

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058780.D
 Acq On : 15 Oct 2019 14:26
 Operator : JC/SP
 Sample : VN1015WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Quant Time: Oct 16 04:16:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	640808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277558	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	288506	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	7.57	113	208444	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
50) Toluene-d8	10.08	98	797412	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	293472	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	100820	20.653	ug/l	99
3) Chloromethane	2.04	50	119772	20.633	ug/l	98
4) Vinyl Chloride	2.17	62	120363	20.819	ug/l	99
5) Bromomethane	2.55	94	75813	21.556	ug/l	100
6) Chloroethane	2.69	64	76280	21.390	ug/l	99
7) Trichlorofluoromethane	3.00	101	141386	20.434	ug/l	99
8) Diethyl Ether	3.39	74	52433	20.509	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82837	20.997	ug/l	97
10) Methyl Iodide	3.93	142	104699	19.447	ug/l	98
11) Tert butyl alcohol	4.75	59	93845	105.599	ug/l	99
12) 1,1-Dichloroethene	3.72	96	79611	21.149	ug/l	93
13) Acrolein	3.59	56	55508	77.663	ug/l	99
14) Allyl chloride	4.30	41	154798	20.378	ug/l	99
15) Acrylonitrile	4.96	53	247228	110.313	ug/l	99
16) Acetone	3.79	43	244447	107.603	ug/l	100
17) Carbon Disulfide	4.03	76	240113	19.955	ug/l	99
18) Methyl Acetate	4.30	43	126730	21.992	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	284949	21.199	ug/l	98
20) Methylene Chloride	4.53	84	94793	19.965	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	86119	20.453	ug/l	99
22) Diisopropyl ether	5.93	45	311121	21.064	ug/l	97
23) Vinyl Acetate	5.87	43	1337629	112.236	ug/l	100
24) 1,1-Dichloroethane	5.82	63	180827	21.496	ug/l	99
25) 2-Butanone	6.81	43	352401	107.322	ug/l	98
26) 2,2-Dichloropropane	6.80	77	153321	19.967	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	100853	20.540	ug/l	99
28) Bromochloromethane	7.18	49	60204	20.572	ug/l	99
29) Tetrahydrofuran	7.19	42	230577	108.663	ug/l	100
30) Chloroform	7.35	83	175663	20.785	ug/l	98
31) Cyclohexane	7.63	56	158713	19.719	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	154898	21.491	ug/l	99
36) 1,1-Dichloropropene	7.77	75	129921	20.053	ug/l	99
37) Ethyl Acetate	6.91	43	145443	22.197	ug/l	97
38) Carbon Tetrachloride	7.76	117	132811	21.033	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058780.D
 Acq On : 15 Oct 2019 14:26
 Operator : JC/SP
 Sample : VN1015WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Quant Time: Oct 16 04:16:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	145299	19.326	ug/l	97
40) Benzene	8.02	78	384467	20.662	ug/l	100
41) Methacrylonitrile	7.19	41	209324	68.245	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	151571	21.202	ug/l	99
43) Isopropyl Acetate	8.15	43	228602	20.480	ug/l #	92
44) Trichloroethene	8.82	130	93489	20.232	ug/l	98
45) 1,2-Dichloropropane	9.11	63	105474	21.174	ug/l	99
46) Dibromomethane	9.20	93	66631	21.098	ug/l	98
47) Bromodichloromethane	9.39	83	137374	21.361	ug/l	98
48) Methyl methacrylate	9.19	41	103171	20.390	ug/l	98
49) 1,4-Dioxane	9.19	88	32732	418.152	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	720070	114.863	ug/l	99
52) Toluene	10.15	92	237222	20.844	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	150591	20.416	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	163649	20.896	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93816	20.140	ug/l	98
56) Ethyl methacrylate	10.43	69	139193	20.454	ug/l	98
57) 1,3-Dichloropropane	10.71	76	166641	20.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	339155	103.416	ug/l	100
59) 2-Hexanone	10.75	43	529953	109.389	ug/l	99
60) Dibromochloromethane	10.90	129	101745	21.174	ug/l	100
61) 1,2-Dibromoethane	11.00	107	96268	20.629	ug/l	100
64) Tetrachloroethene	10.63	164	83620	20.342	ug/l	98
65) Chlorobenzene	11.43	112	244632	20.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91990	20.855	ug/l	99
67) Ethyl Benzene	11.51	91	439904	20.688	ug/l	99
68) m/p-Xylenes	11.62	106	325698	40.815	ug/l	98
69) o-Xylene	11.95	106	156159	20.226	ug/l	100
70) Styrene	11.97	104	253402	20.025	ug/l	98
71) Bromoform	12.13	173	68074	21.055	ug/l #	99
73) Isopropylbenzene	12.25	105	427699	21.277	ug/l	100
74) N-amyl acetate	12.07	43	194342	21.526	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	143454	21.663	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	190311	31.255	ug/l #	100
77) Bromobenzene	12.53	156	103487	21.166	ug/l	98
78) n-propylbenzene	12.59	91	501778	21.422	ug/l	99
79) 2-Chlorotoluene	12.68	91	301559	20.742	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	361728	21.078	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46429	20.425	ug/l	97
82) 4-Chlorotoluene	12.78	91	307483	20.611	ug/l	99
83) tert-Butylbenzene	13.00	119	306536	20.850	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	360682	21.171	ug/l	100
85) sec-Butylbenzene	13.17	105	413725	21.357	ug/l	100
86) p-Isopropyltoluene	13.29	119	367897	20.896	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	182083	20.193	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	177200	19.329	ug/l	98
89) n-Butylbenzene	13.62	91	321786	19.766	ug/l	99
90) Hexachloroethane	13.88	117	67549	21.442	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	179939	20.475	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	31819	20.568	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
Data File : VN058780.D
Acq On : 15 Oct 2019 14:26
Operator : JC/SP
Sample : VN1015WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Quant Time: Oct 16 04:16:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

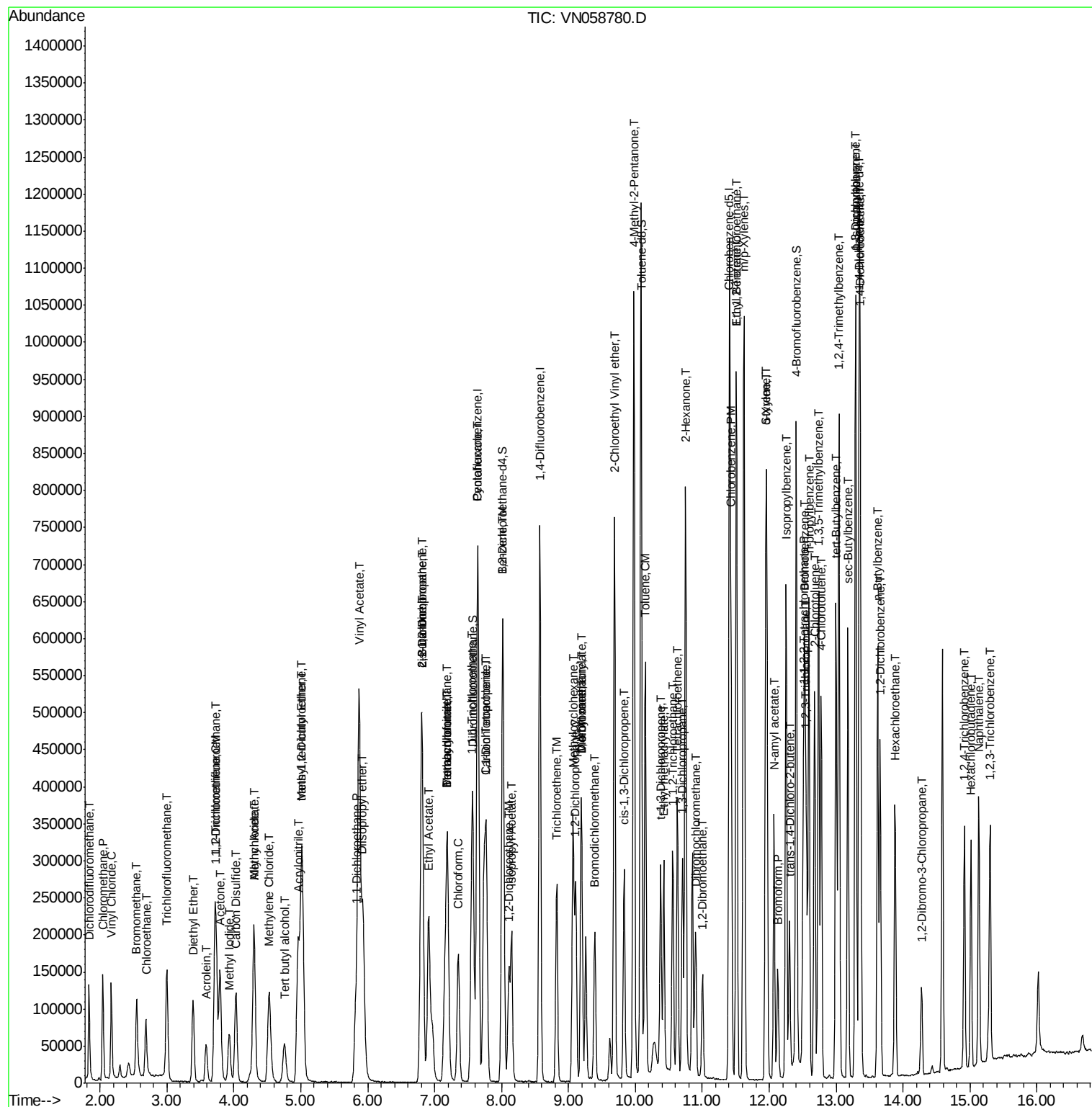
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	98287	18.334	ug/l	99
94) Hexachlorobutadiene	15.01	225	54955	19.466	ug/l	99
95) Naphthalene	15.13	128	284698	18.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	98556	18.830	ug/l	99

