

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058696.D
 Acq On : 11 Oct 2019 12:14
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 11 23:32:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	441241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	714892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	660995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	132461	20.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.52%	
35) Dibromofluoromethane	7.57	113	95097	21.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.50%	
50) Toluene-d8	10.08	98	375967	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
62) 4-Bromofluorobenzene	12.40	95	136700	21.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	117250	23.706	ug/l	99
3) Chloromethane	2.04	50	131996	23.952	ug/l	100
4) Vinyl Chloride	2.17	62	132985	24.550	ug/l	99
5) Bromomethane	2.54	94	81408	27.355	ug/l	99
6) Chloroethane	2.69	64	81831	25.153	ug/l	99
7) Trichlorofluoromethane	3.00	101	159488	24.671	ug/l	99
8) Diethyl Ether	3.39	74	58382	21.452	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92388	21.691	ug/l	99
10) Methyl Iodide	3.93	142	119898	24.201	ug/l #	95
11) Tert butyl alcohol	4.76	59	99886	130.592	ug/l	100
12) 1,1-Dichloroethene	3.72	96	87435	21.058	ug/l	92
13) Acrolein	3.59	56	78190	227.637	ug/l	98
14) Allyl chloride	4.30	41	169799	22.100	ug/l	99
15) Acrylonitrile	4.96	53	256359	118.746	ug/l	100
16) Acetone	3.80	43	264413	117.367	ug/l	98
17) Carbon Disulfide	4.03	76	269633	23.956	ug/l	98
18) Methyl Acetate	4.30	43	129051	22.611	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	306417	20.770	ug/l	97
20) Methylene Chloride	4.53	84	104571	20.536	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	96224	20.764	ug/l	94
22) Diisopropyl ether	5.93	45	339736	20.756	ug/l	96
23) Vinyl Acetate	5.87	43	1439657	115.677	ug/l	100
24) 1,1-Dichloroethane	5.82	63	193696	21.067	ug/l	99
25) 2-Butanone	6.81	43	371666	119.167	ug/l	98
26) 2,2-Dichloropropane	6.80	77	171577	22.478	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	108688	20.166	ug/l	99
28) Bromochloromethane	7.17	49	66480	18.570	ug/l	98
29) Tetrahydrofuran	7.19	42	238863	120.087	ug/l	99
30) Chloroform	7.36	83	190752	20.563	ug/l	97
31) Cyclohexane	7.64	56	184192	20.653	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	165538	21.565	ug/l	99
36) 1,1-Dichloropropene	7.78	75	146516	21.309	ug/l	99
37) Ethyl Acetate	6.91	43	152468	25.265	ug/l	97
38) Carbon Tetrachloride	7.76	117	145134	23.078	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058696.D
 Acq On : 11 Oct 2019 12:14
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 11 23:32:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	169352	21.033	ug/l	98
40) Benzene	8.03	78	421510	21.339	ug/l	100
41) Methacrylonitrile	7.19	41	222637	78.679	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	163158	21.240	ug/l	100
43) Isopropyl Acetate	8.15	43	246706	22.073	ug/l	99
44) Trichloroethene	8.82	130	103524	21.256	ug/l	100
45) 1,2-Dichloropropane	9.11	63	113014	21.311	ug/l	96
46) Dibromomethane	9.20	93	71936	21.374	ug/l	98
47) Bromodichloromethane	9.39	83	144118	22.423	ug/l	99
48) Methyl methacrylate	9.19	41	112819	22.216	ug/l	99
49) 1,4-Dioxane	9.18	88	35014	506.858	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	756463	129.231	ug/l	98
52) Toluene	10.15	92	254921	20.466	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	164149	23.394	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	178485	23.054	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	101526	22.312	ug/l	97
56) Ethyl methacrylate	10.43	69	152466	21.925	ug/l	99
57) 1,3-Dichloropropane	10.71	76	179735	22.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	374351	130.096	ug/l	100
59) 2-Hexanone	10.75	43	576146	133.671	ug/l	98
60) Dibromochloromethane	10.90	129	108903	24.783	ug/l	99
61) 1,2-Dibromoethane	11.00	107	102737	22.007	ug/l	99
64) Tetrachloroethene	10.63	164	91202	21.450	ug/l	98
65) Chlorobenzene	11.44	112	270974	20.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99862	22.308	ug/l	98
67) Ethyl Benzene	11.51	91	496944	20.831	ug/l	100
68) m/p-Xylenes	11.62	106	367562	40.947	ug/l	98
69) o-Xylene	11.95	106	171648	19.920	ug/l	99
70) Styrene	11.97	104	284669	20.334	ug/l	99
71) Bromoform	12.13	173	71750	25.061	ug/l #	99
73) Isopropylbenzene	12.25	105	480096	20.839	ug/l	99
74) N-amyl acetate	12.07	43	210854	22.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	152525	21.985	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	206657	35.430	ug/l #	100
77) Bromobenzene	12.53	156	111794	20.629	ug/l	100
78) n-propylbenzene	12.59	91	572251	21.956	ug/l	99
79) 2-Chlorotoluene	12.68	91	336288	20.923	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	412158	21.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49085	24.551	ug/l	94
82) 4-Chlorotoluene	12.78	91	346476	21.071	ug/l	99
83) tert-Butylbenzene	13.00	119	347028	21.259	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	411149	21.216	ug/l	100
85) sec-Butylbenzene	13.18	105	471208	21.859	ug/l	100
86) p-Isopropyltoluene	13.29	119	422286	22.155	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	208074	21.097	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	208494	21.284	ug/l	99
89) n-Butylbenzene	13.62	91	382510	22.022	ug/l	99
90) Hexachloroethane	13.88	117	73742	25.178	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	204960	21.592	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	33488	26.512	ug/l	97

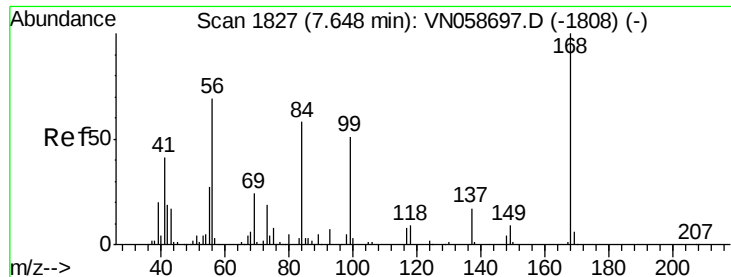
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
Data File : VN058696.D
Acq On : 11 Oct 2019 12:14
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Oct 11 23:32:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 23:28:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	123965	23.417	ug/l	100
94) Hexachlorobutadiene	15.01	225	65502	23.753	ug/l	99
95) Naphthalene	15.13	128	356093	25.401	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	119660	24.706	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

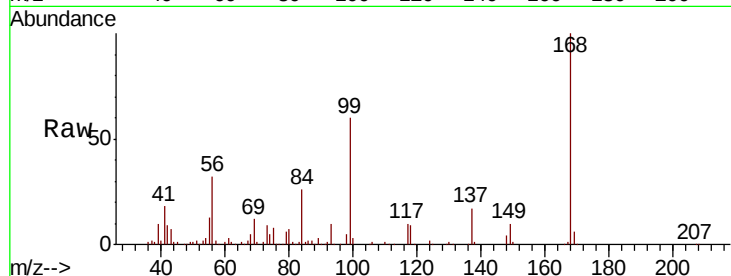
VSTDIC020

Tot Ion:168 Resp: 441241

Ion Ratio Lower Upper

168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

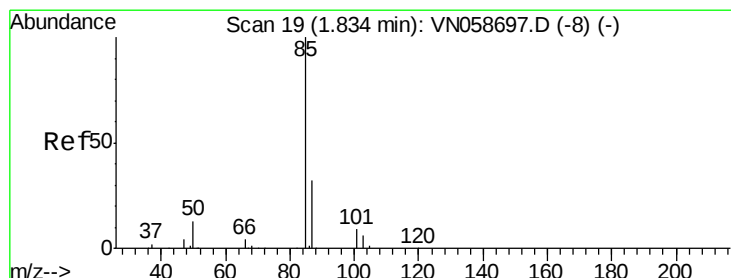
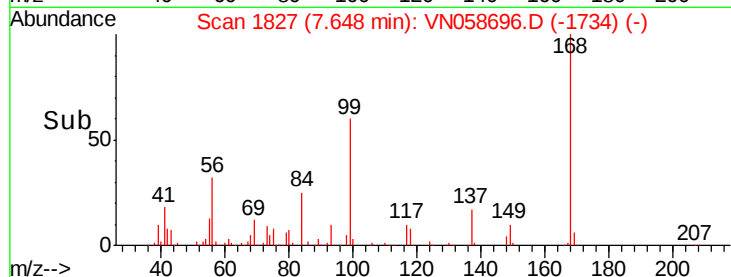
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.706 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058696.D

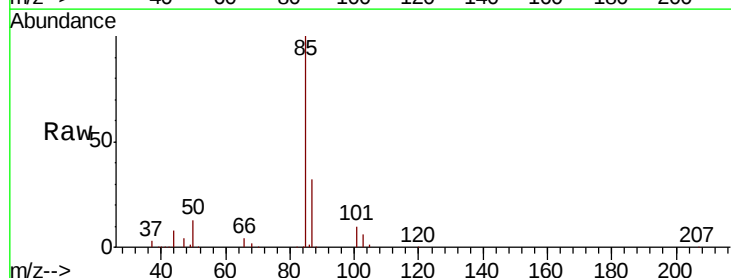
Acq: 11 Oct 2019 12:14

Tgt Ion: 85 Resp: 117250

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

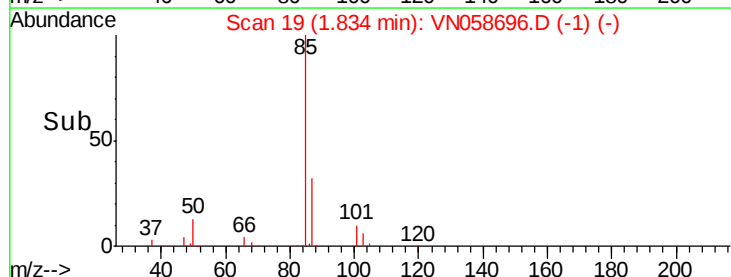
40000

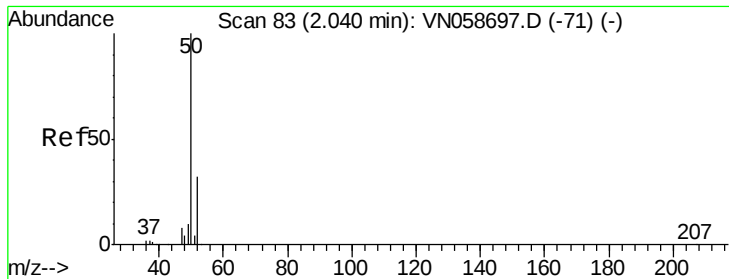
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 23.952 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

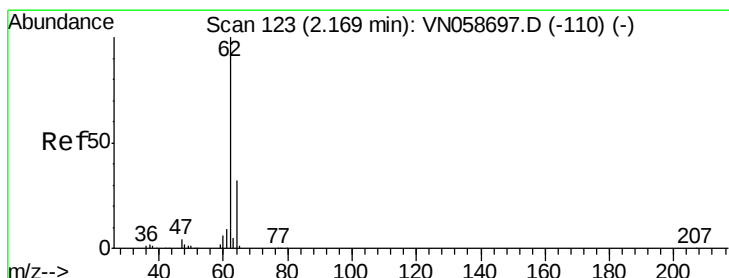
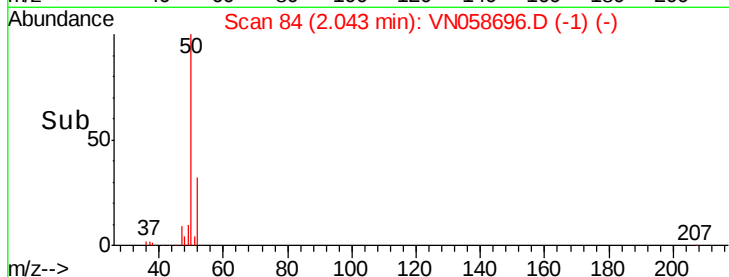
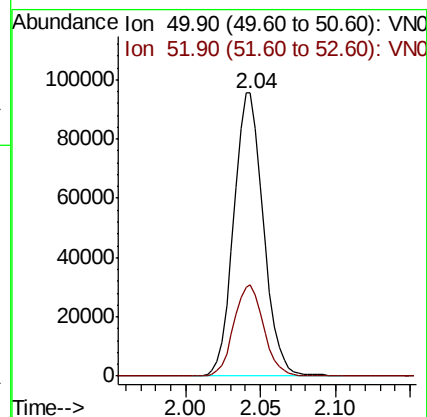
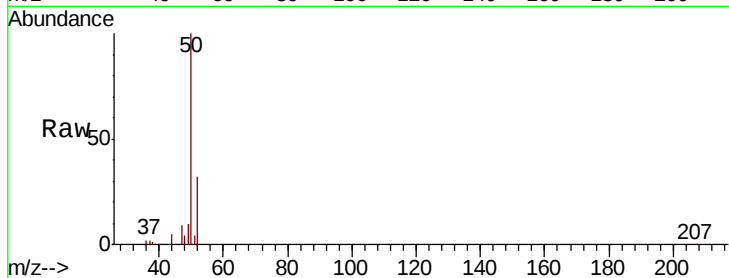
VSTDIC020

Tot Ion: 50 Resp: 131996

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.6



#4

Vinyl Chloride

Concen: 24.550 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058696.D

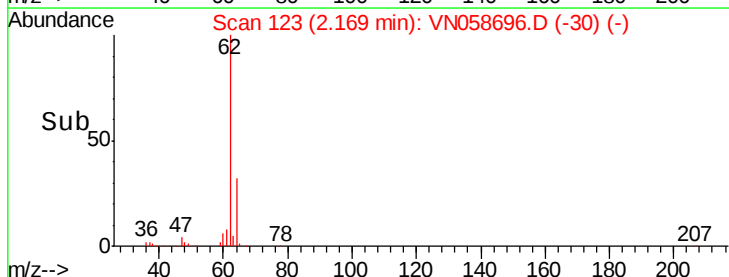
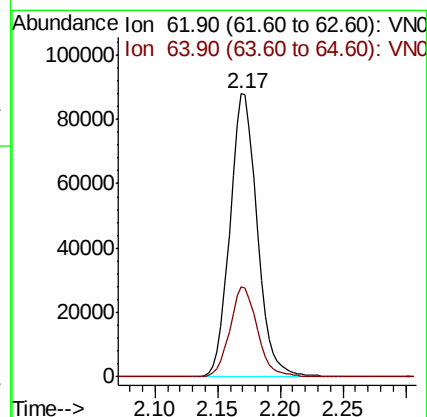
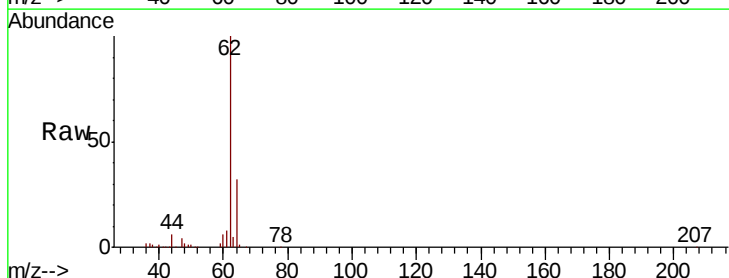
Acq: 11 Oct 2019 12:14

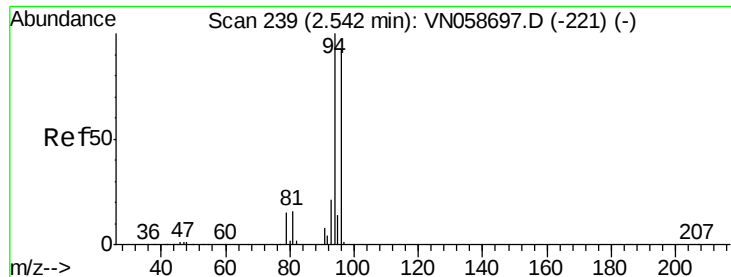
Tgt Ion: 62 Resp: 132985

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 27.355 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

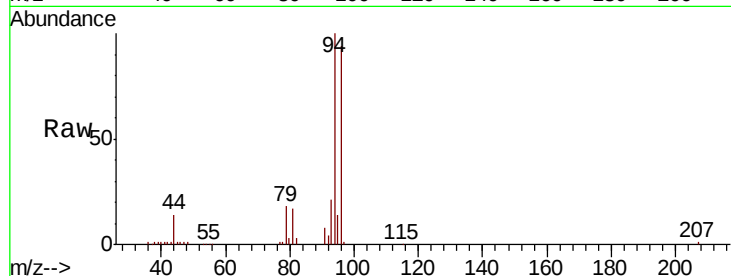
VSTDIC020

Tot Ion: 94 Resp: 81408

Ion Ratio Lower Upper

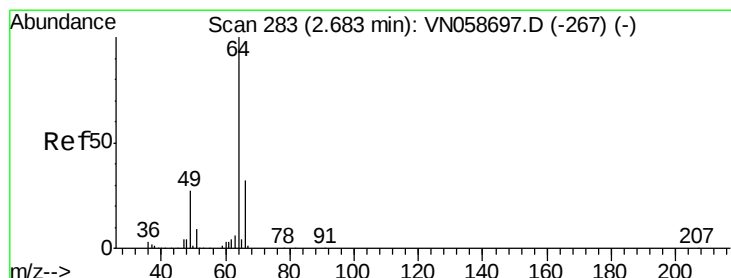
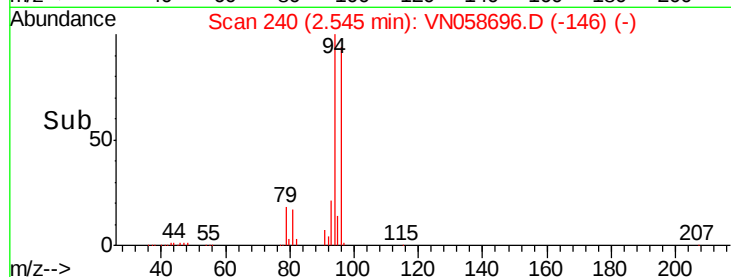
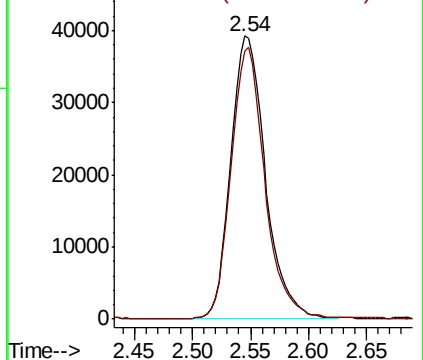
94 100

96 94.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 25.153 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058696.D

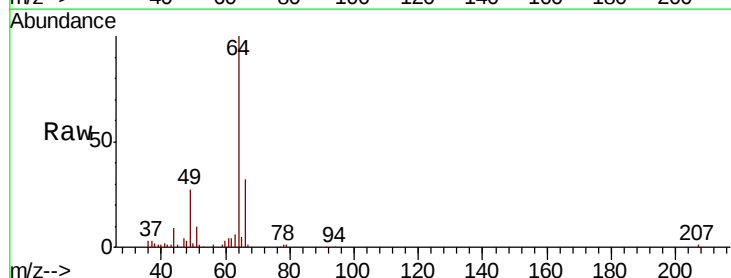
Acq: 11 Oct 2019 12:14

Tgt Ion: 64 Resp: 81831

Ion Ratio Lower Upper

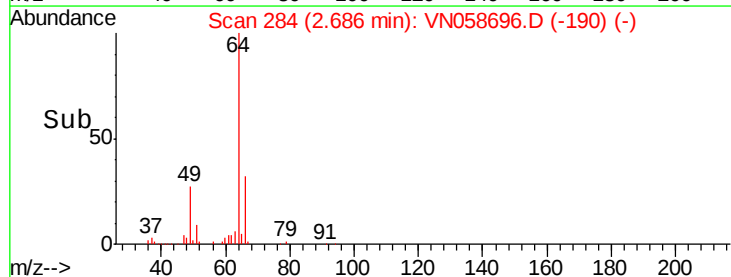
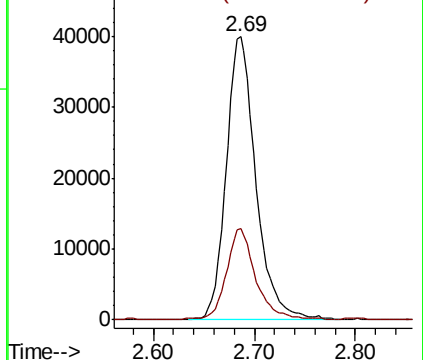
64 100

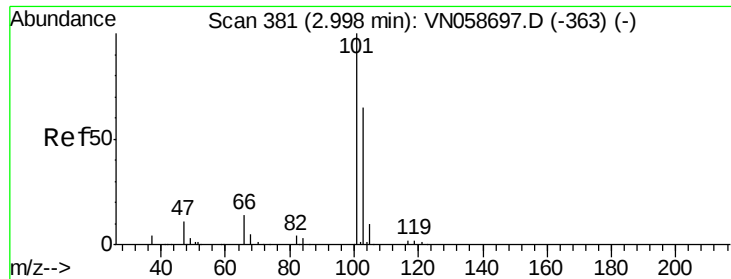
66 32.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



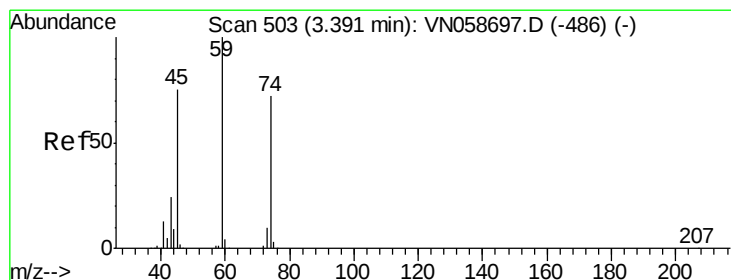
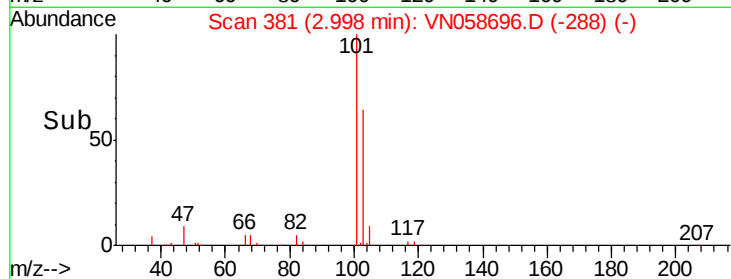
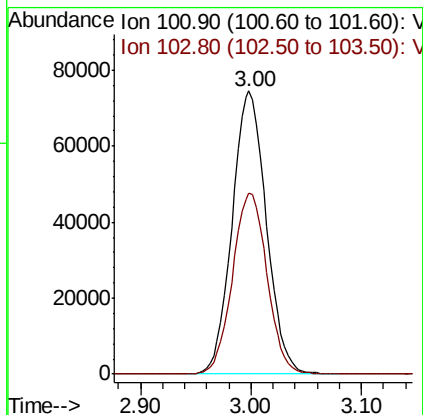
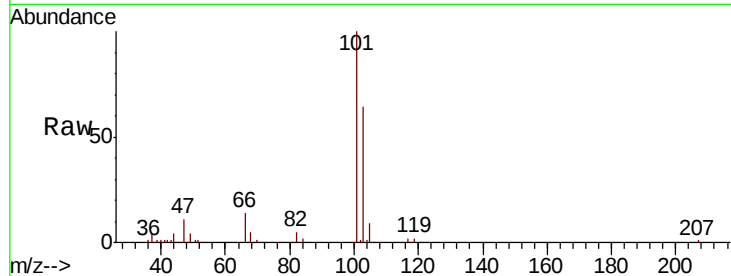


#7

Trichlorofluoromethane
Concen: 24.671 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

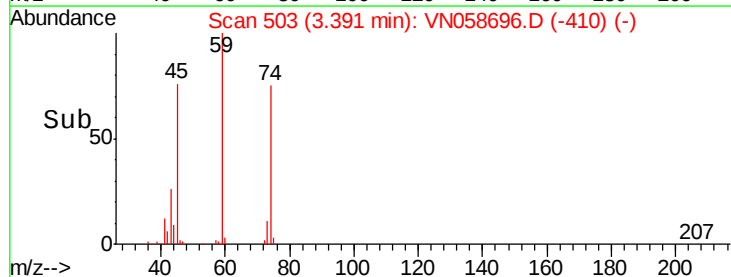
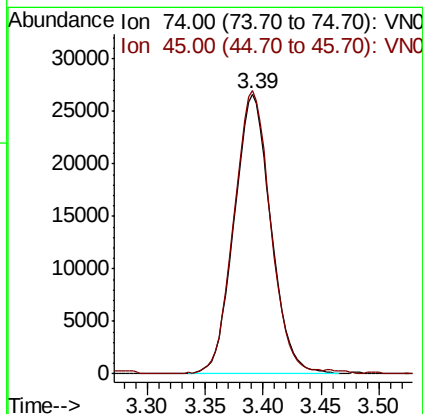
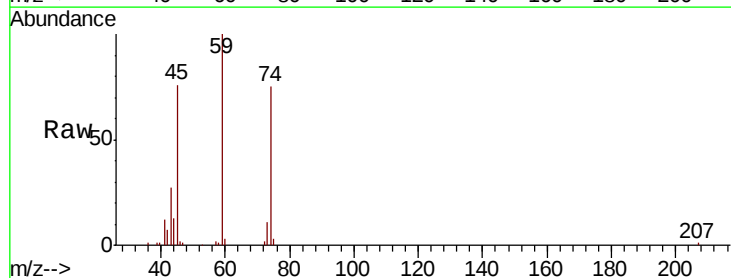
Tot Ion:101 Resp: 159488
Ion Ratio Lower Upper
101 100
103 63.9 51.8 77.6

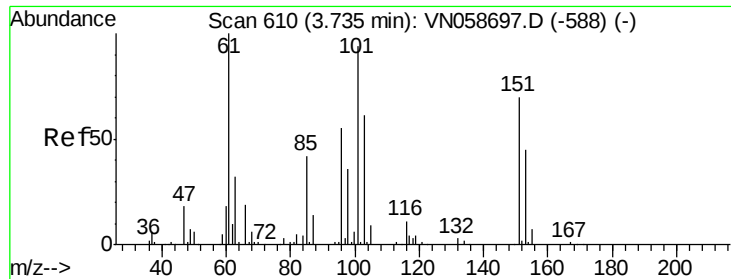


#8

Diethyl Ether
Concen: 21.452 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 74 Resp: 58382
Ion Ratio Lower Upper
74 100
45 101.3 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.691 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

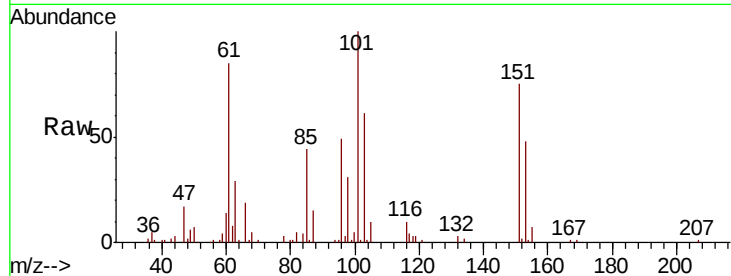
Tot Ion:101 Resp: 92388

Ion Ratio Lower Upper

101 100

85 45.5 37.0 55.6

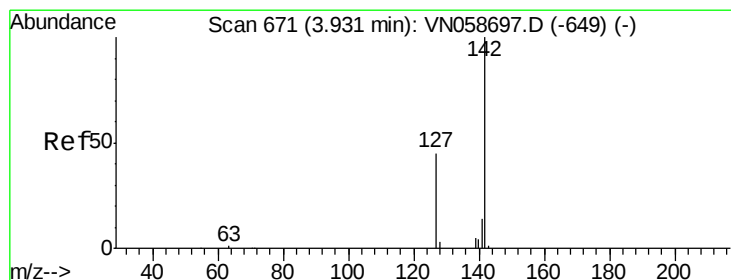
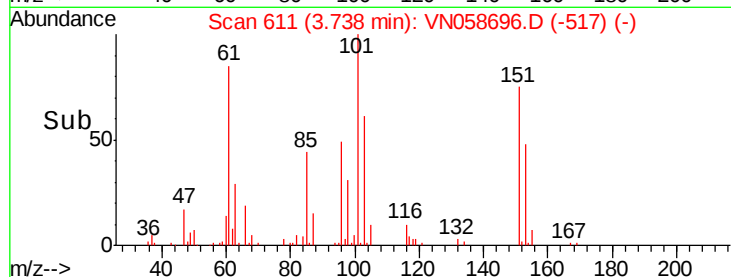
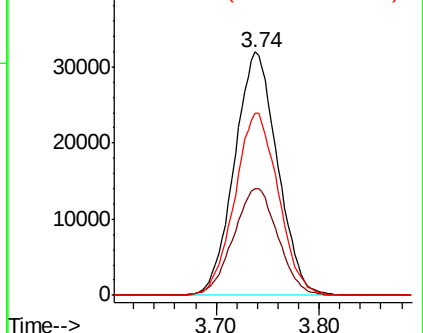
151 76.0 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.201 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

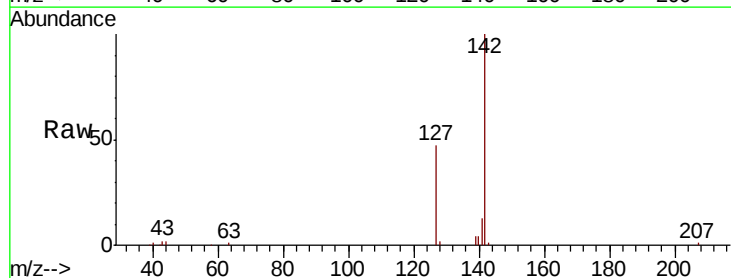
Tgt Ion:142 Resp: 119898

Ion Ratio Lower Upper

142 100

127 46.4 36.4 54.6

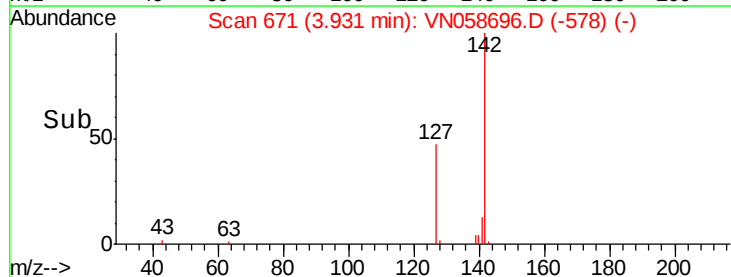
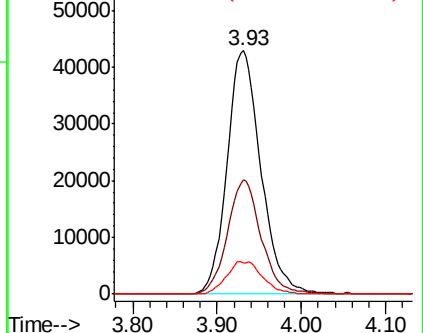
141 6.8 11.1 16.7#

