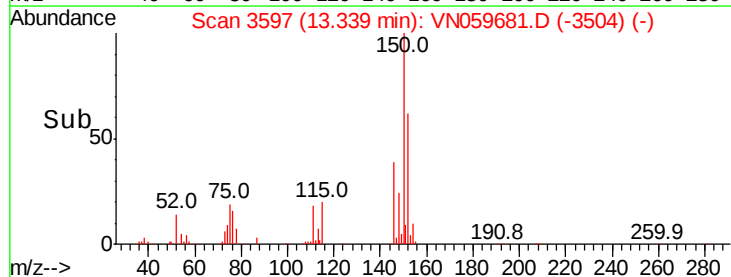
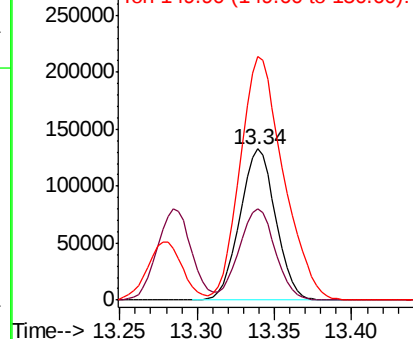


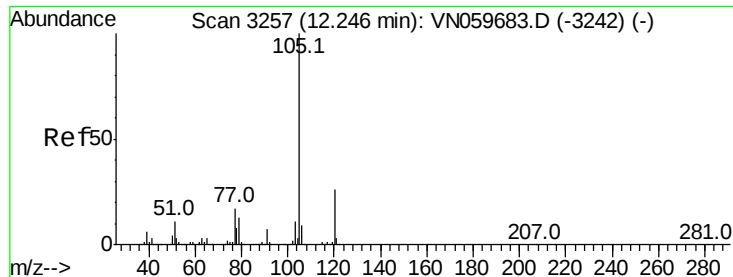
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion:152 Resp: 212675
Ion Ratio Lower Upper
152 100
115 61.4 31.6 94.7
150 195.0 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: 99.714 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

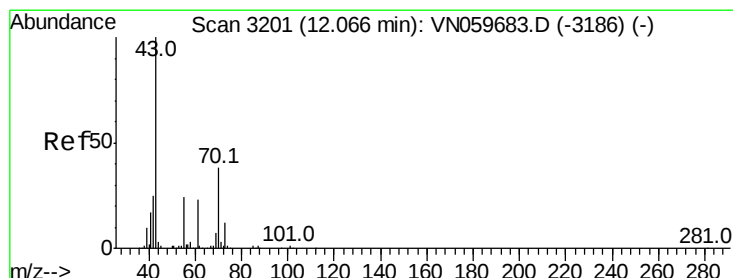
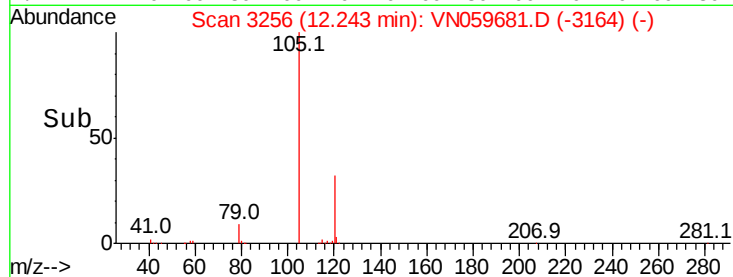
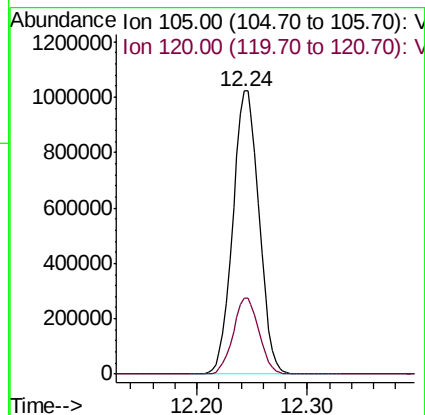
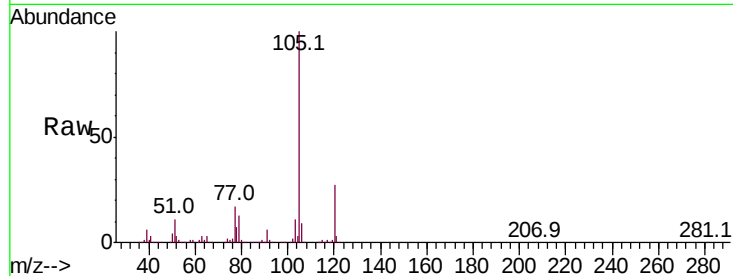
ClientSampled :

Tot Ion:105 Resp: 1684587

Ion Ratio Lower Upper

105 100

120 26.4 13.0 39.0



#74

N-ethyl acetate

Concen: 104.085 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Tgt Ion: 43 Resp: 802140

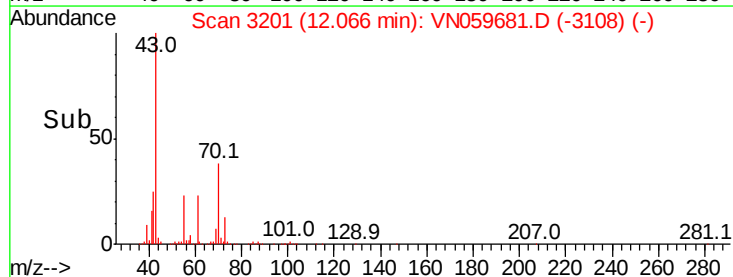
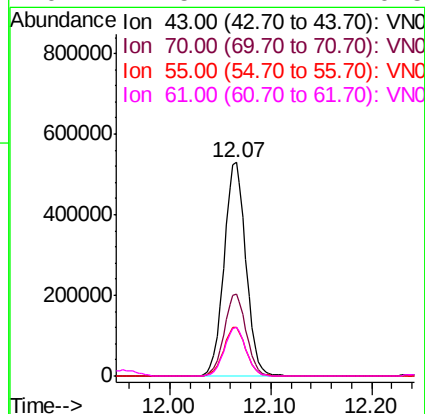
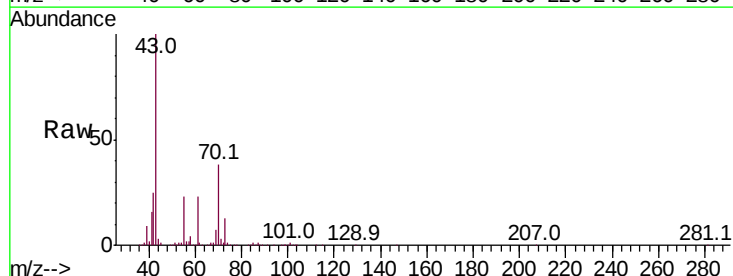
Ion Ratio Lower Upper

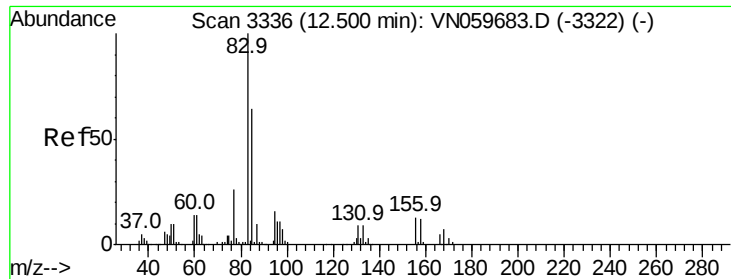
43 100

70 38.6 30.5 45.7

55 23.3 19.4 29.2

61 22.5 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 92.961 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