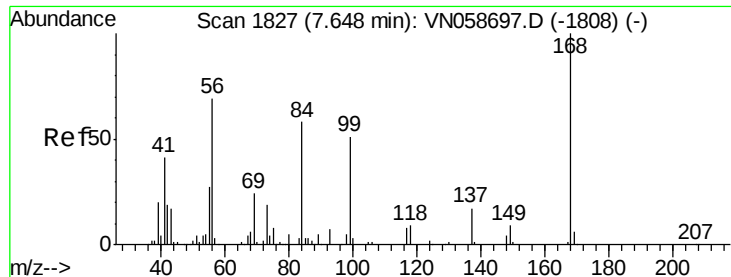
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
Data File : VN058780.D
Acq On : 15 Oct 2019 14:26
Operator : JC/SP
Sample : VN1015WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Quant Time: Oct 16 04:16:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

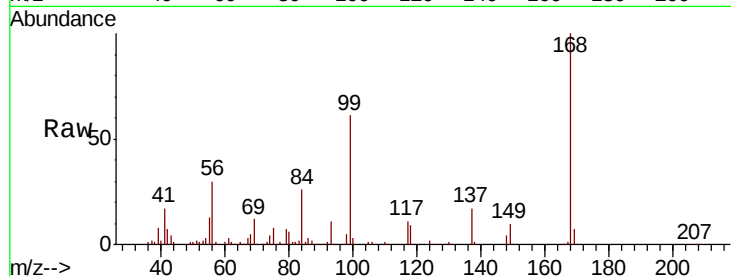
VN1015WBSD01

Tot Ion:168 Resp: 391961

Ion Ratio Lower Upper

168 100

99 60.4 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

150000

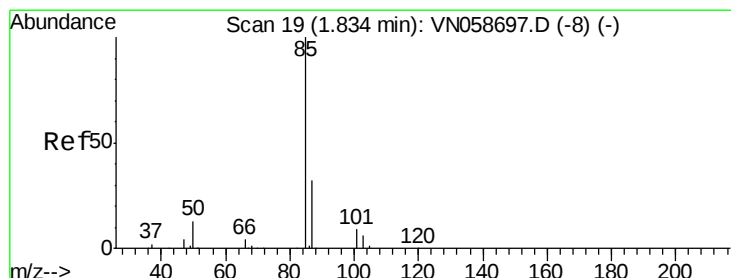
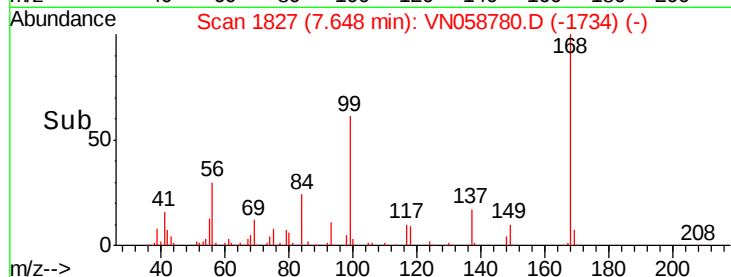
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.653 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058780.D

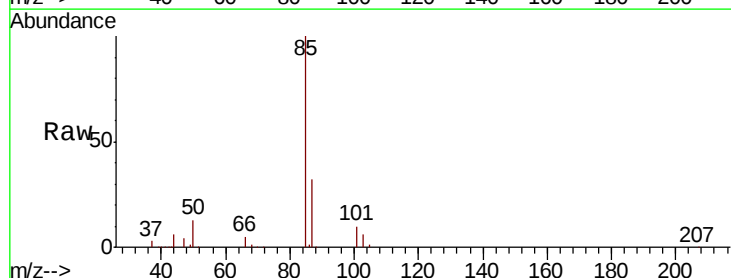
Acq: 15 Oct 2019 14:26

Tgt Ion: 85 Resp: 100820

Ion Ratio Lower Upper

85 100

87 31.6 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

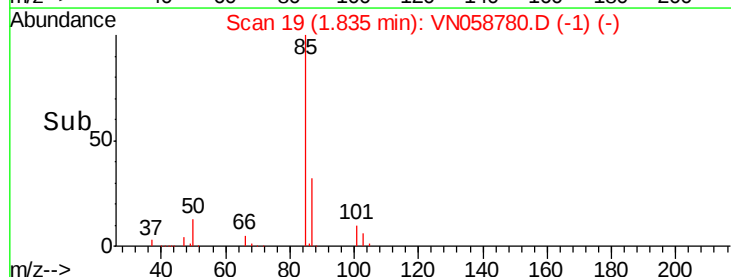
40000

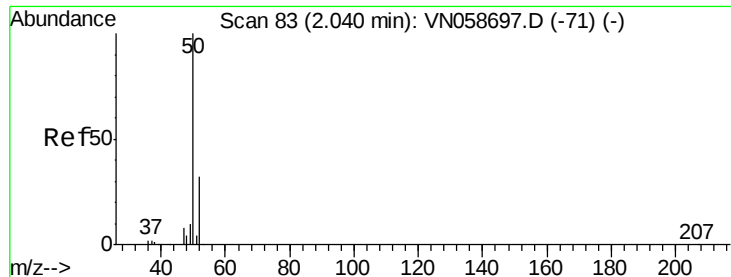
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.633 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