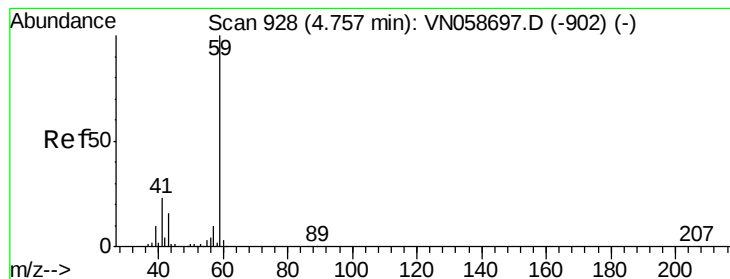


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



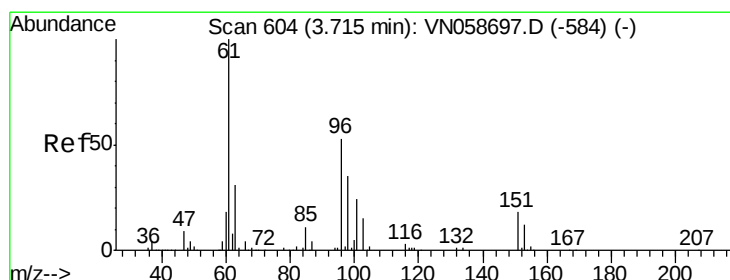
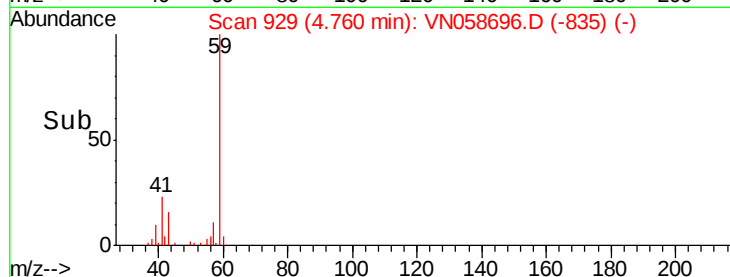
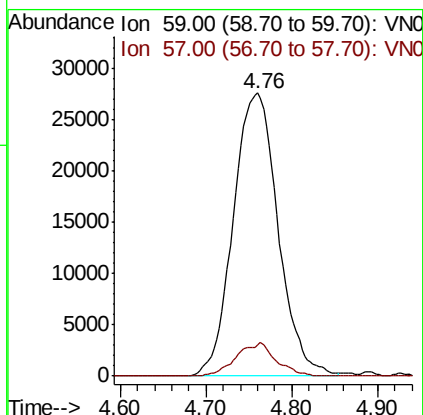
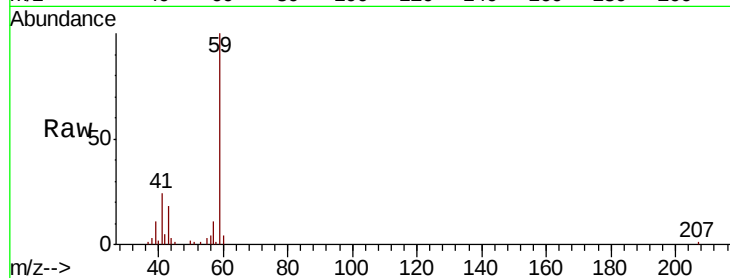


#11

Tert butyl alcohol
 Concen: 130.592 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

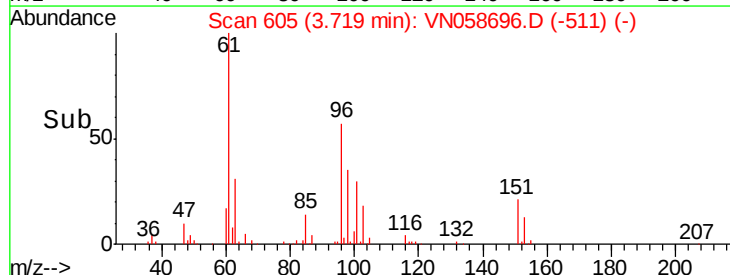
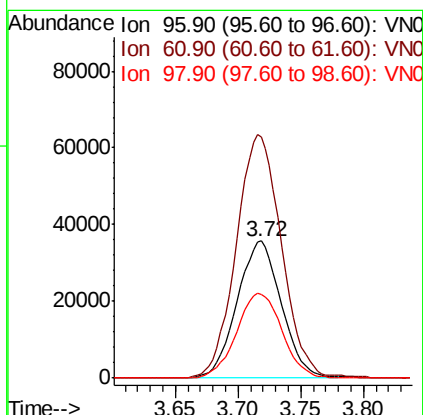
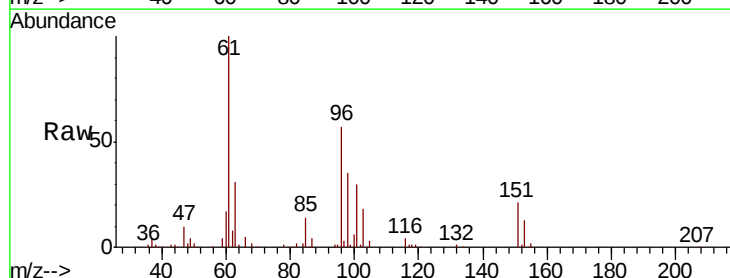
Tot Ion: 59 Resp: 99886
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

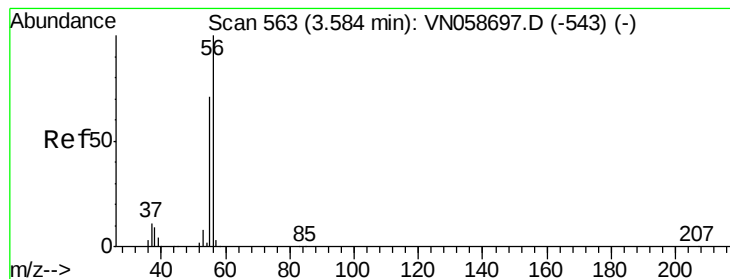


#12

1,1-Dichloroethene
 Concen: 21.058 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion: 96 Resp: 87435
 Ion Ratio Lower Upper
 96 100
 61 175.7 151.3 226.9
 98 61.4 52.6 78.8





#13

Acrolein

Concen: 227.637 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

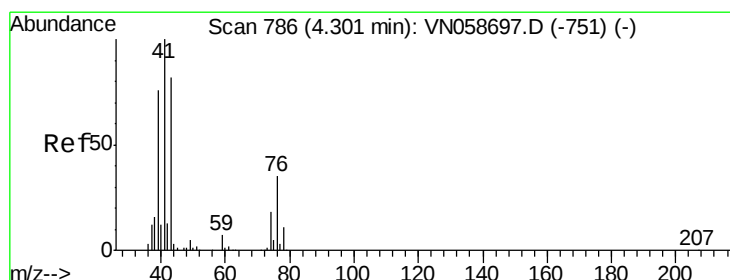
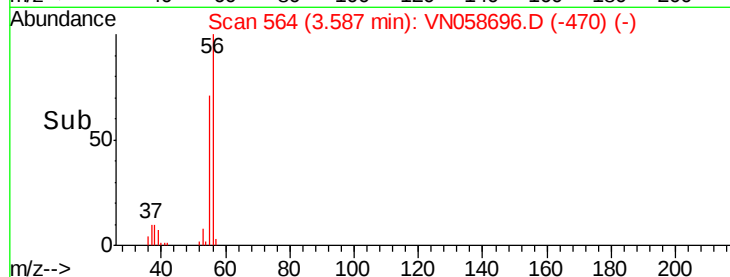
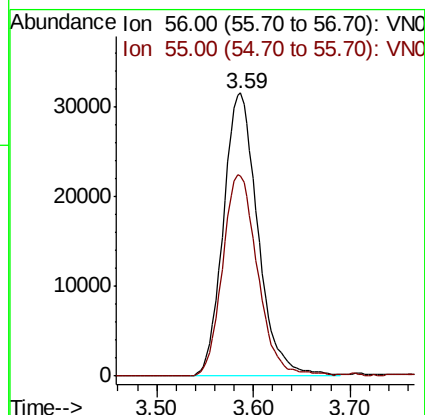
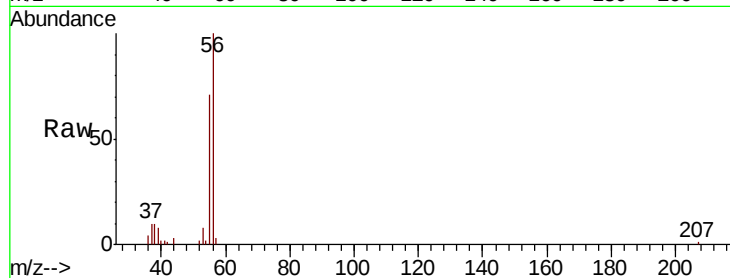
VSTDIC020

Tot Ion: 56 Resp: 78190

Ion Ratio Lower Upper

56 100

55 72.2 56.7 85.1



#14

Allyl chloride

Concen: 22.100 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

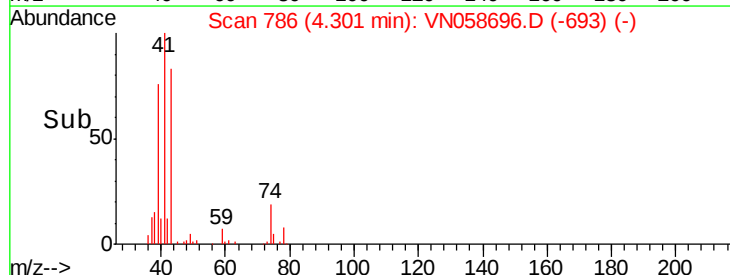
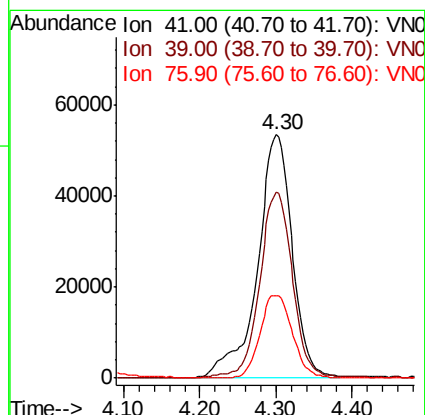
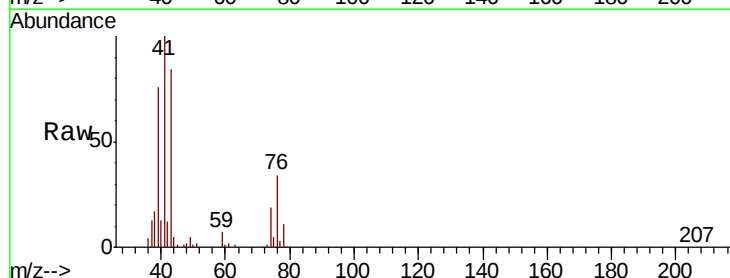
Tgt Ion: 41 Resp: 169799

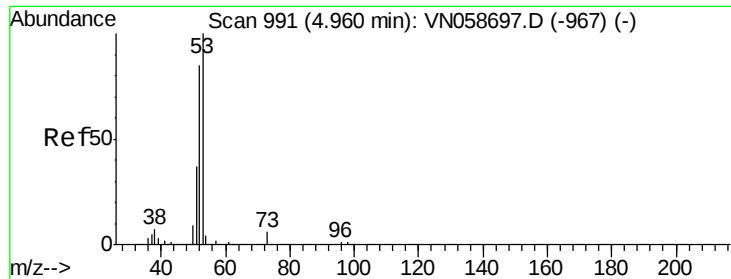
Ion Ratio Lower Upper

41 100

39 72.0 57.2 85.8

76 31.6 25.0 37.6





#15

Acrylonitrile

Concen: 118.746 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

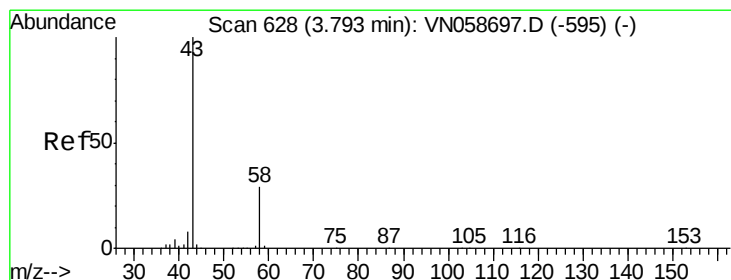
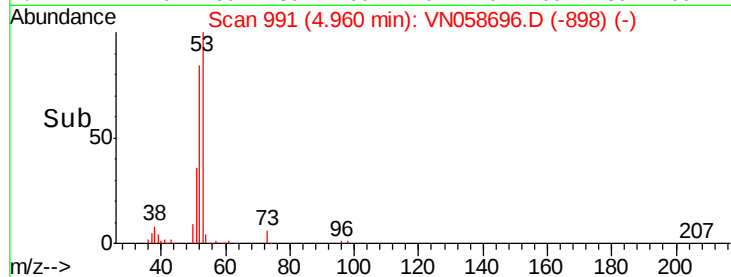
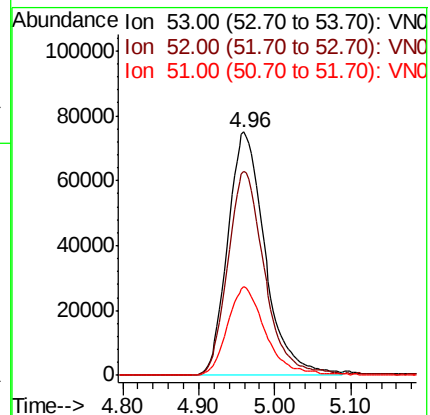
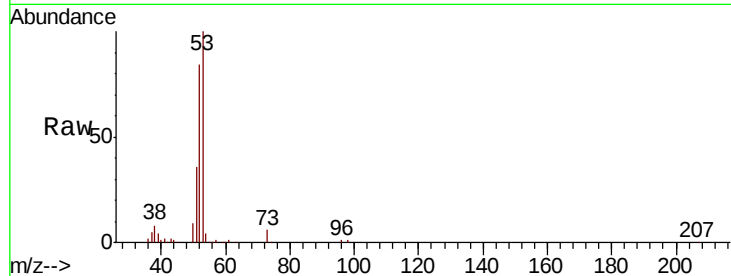
Tot Ion: 53 Resp: 256359

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

51 36.2 29.4 44.2



#16

Acetone

Concen: 117.367 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058696.D

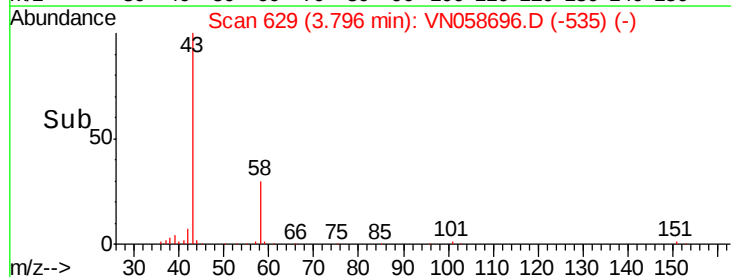
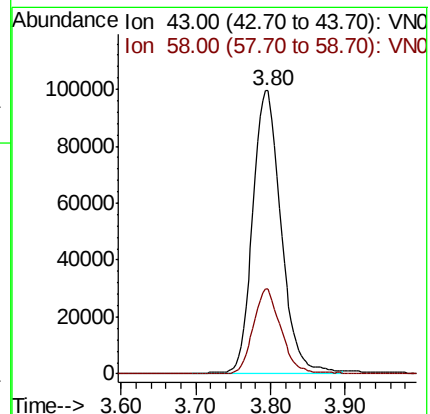
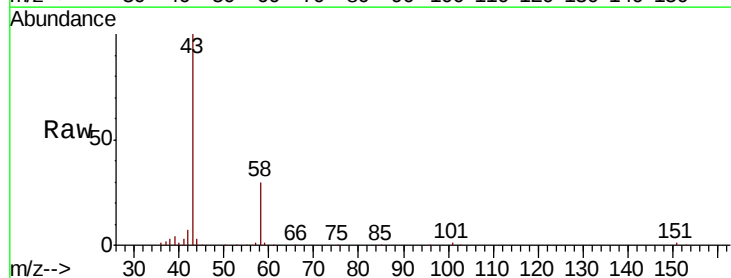
Acq: 11 Oct 2019 12:14

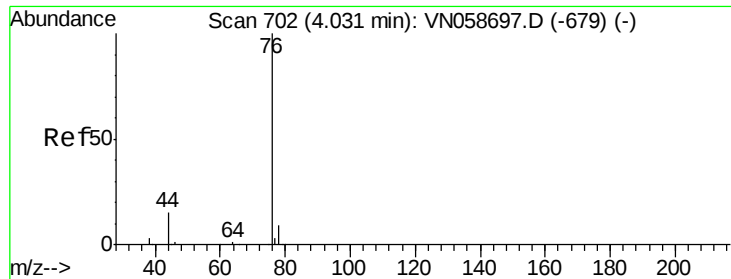
Tgt Ion: 43 Resp: 264413

Ion Ratio Lower Upper

43 100

58 30.0 23.3 34.9

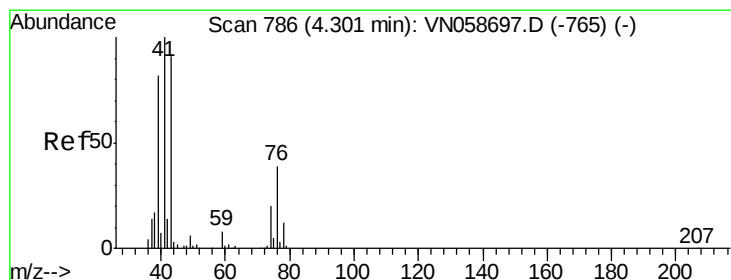
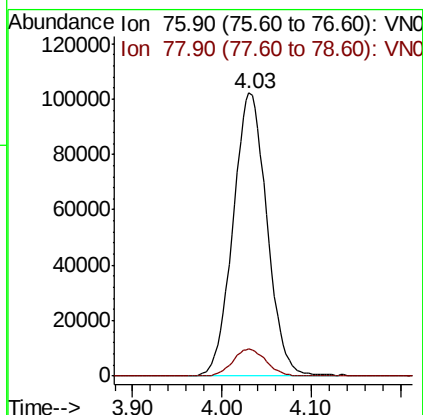
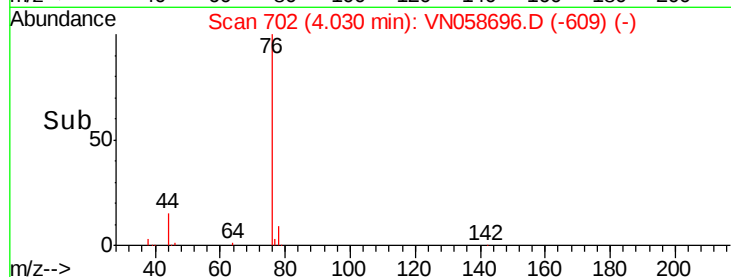
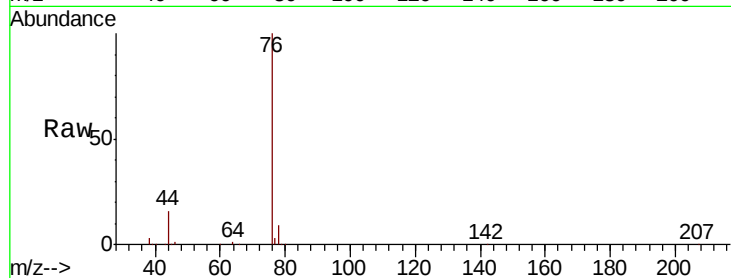




#17
Carbon Disulfide
Concen: 23.956 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

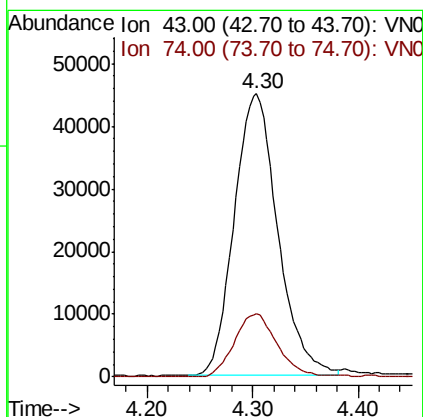
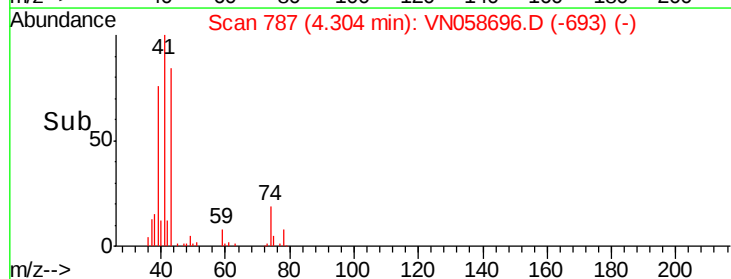
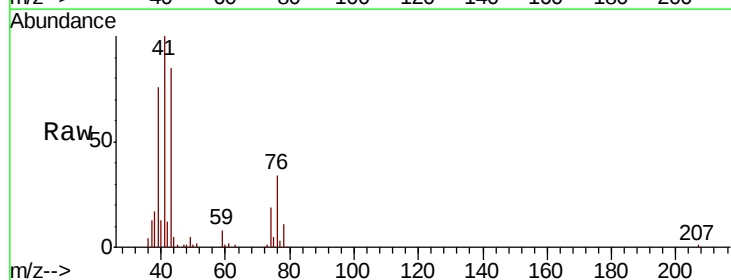
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

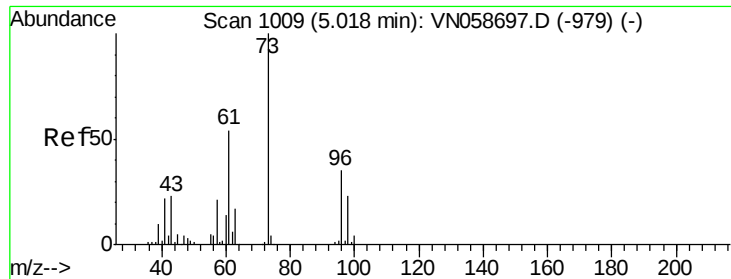
Tot Ion: 76 Resp: 269633
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 22.611 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 43 Resp: 129051
Ion Ratio Lower Upper
43 100
74 22.2 17.2 25.8

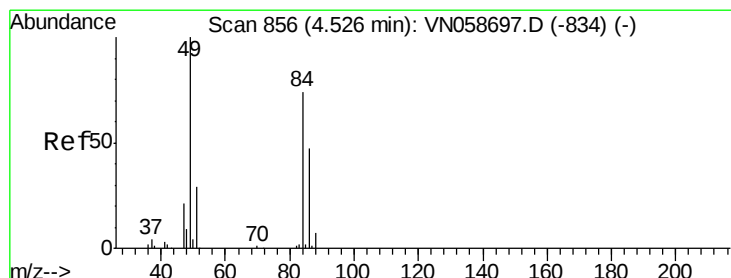
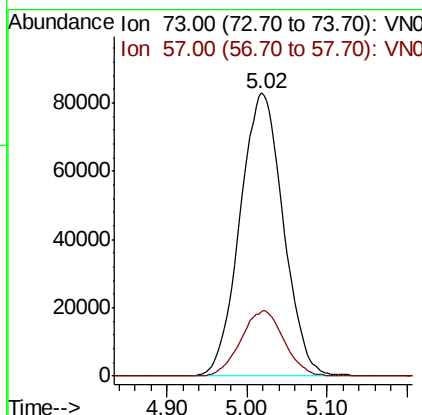
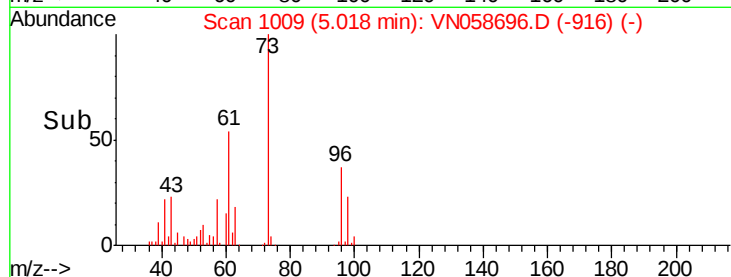
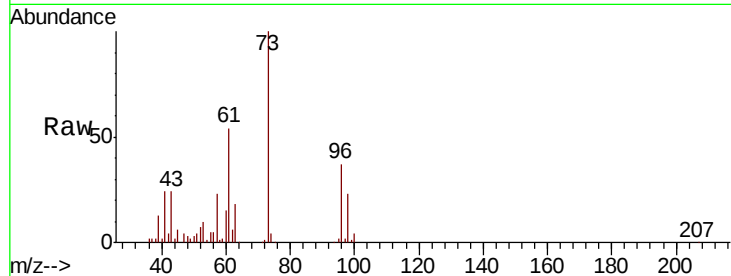




#19
Methyl tert-butyl Ether
Concen: 20.770 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

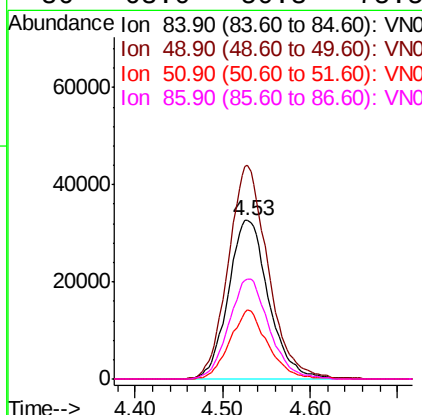
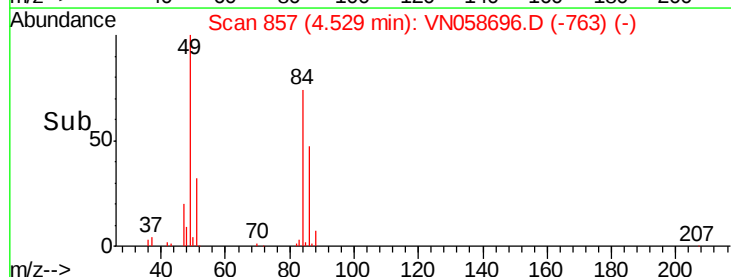
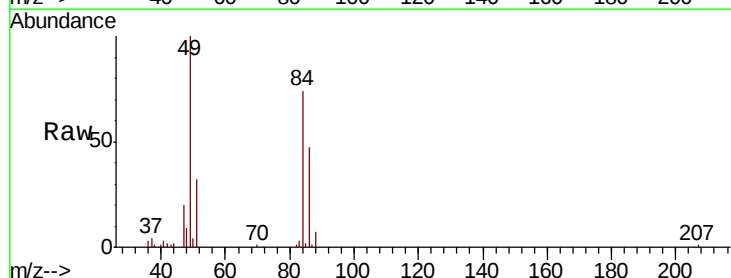
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

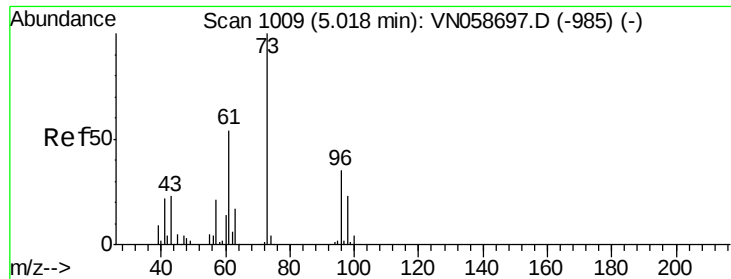
Tot Ion: 73 Resp: 306417
Ion Ratio Lower Upper
73 100
57 22.6 17.0 25.6



#20
Methylene Chloride
Concen: 20.536 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 84 Resp: 104571
Ion Ratio Lower Upper
84 100
49 134.5 107.6 161.4
51 43.4 31.4 47.0
86 63.0 50.3 75.5

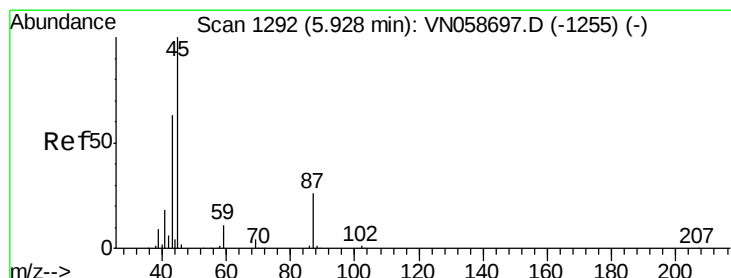
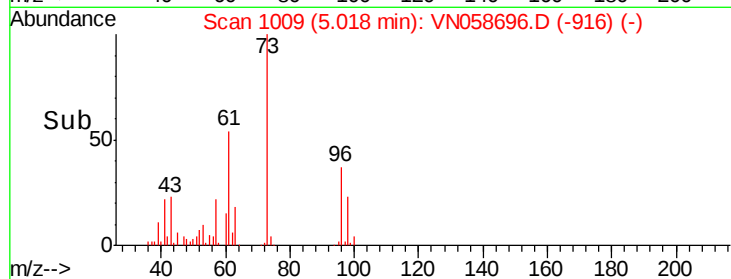
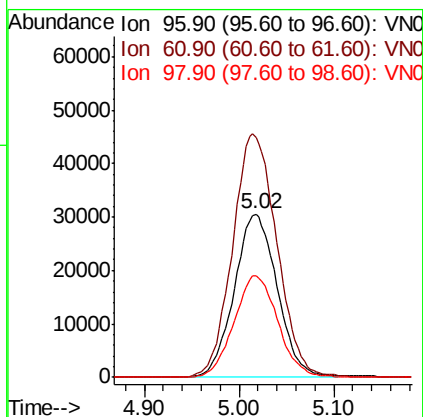
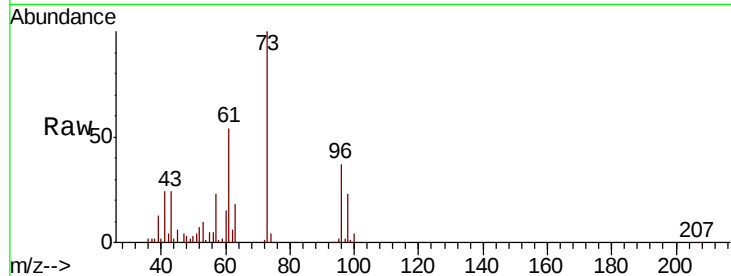




#21
trans-1,2-Dichloroethene
Concen: 20.764 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

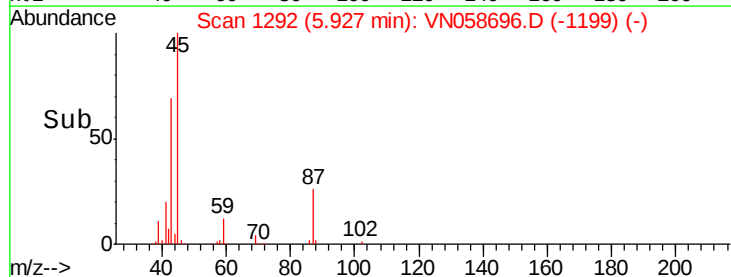
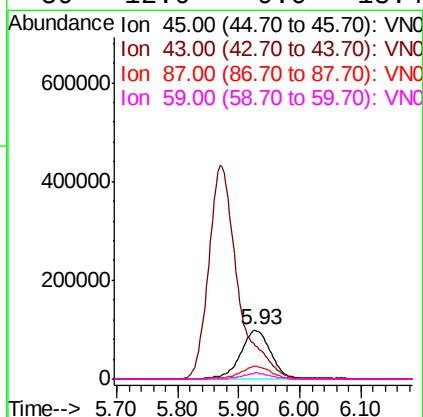
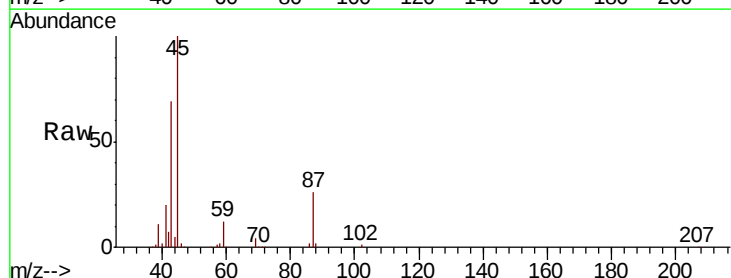
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