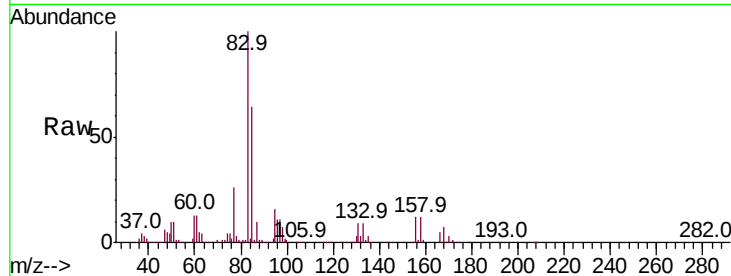
Tot Ion: 83 Resp: 502983

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.1
85	64.4	31.8	95.3

83 100

131 9.6 4.7 14.1

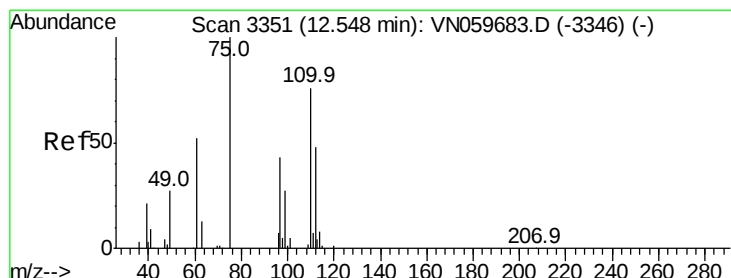
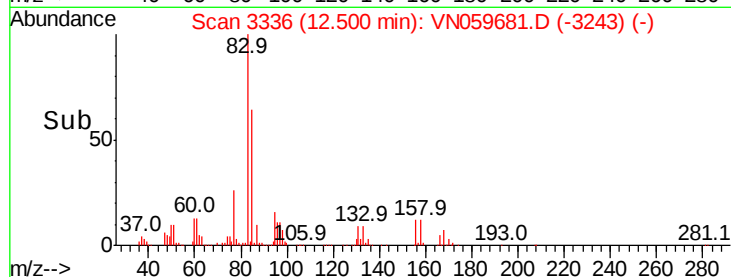
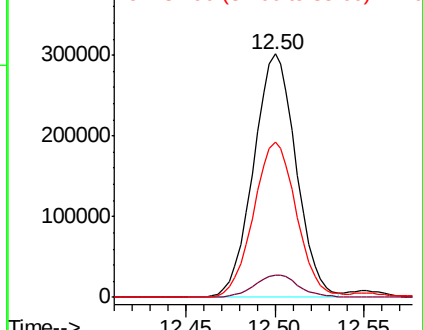
85 64.4 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VN059681.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059681.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059681.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 142.589 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059681.D

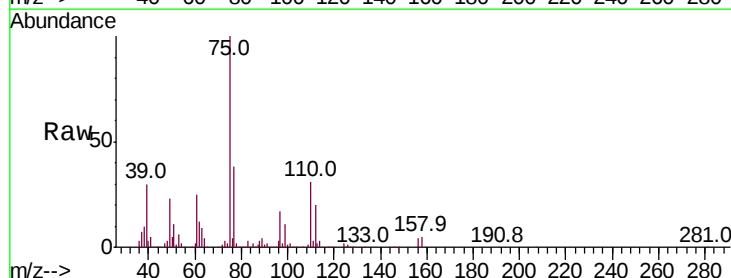
Acq: 20 Dec 2019 15:14

Tgt Ion: 75 Resp: 773878

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

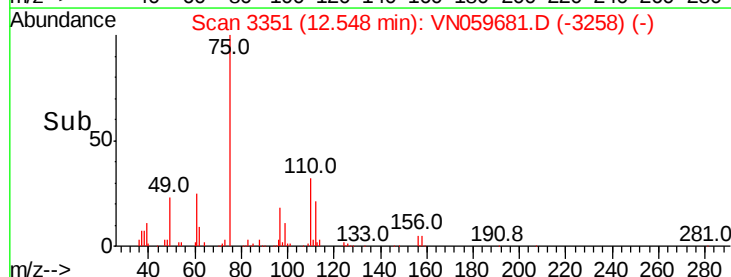
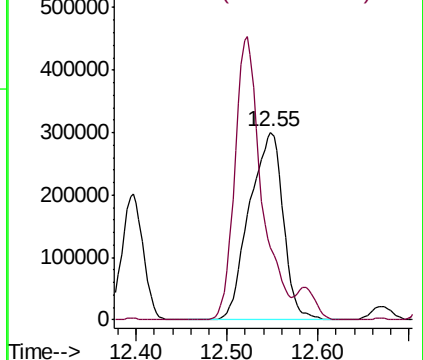
75 100

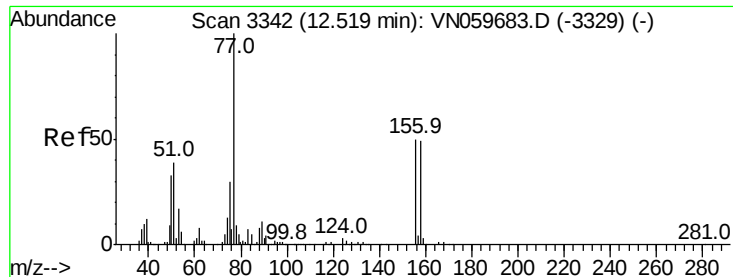
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059681.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059681.D (-3258) (-)





#77

Bromobenzene

Concen: 92.536 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

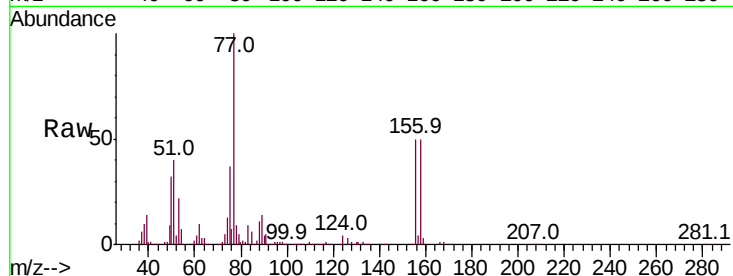
Tot Ion:156 Resp: 387888

Ion Ratio Lower Upper

156 100

77 239.0 120.8 362.5

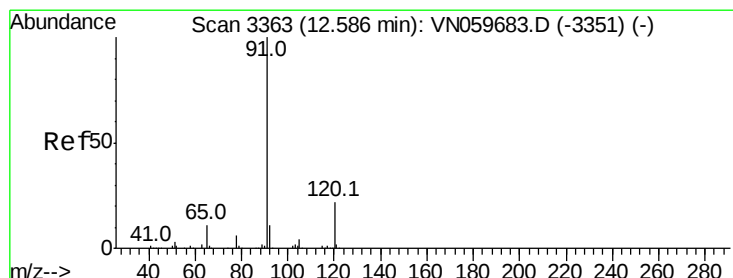
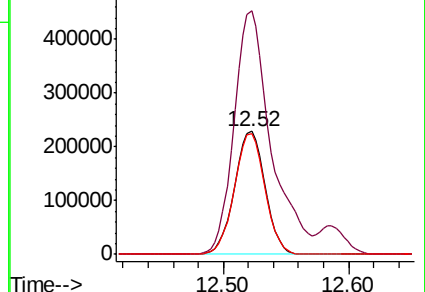
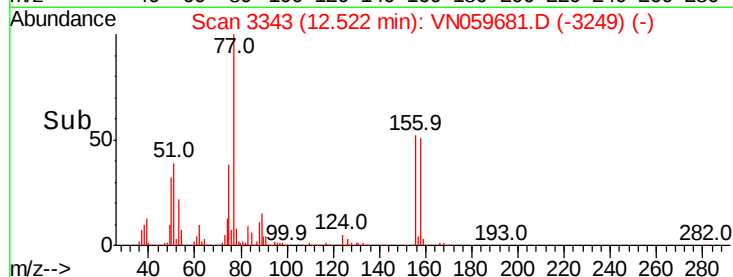
158 97.9 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 96.643 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059681.D