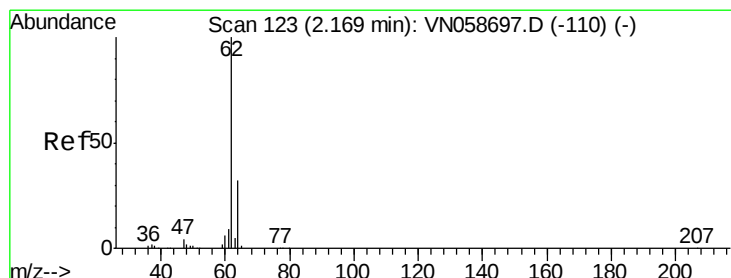
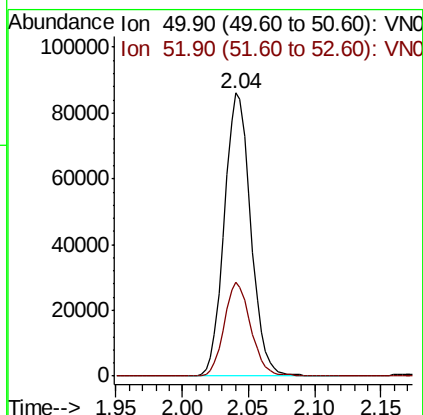
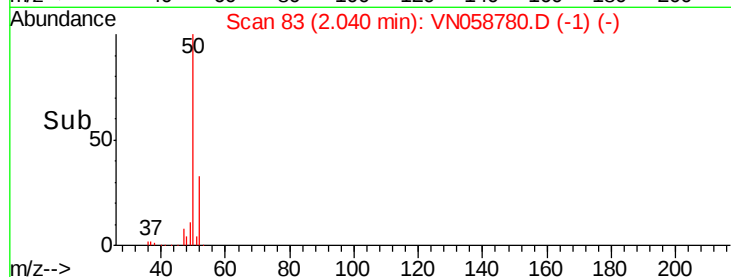
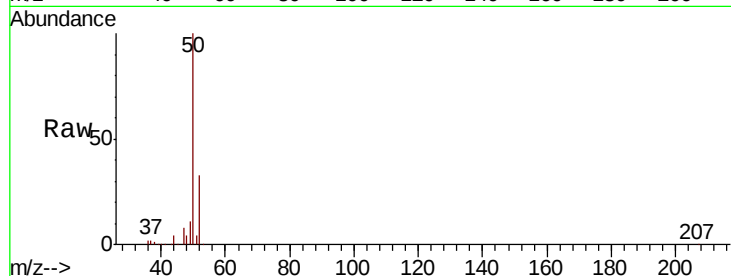
VN1015WBSD01

Tot Ion: 50 Resp: 119772

Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.6



#4

Vinyl Chloride

Concen: 20.819 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058780.D

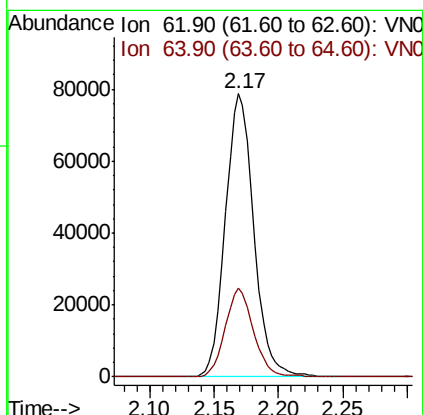
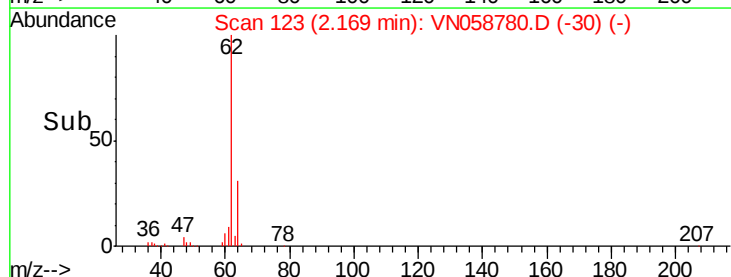
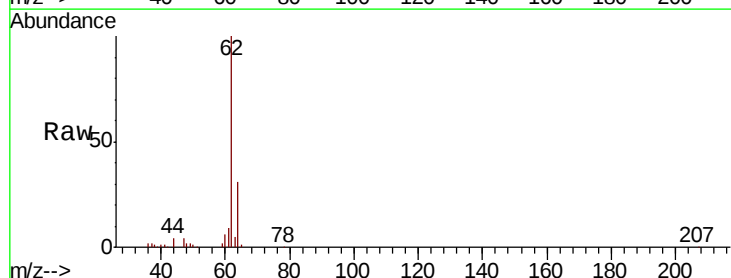
Acq: 15 Oct 2019 14:26

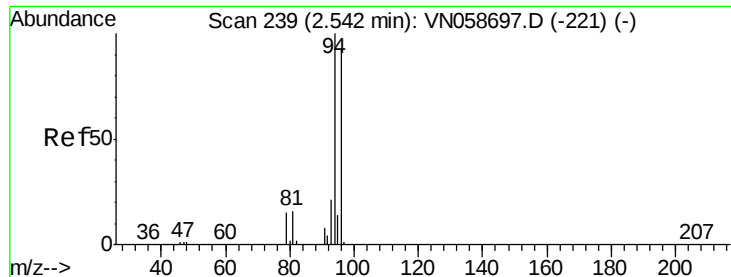
Tgt Ion: 62 Resp: 120363

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 21.556 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

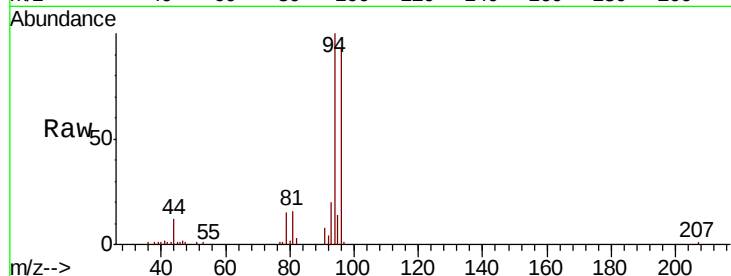
VN1015WBSD01

Tot Ion: 94 Resp: 75813

Ion Ratio Lower Upper

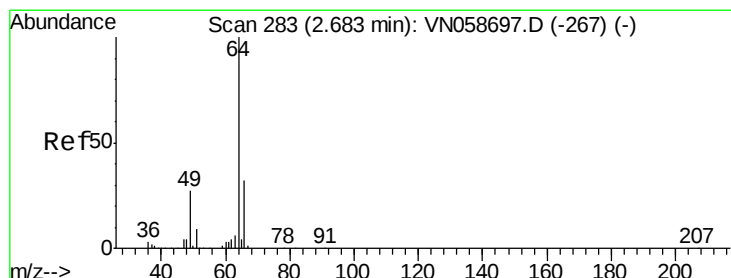
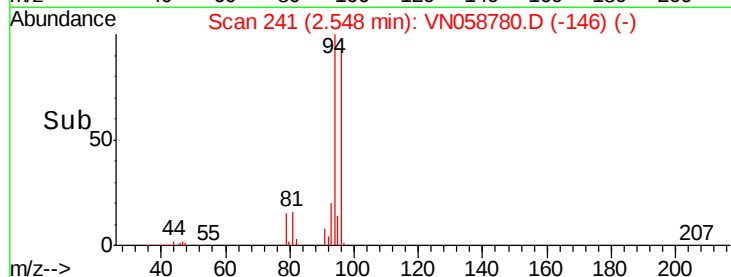
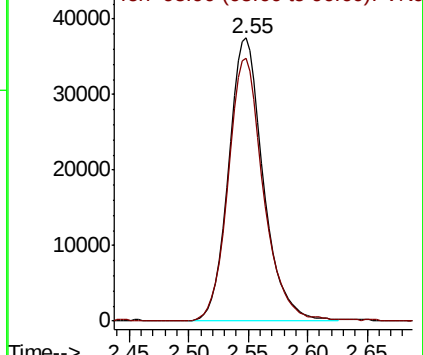
94 100

96 92.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.390 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058780.D

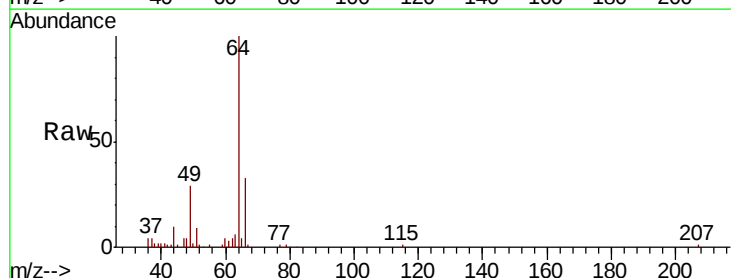
Acq: 15 Oct 2019 14:26

Tgt Ion: 64 Resp: 76280

Ion Ratio Lower Upper

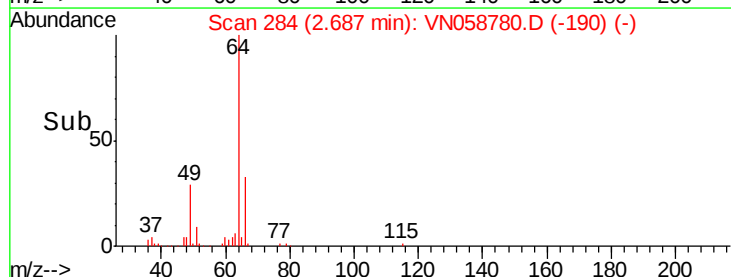
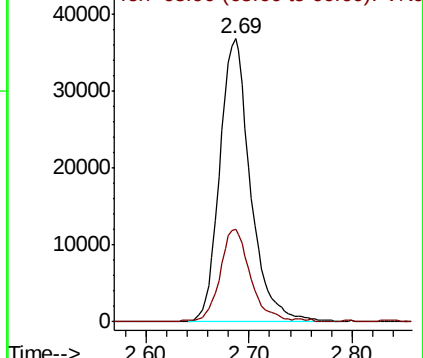
64 100