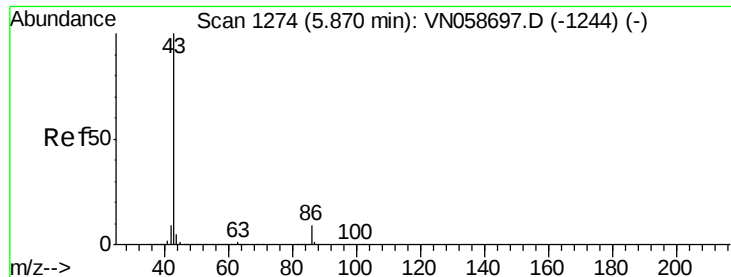
Tot Ion: 96 Resp: 96224
Ion Ratio Lower Upper
96 100
61 145.8 123.6 185.4
98 61.9 52.1 78.1



#22
Diisopropyl ether
Concen: 20.756 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 45 Resp: 339736
Ion Ratio Lower Upper
45 100
43 67.7 50.6 75.8
87 25.7 21.1 31.7
59 12.0 9.0 13.4





#23

Vinyl Acetate

Concen: 115.677 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

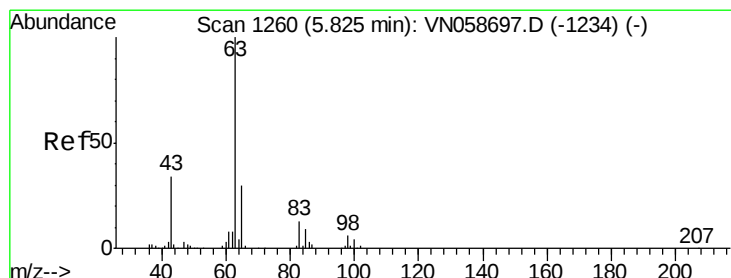
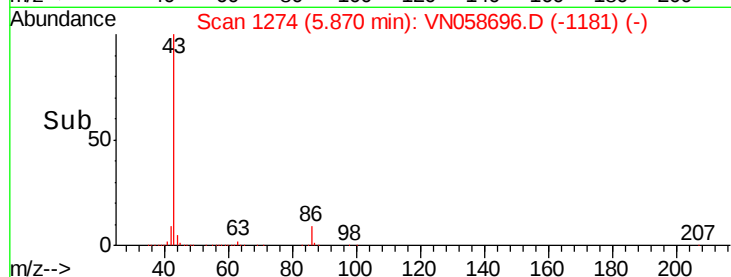
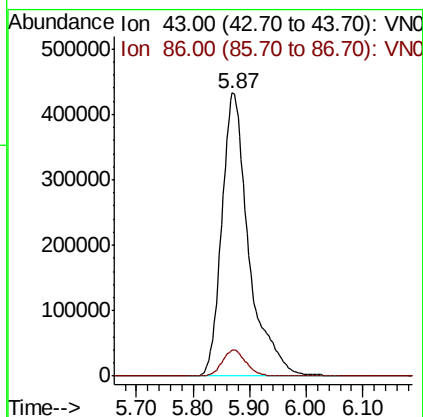
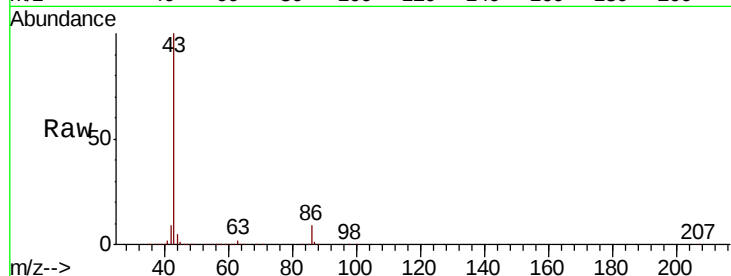
VSTDIC020

Tot Ion: 43 Resp: 1439657

Ion Ratio Lower Upper

43 100

86 9.1 7.4 11.0



#24

1,1-Dichloroethane

Concen: 21.067 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

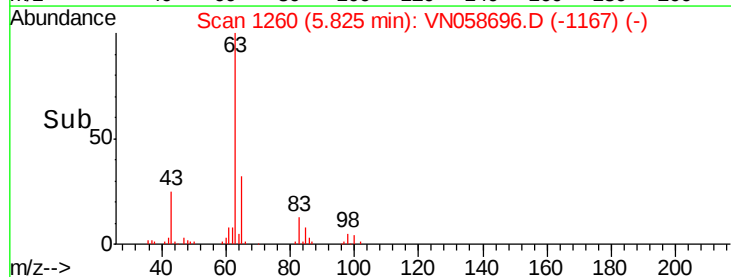
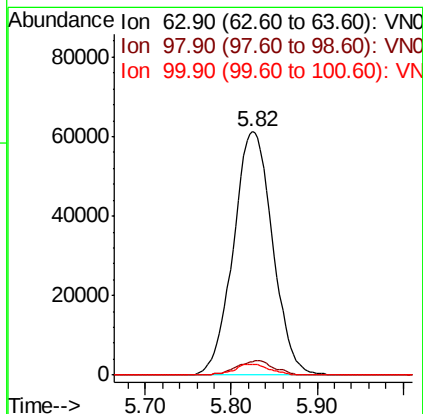
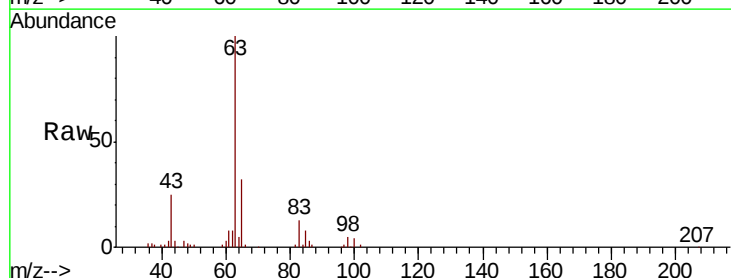
Tgt Ion: 63 Resp: 193696

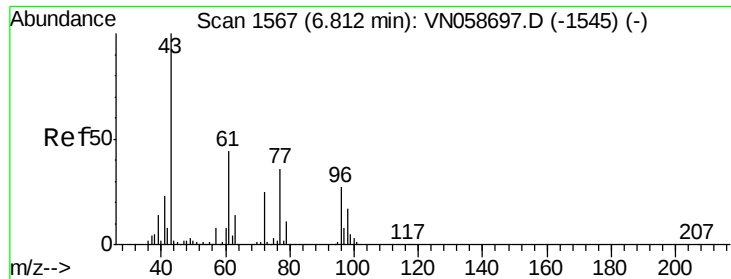
Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 4.2 1.8 5.5





#25

2-Butanone

Concen: 119.167 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

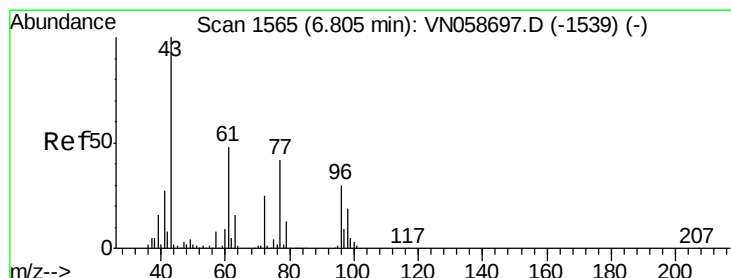
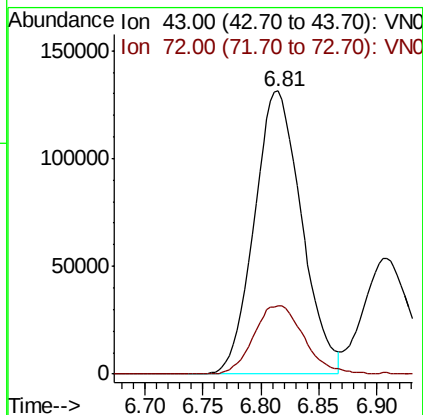
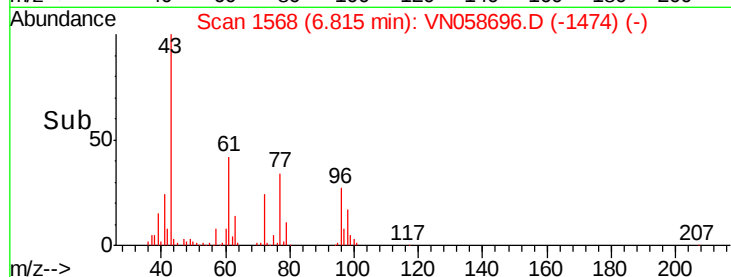
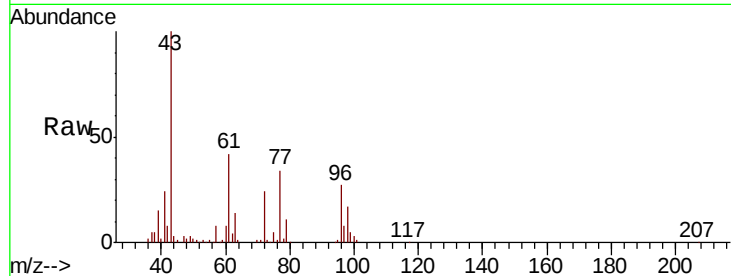
VSTDIC020

Tot Ion: 43 Resp: 371666

Ion Ratio Lower Upper

43 100

72 24.2 20.2 30.2



#26

2,2-Dichloropropane

Concen: 22.478 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058696.D

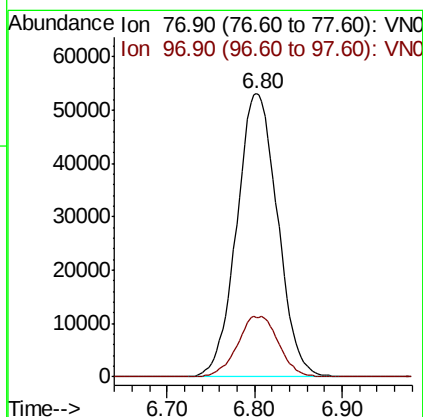
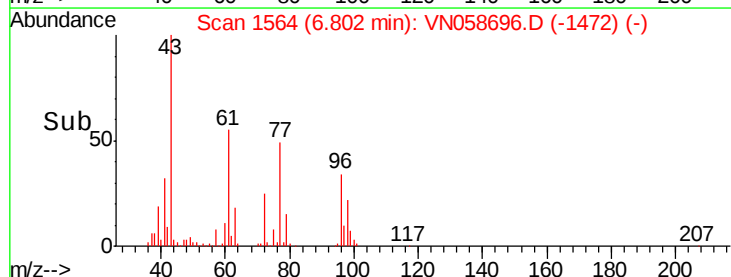
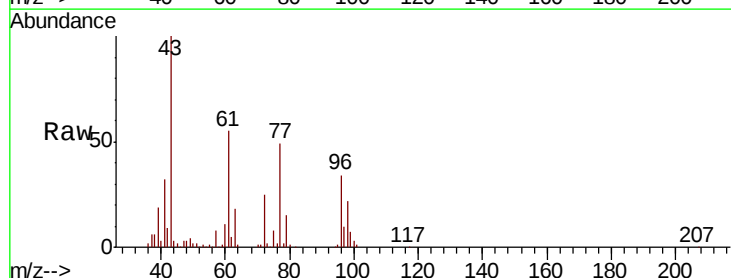
Acq: 11 Oct 2019 12:14

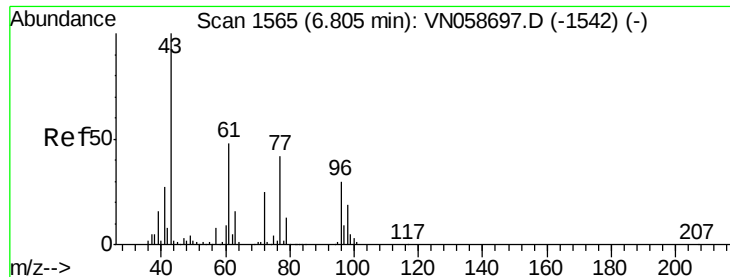
Tgt Ion: 77 Resp: 171577

Ion Ratio Lower Upper

77 100

97 21.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.166 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

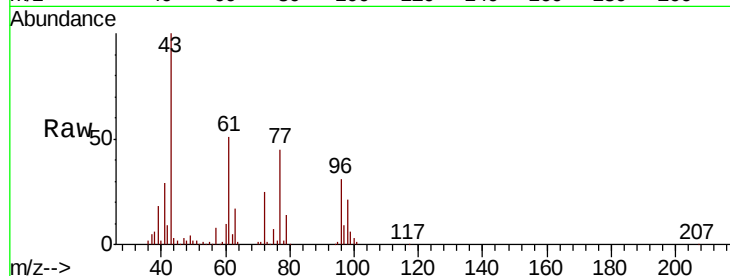
Tot Ion: 96 Resp: 108688

Ion Ratio Lower Upper

96 100

61 163.7 0.0 324.8

98 65.2 0.0 129.2

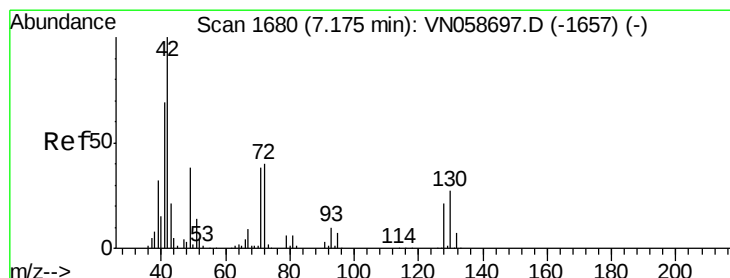
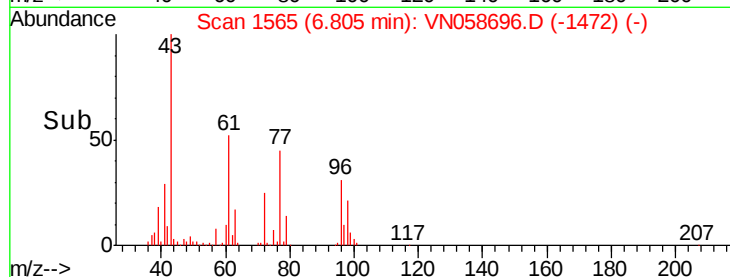
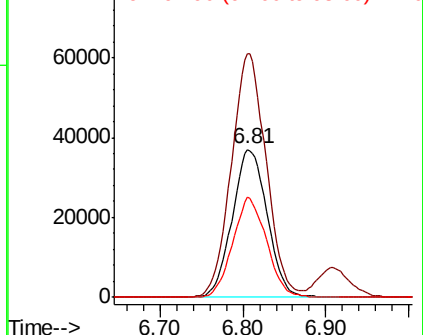


Abundance

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: 18.570 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

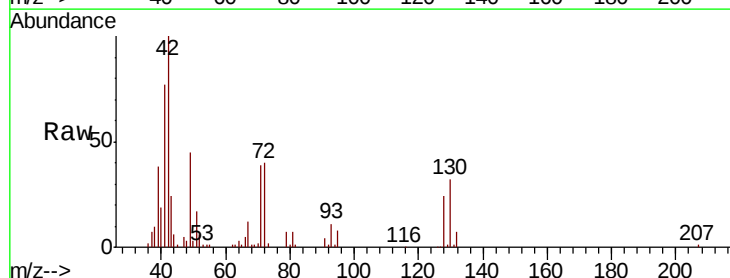
Tgt Ion: 49 Resp: 66480

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.6

130 67.3 55.0 82.4

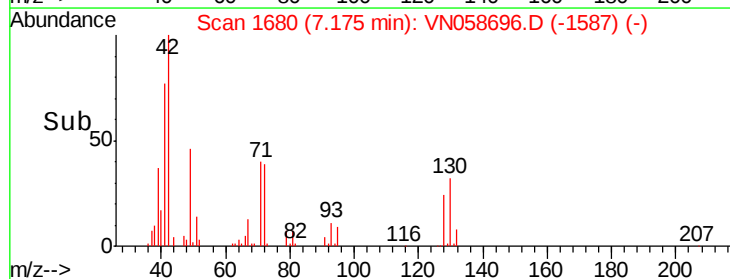
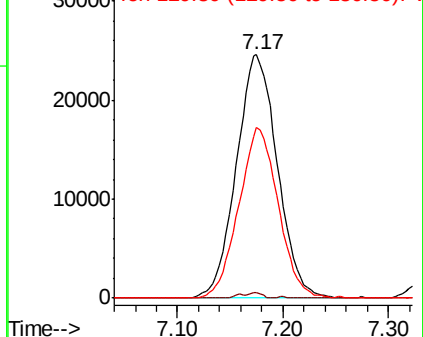


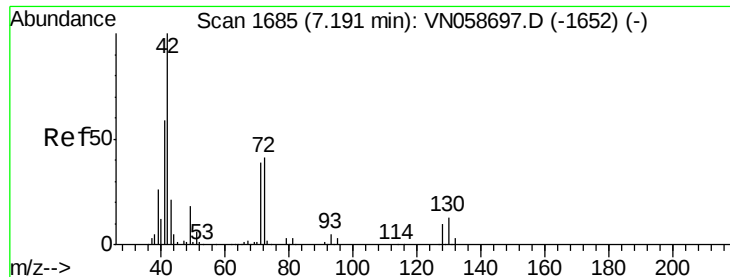
Abundance

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

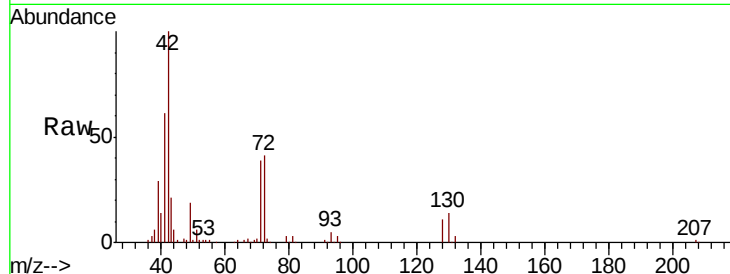




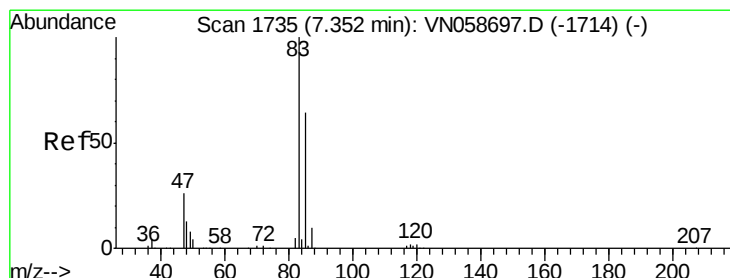
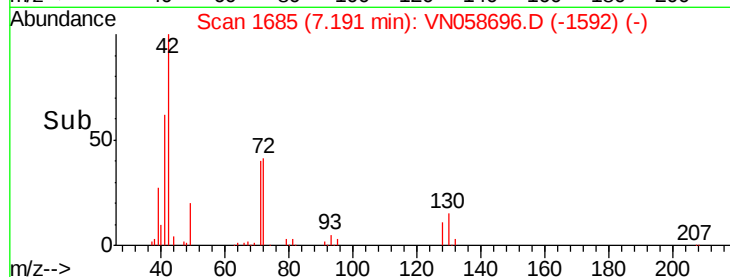
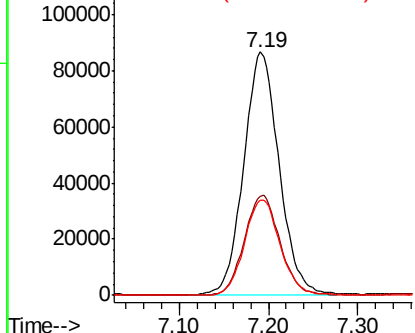
#29
Tetrahydrofuran
Concen: 120.087 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.8	49.2
71	39.8	31.1	46.7

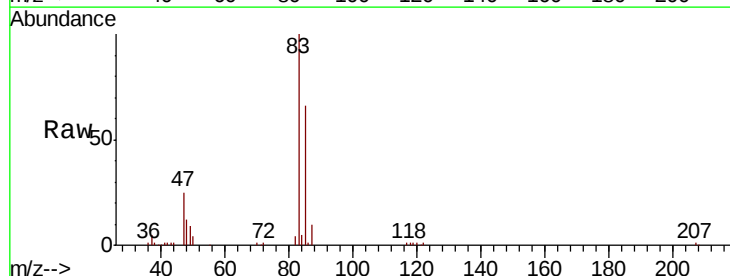


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

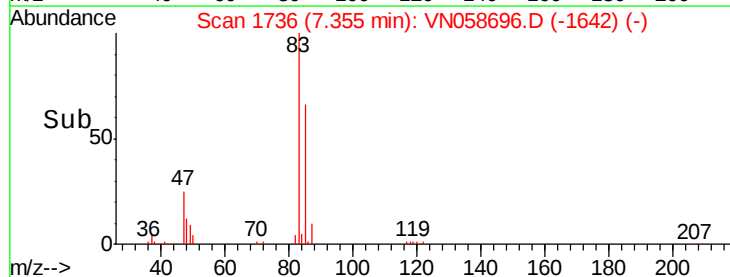
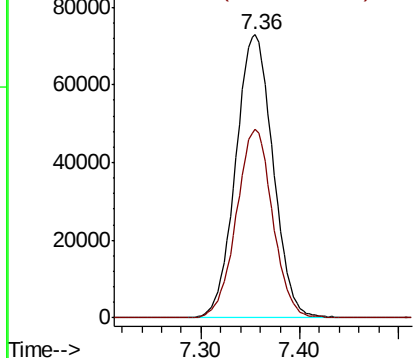


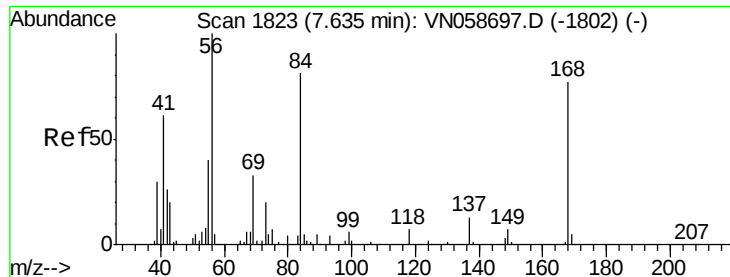
#30
Chloroform
Concen: 20.563 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.0	76.6



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

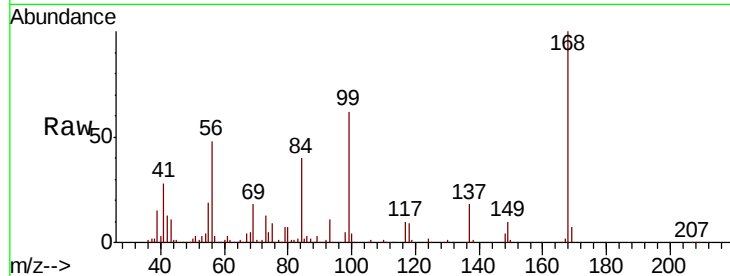




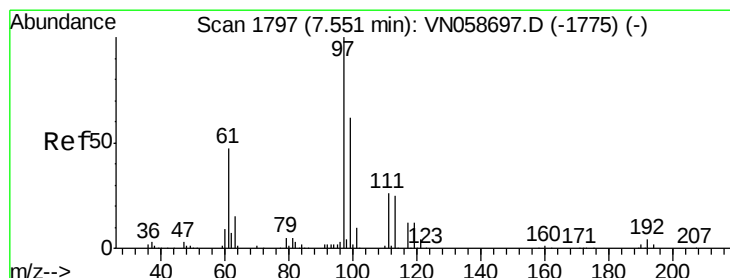
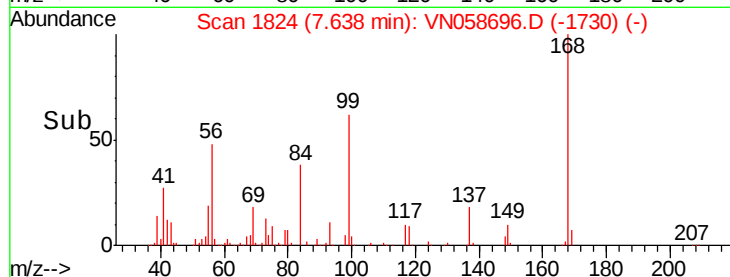
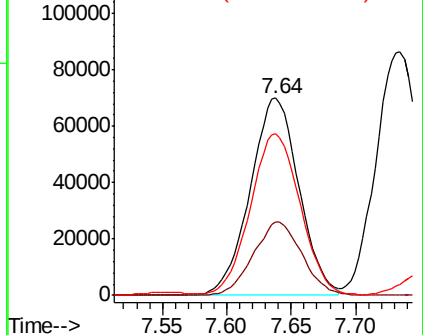
#31
Cyclohexane
Concen: 20.653 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 184192
Ion Ratio Lower Upper
56 100
69 37.3 26.2 39.4
84 81.0 64.9 97.3

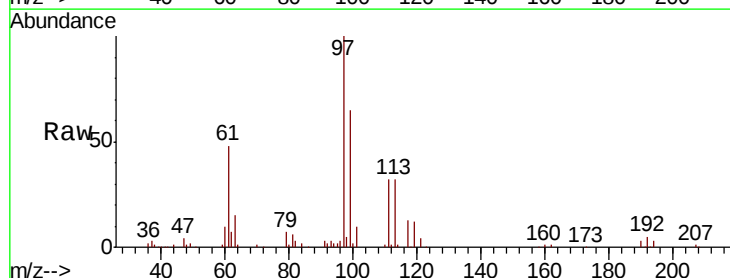


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

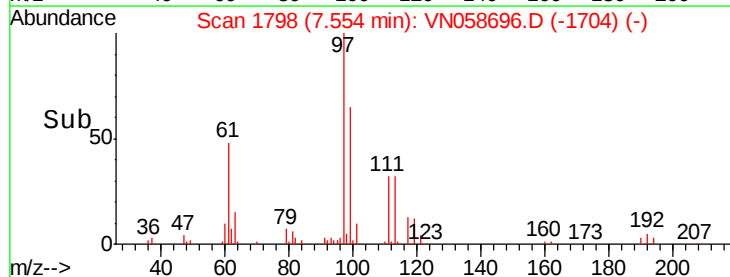
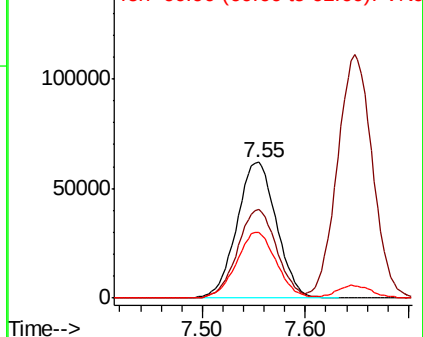


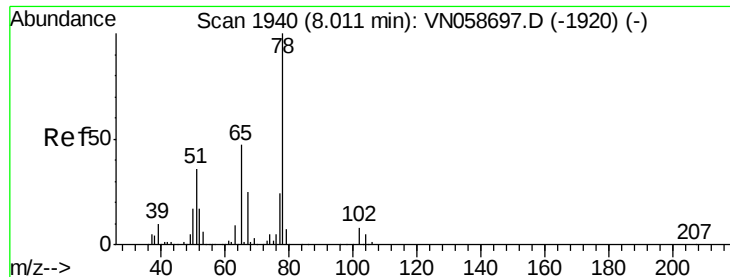
#32
1,1,1-Trichloroethane
Concen: 21.565 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 97 Resp: 165538
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 48.5 38.1 57.1



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





#33

1,2-Dichloroethane-d4

Concen: 20.757 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

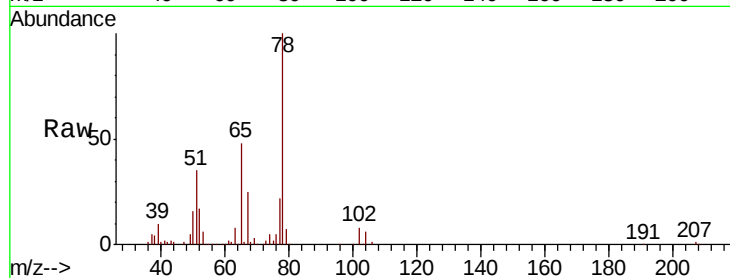
VSTDIC020

Tot Ion: 65 Resp: 132461

Ion Ratio Lower Upper

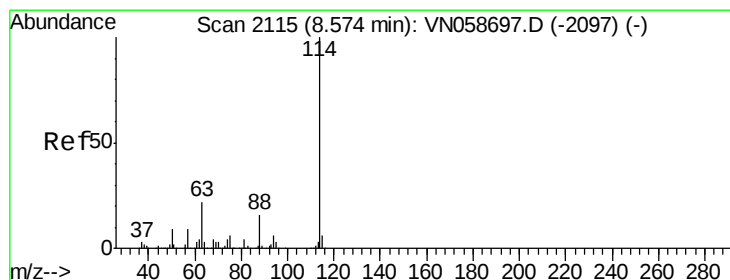
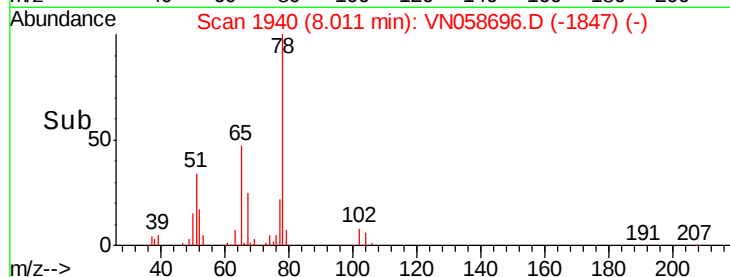
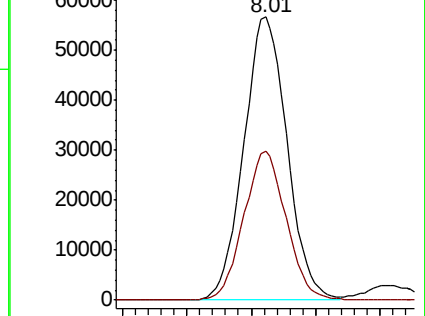
65 100

67 51.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058697.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN058697.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