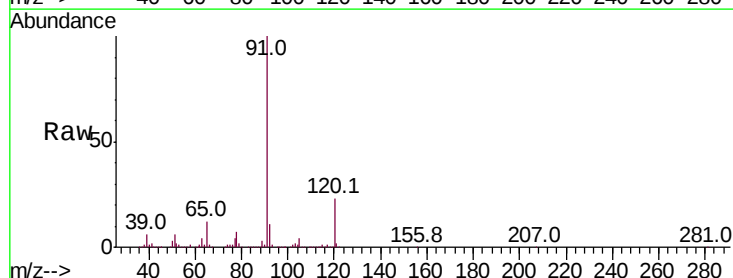
Acq: 20 Dec 2019 15:14

Tgt Ion: 91 Resp: 1949188

Ion Ratio Lower Upper

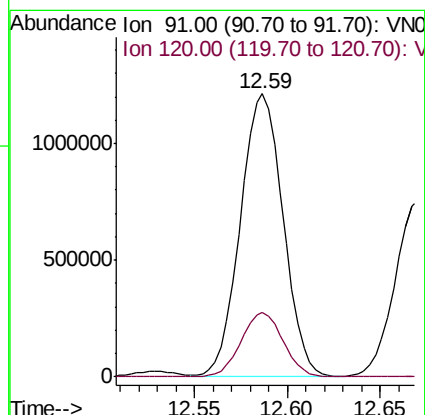
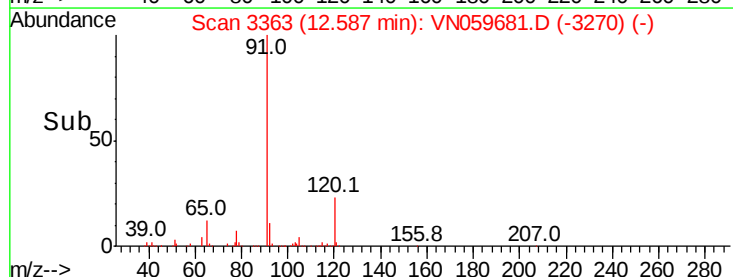
91 100

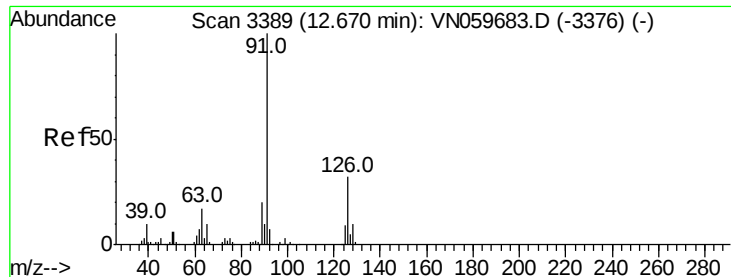
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 101.633 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

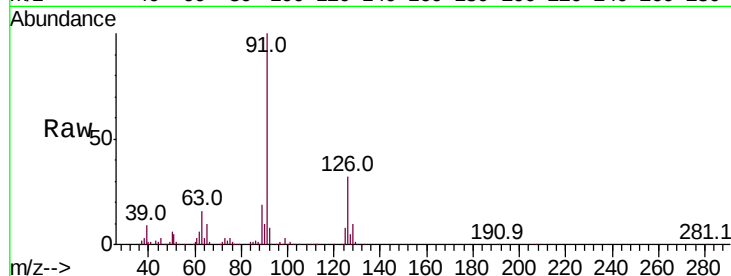
ClientSampleId :

Tot Ion: 91 Resp: 1238146

Ion Ratio Lower Upper

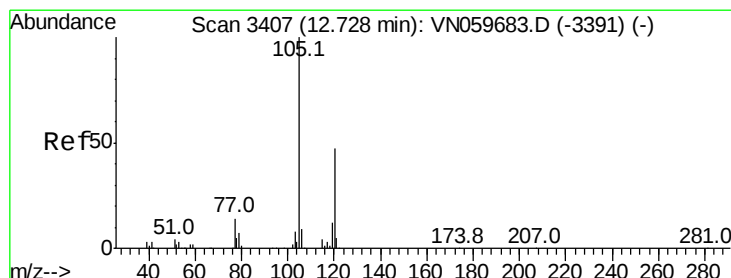
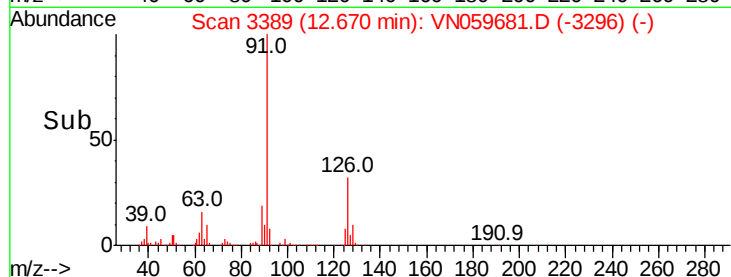
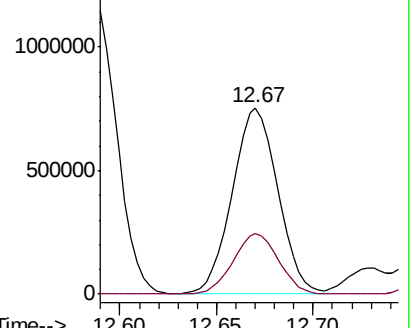
91 100

126 32.3 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN059681.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059681.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 105.148 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059681.D

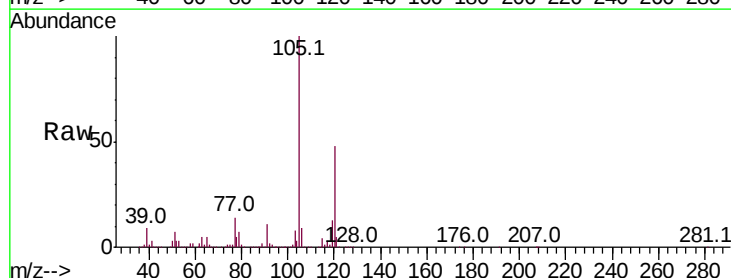
Acq: 20 Dec 2019 15:14

Tgt Ion:105 Resp: 1526548

Ion Ratio Lower Upper

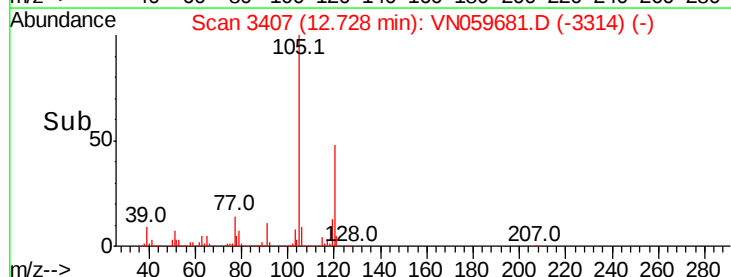
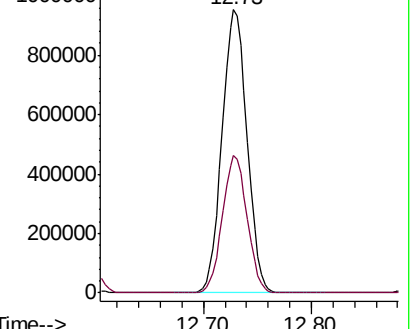
105 100

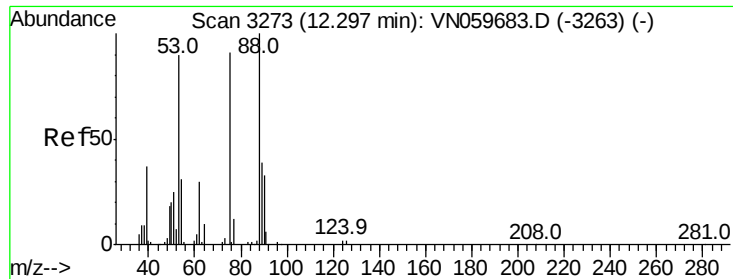
120 48.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN059681.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN059681.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 96.716 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