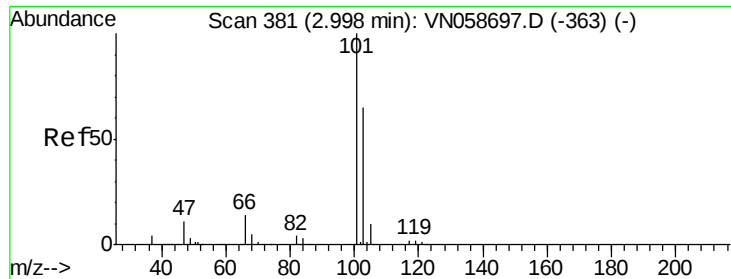
66 32.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



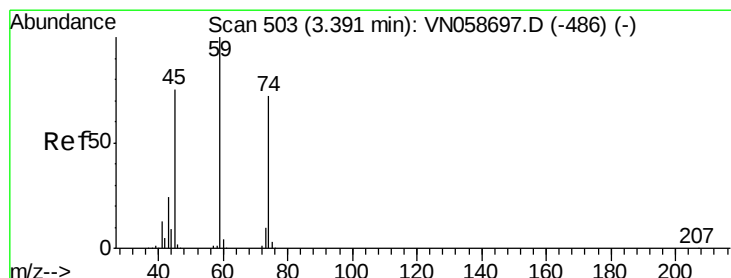
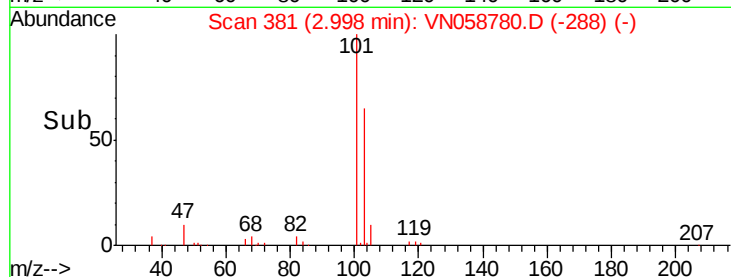
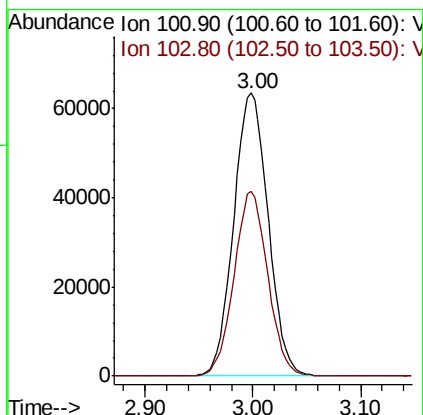
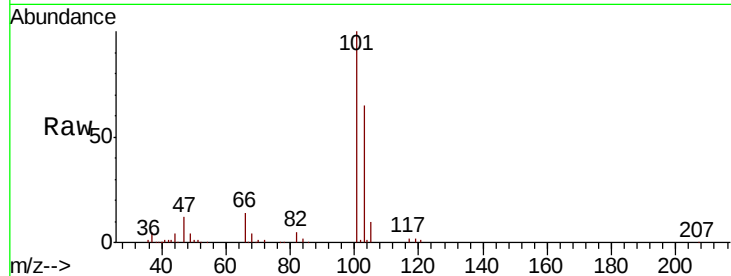


#7

Trichlorofluoromethane
 Concen: 20.434 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

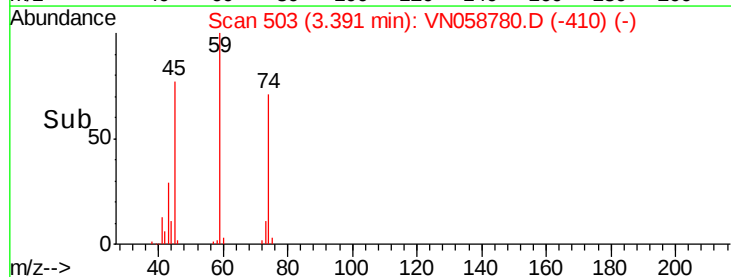
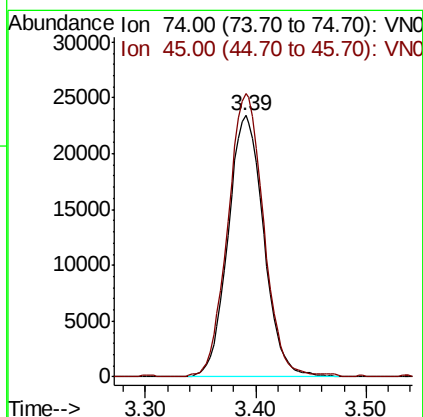
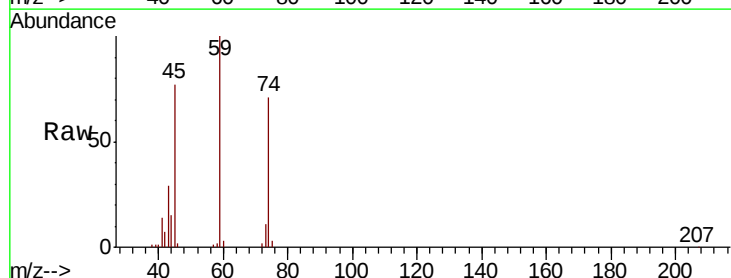
Tot Ion:101 Resp: 141386
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.8 77.6

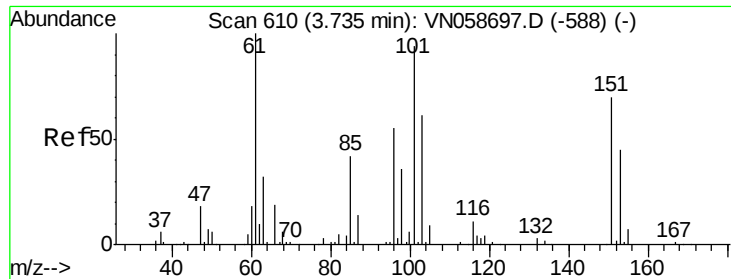


#8

Diethyl Ether
 Concen: 20.509 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion: 74 Resp: 52433
 Ion Ratio Lower Upper
 74 100
 45 108.8 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.997 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