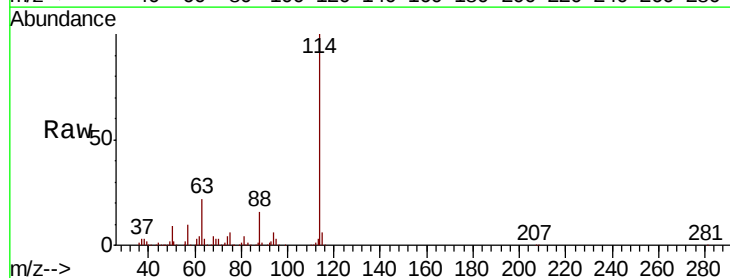
Tgt Ion: 114 Resp: 714892

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

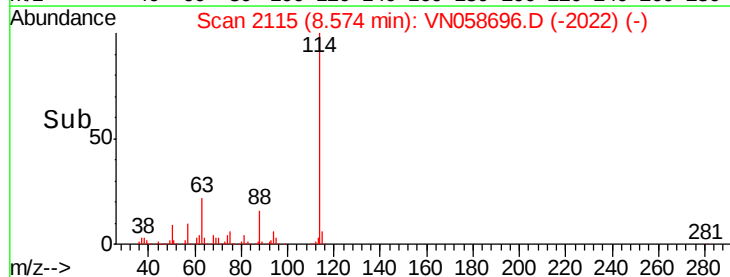
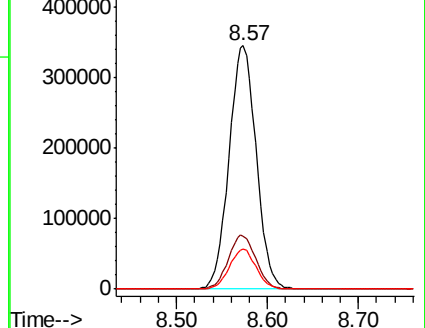
88 16.5 0.0 32.0

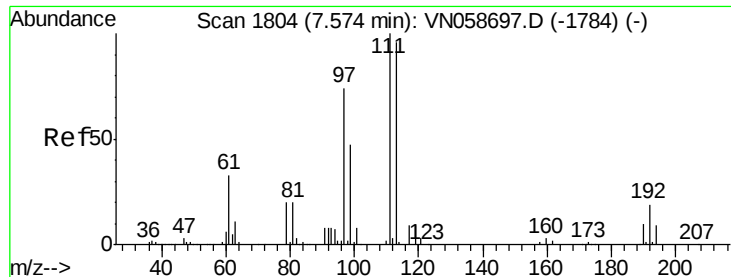


Abundance Ion 113.90 (113.60 to 114.60): VN058697.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058697.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058697.D (-2097) (-)

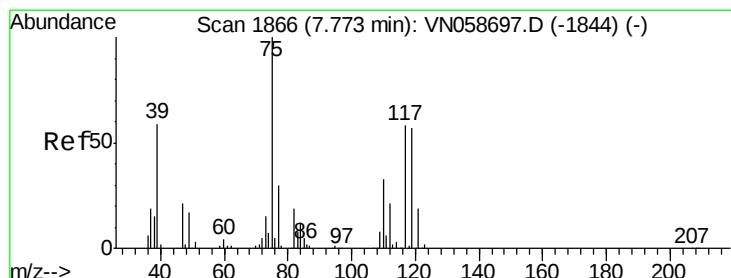
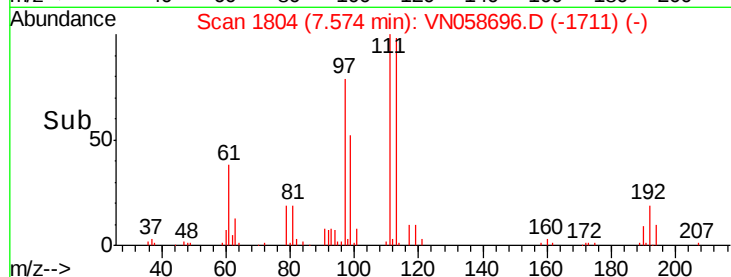
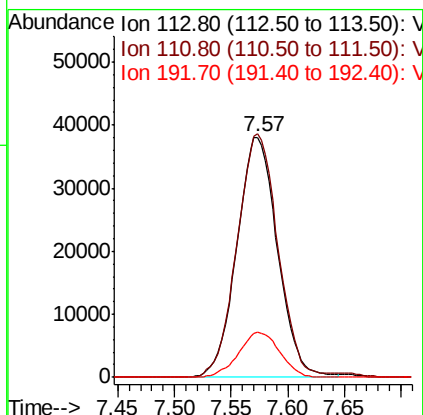
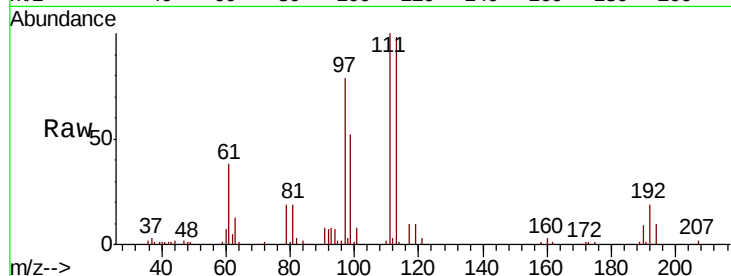




#35
Dibromofluoromethane
Concen: 21.748 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

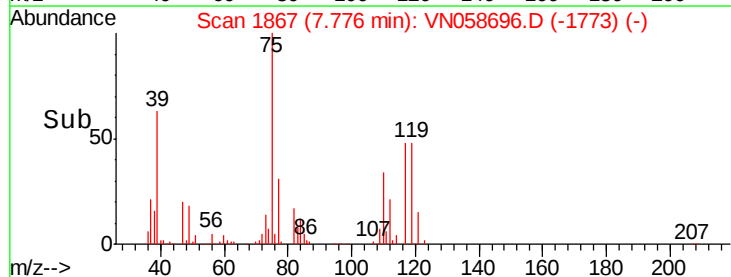
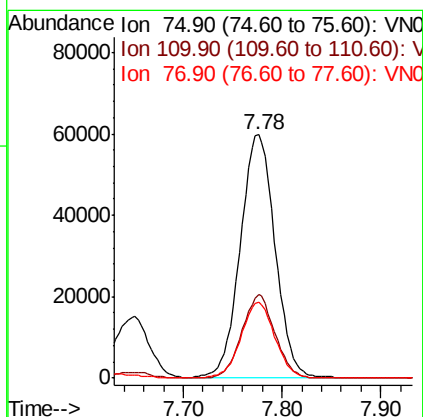
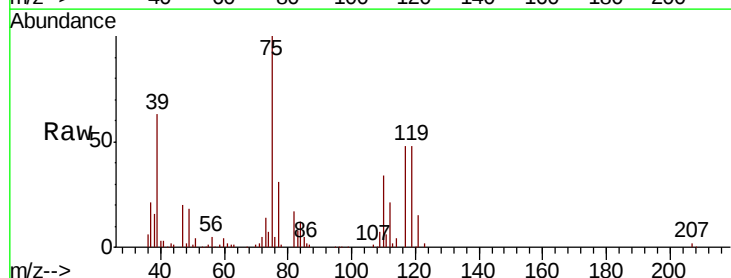
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

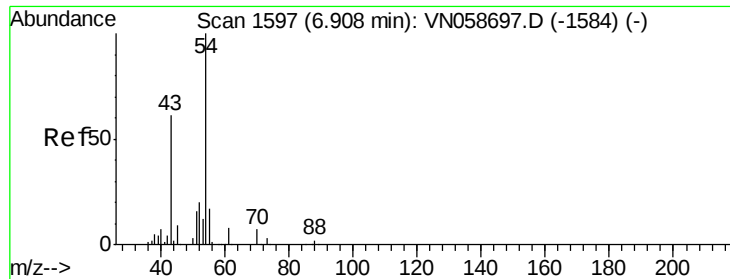
Tot Ion:113 Resp: 95097
Ion Ratio Lower Upper
113 100
111 102.0 82.3 123.5
192 18.9 15.0 22.6



#36
1,1-Dichloropropene
Concen: 21.309 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 75 Resp: 146516
Ion Ratio Lower Upper
75 100
110 32.3 16.6 49.8
77 30.3 24.6 37.0

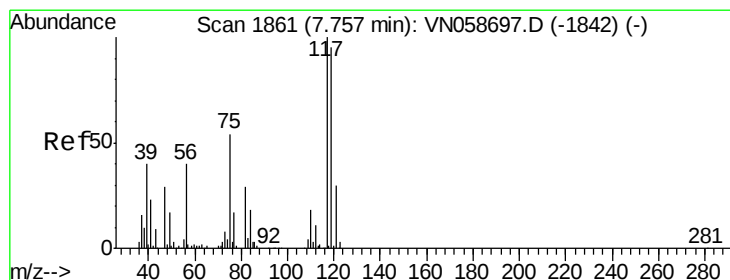
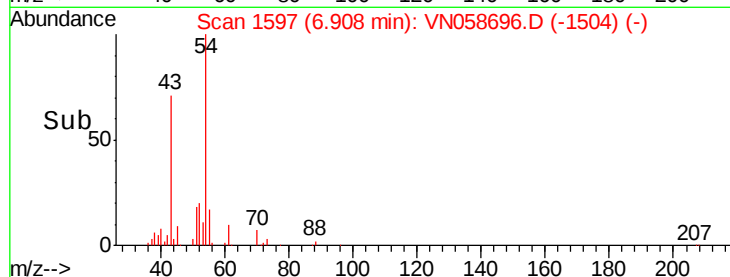
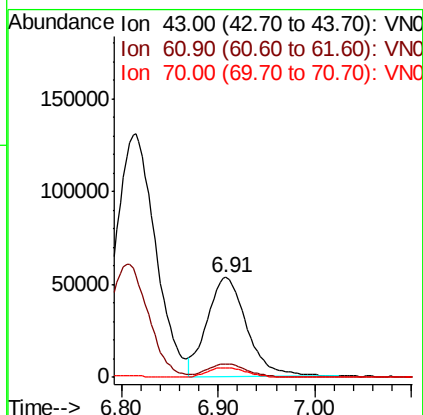
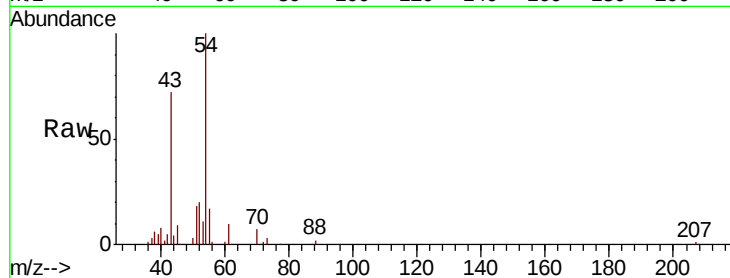




#37
Ethyl Acetate
Concen: 25.265 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

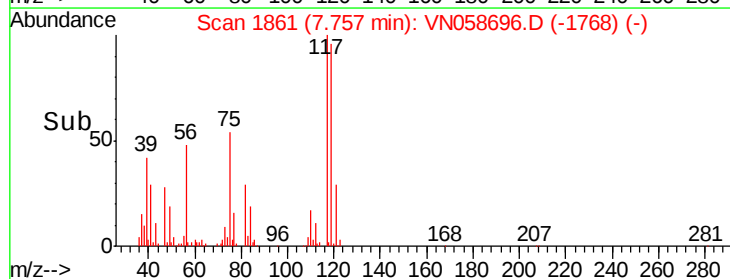
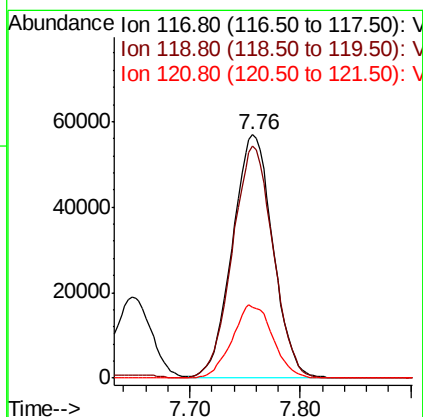
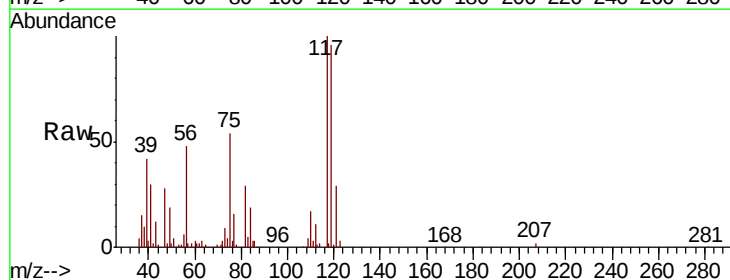
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 152468
Ion Ratio Lower Upper
43 100
61 13.0 11.3 16.9
70 9.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 23.078 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 117 Resp: 145134
Ion Ratio Lower Upper
117 100
119 95.3 75.7 113.5
121 29.2 23.9 35.9

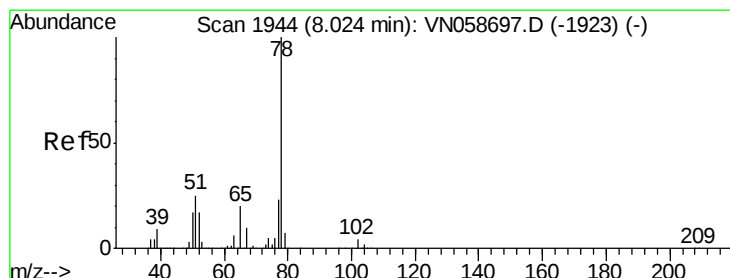
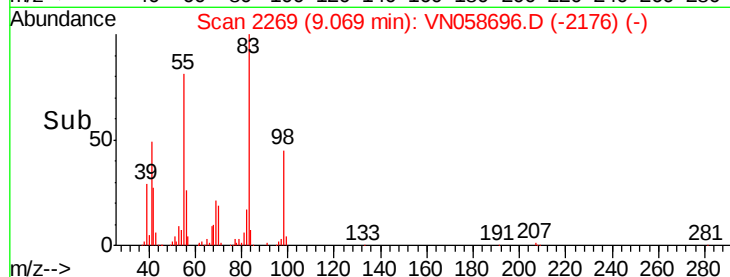
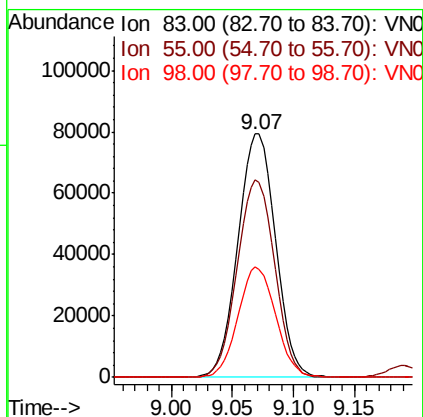
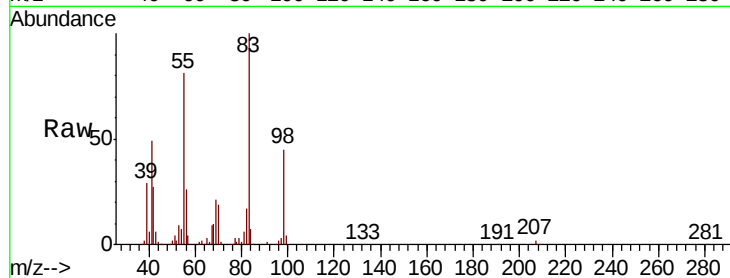




#39
Methvlcvclohexane
Concen: 21.033 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

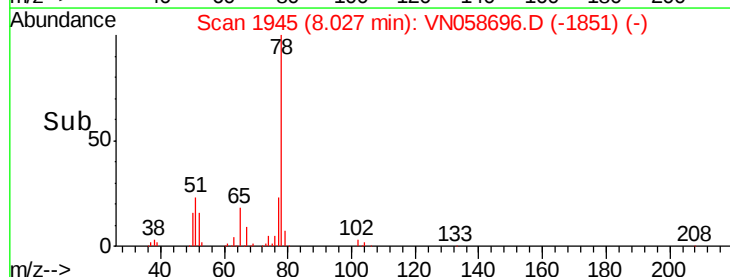
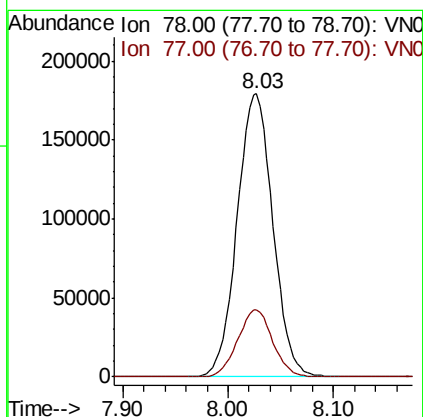
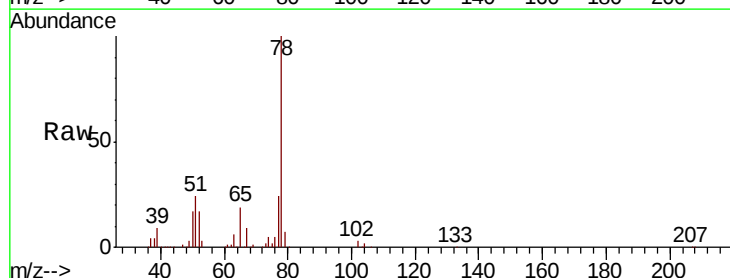
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

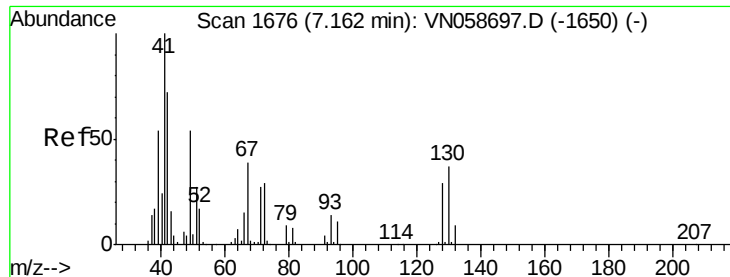
Tot Ion: 83 Resp: 169352
Ion Ratio Lower Upper
83 100
55 81.1 63.4 95.0
98 45.5 35.1 52.7



#40
Benzene
Concen: 21.339 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 78 Resp: 421510
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

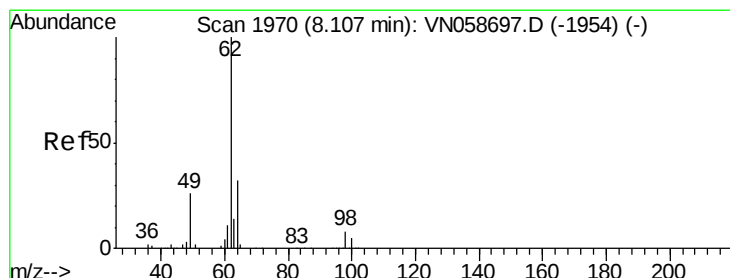
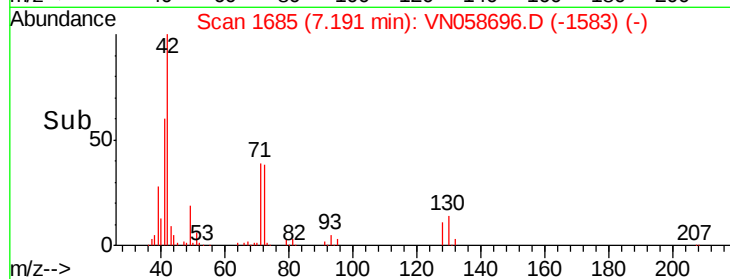
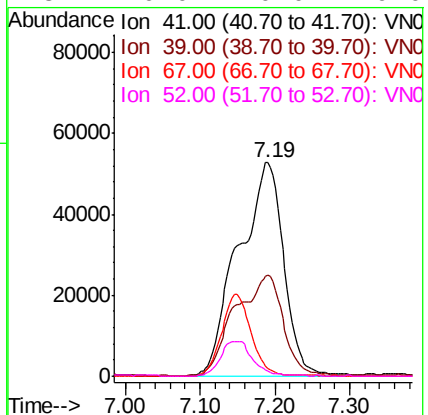
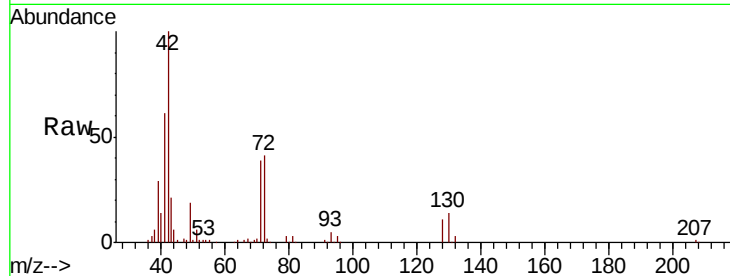




#41
Methacrylonitrile
Concen: 78.679 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

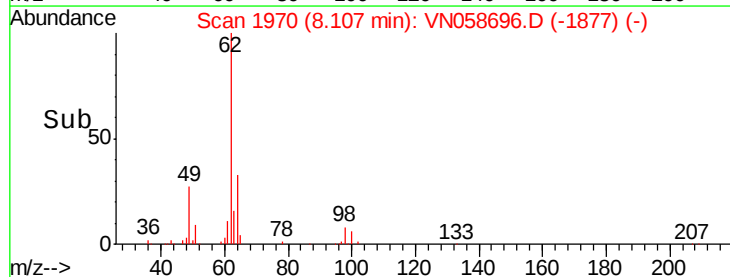
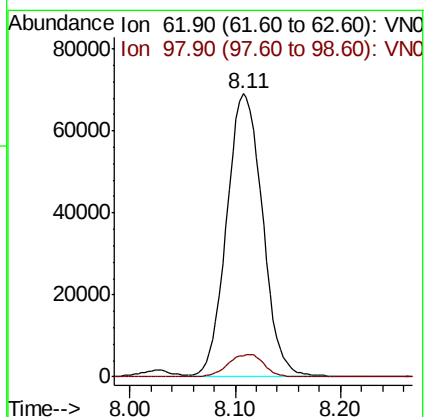
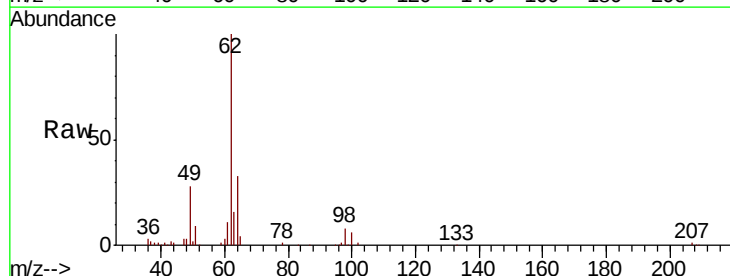
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 222637
Ion Ratio Lower Upper
41 100
39 0.0 115.4 173.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 21.240 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 62 Resp: 163158
Ion Ratio Lower Upper
62 100
98 8.0 0.0 15.8



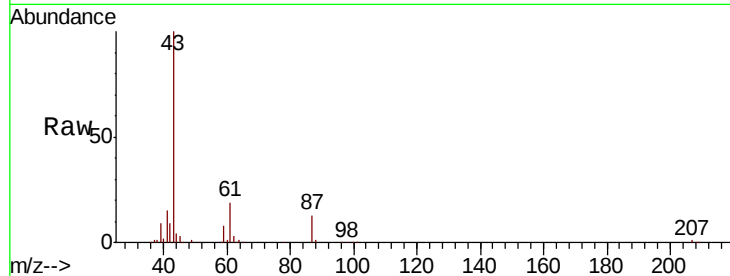


#43

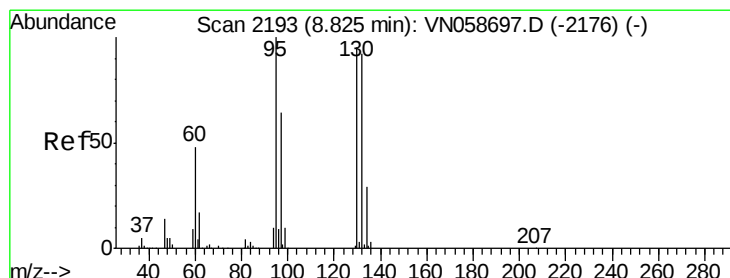
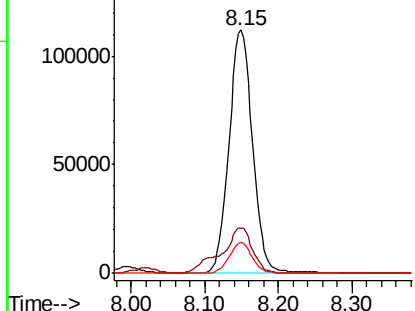
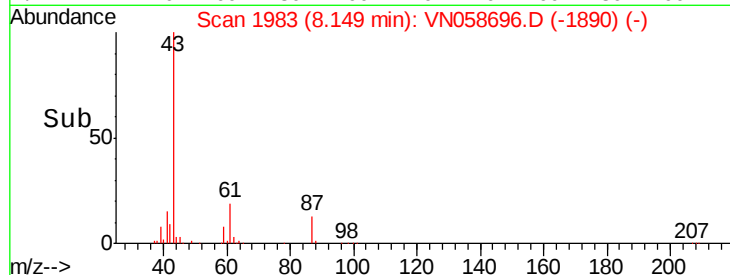
Isopropyl Acetate
 Concen: 22.073 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	246706
Ion Ratio	Lower	Upper	
43	100		
61	24.9	20.3	30.5
87	12.3	9.8	14.6



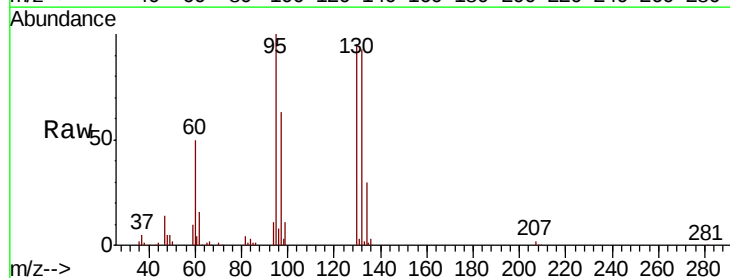
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



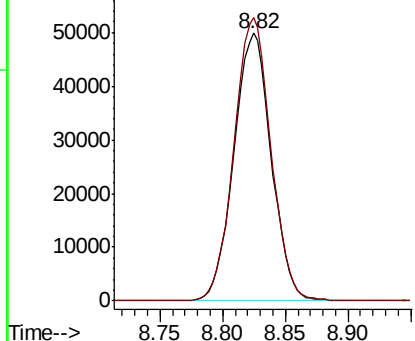
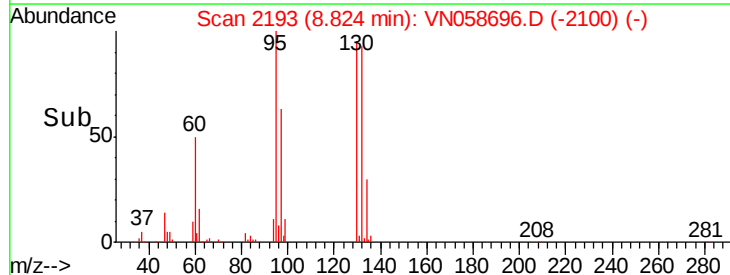
#44

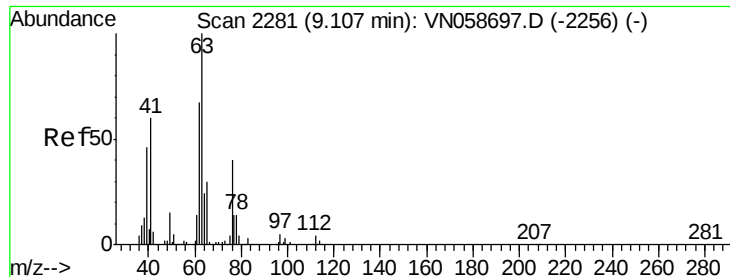
Trichloroethene
 Concen: 21.256 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	130	Resp	103524
Ion Ratio	Lower	Upper	
130	100		
95	105.8	0.0	211.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.311 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

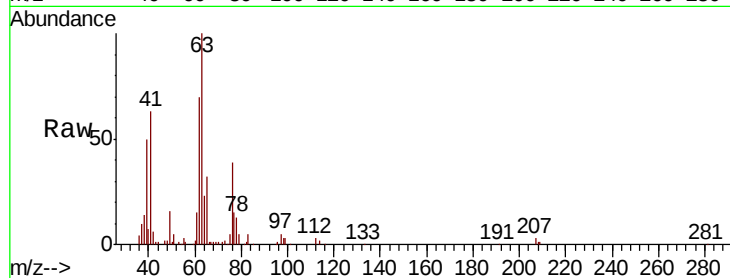
VSTDIC020

Tot Ion: 63 Resp: 113014

Ion Ratio Lower Upper

63 100

65 32.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN058697.D (-2256) (-)

9.11

60000

50000

40000

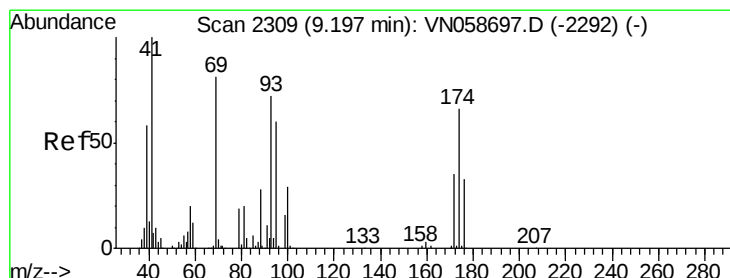
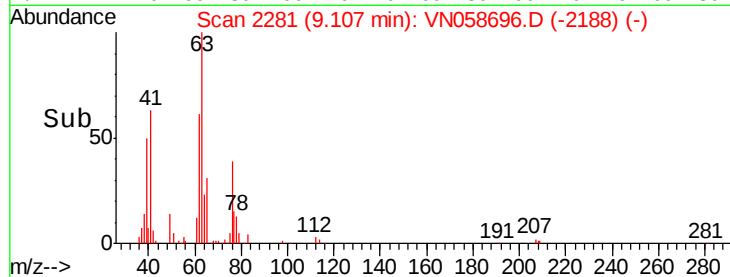
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 21.374 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

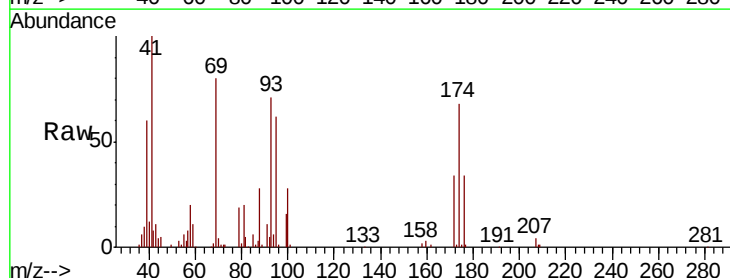
Tgt Ion: 93 Resp: 71936

Ion Ratio Lower Upper

93 100

95 85.7 66.6 100.0

174 93.4 75.2 112.8



Abundance Ion 92.80 (92.50 to 93.50): VN058697.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN058697.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN058697.D (-2292) (-)