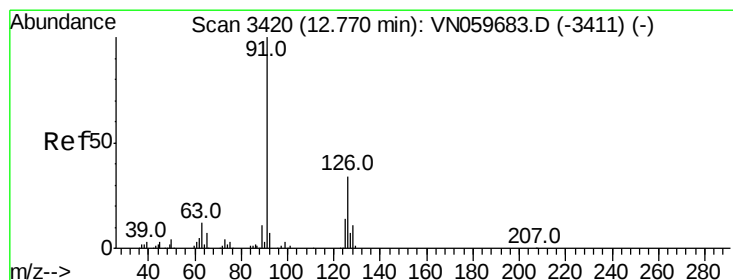
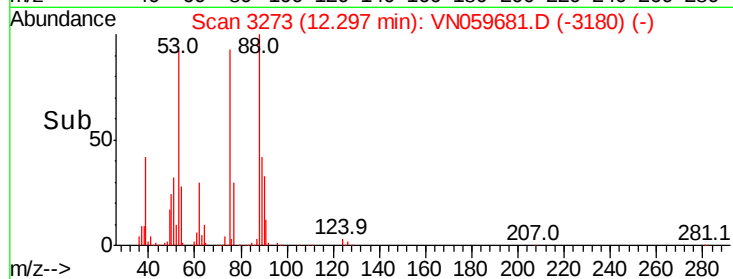
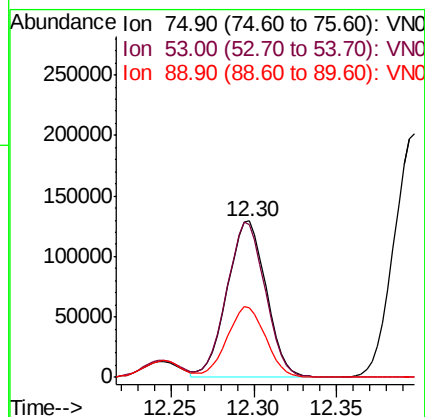
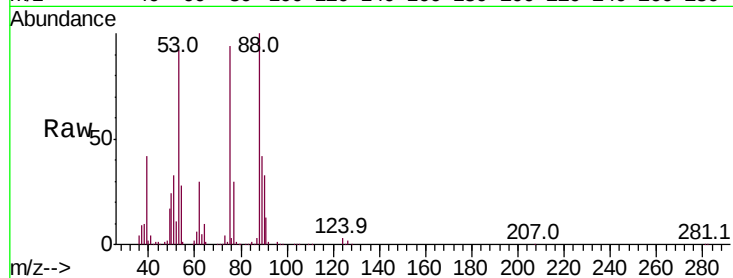
Tot Ion: 75 Resp: 210184

Ion Ratio Lower Upper

75 100

53 98.7 79.6 119.4

89 45.1 35.4 53.2



#82

4-Chlorotoluene

Concen: 101.684 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059681.D

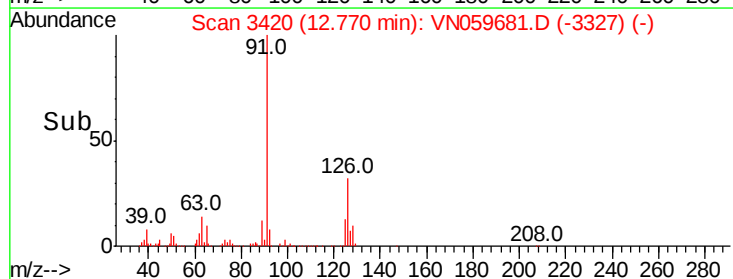
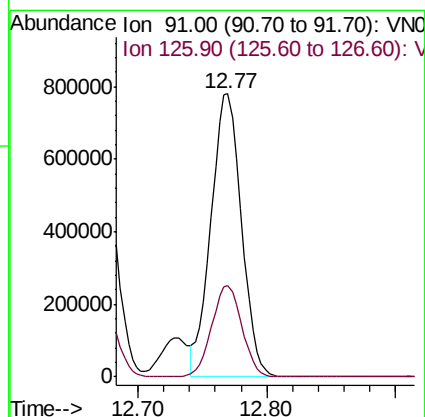
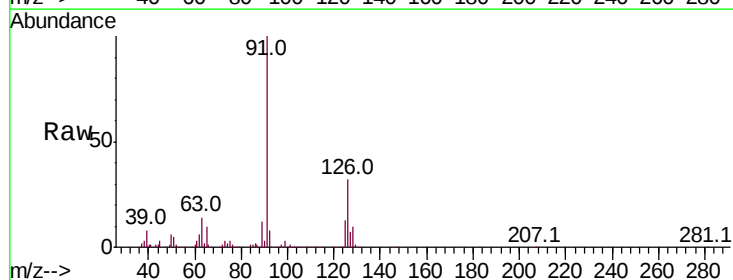
Acq: 20 Dec 2019 15:14

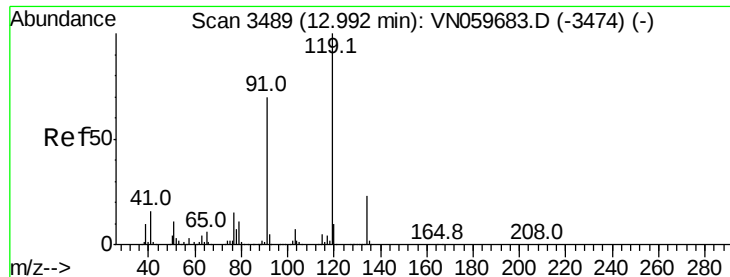
Tgt Ion: 91 Resp: 1278469

Ion Ratio Lower Upper

91 100

126 32.1 15.8 47.3





#83

tert-Butylbenzene

Concen: 108.529 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

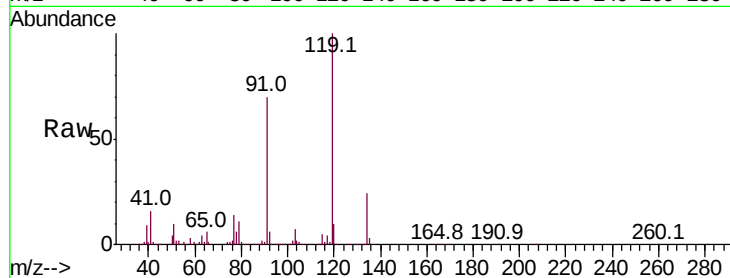
Tot Ion:119 Resp: 1313194

Ion Ratio Lower Upper

119 100

91 69.2 35.1 105.5

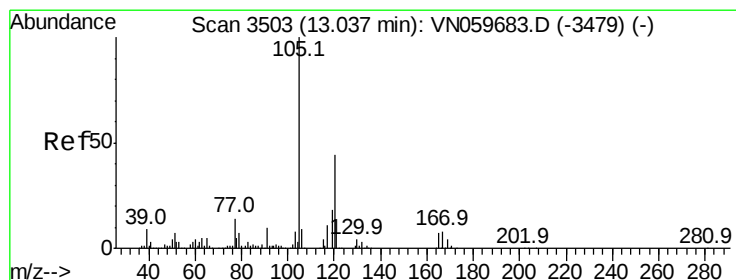
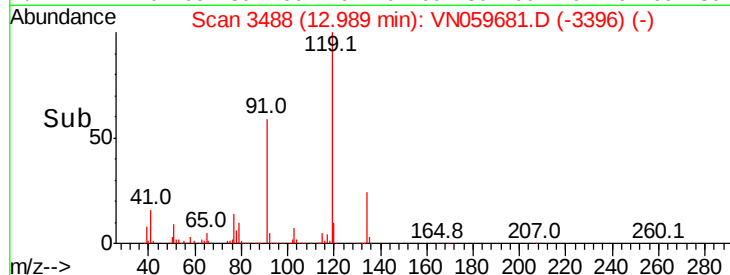
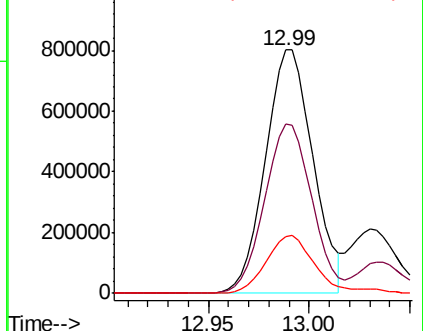
134 25.0 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 108.238 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059681.D