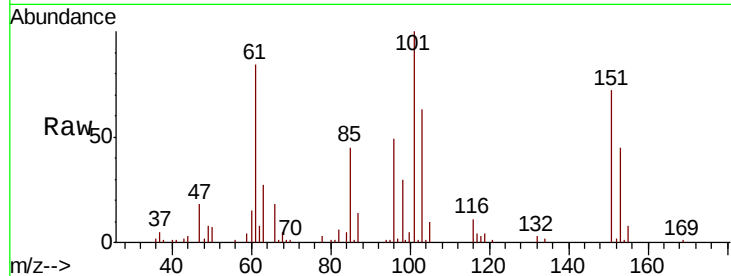
Tot Ion:101 Resp: 82837

Ion Ratio Lower Upper

101 100

85 46.6 37.0 55.6

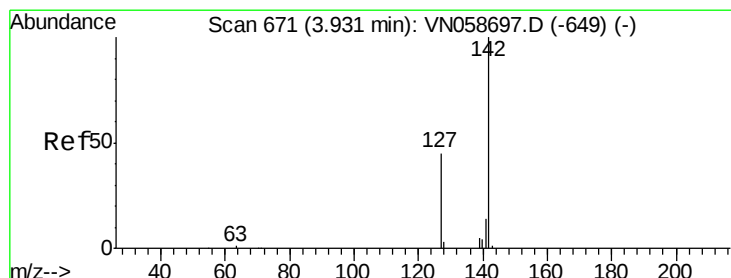
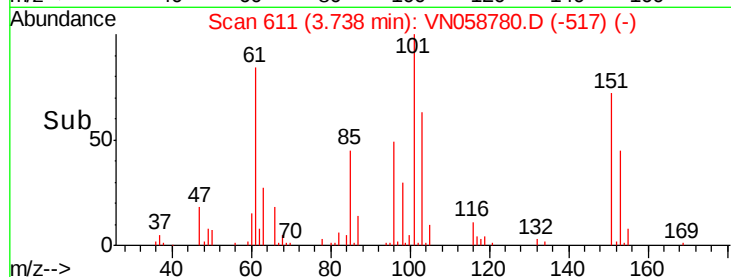
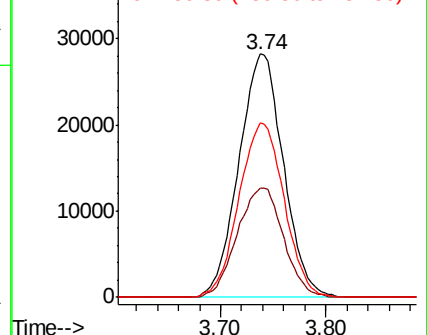
151 72.8 61.8 92.6



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: 19.447 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

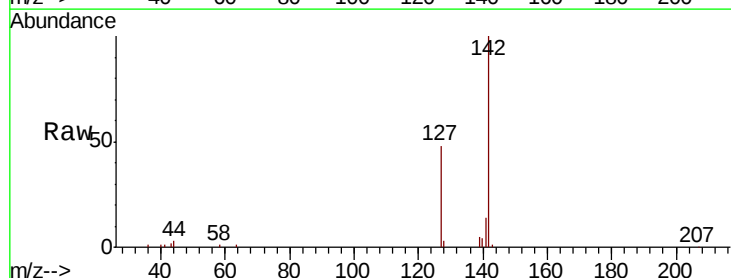
Tgt Ion:142 Resp: 104699

Ion Ratio Lower Upper

142 100

127 46.8 36.4 54.6

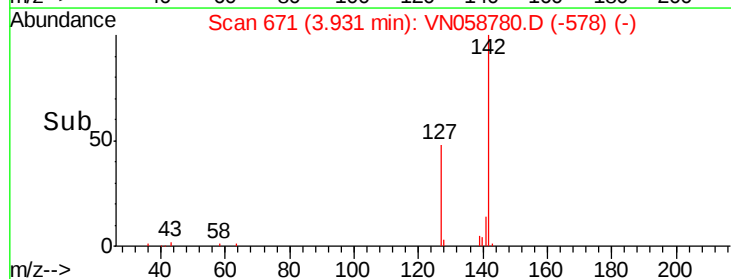
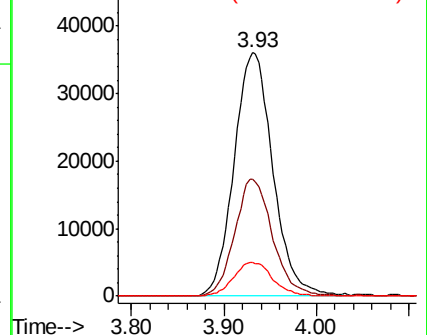
141 14.0 11.1 16.7

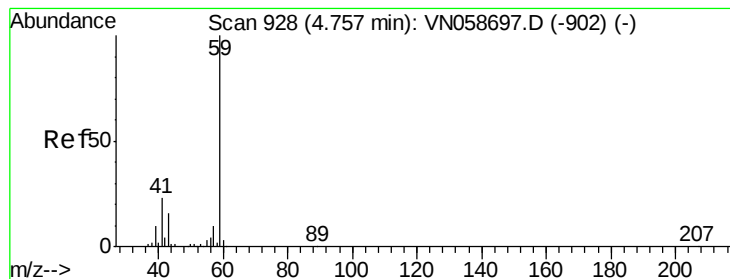


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



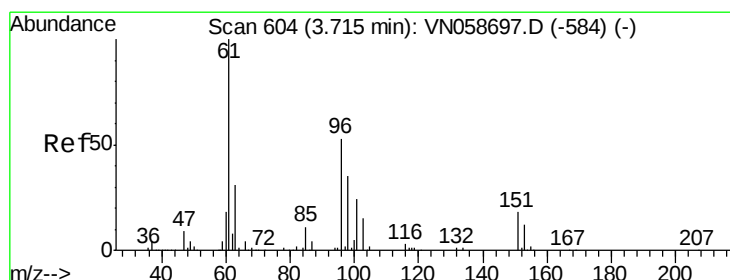
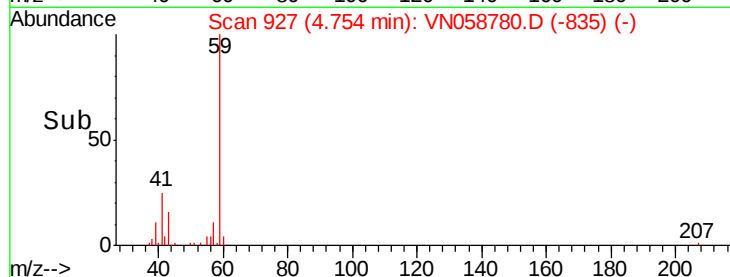
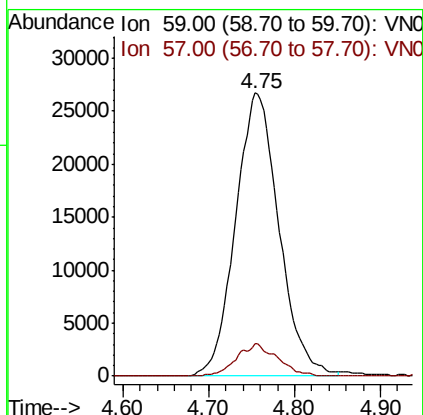
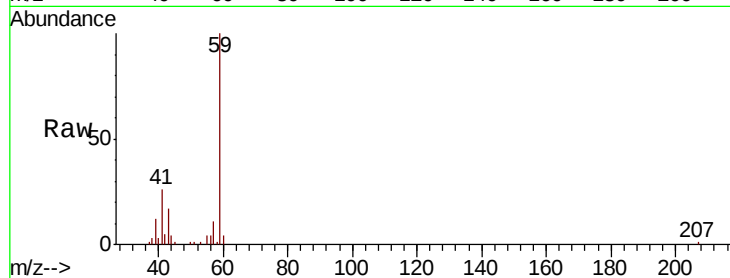


#11

Tert butyl alcohol
 Concen: 105.599 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

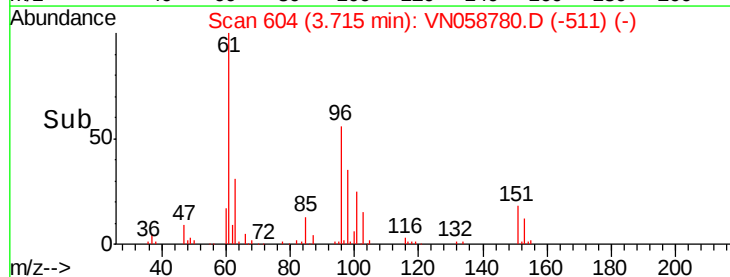
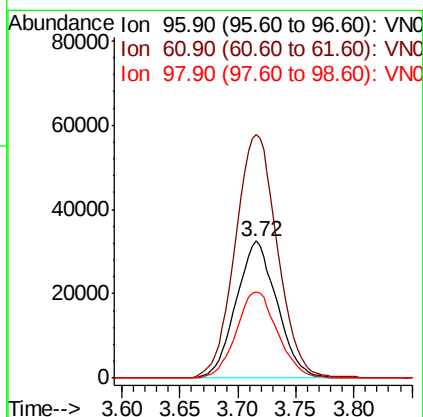
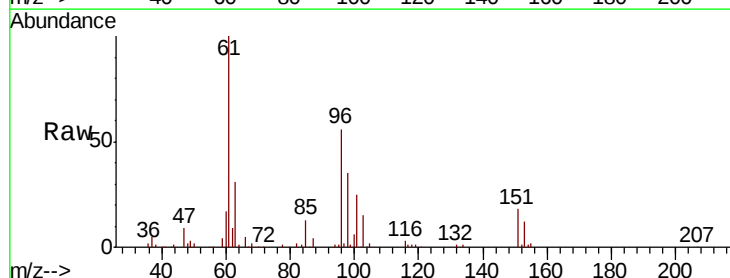
Tot Ion: 59 Resp: 93845
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6