9.20

40000

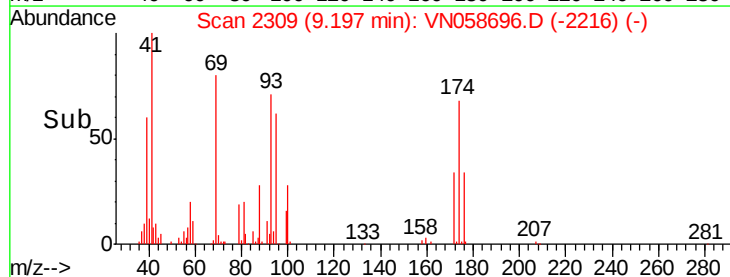
30000

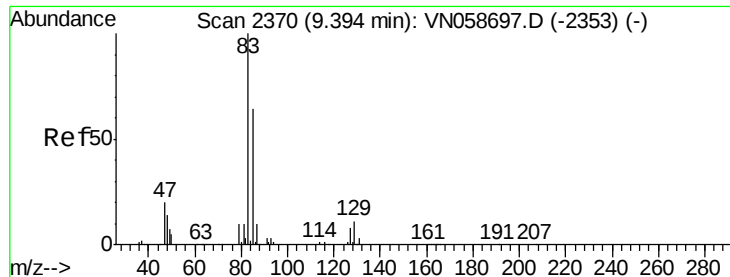
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 22.423 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

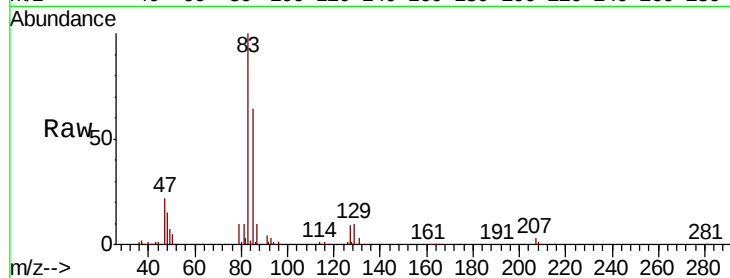
Tot Ion: 83 Resp: 144118

Ion Ratio Lower Upper

83 100

85 64.0 50.9 76.3

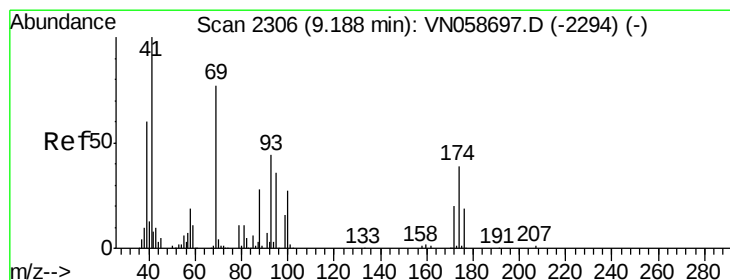
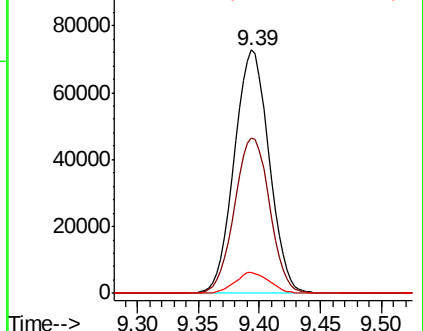
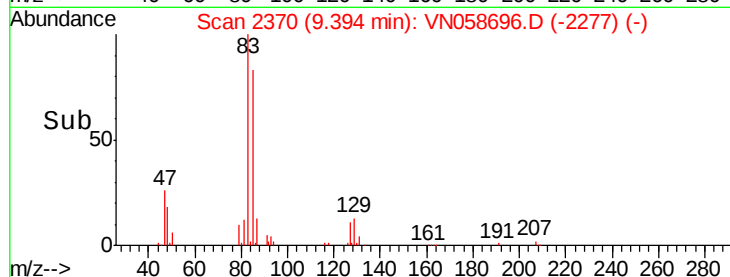
127 8.7 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058696.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058696.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058696.D (-2277) (-)



#48

Methyl methacrylate

Concen: 22.216 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

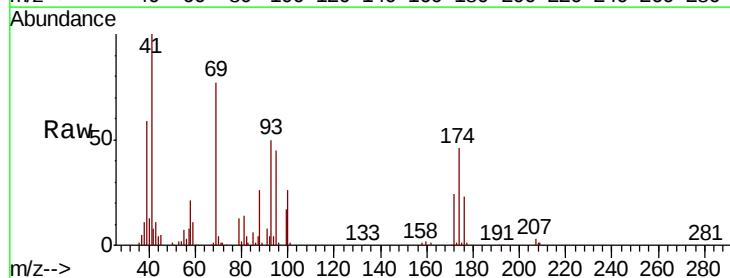
Tgt Ion: 41 Resp: 112819

Ion Ratio Lower Upper

41 100

69 80.6 63.4 95.2

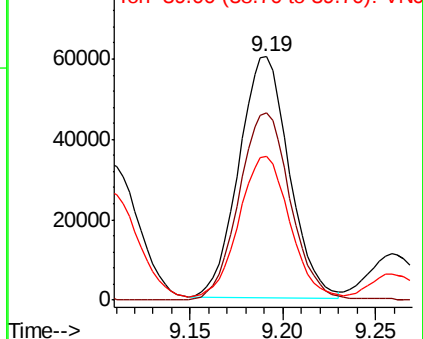
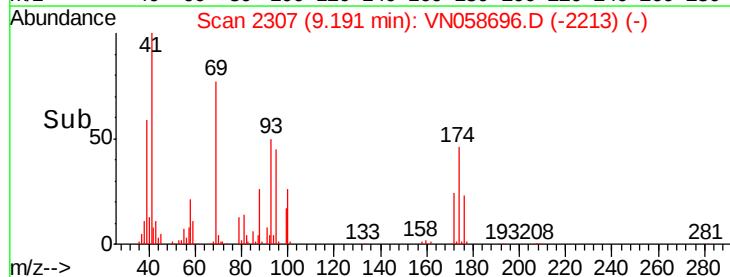
39 61.3 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VN058696.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058696.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058696.D (-2213) (-)





#49

1,4-Dioxane

Concen: 506.858 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

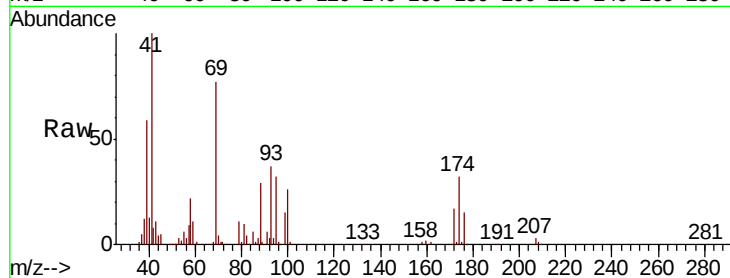
Tot Ion: 88 Resp: 35014

Ion Ratio Lower Upper

88 100

43 37.1 28.6 43.0

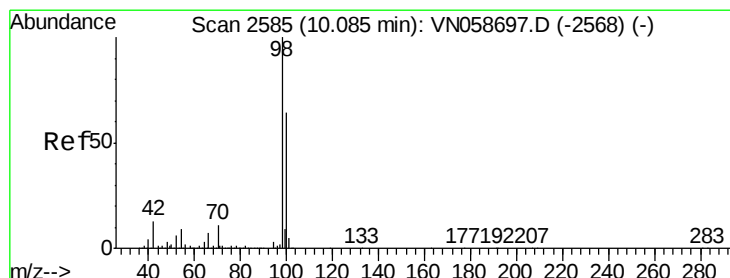
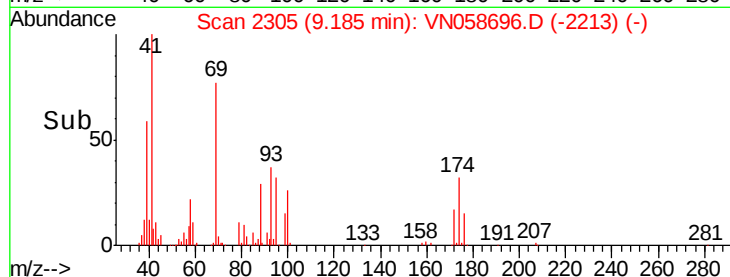
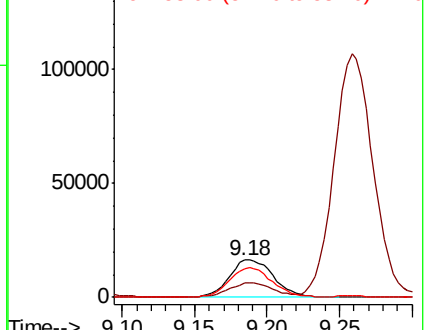
58 76.3 57.2 85.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 21.882 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058696.D

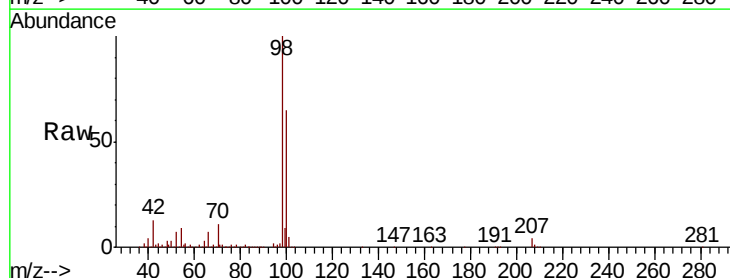
Acq: 11 Oct 2019 12:14

Tgt Ion: 98 Resp: 375967

Ion Ratio Lower Upper

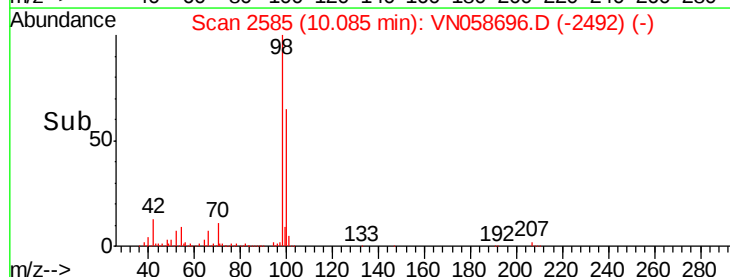
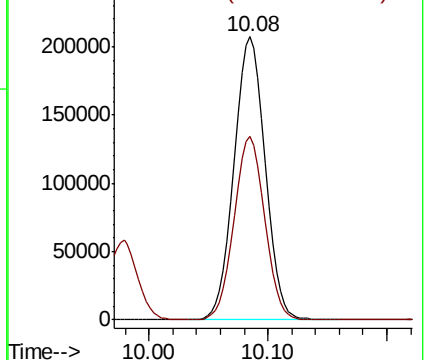
98 100

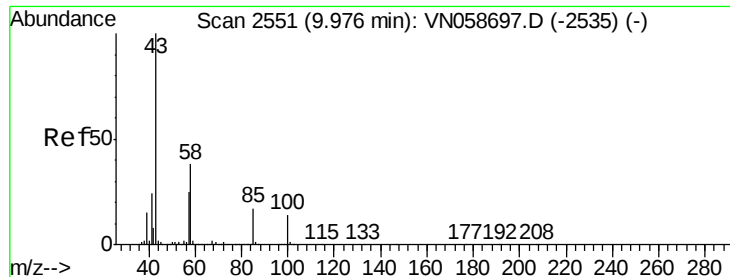
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 129.231 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

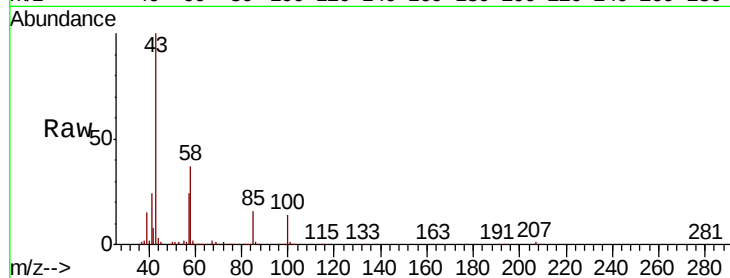
VSTDIC020

Tot Ion: 43 Resp: 756463

Ion Ratio Lower Upper

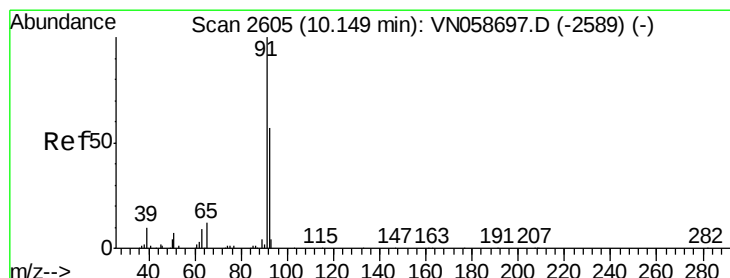
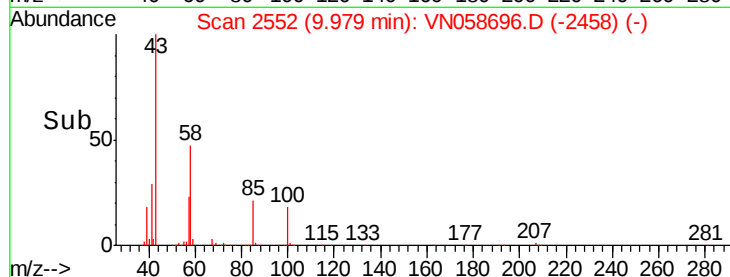
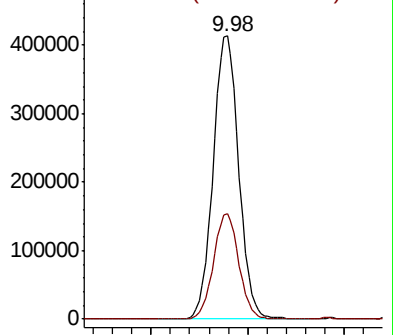
43 100

58 36.9 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D

Ion 58.00 (57.70 to 58.70): VN058697.D



#52

Toluene

Concen: 20.466 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058696.D

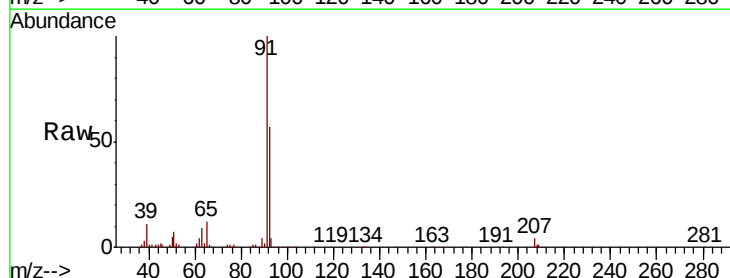
Acq: 11 Oct 2019 12:14

Tgt Ion: 92 Resp: 254921

Ion Ratio Lower Upper

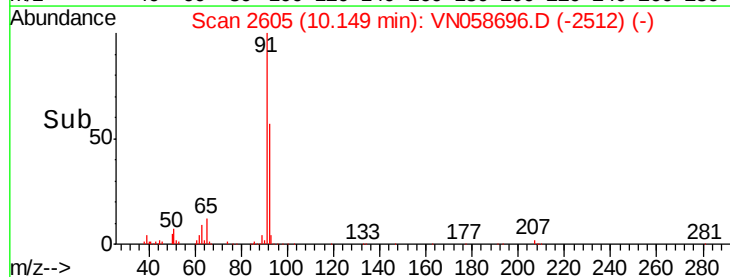
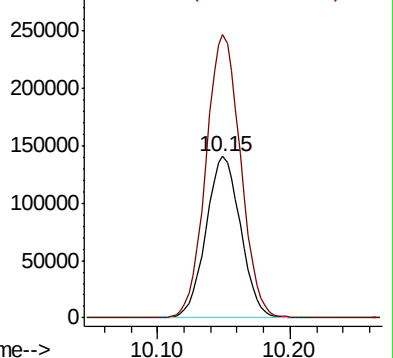
92 100

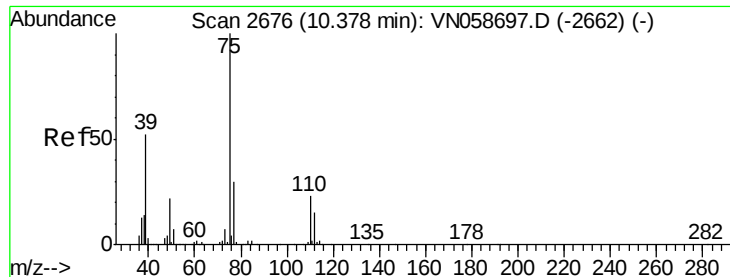
91 176.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D

Ion 91.00 (90.70 to 91.70): VN058697.D





#53

t-1,3-Dichloropropene

Concen: 23.394 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

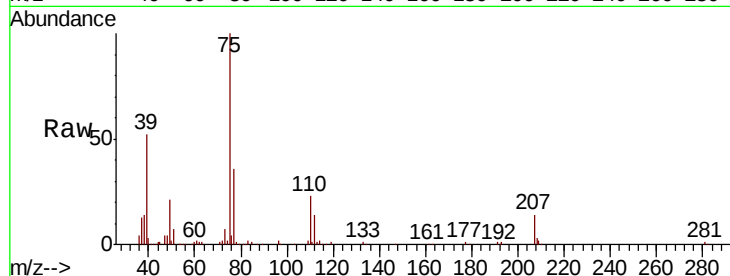
VSTDIC020

Tot Ion: 75 Resp: 164149

Ion Ratio Lower Upper

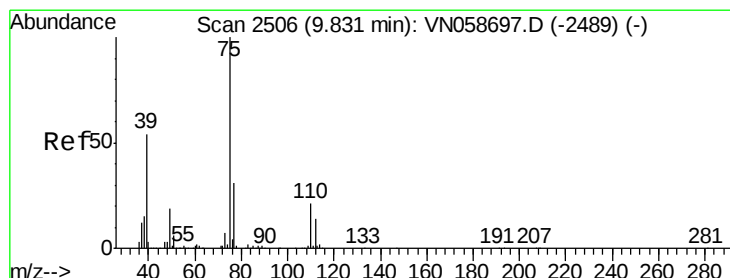
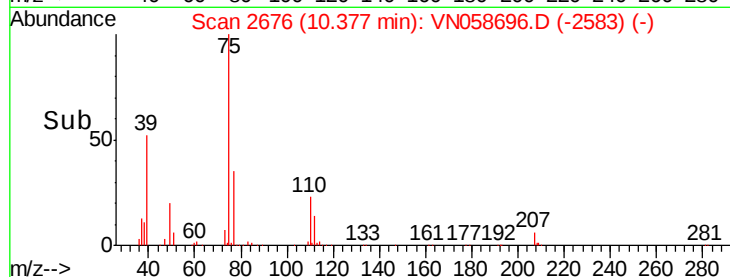
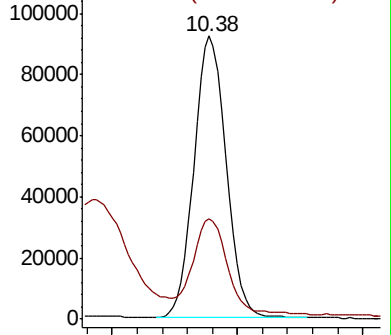
75 100

77 33.9 26.2 39.4



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: 23.054 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

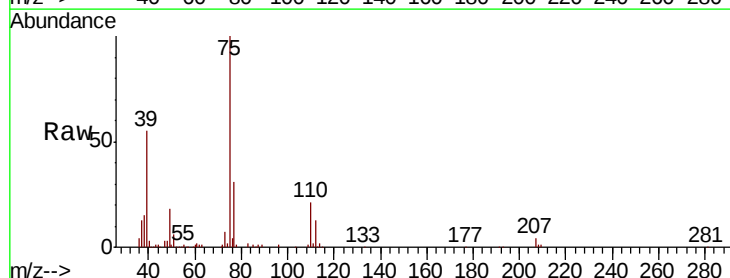
Tgt Ion: 75 Resp: 178485

Ion Ratio Lower Upper

75 100

77 31.2 24.4 36.6

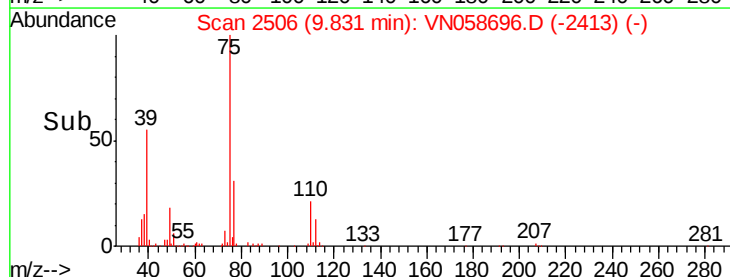
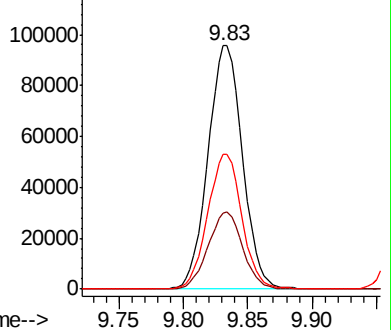
39 55.4 43.1 64.7



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

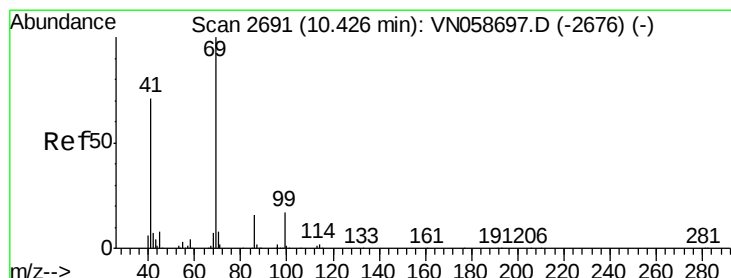
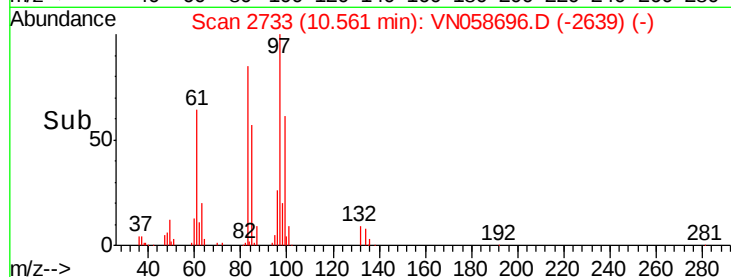
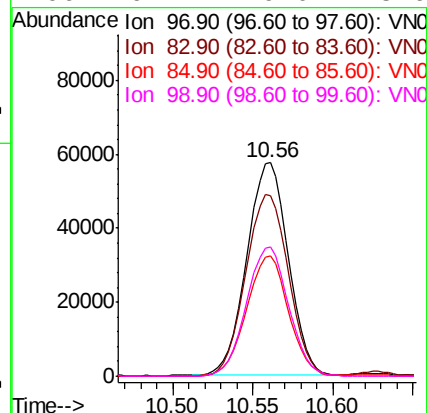
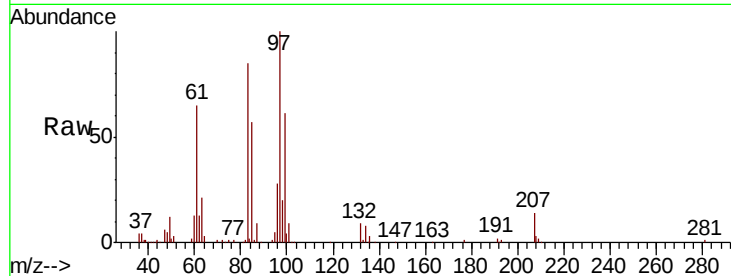




#55
 1,1,2-Trichloroethane
 Concen: 22.312 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

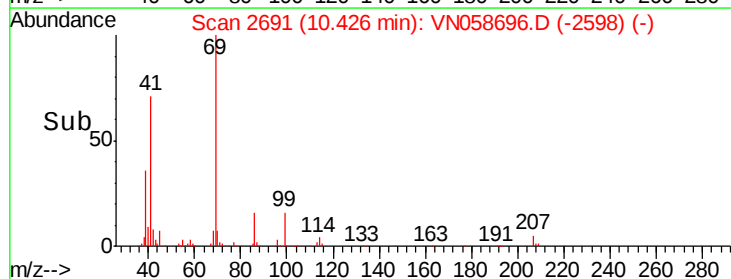
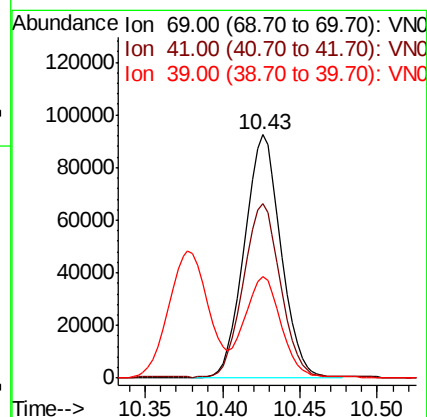
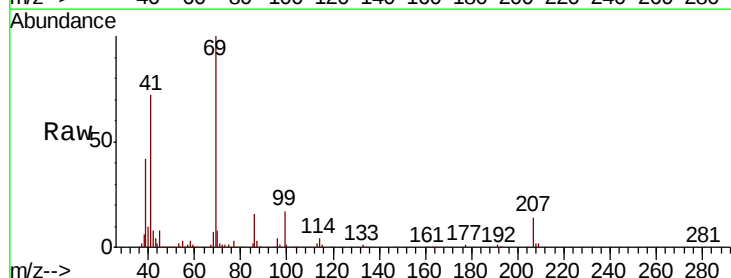
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

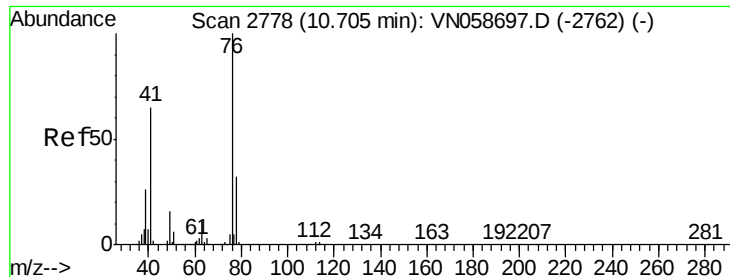
Tot Ion:	97	Resp:	101526
Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.2	106.8
85	56.8	46.7	70.1
99	61.1	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 21.925 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion:	69	Resp:	152466
Ion	Ratio	Lower	Upper
69	100		
41	72.3	56.8	85.2
39	40.8	32.5	48.7





#57

1,3-Dichloropropane

Concen: 22.131 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

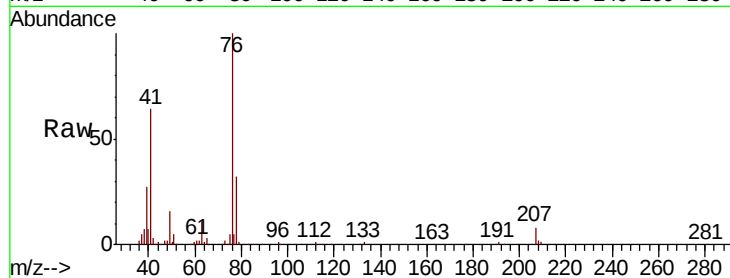
VSTDIC020

Tot Ion: 76 Resp: 179735

Ion Ratio Lower Upper

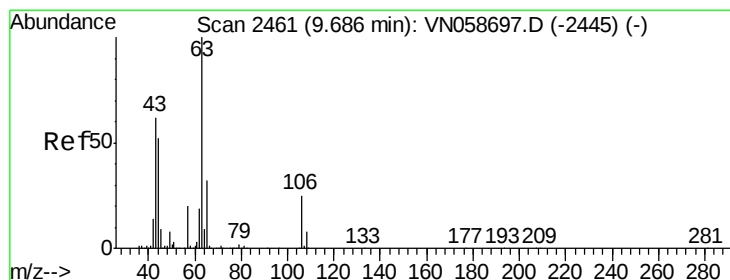
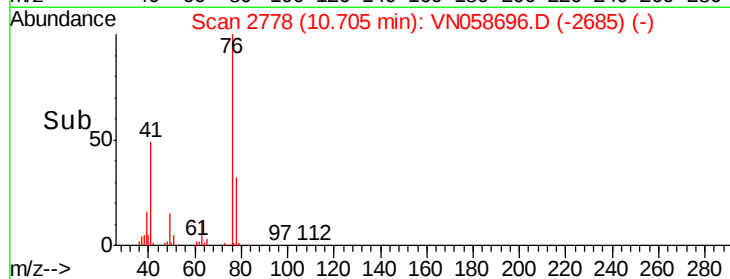
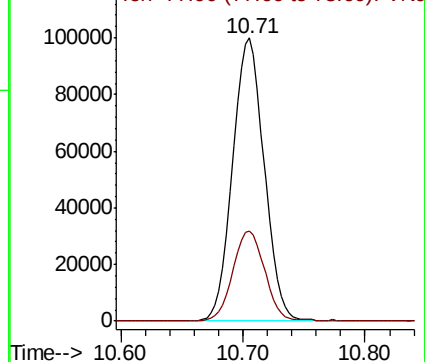
76 100

78 32.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 130.096 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058696.D

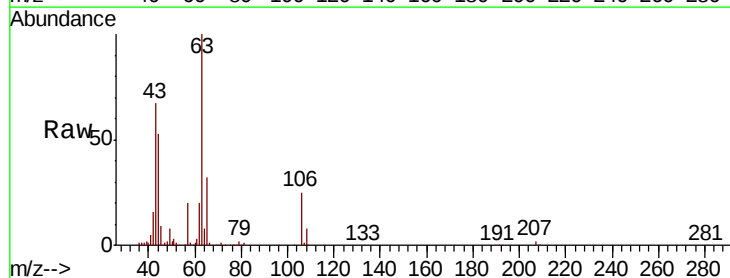
Acq: 11 Oct 2019 12:14

Tgt Ion: 63 Resp: 374351

Ion Ratio Lower Upper

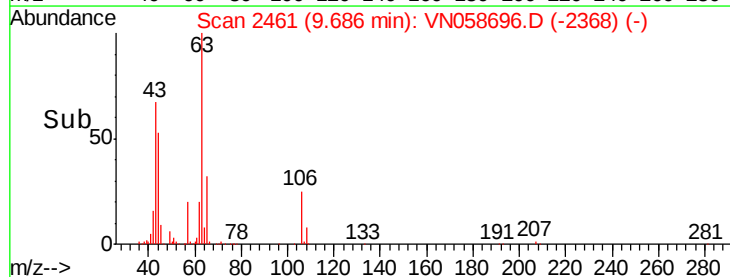
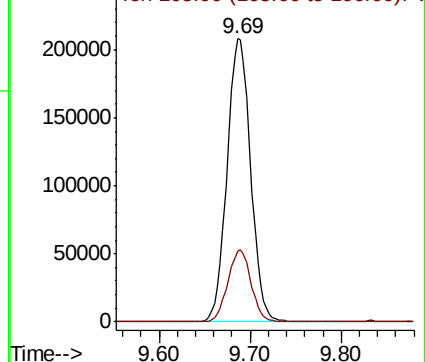
63 100

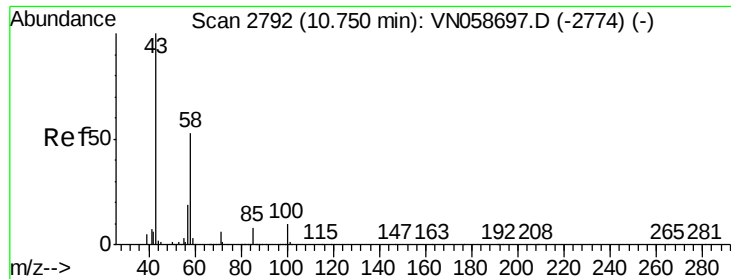
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