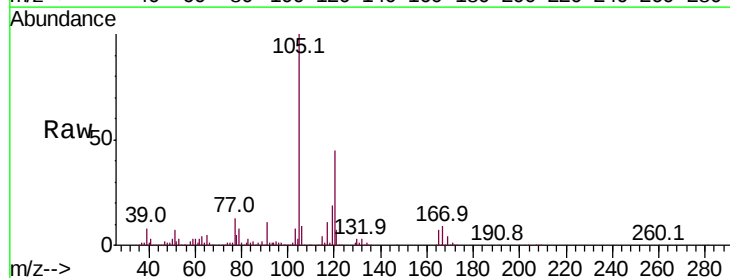
Acq: 20 Dec 2019 15:14

Tgt Ion:105 Resp: 1566742

Ion Ratio Lower Upper

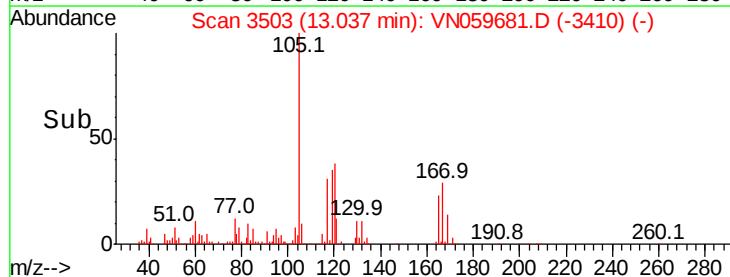
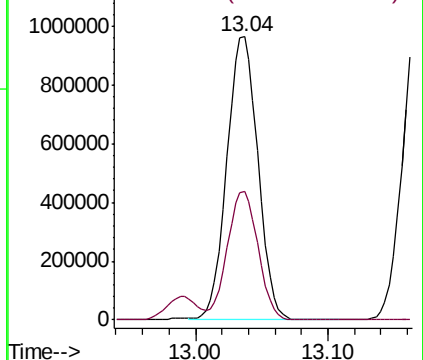
105 100

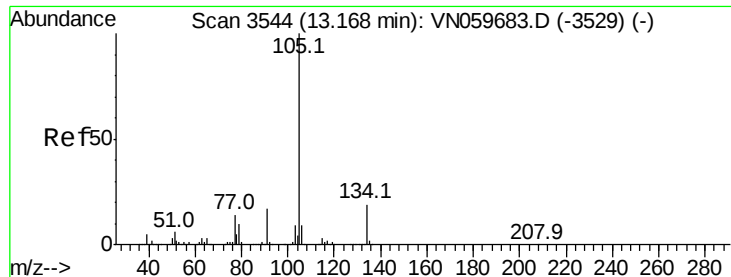
120 44.9 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 99.810 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :

MSVOA_X

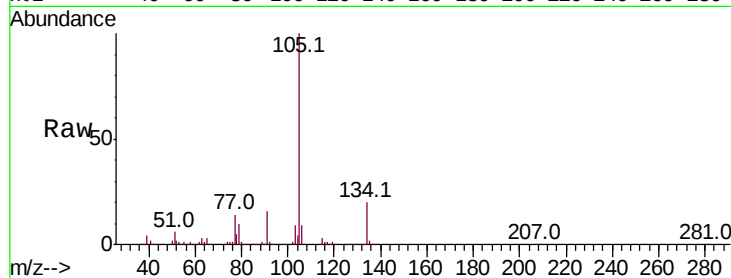
ClientSampled :

Tot Ion:105 Resp: 1634218

Ion Ratio Lower Upper

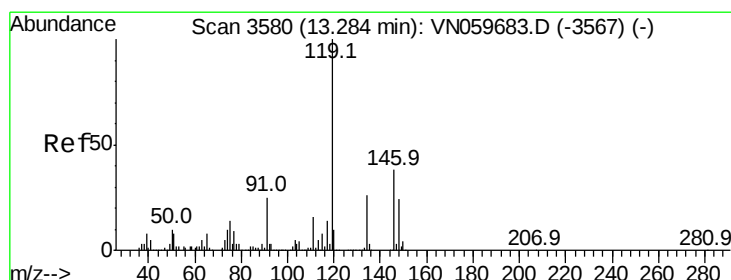
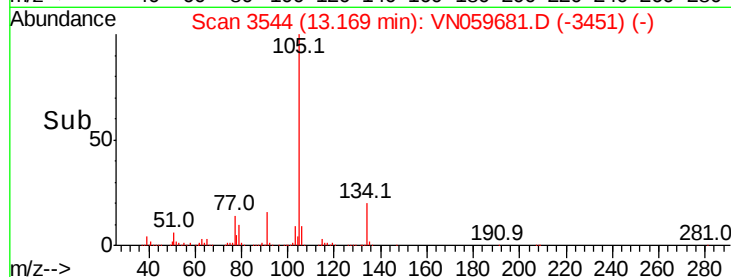
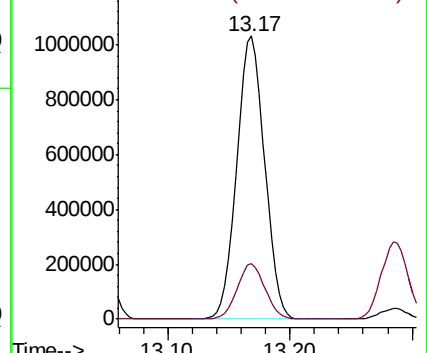
105 100

134 19.5 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 114.453 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

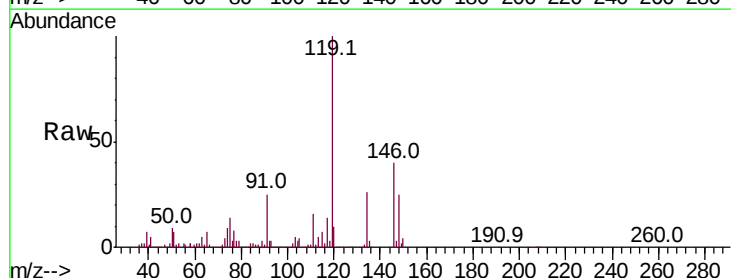
Tgt Ion:119 Resp: 1649532

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

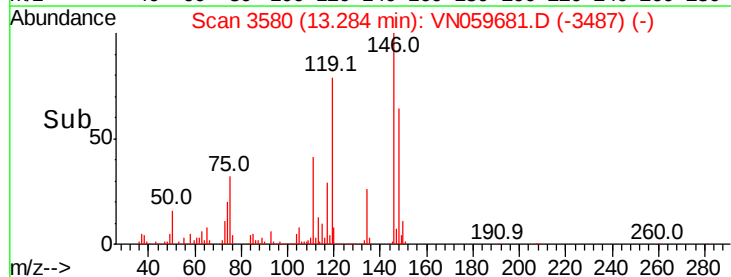
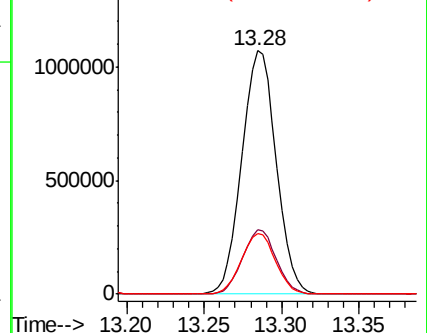
91 24.6 12.6 37.6