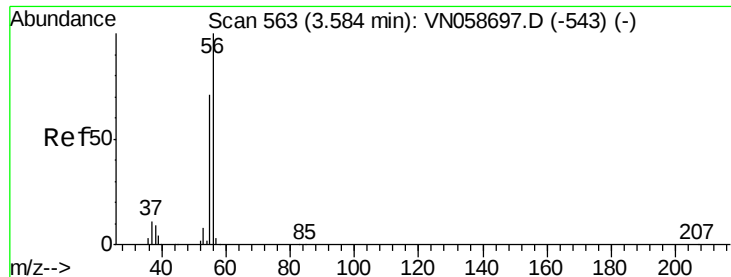


#12

1,1-Dichloroethene
 Concen: 21.149 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion: 96 Resp: 79611
 Ion Ratio Lower Upper
 96 100
 61 177.8 151.3 226.9
 98 63.0 52.6 78.8





#13

Acrolein

Concen: 77.663 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

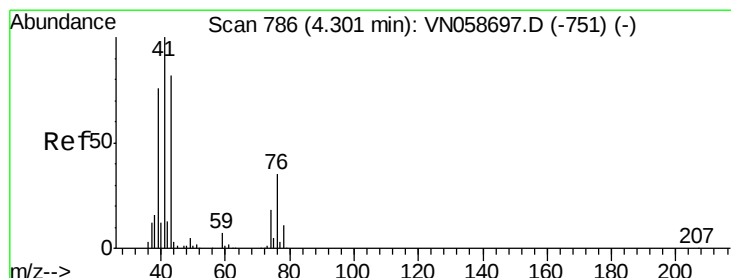
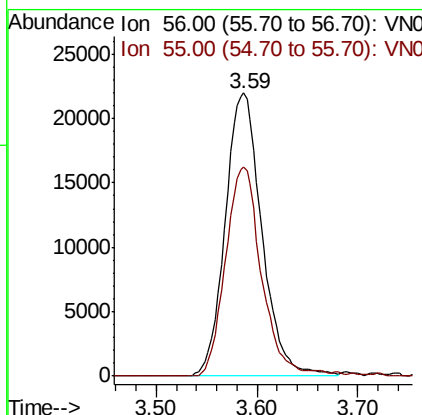
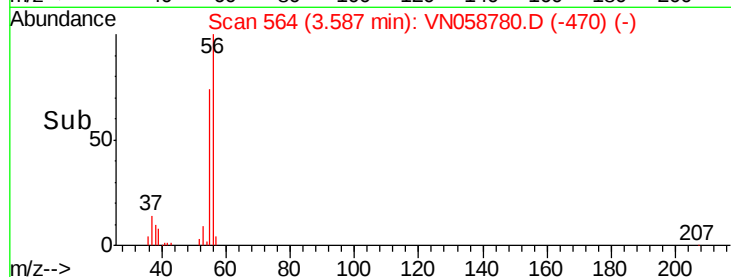
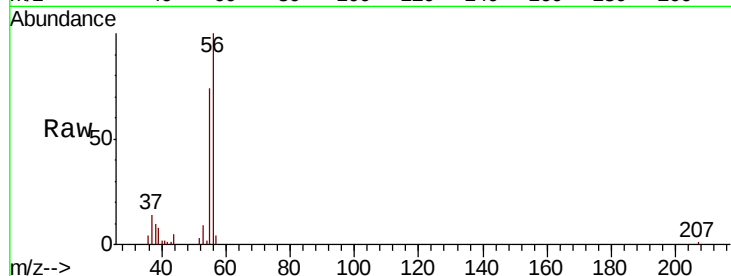
VN1015WBSD01

Tot Ion: 56 Resp: 55508

Ion Ratio Lower Upper

56 100

55 71.6 56.7 85.1



#14

Allyl chloride

Concen: 20.378 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

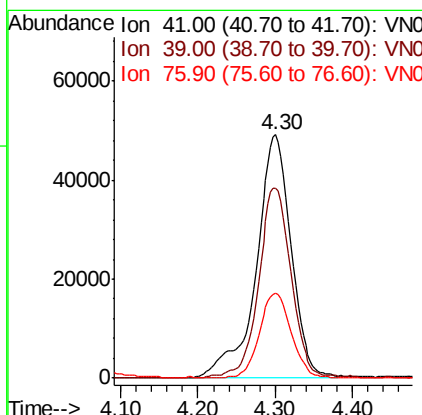
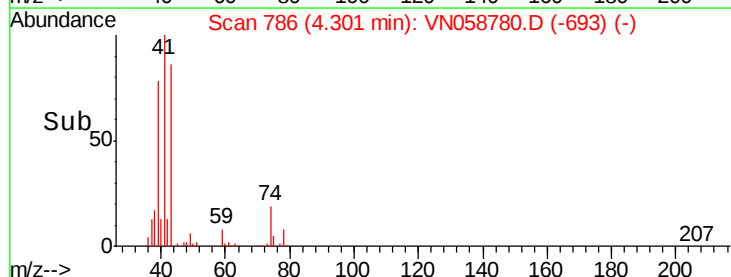
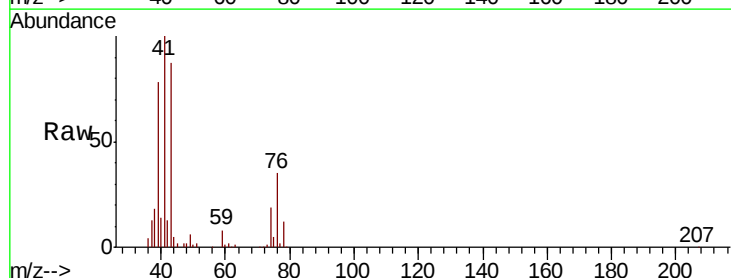
Tgt Ion: 41 Resp: 154798