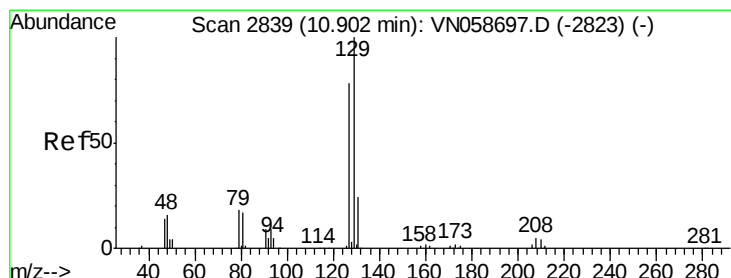
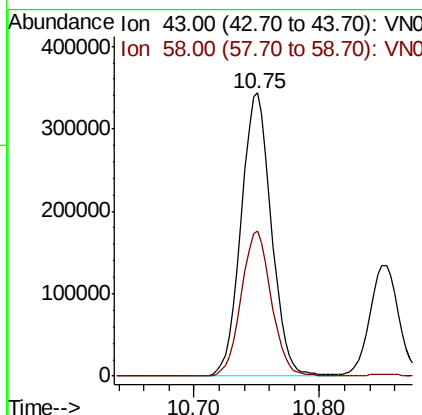
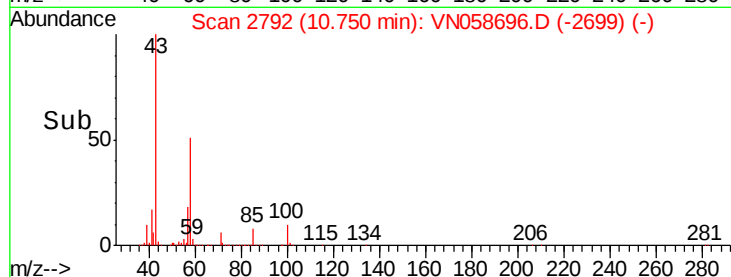
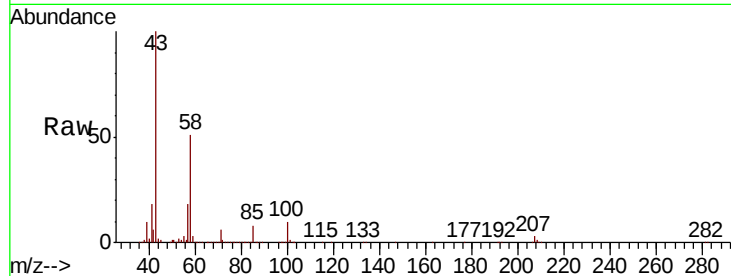




#59
2-Hexanone
Concen: 133.671 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

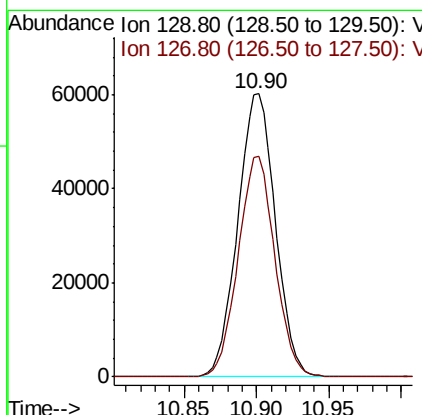
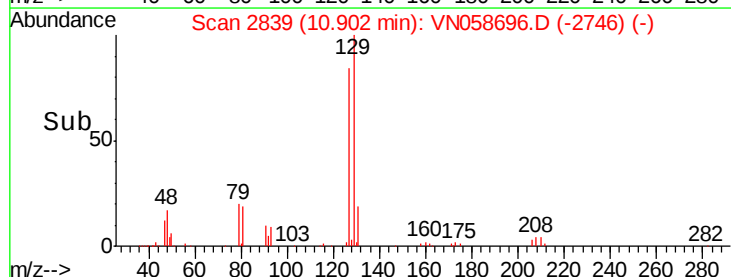
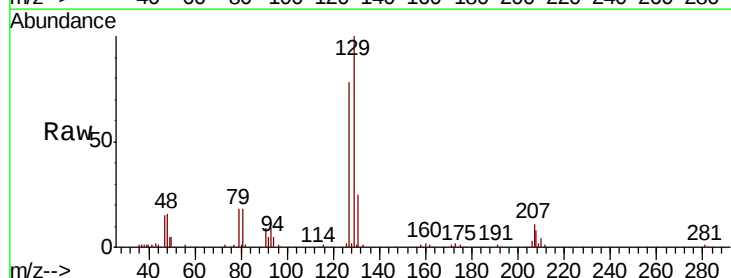
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

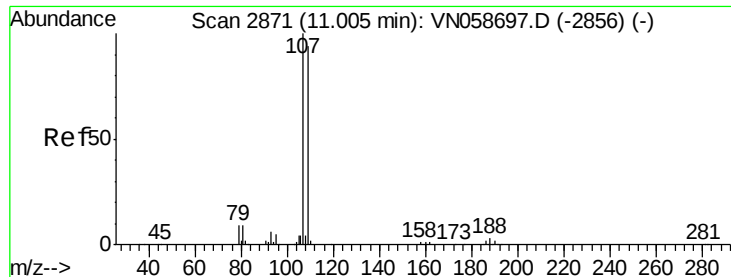
Tot Ion: 43 Resp: 576146
Ion Ratio Lower Upper
43 100
58 51.0 26.1 78.3



#60
Dibromochloromethane
Concen: 24.783 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 129 Resp: 108903
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 22.007 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

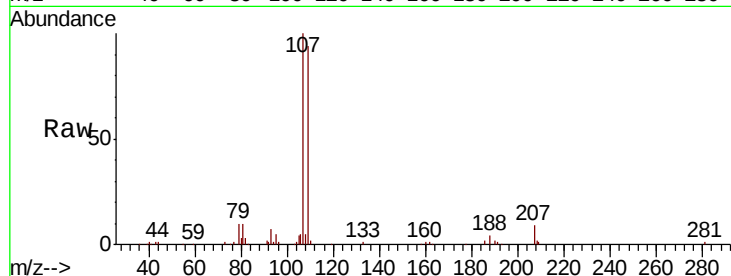
VSTDIC020

Tot Ion: 107 Resp: 102737

Ion Ratio Lower Upper

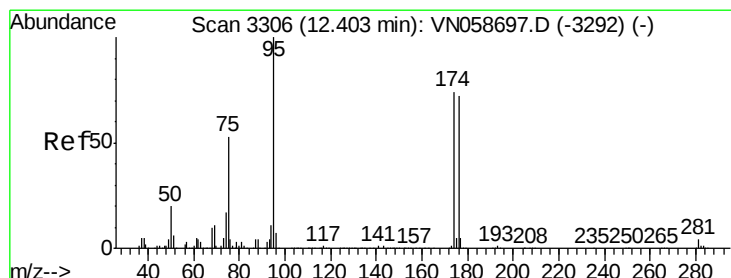
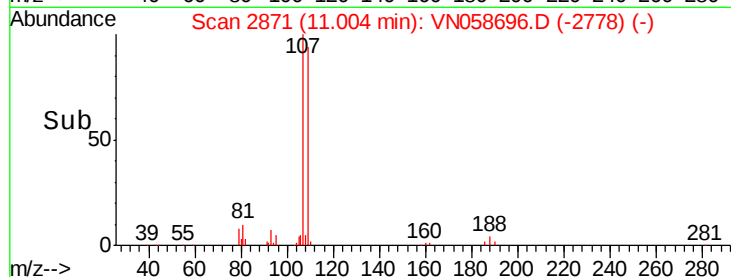
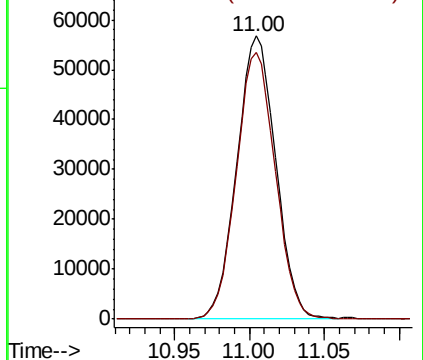
107 100

109 94.8 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 21.770 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

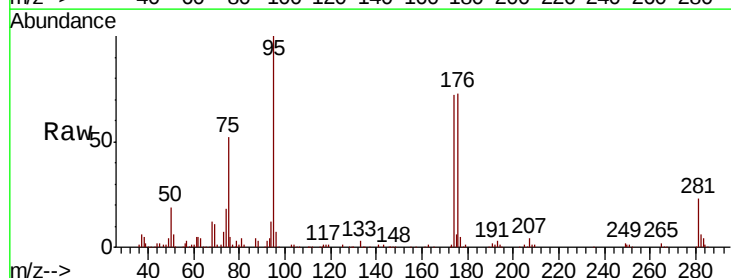
Tgt Ion: 95 Resp: 136700

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.4

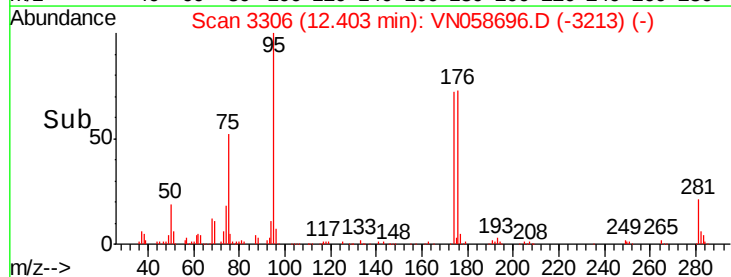
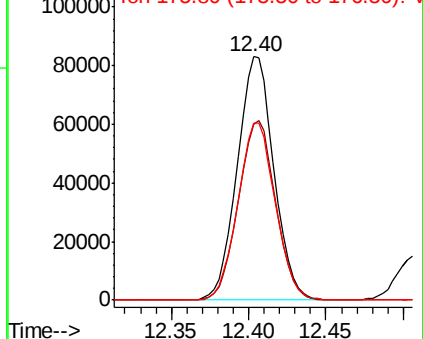
176 74.4 0.0 146.8

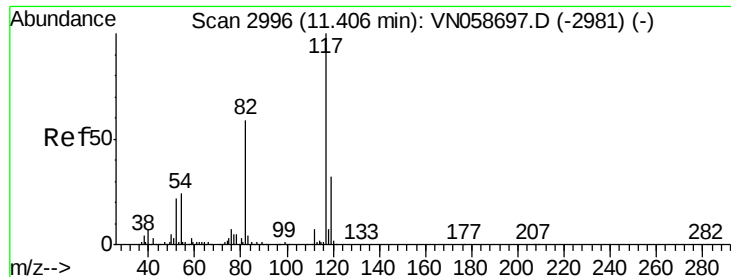


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

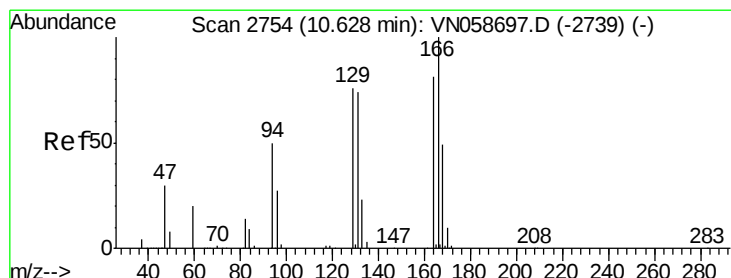
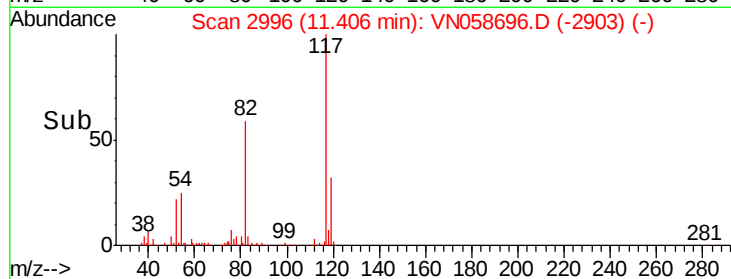
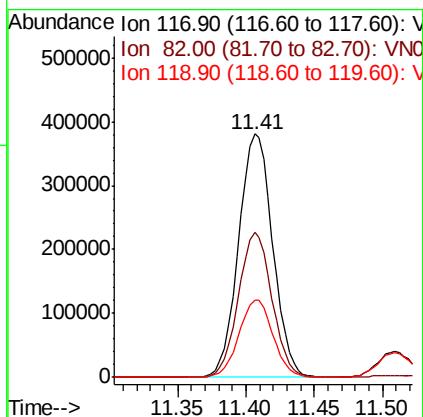
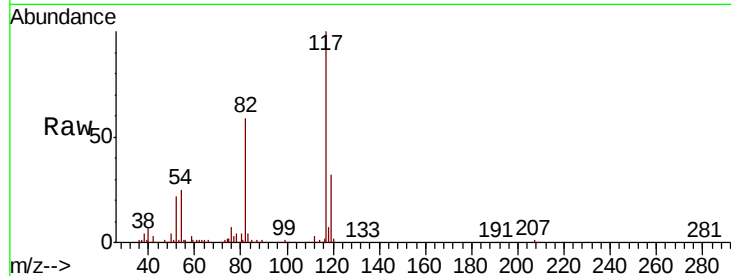




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

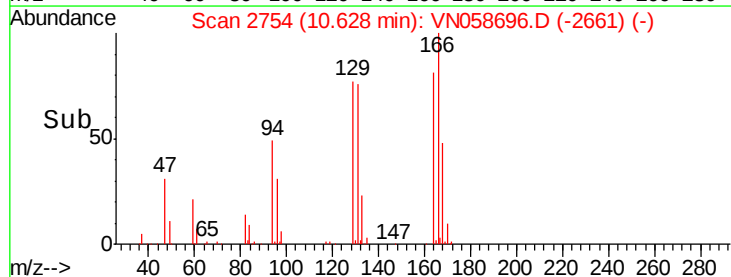
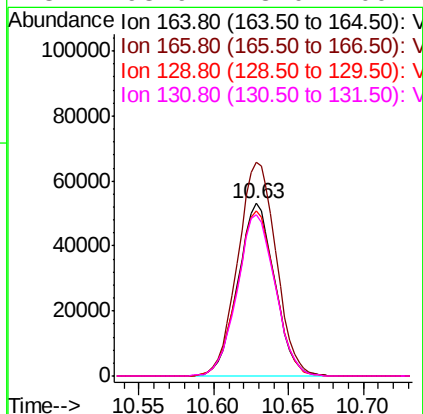
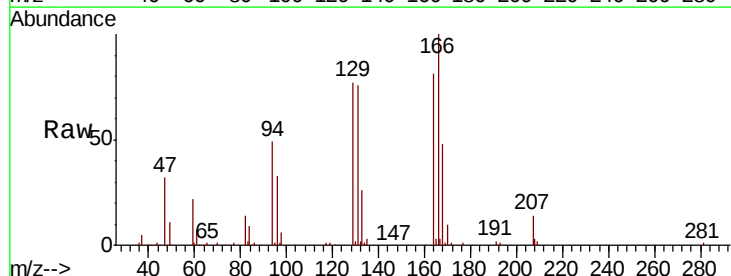
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

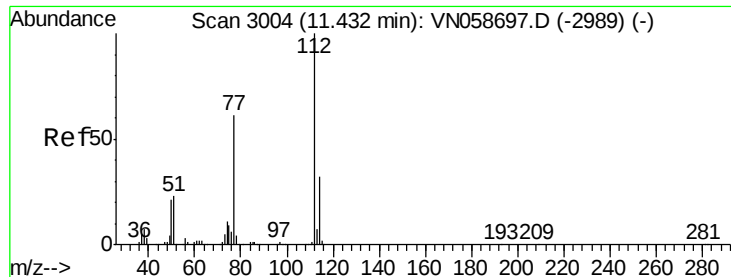
Tot Ion:117 Resp: 660995
Ion Ratio Lower Upper
117 100
82 59.4 47.0 70.4
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 21.450 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion:164 Resp: 91202
Ion Ratio Lower Upper
164 100
166 123.9 99.3 148.9
129 96.0 75.2 112.8
131 93.9 73.0 109.4





#65

Chlorobenzene

Concen: 20.606 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

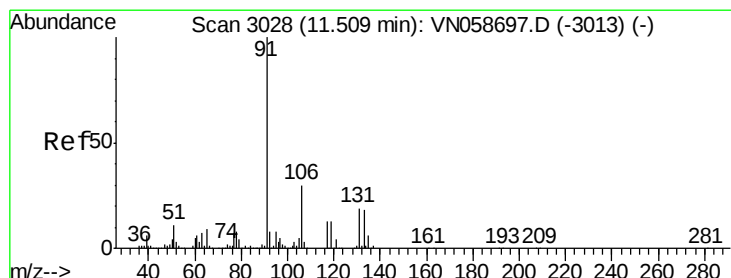
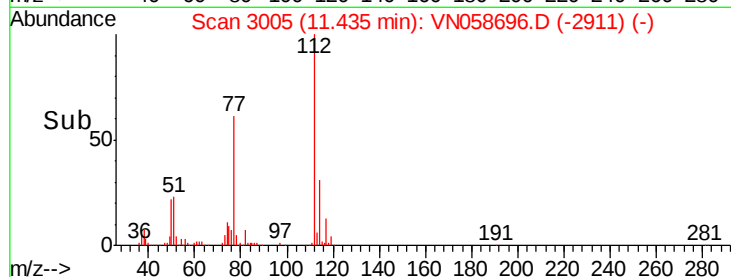
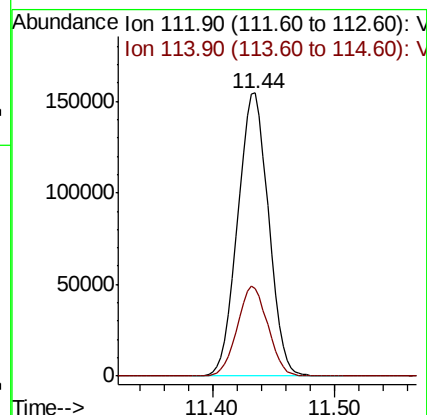
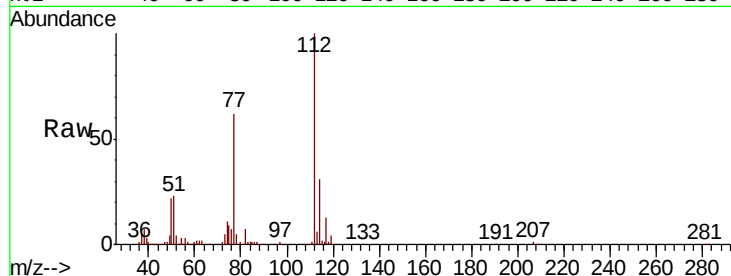
VSTDIC020

Tot Ion:112 Resp: 270974

Ion Ratio Lower Upper

112 100

114 31.1 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 22.308 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

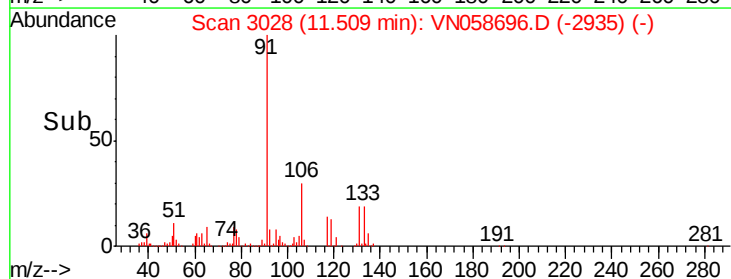
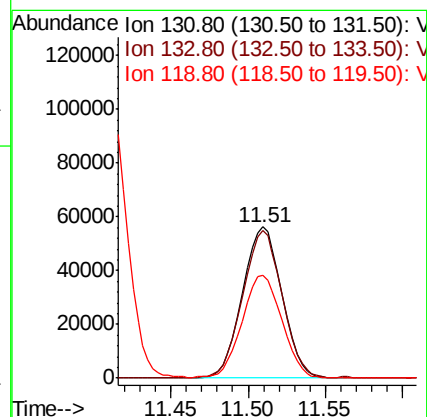
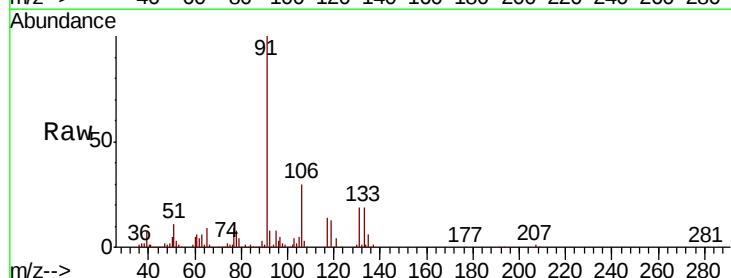
Tgt Ion:131 Resp: 99862

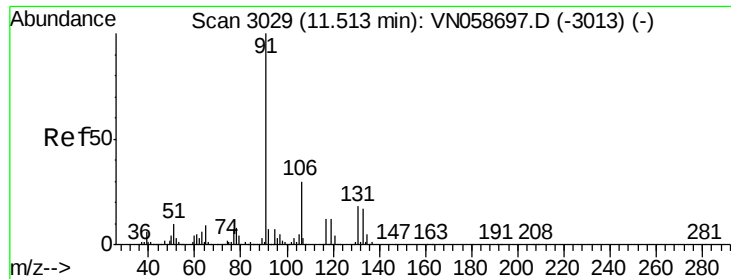
Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.9

119 68.8 33.0 98.9





#67

Ethyl Benzene

Concen: 20.831 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

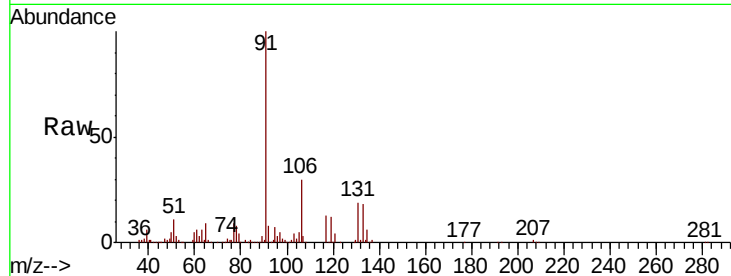
VSTDIC020

Tot Ion: 91 Resp: 496944

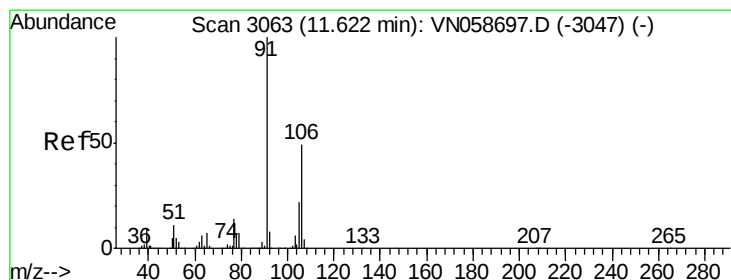
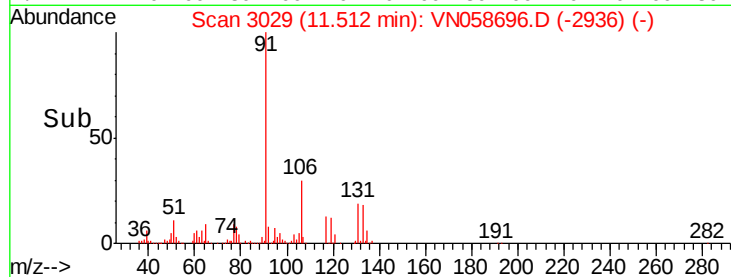
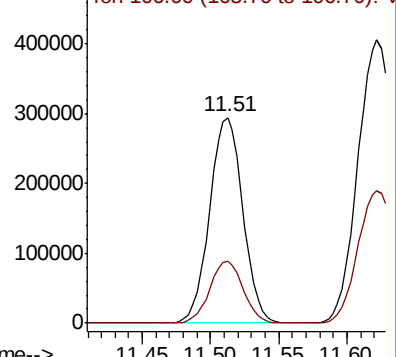
Ion Ratio Lower Upper

91 100

106 30.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3013) (-)



#68

m/p-Xylenes

Concen: 40.947 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058696.D

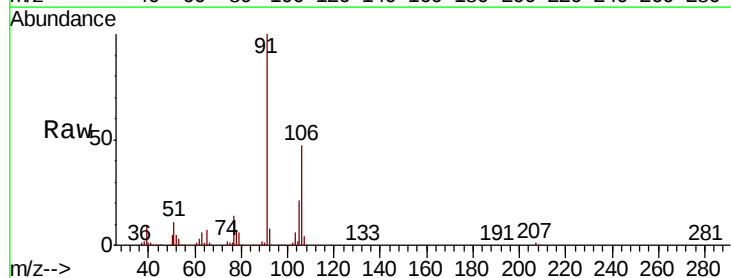
Acq: 11 Oct 2019 12:14

Tgt Ion: 106 Resp: 367562

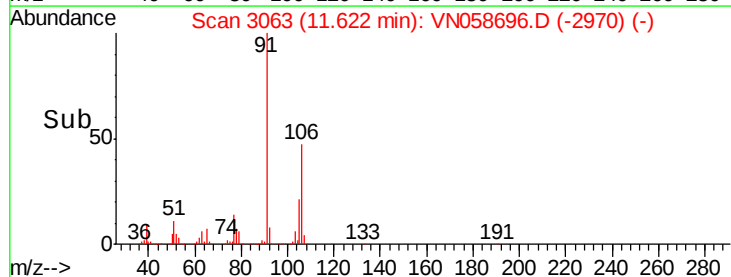
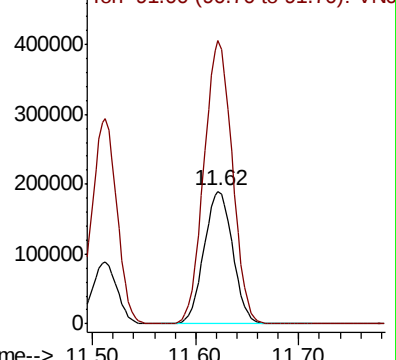
Ion Ratio Lower Upper

106 100

91 210.8 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VN058697.D (-3047) (-)

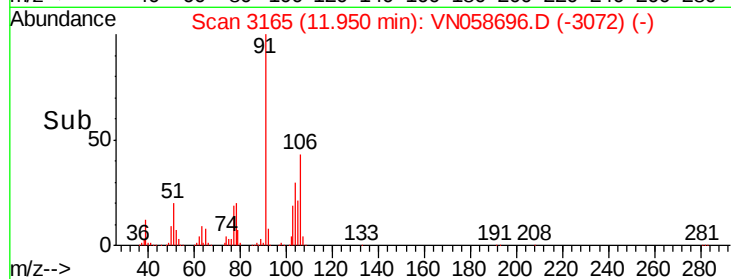
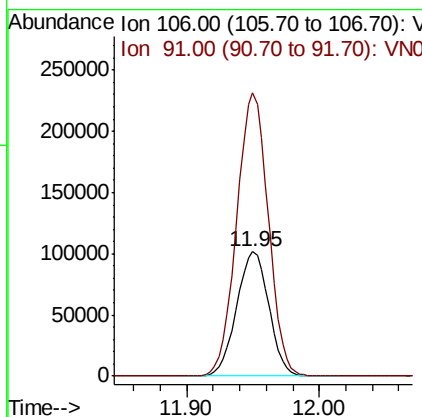
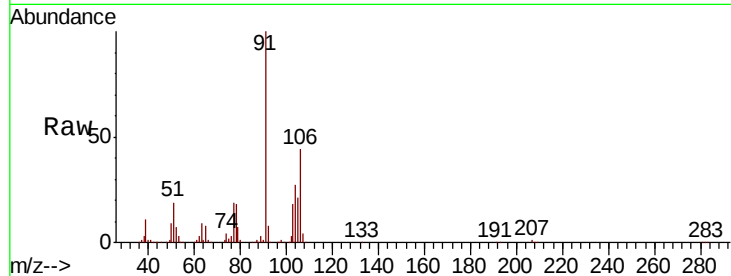




#69
o-Xylene
Concen: 19.920 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

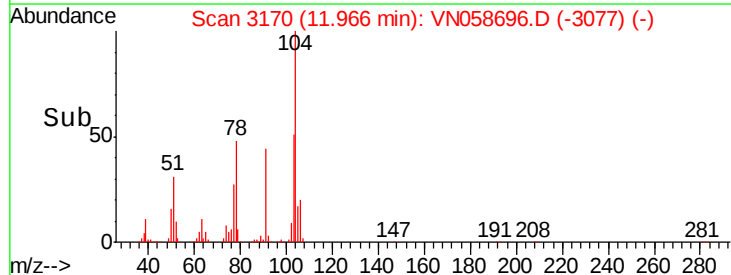
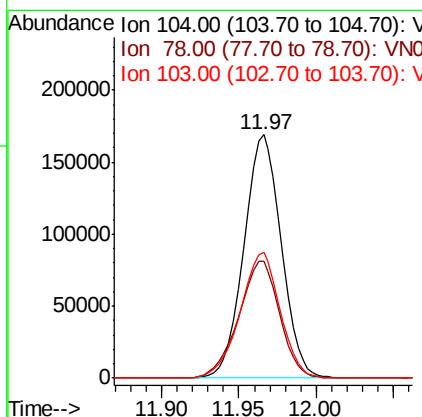
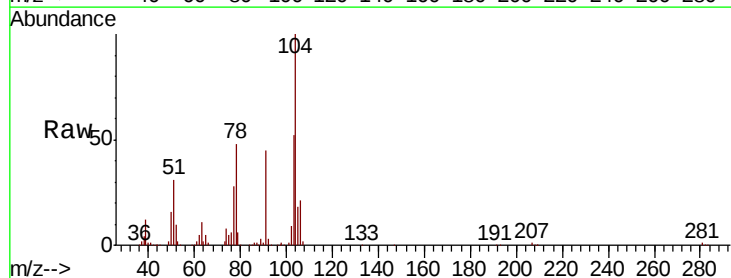
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

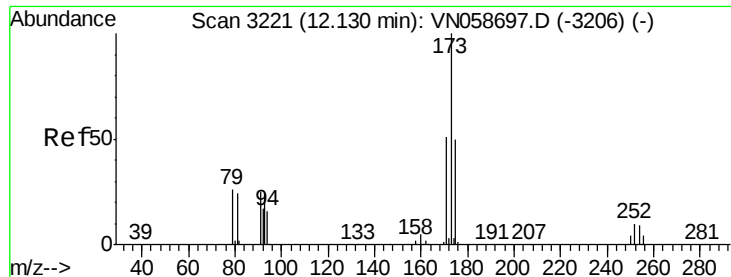
Tot Ion:106 Resp: 171648
Ion Ratio Lower Upper
106 100
91 223.5 110.9 332.9



#70
Styrene
Concen: 20.334 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion:104 Resp: 284669
Ion Ratio Lower Upper
104 100
78 53.0 42.2 63.2
103 55.2 43.7 65.5