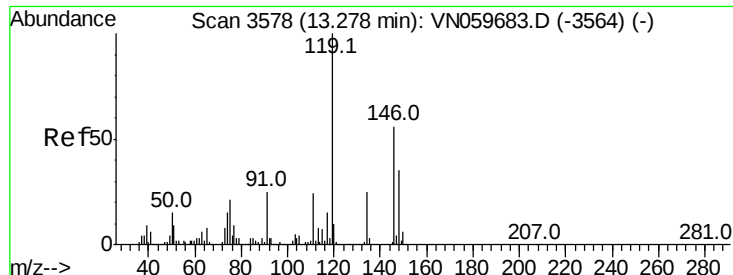


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 104.270 ug/l

RT: 13.28 min Scan# 3578

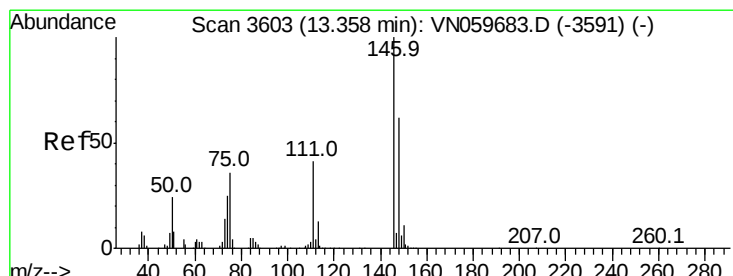
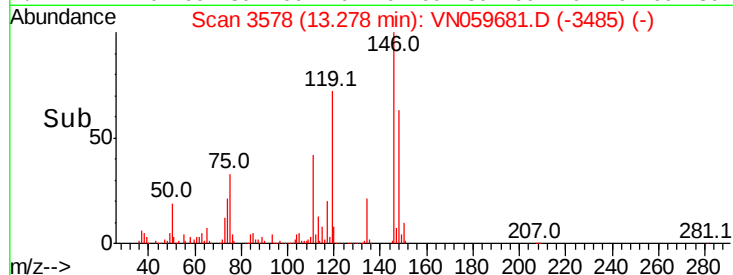
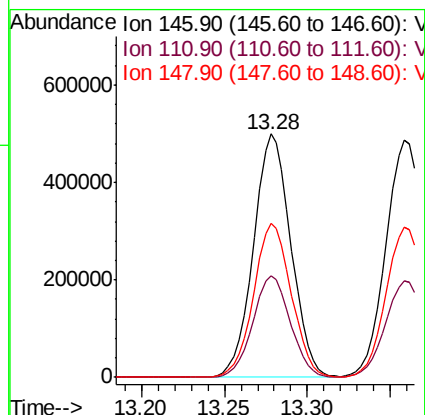
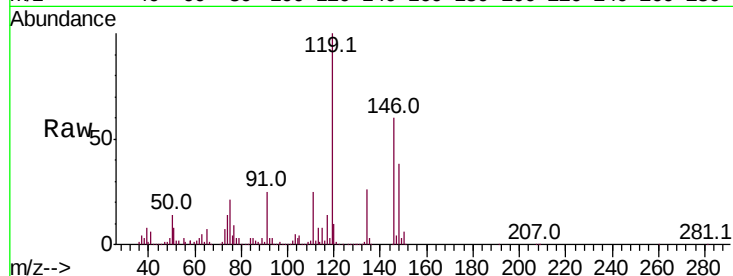
Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.9
148	63.8	31.4	94.2



#88

1,4-Dichlorobenzene

Concen: 105.290 ug/l

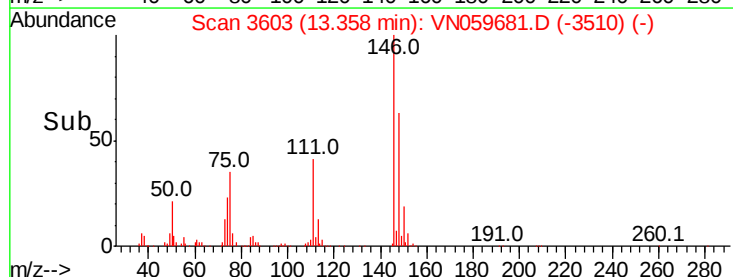
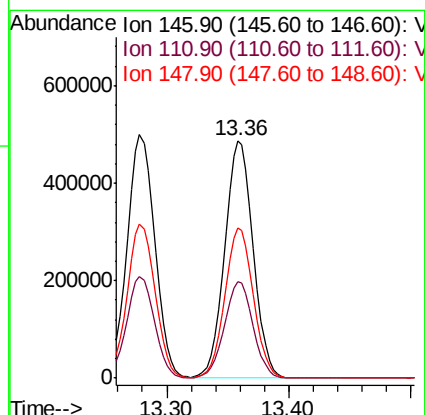
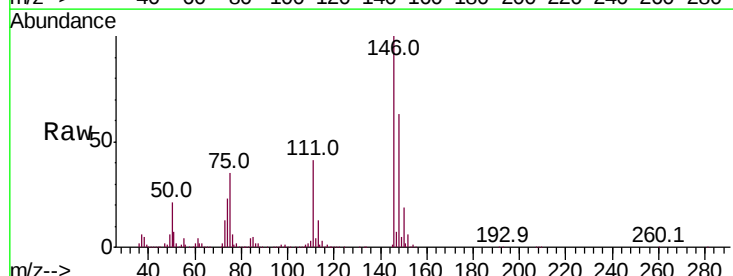
RT: 13.36 min Scan# 3603

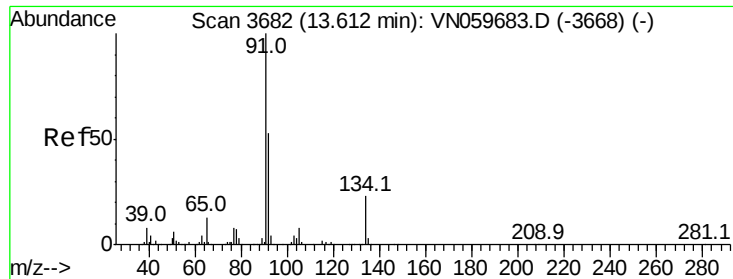
Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.3	63.7
148	63.5	31.6	94.8

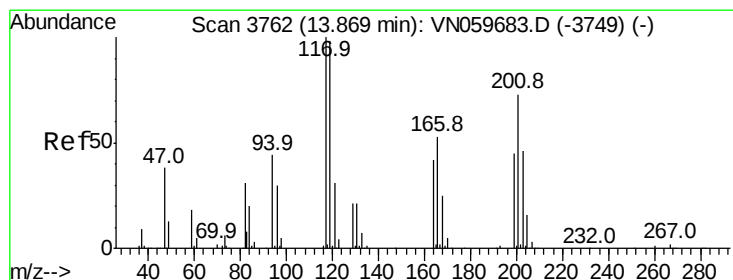
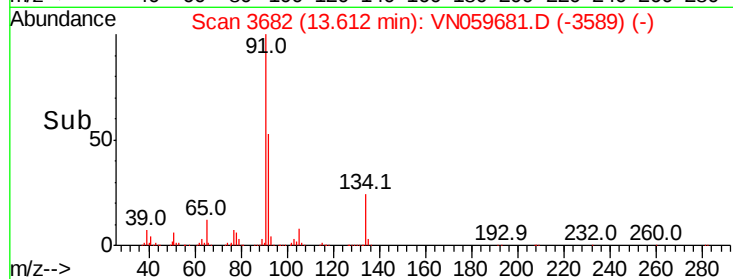
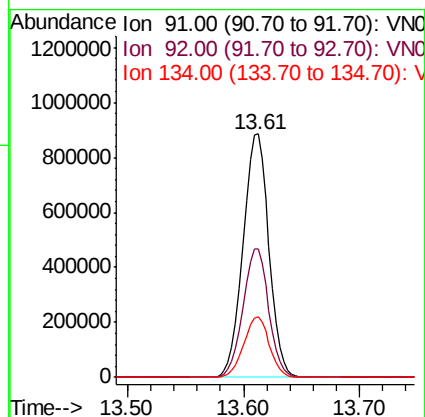
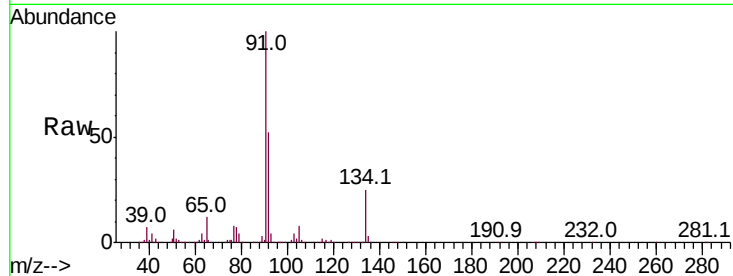




#89
n-Butylbenzene
Concen: 101.234 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

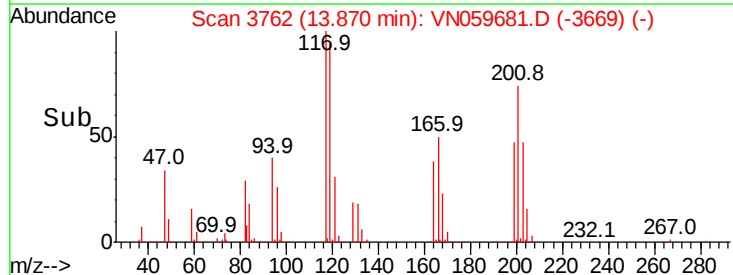
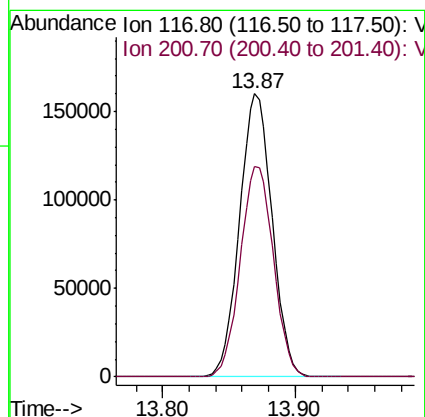
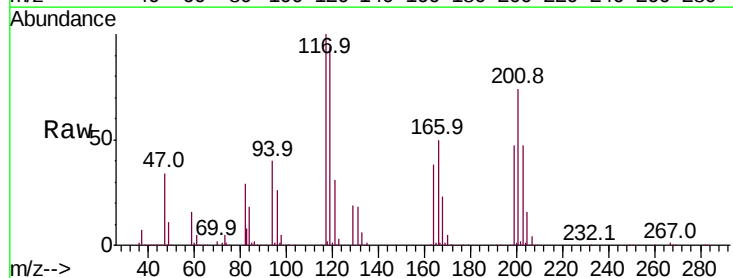
Instrument :
MSVOA_X
ClientSampleId :