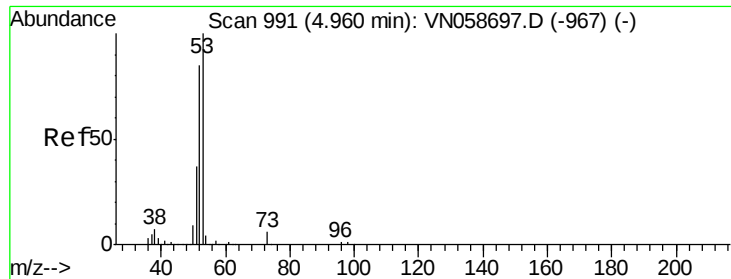
Ion Ratio Lower Upper

41 100

39 72.3 57.2 85.8

76 31.8 25.0 37.6





#15

Acrylonitrile

Concen: 110.313 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

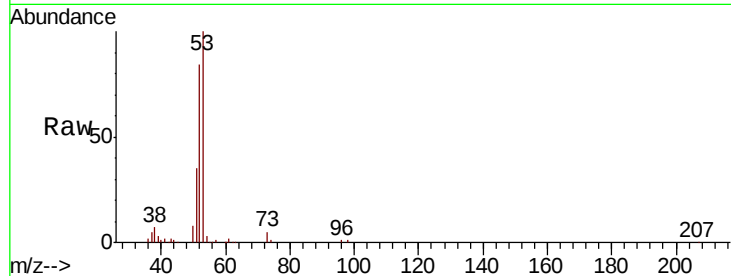
Tot Ion: 53 Resp: 247228

Ion Ratio Lower Upper

53 100

52 82.1 66.2 99.2

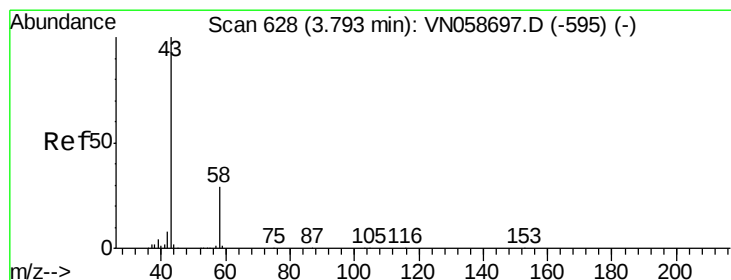
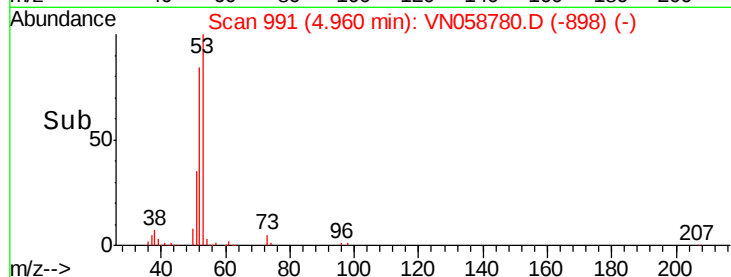
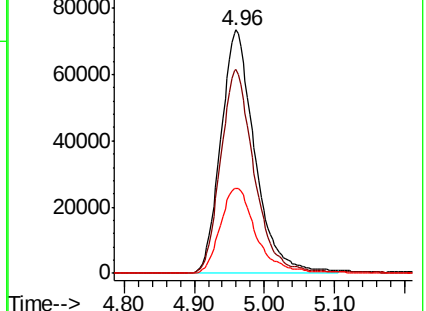
51 36.7 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 107.603 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058780.D

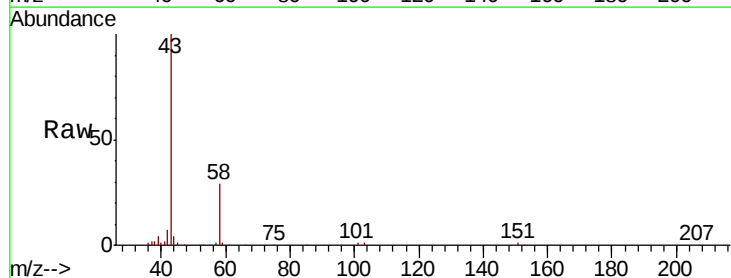
Acq: 15 Oct 2019 14:26

Tgt Ion: 43 Resp: 244447

Ion Ratio Lower Upper

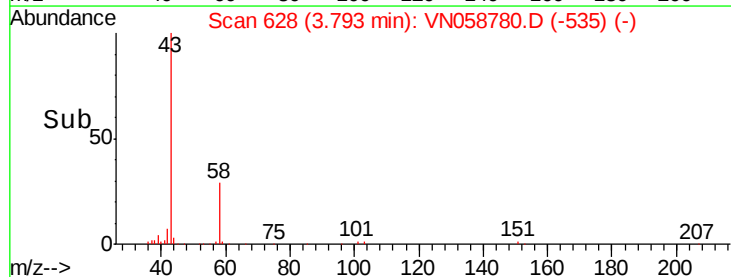
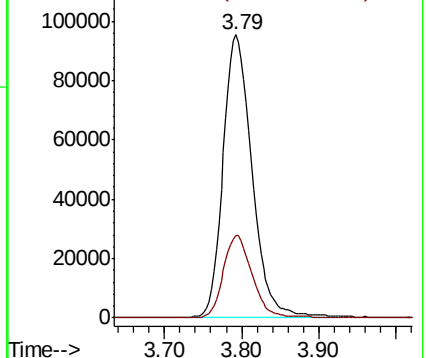
43 100

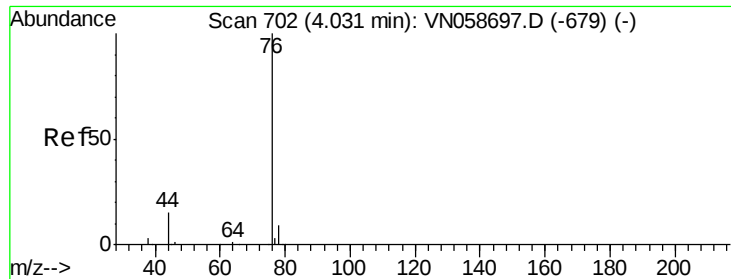
58 29.3 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.955 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

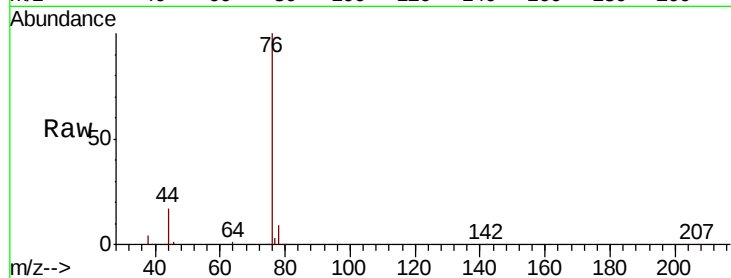
VN1015WBSD01

Tot Ion: 76 Resp: 240113

Ion Ratio Lower Upper

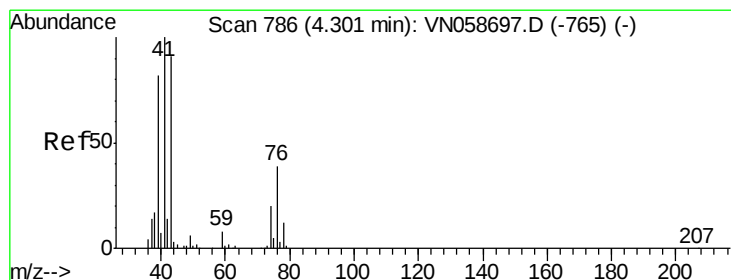
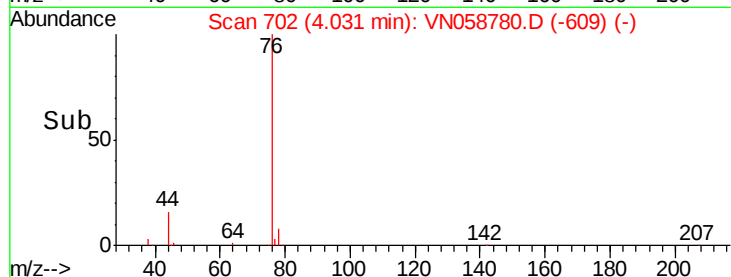
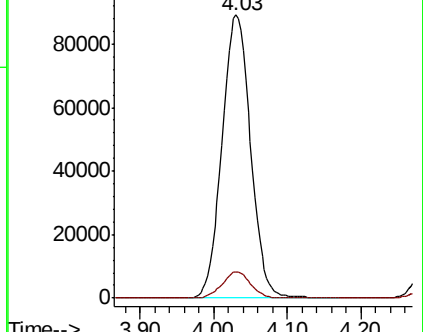
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN058697.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058697.D (-679) (-)