#71

Bromoform

Concen: 25.061 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

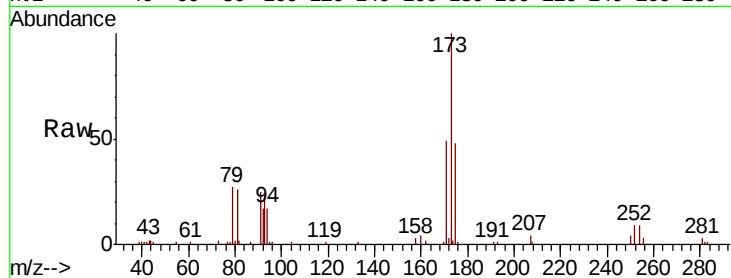
Tot Ion:173 Resp: 71750

Ion Ratio Lower Upper

173 100

175 48.6 24.6 73.8

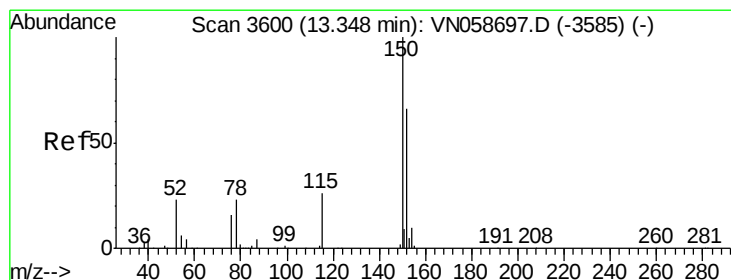
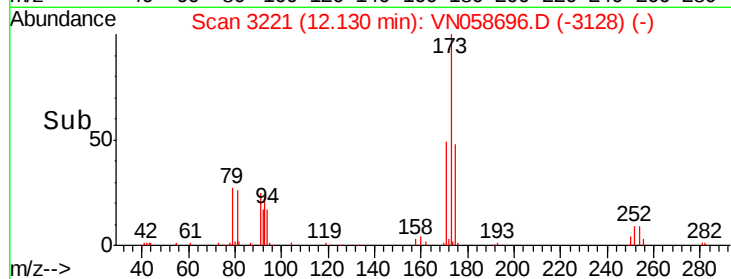
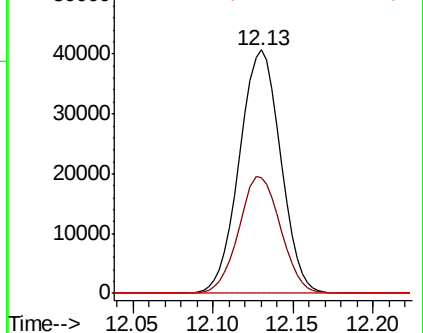
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

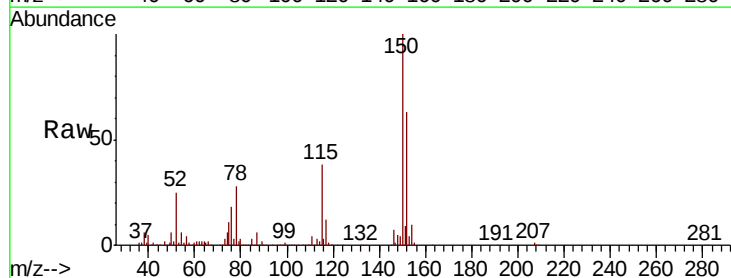
Tgt Ion:152 Resp: 313289

Ion Ratio Lower Upper

152 100

115 61.0 30.4 91.2

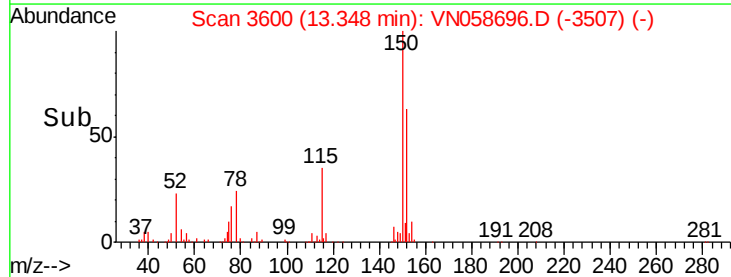
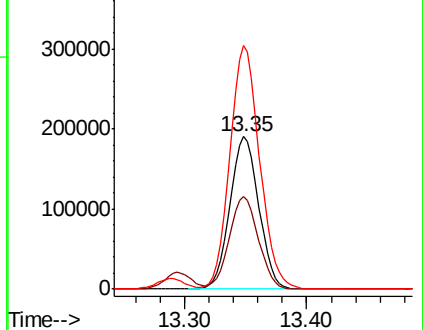
150 164.8 0.0 345.4

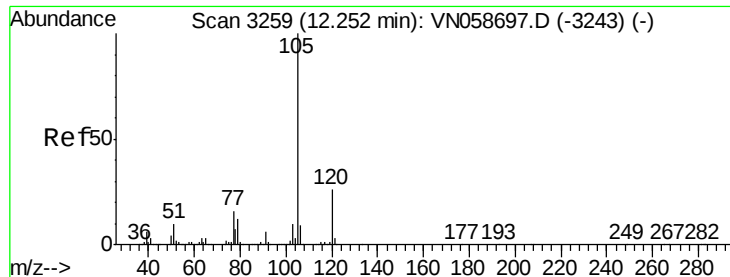


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.839 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

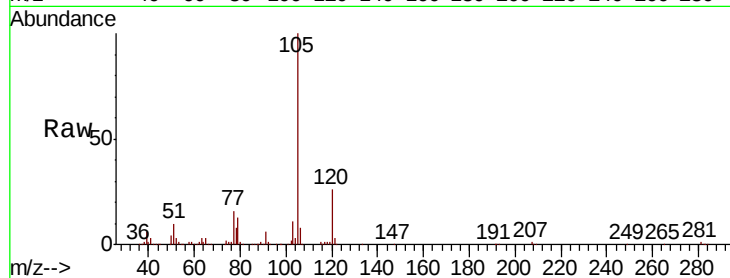
VSTDIC020

Tot Ion:105 Resp: 480096

Ion Ratio Lower Upper

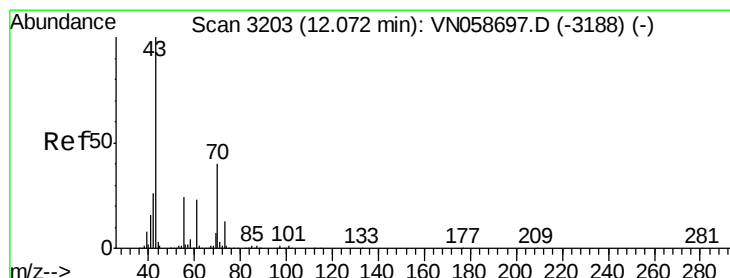
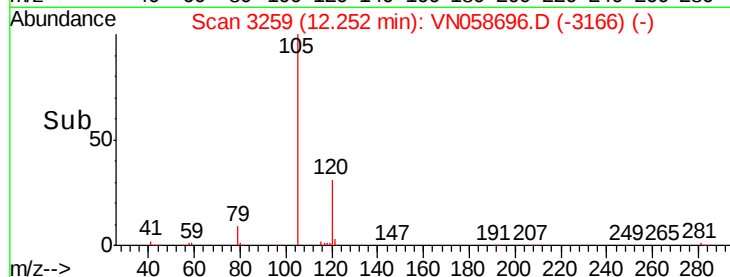
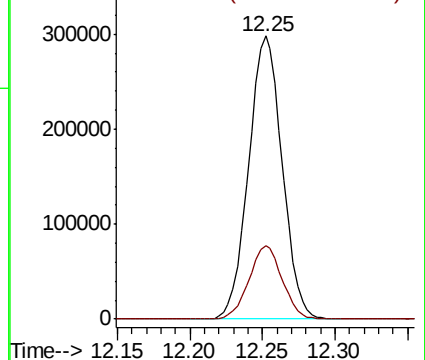
105 100

120 25.7 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.559 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Tgt Ion: 43 Resp: 210854

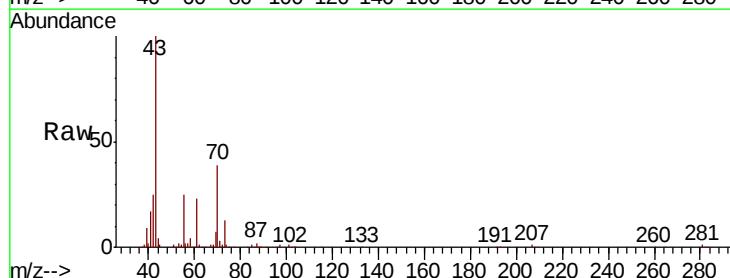
Ion Ratio Lower Upper

43 100

70 39.5 32.2 48.4

55 25.5 19.6 29.4

61 22.9 18.6 28.0

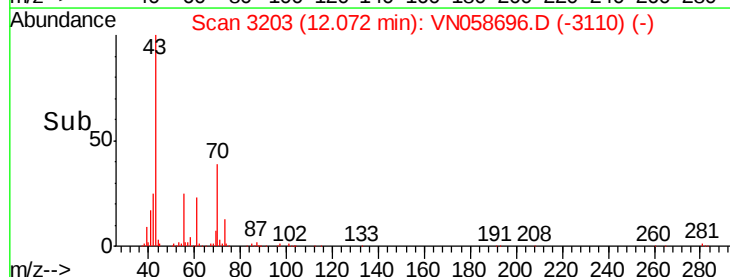
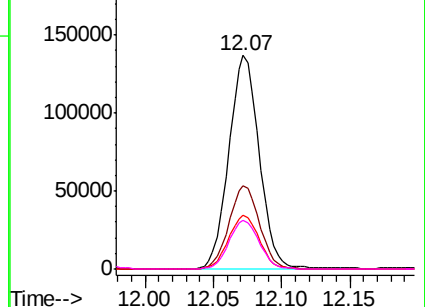


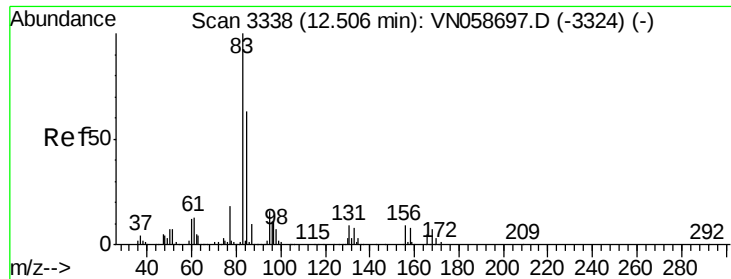
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.985 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

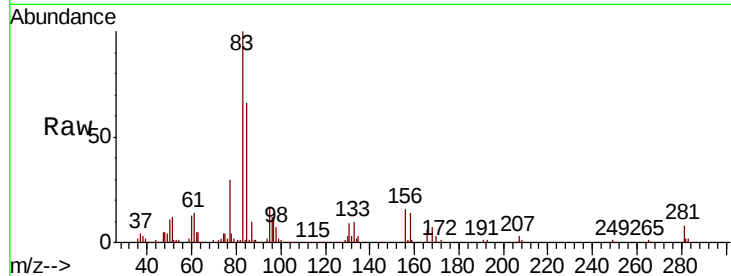
Tot Ion: 83 Resp: 152525

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

85 65.1 31.9 95.5



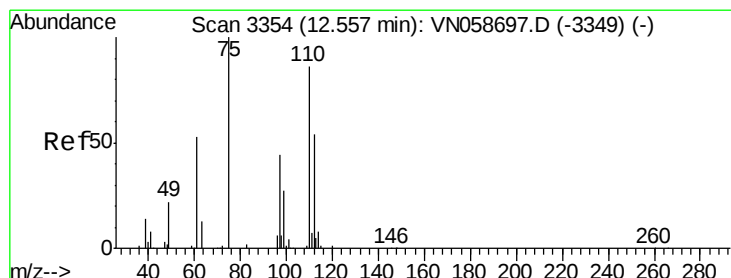
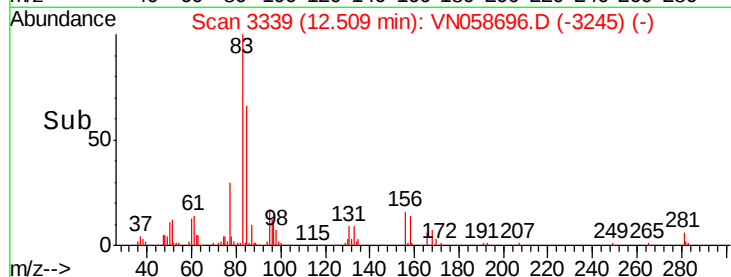
Abundance Ion 82.90 (82.60 to 83.60): VN058696.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN058696.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN058696.D (-3338) (-)

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 35.430 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058696.D

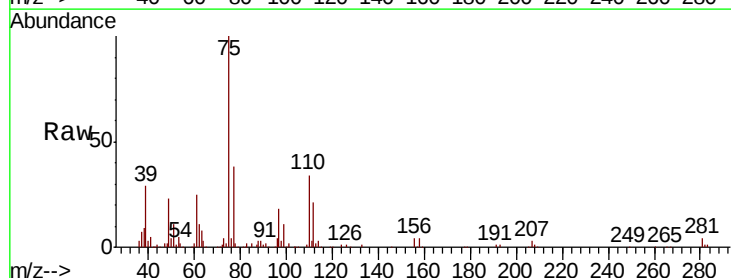
Acq: 11 Oct 2019 12:14

Tgt Ion: 75 Resp: 206657

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

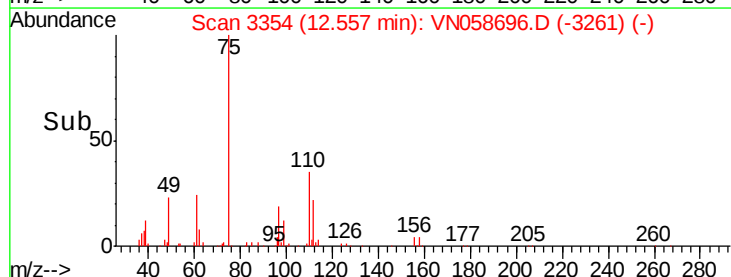


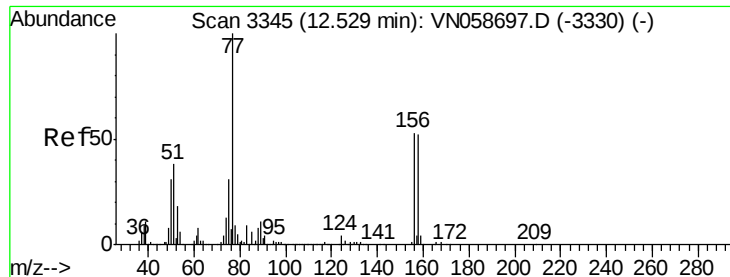
Abundance Ion 74.90 (74.60 to 75.60): VN058696.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN058696.D (-3354) (-)

12.56

Time-->





#77

Bromobenzene

Concen: 20.629 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

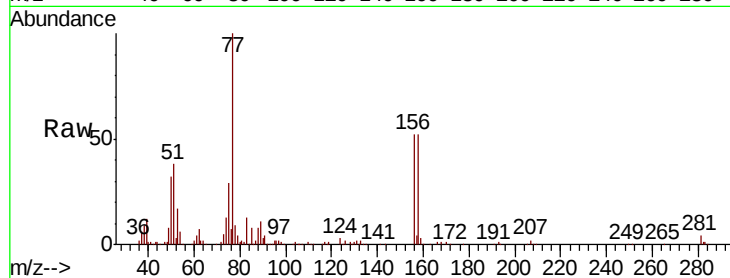
Tot Ion:156 Resp: 111794

Ion Ratio Lower Upper

156 100

77 232.1 115.8 347.3

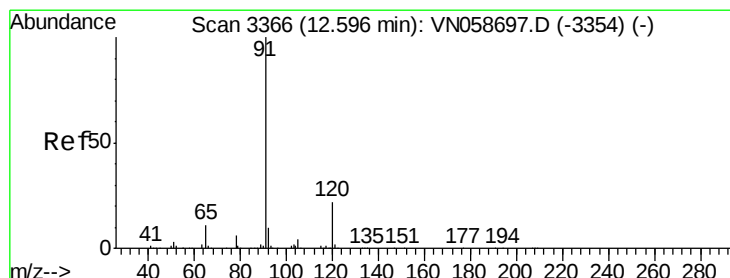
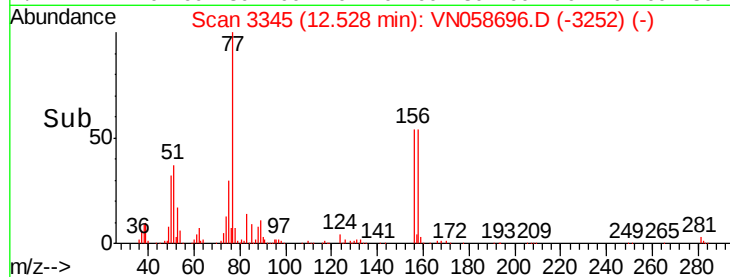
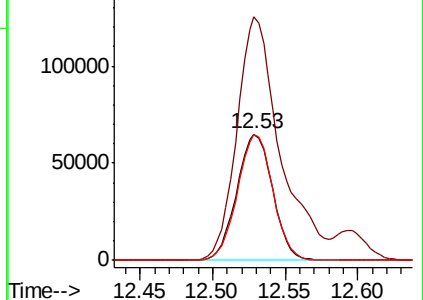
158 98.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.956 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058696.D

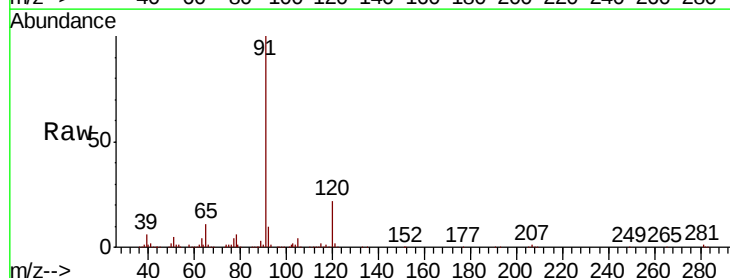
Acq: 11 Oct 2019 12:14

Tgt Ion: 91 Resp: 572251

Ion Ratio Lower Upper

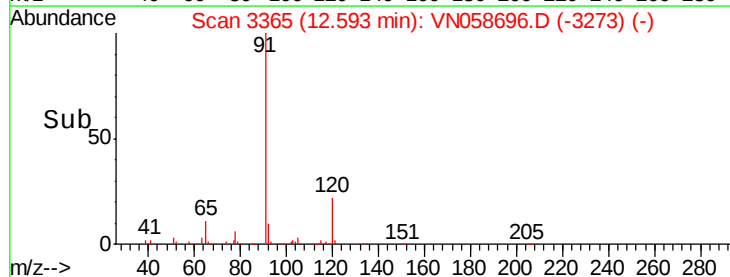
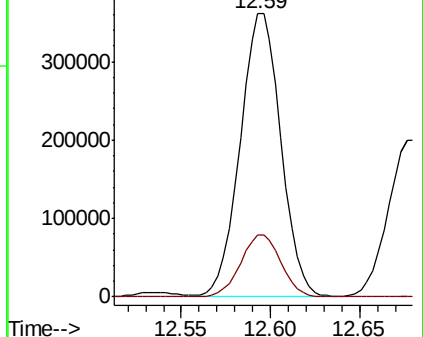
91 100

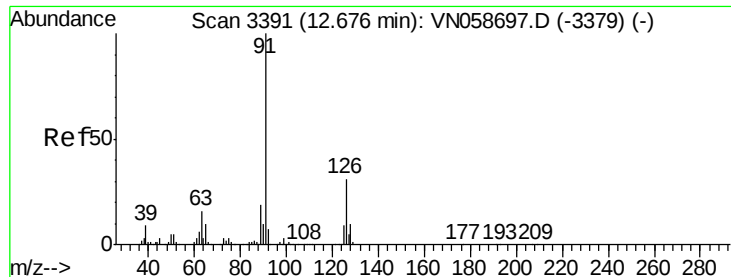
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.923 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

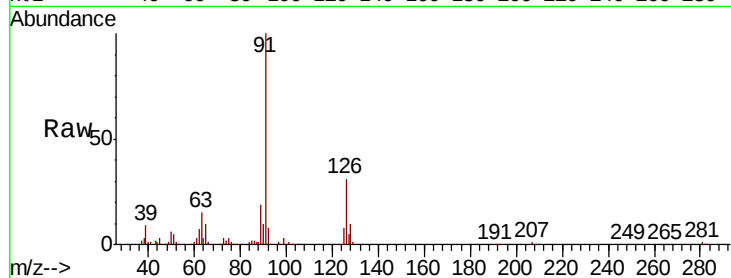
VSTDIC020

Tot Ion: 91 Resp: 336288

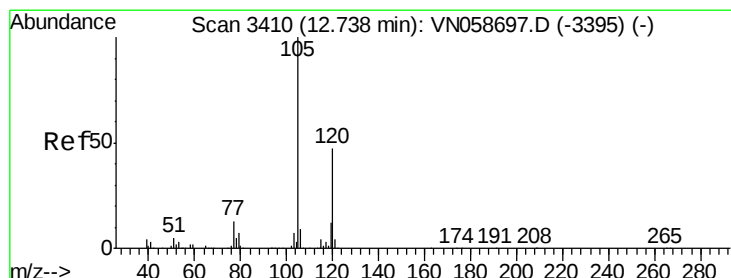
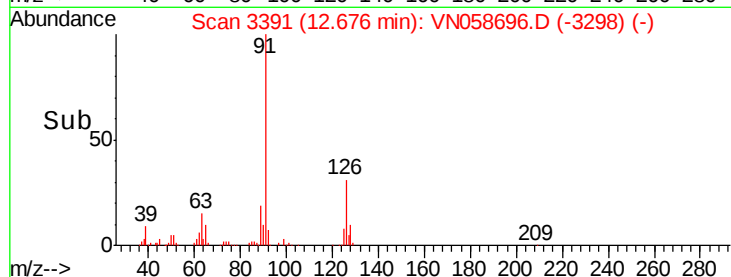
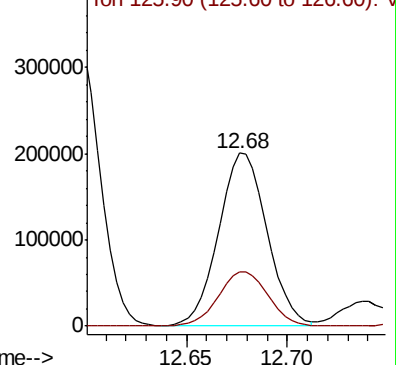
Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN058696.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.307 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058696.D

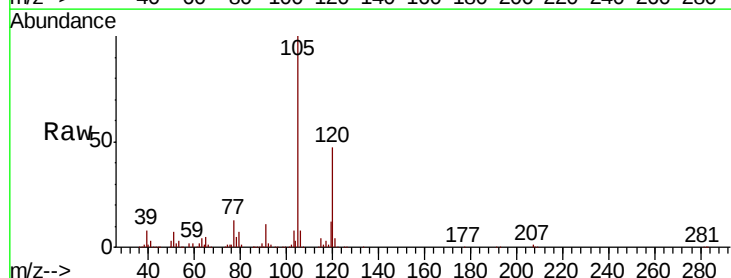
Acq: 11 Oct 2019 12:14

Tgt Ion: 105 Resp: 412158

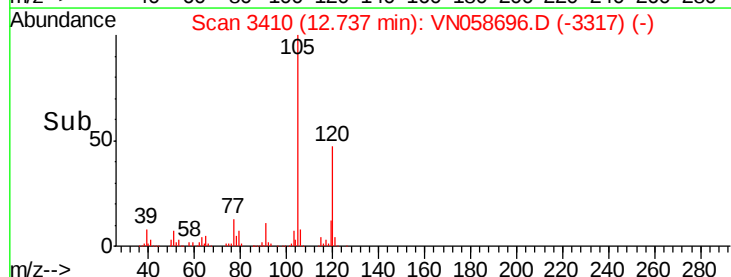
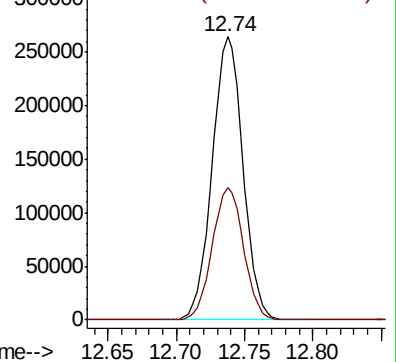
Ion Ratio Lower Upper

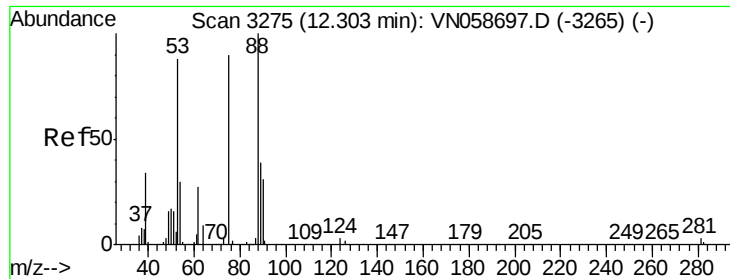
105 100

120 47.6 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058696.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 24.551 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

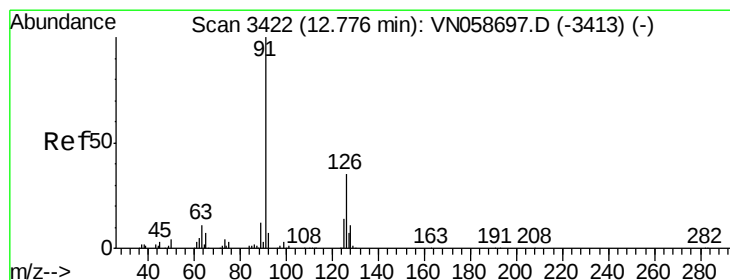
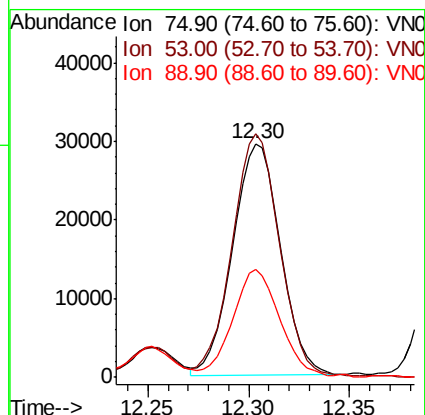
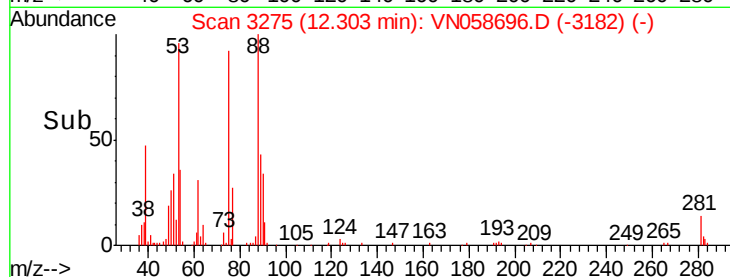
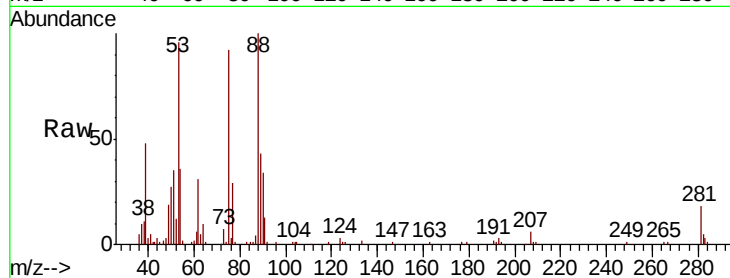
Tot Ion: 75 Resp: 49085

Ion Ratio Lower Upper

75 100

53 105.3 78.4 117.6

89 44.7 34.9 52.3



#82

4-Chlorotoluene

Concen: 21.071 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058696.D

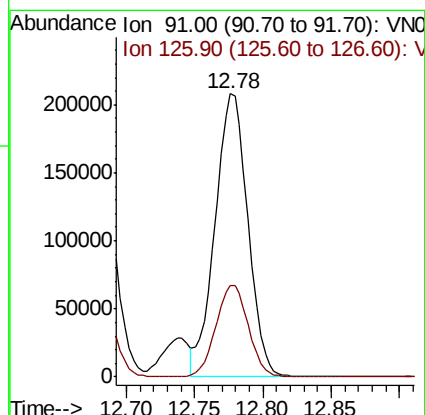
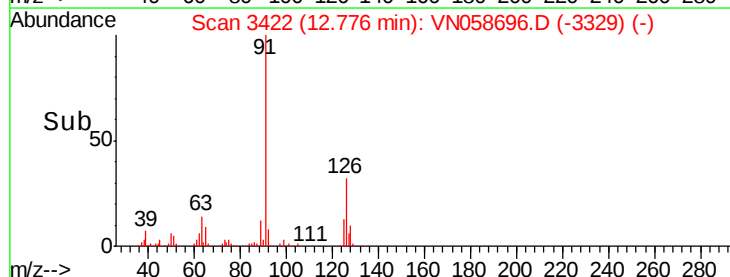
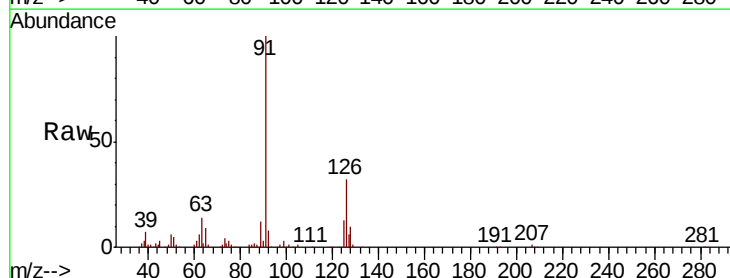
Acq: 11 Oct 2019 12:14

Tgt Ion: 91 Resp: 346476

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.6





#83

tert-Butylbenzene

Concen: 21.259 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

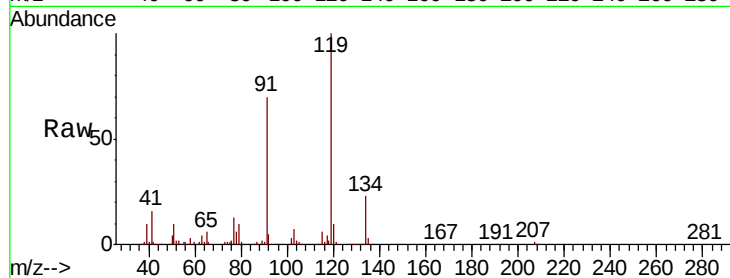
Tot Ion:119 Resp: 347028

Ion Ratio Lower Upper

119 100

91 67.5 33.8 101.3

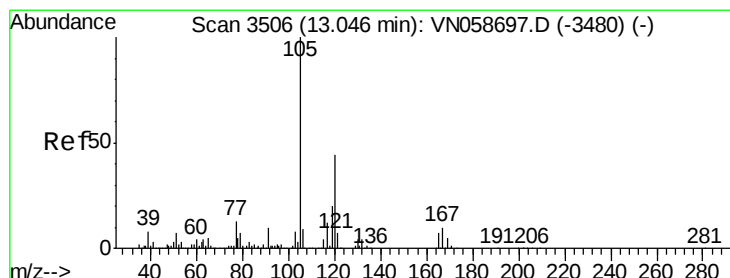
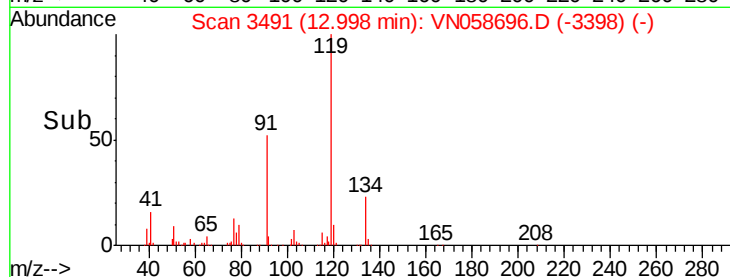
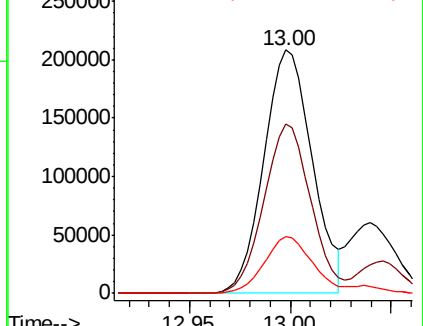
134 23.0 12.6 37.6