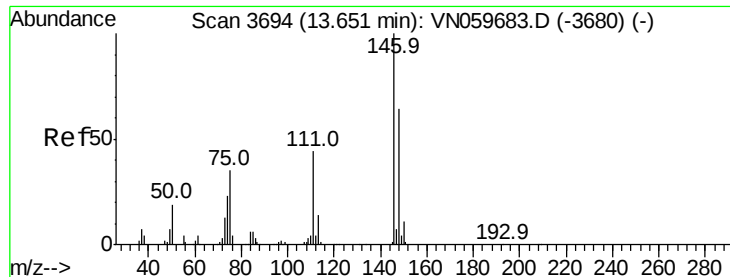
Tot Ion: 91 Resp: 1365038
Ion Ratio Lower Upper
91 100
92 52.5 25.9 77.6
134 24.7 11.6 34.7



#90
Hexachloroethane
Concen: 98.625 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059681.D
Acq: 20 Dec 2019 15:14

Tgt Ion: 117 Resp: 272633
Ion Ratio Lower Upper
117 100
201 75.6 36.2 108.6

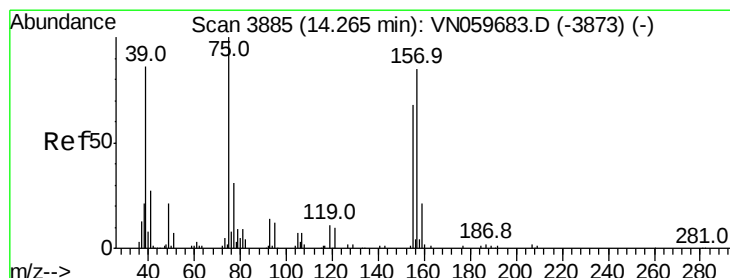
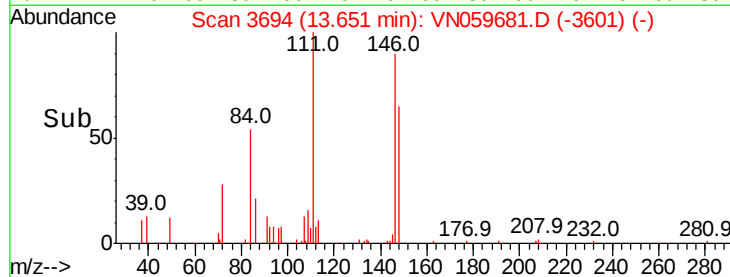
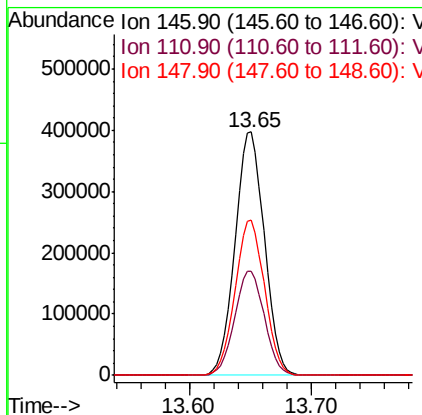
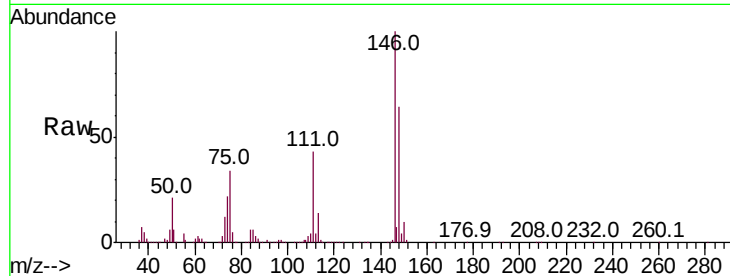




#91
 1,2-Dichlorobenzene
 Concen: 89.826 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

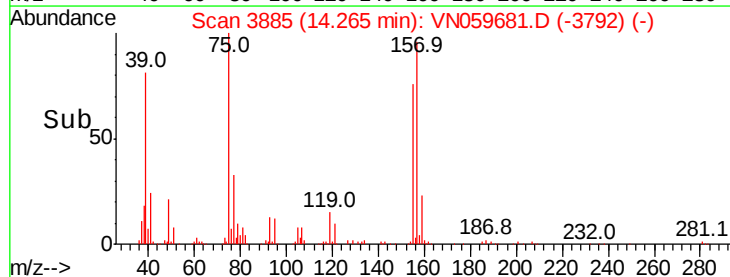
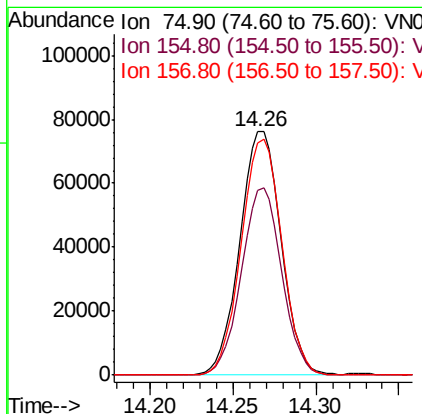
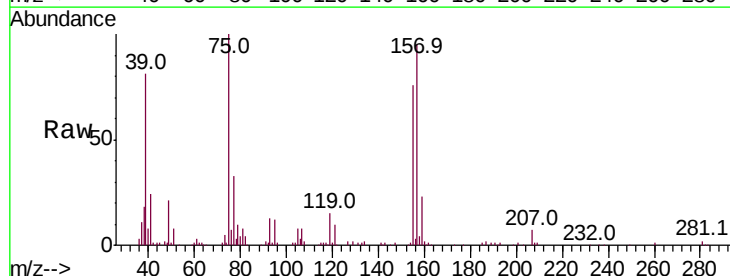
Instrument :
 MSVOA_X
 ClientSampled :

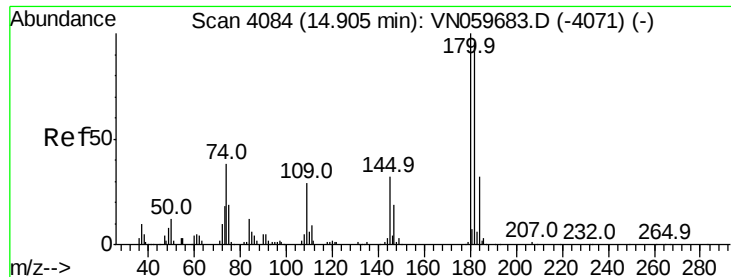
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	64.0	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 83.744 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	34.5	103.5
157	96.0	43.3	129.8