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: 21.216 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058696.D

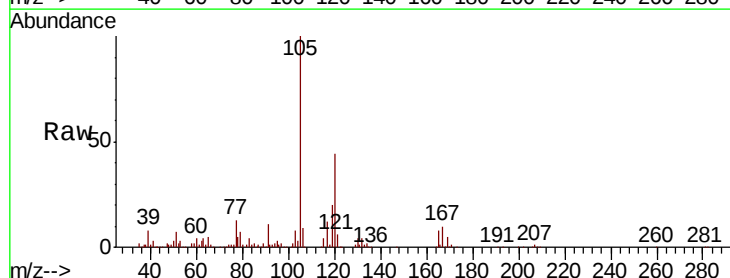
Acq: 11 Oct 2019 12:14

Tgt Ion:105 Resp: 411149

Ion Ratio Lower Upper

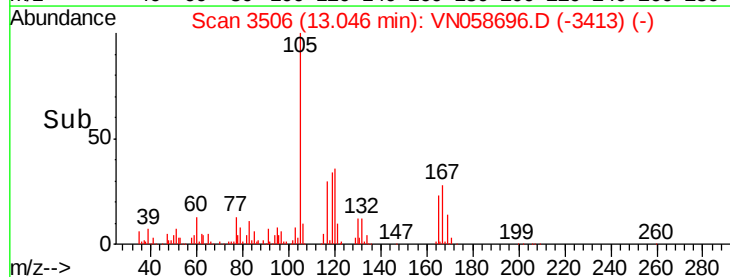
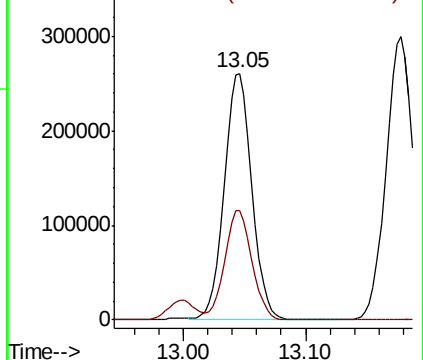
105 100

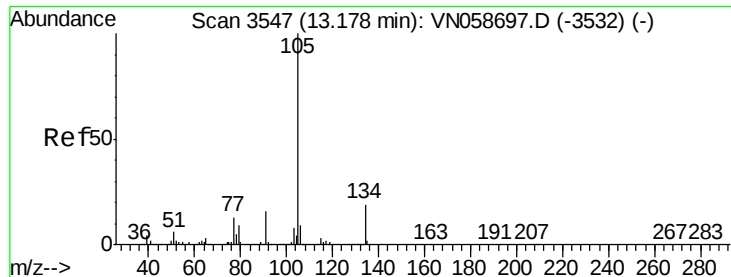
120 44.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.859 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

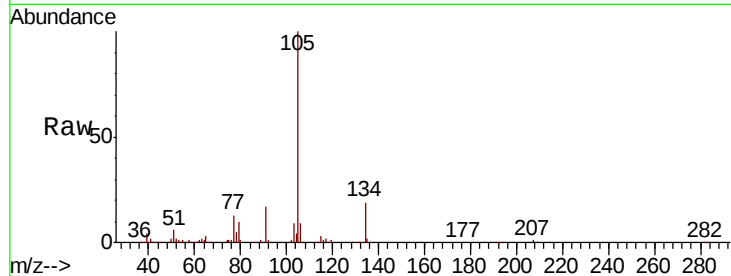
VSTDIC020

Tot Ion:105 Resp: 471208

Ion Ratio Lower Upper

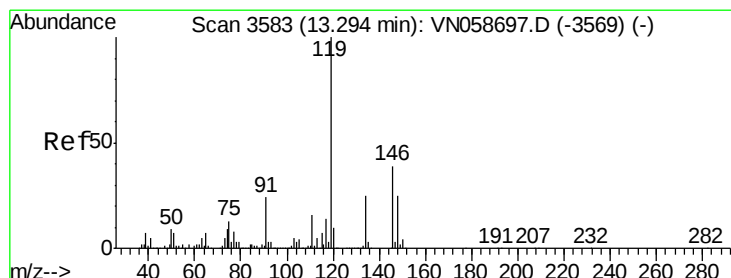
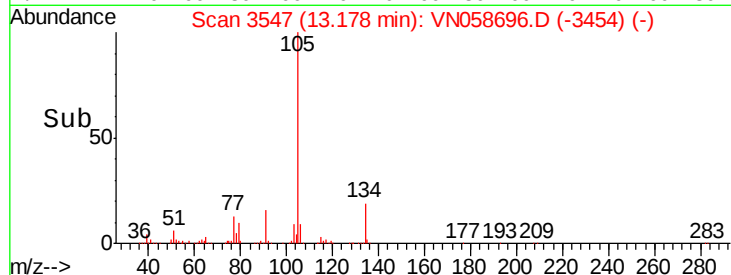
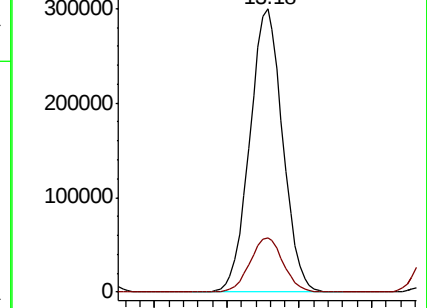
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.155 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

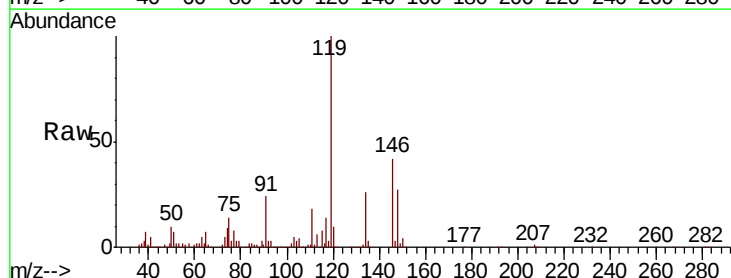
Tgt Ion:119 Resp: 422286

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

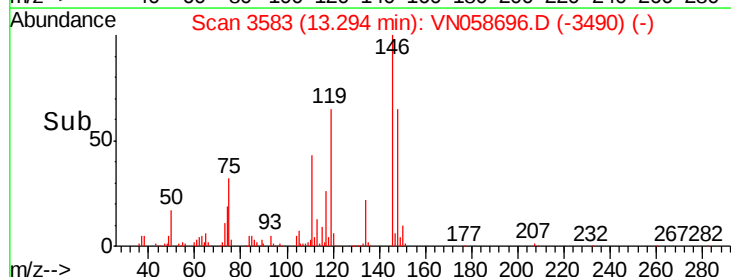
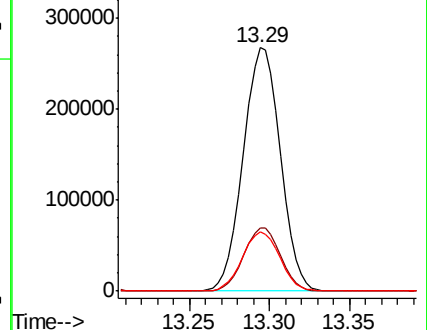
91 24.6 11.9 35.5

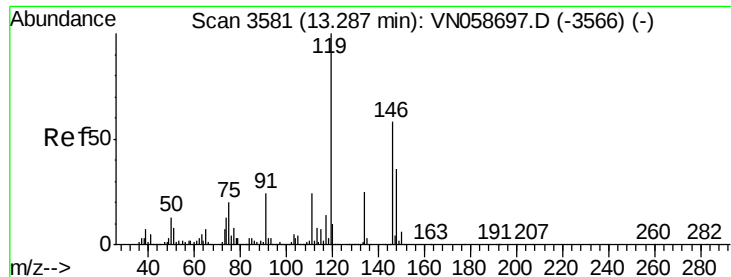


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

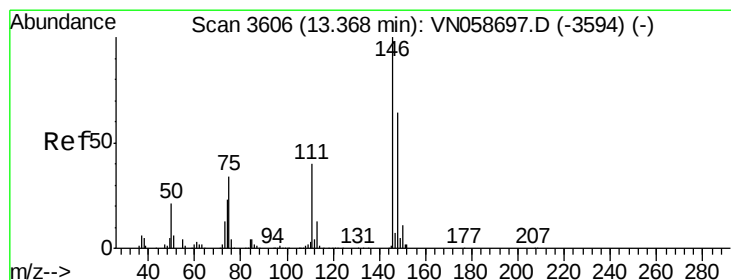
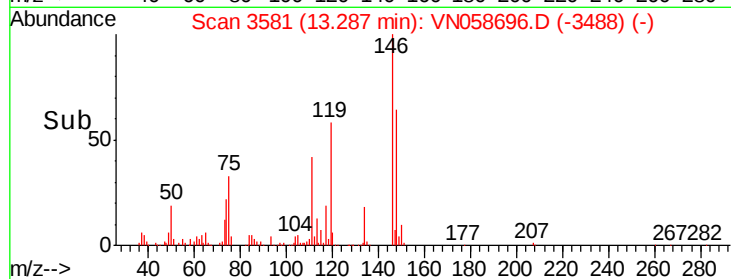
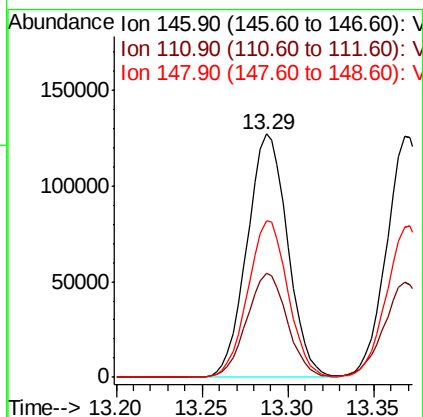
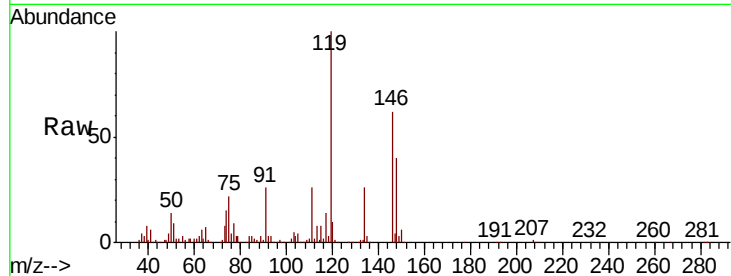




#87
 1,3-Dichlorobenzene
 Concen: 21.097 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

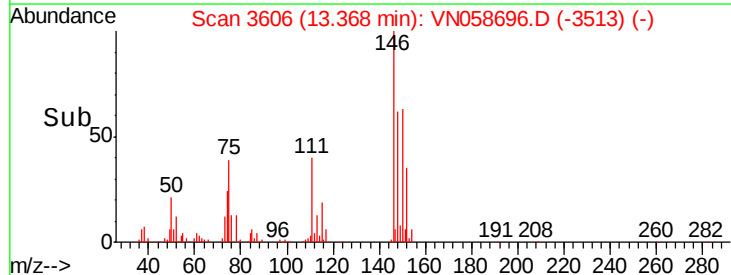
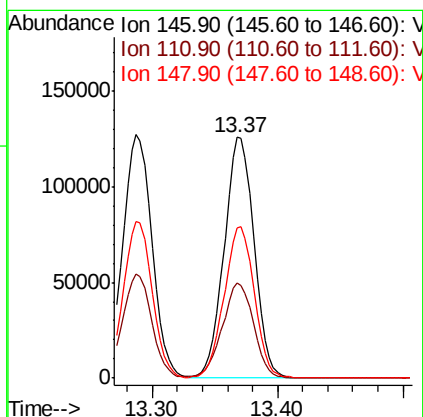
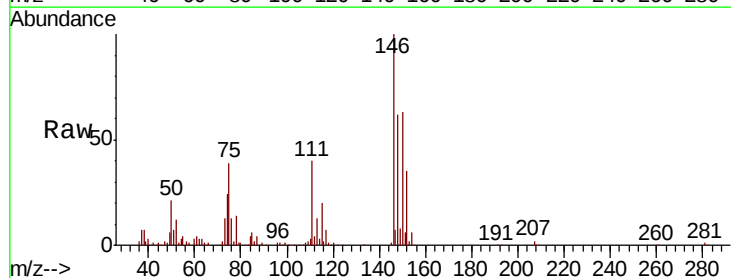
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

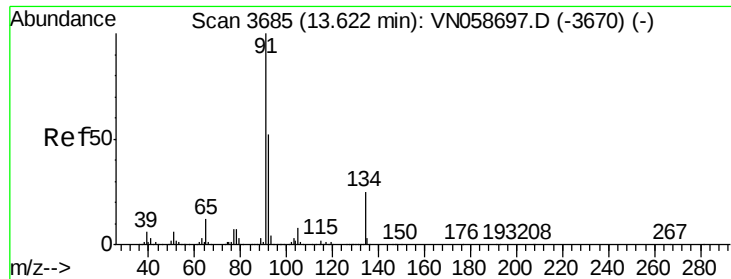
Tot Ion:146 Resp: 208074
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.5 61.6
 148 63.7 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 21.284 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion:146 Resp: 208494
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.1 60.2
 148 63.5 31.9 95.7

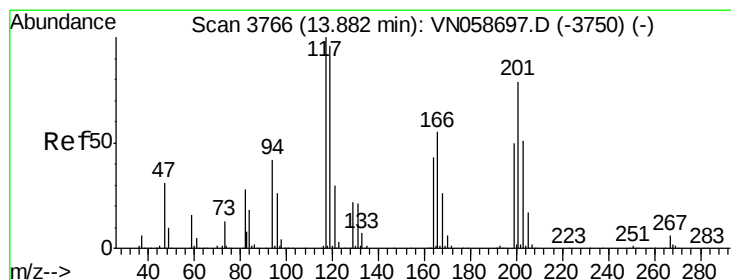
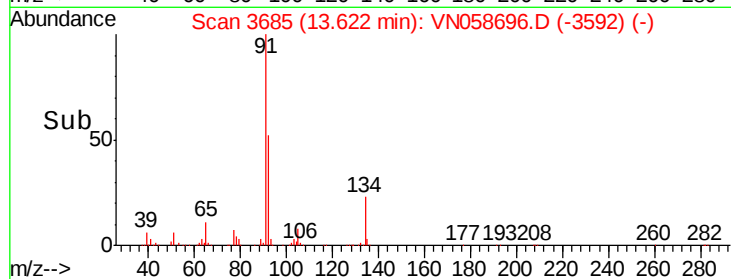
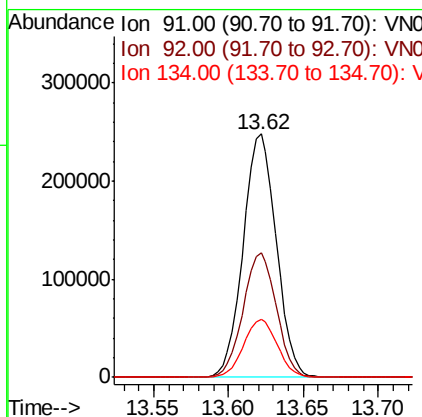
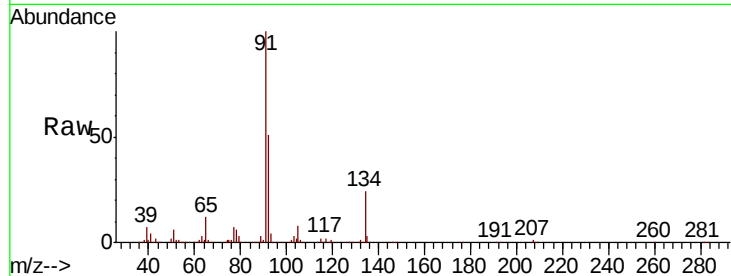




#89
n-Butylbenzene
Concen: 22.022 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

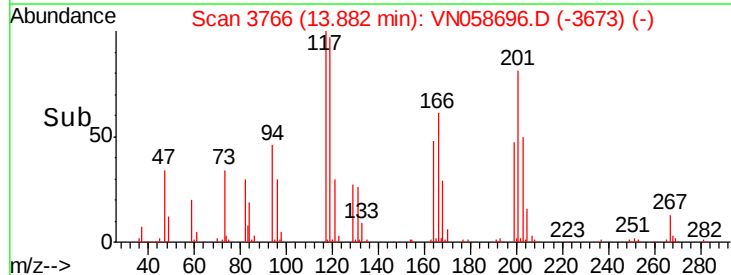
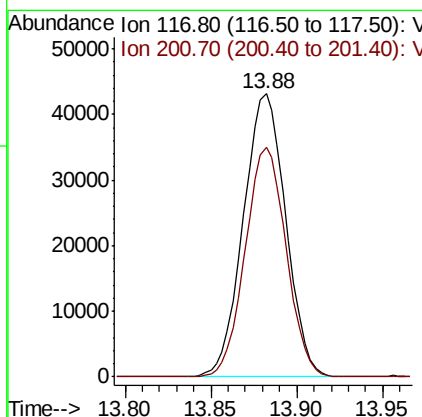
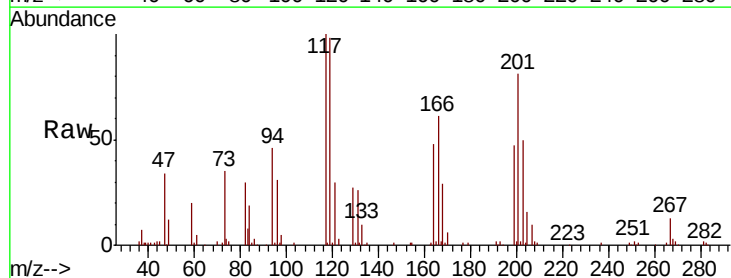
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

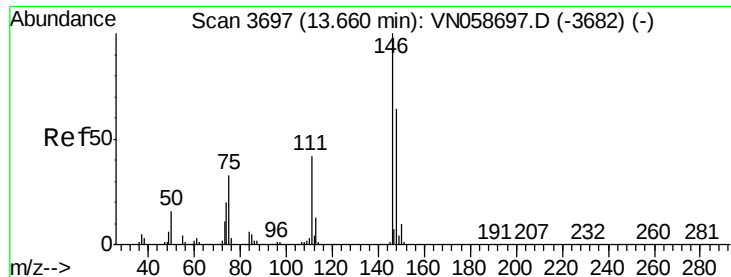
Tot Ion: 91 Resp: 382510
Ion Ratio Lower Upper
91 100
92 51.3 26.0 78.0
134 24.1 12.2 36.6



#90
Hexachloroethane
Concen: 25.178 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058696.D
Acq: 11 Oct 2019 12:14

Tgt Ion: 117 Resp: 73742
Ion Ratio Lower Upper
117 100
201 78.4 39.6 118.7





#91

1,2-Dichlorobenzene

Concen: 21.592 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

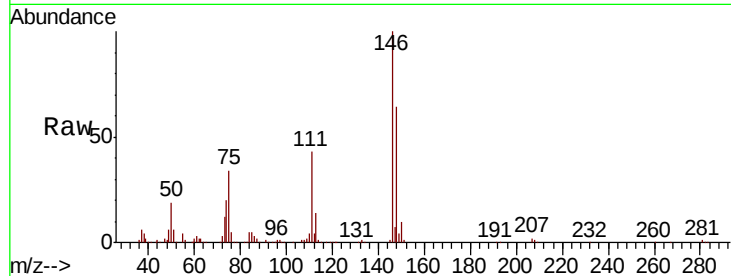
Tot Ion:146 Resp: 204960

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.4

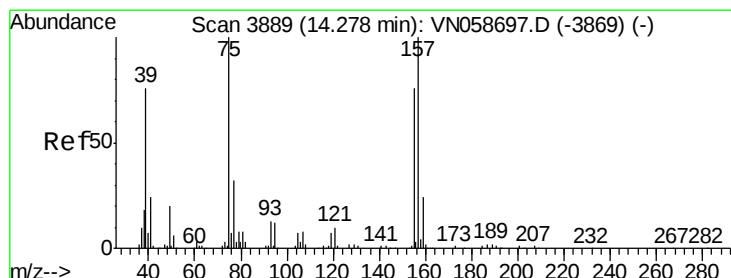
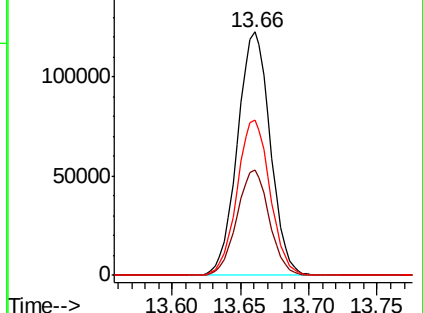
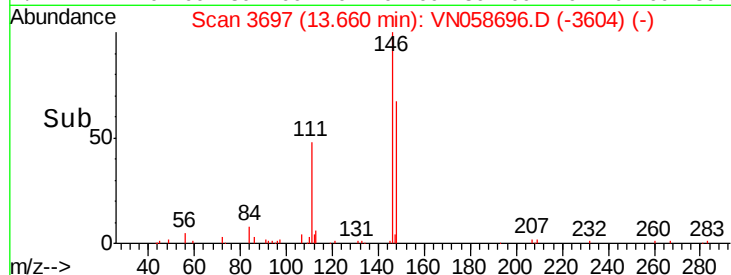
148 64.0 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 26.512 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

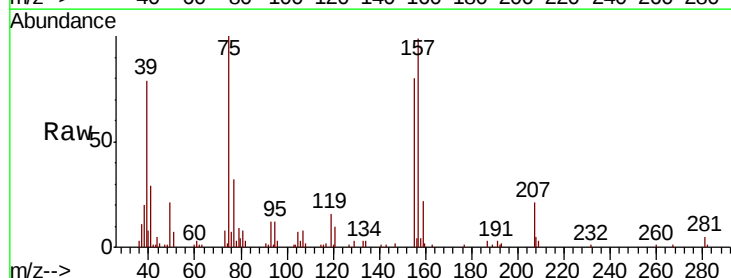
Tgt Ion: 75 Resp: 33488

Ion Ratio Lower Upper

75 100

155 76.9 37.9 113.6

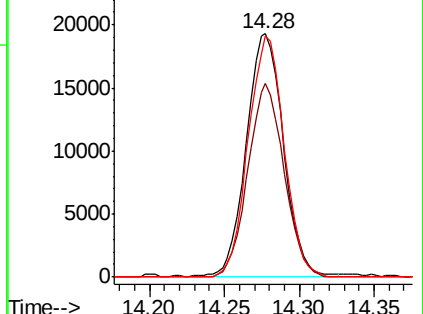
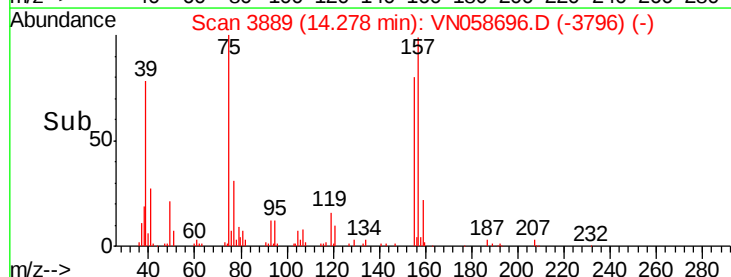
157 95.0 49.4 148.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

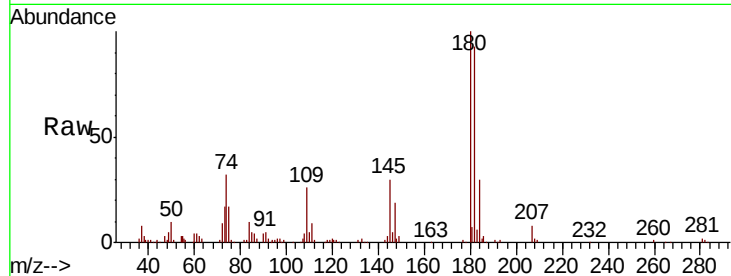




#93
 1,2,4-Trichlorobenzene
 Concen: 23.417 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.2
145	30.1	15.4	46.2

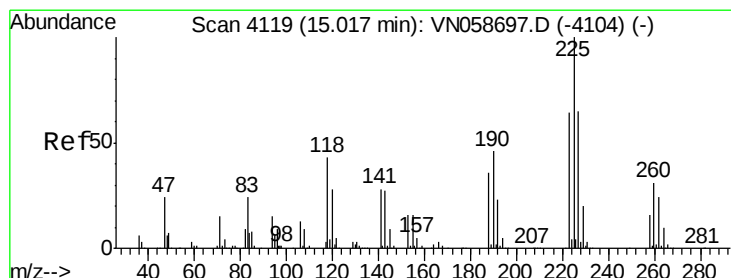
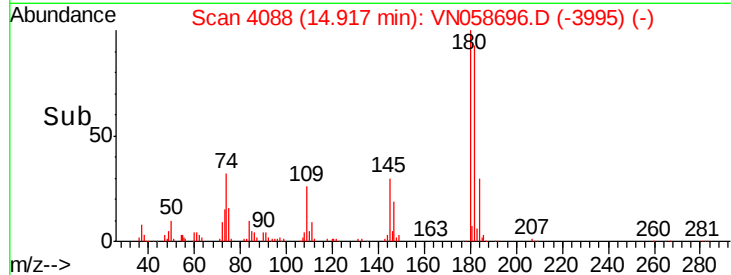
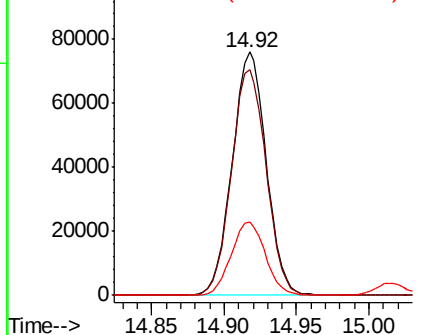


Abundance

Ion 179.80 (179.50 to 180.50): V

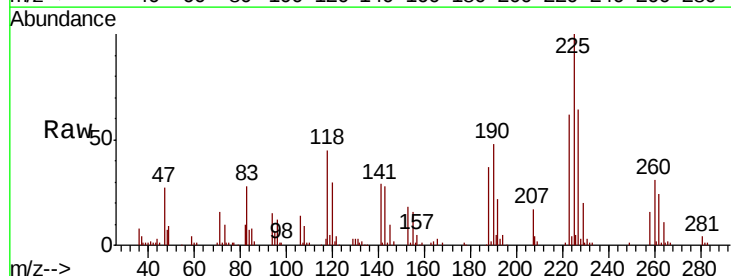
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 23.753 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058696.D
 Acq: 11 Oct 2019 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.3	96.8
227	64.8	32.4	97.0

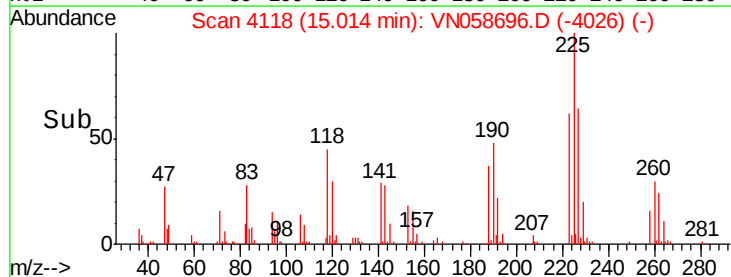
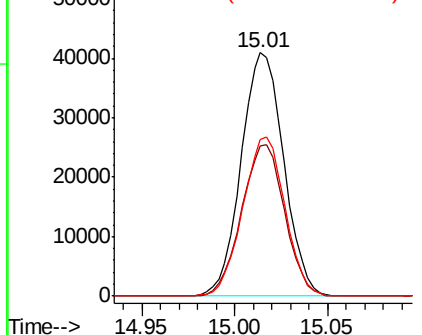


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 25.401 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

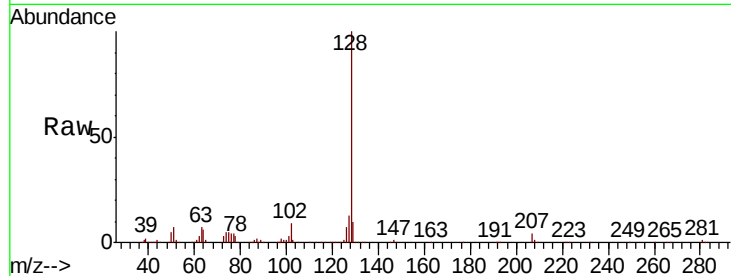
Tot Ion:128 Resp: 356093

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

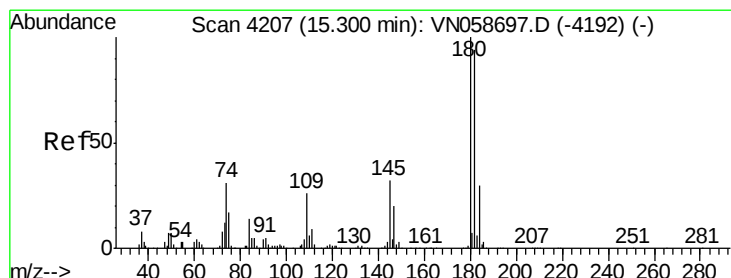
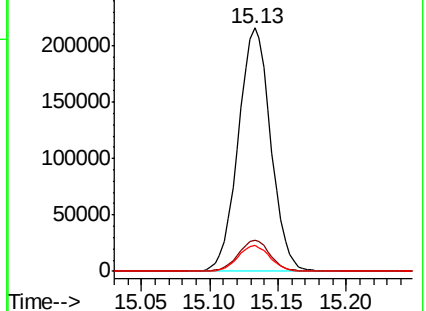
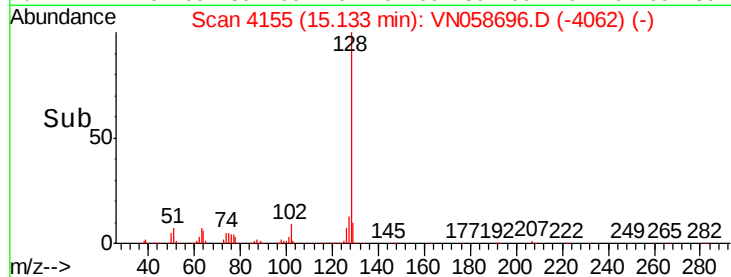
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 24.706 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058696.D

Acq: 11 Oct 2019 12:14

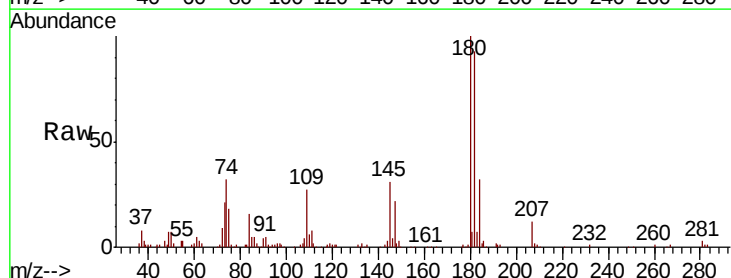
Tgt Ion:180 Resp: 119660

Ion Ratio Lower Upper

180 100

182 94.4 47.3 142.0

145 31.8 16.2 48.6



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