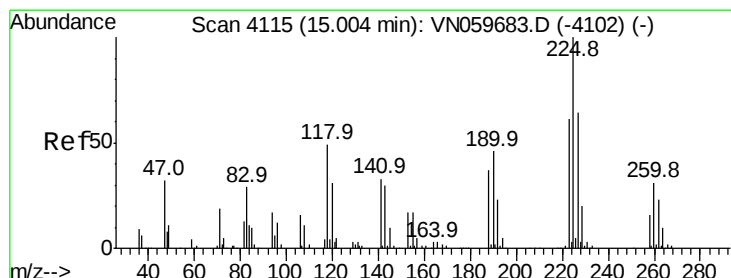
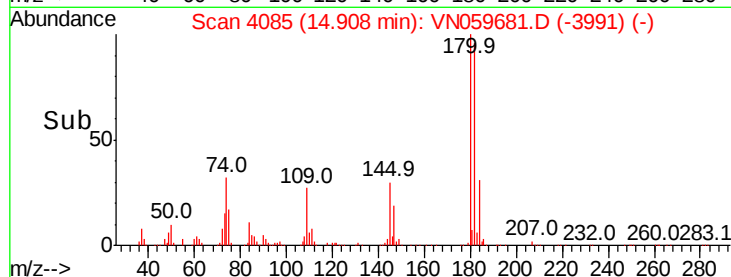
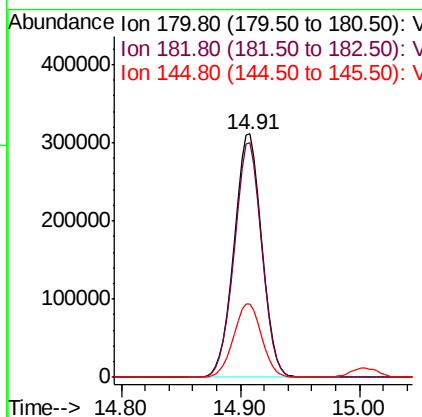
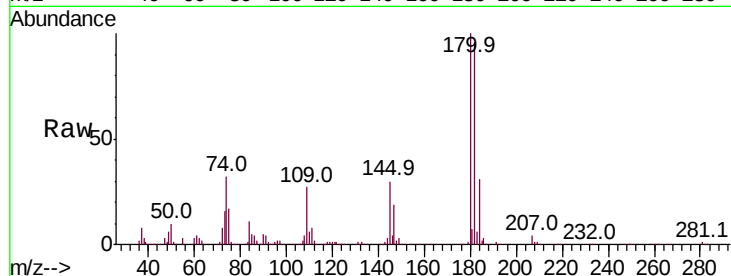




#93
 1,2,4-Trichlorobenzene
 Concen: 105.447 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

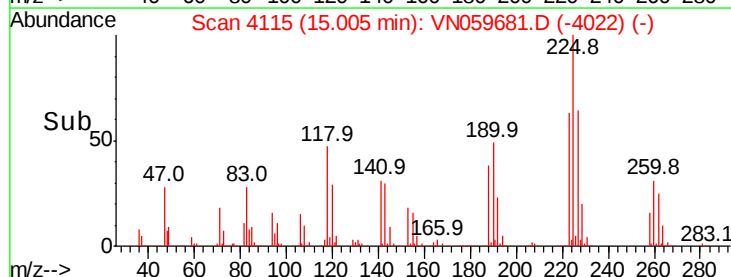
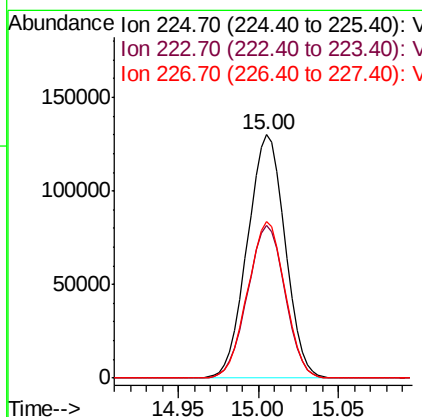
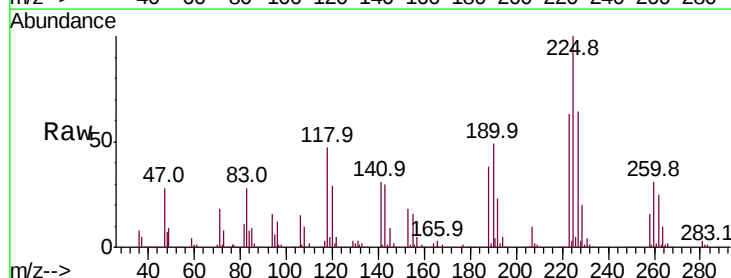
Instrument :
 MSVOA_X
 ClientSampleId :

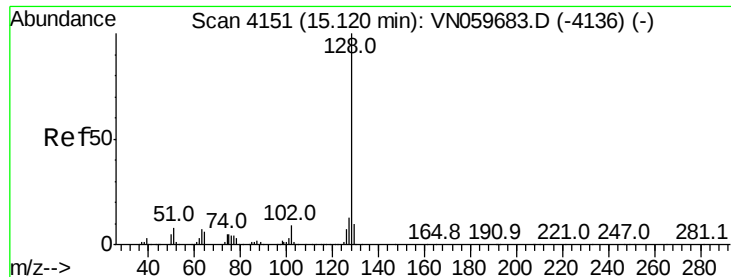
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.4
145	30.7	15.7	47.0



#94
 Hexachlorobutadiene
 Concen: 82.265 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN059681.D
 Acq: 20 Dec 2019 15:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.0	93.0
227	63.5	32.1	96.5





#95

Naphthalene

Concen: 96.448 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

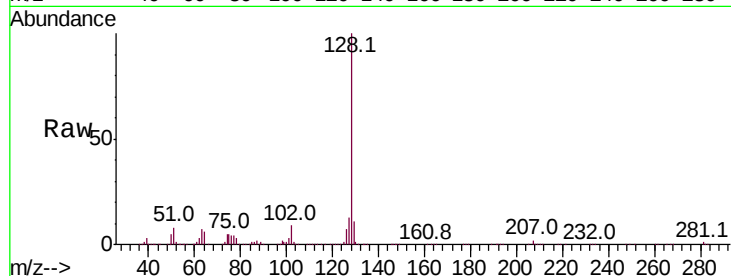
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 1360742

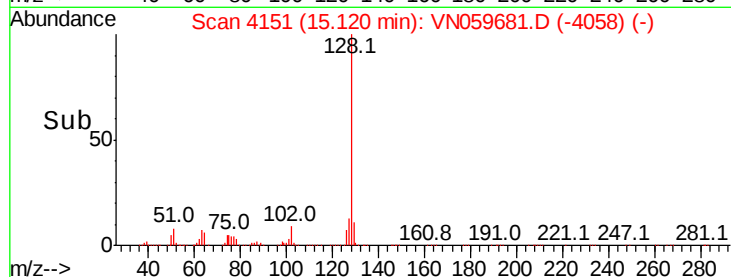
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.8	8.3	12.5



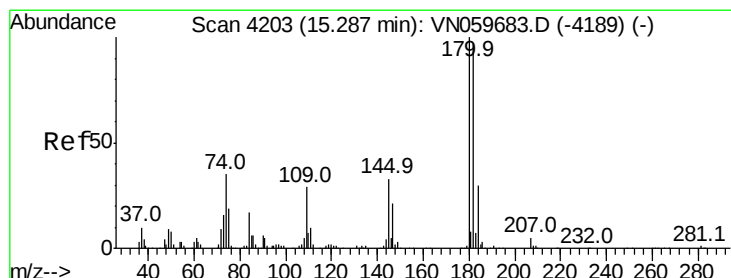
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 92.983 ug/l

RT: 15.29 min Scan# 4203

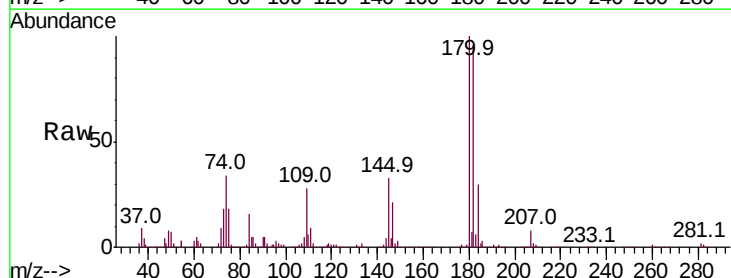
Delta R.T. 0.00 min

Lab File: VN059681.D

Acq: 20 Dec 2019 15:14

Tgt Ion:180 Resp: 452241

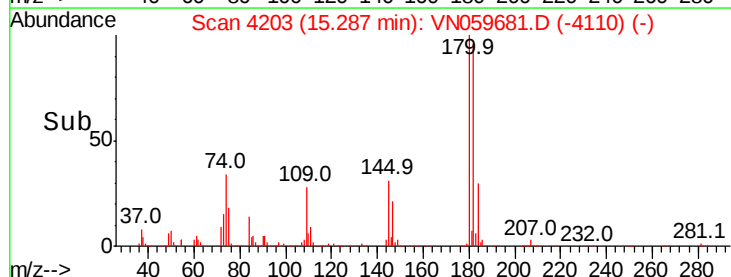
Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	32.7	16.6	49.8



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



Time-->