#18

Methyl Acetate

Concen: 21.992 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058780.D

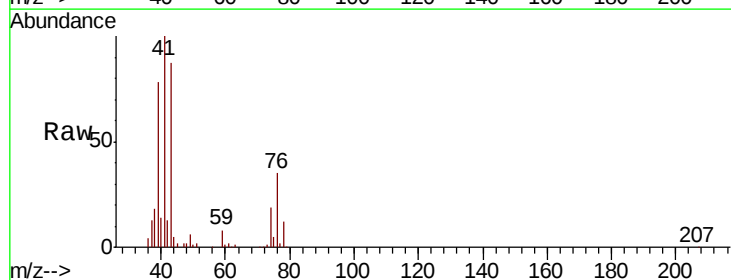
Acq: 15 Oct 2019 14:26

Tgt Ion: 43 Resp: 126730

Ion Ratio Lower Upper

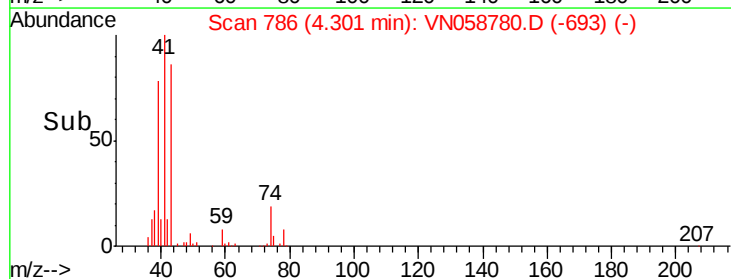
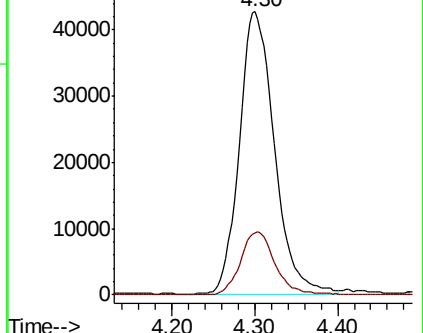
43 100

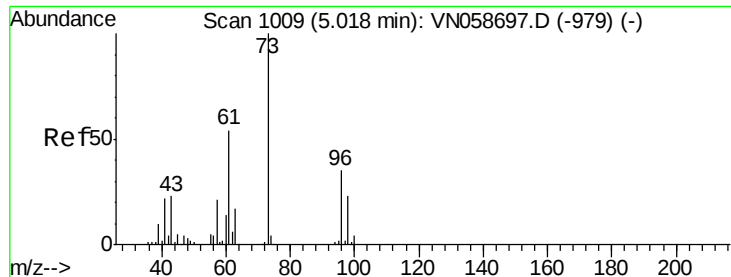
74 21.6 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-765) (-)

Ion 74.00 (73.70 to 74.70): VN058697.D (-765) (-)

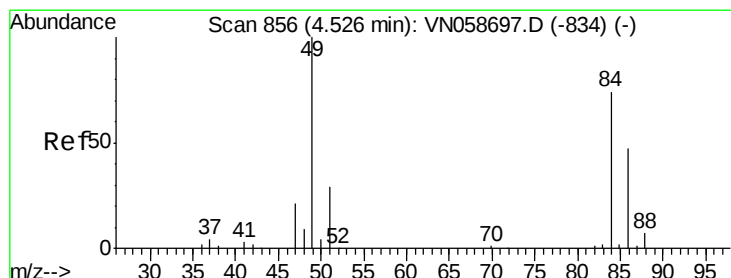
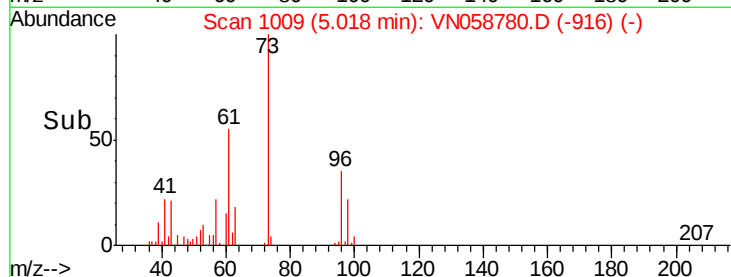
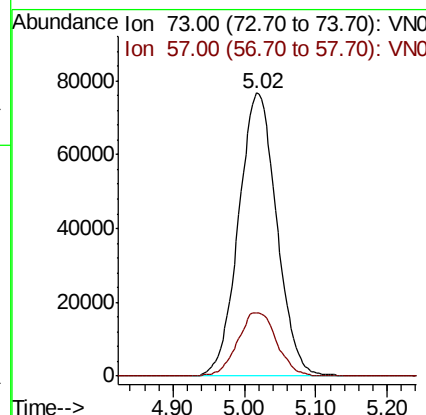
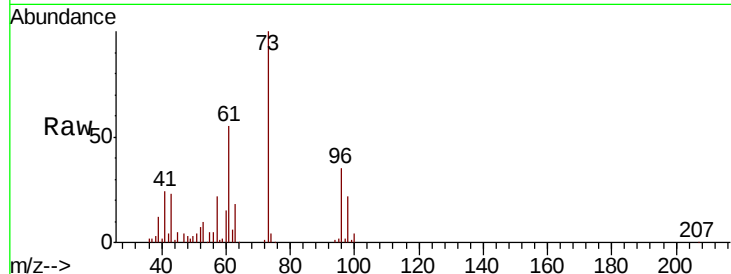




#19
Methyl tert-butyl Ether
Concen: 21.199 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

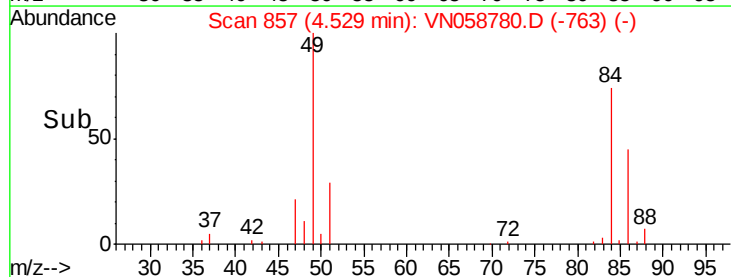
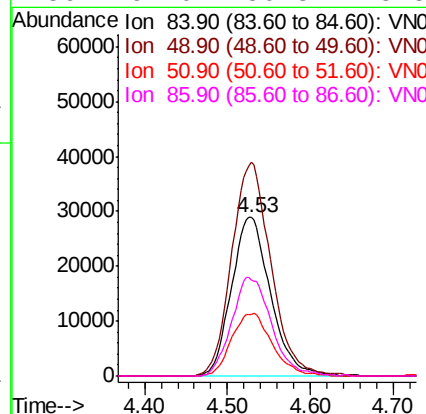
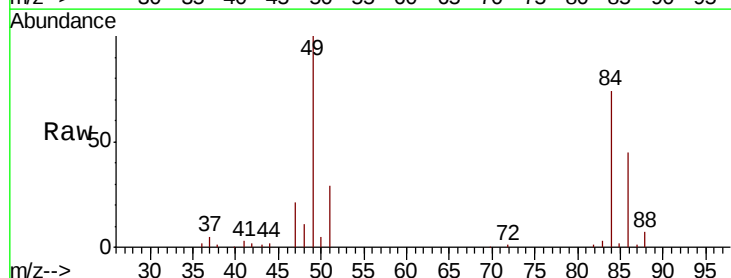
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

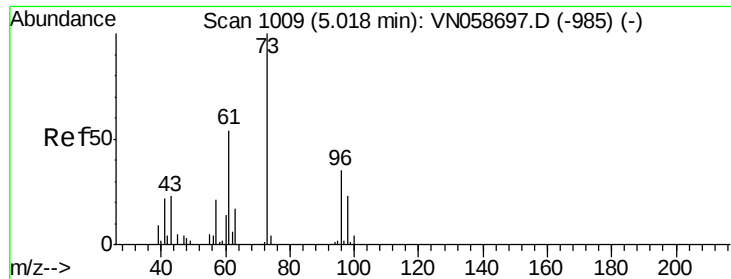
Tot Ion: 73 Resp: 284949
Ion Ratio Lower Upper
73 100
57 22.4 17.0 25.6



#20
Methylene Chloride
Concen: 19.965 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion: 84 Resp: 94793
Ion Ratio Lower Upper
84 100
49 134.7 107.6 161.4
51 39.0 31.4 47.0
86 61.0 50.3 75.5

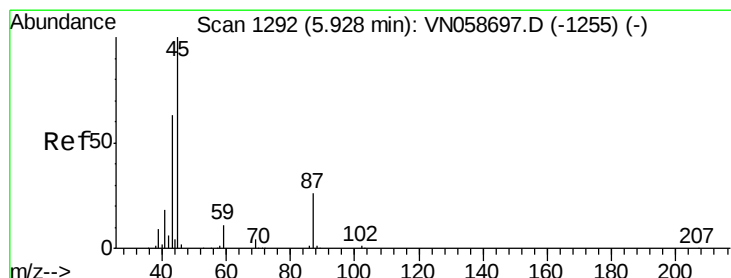
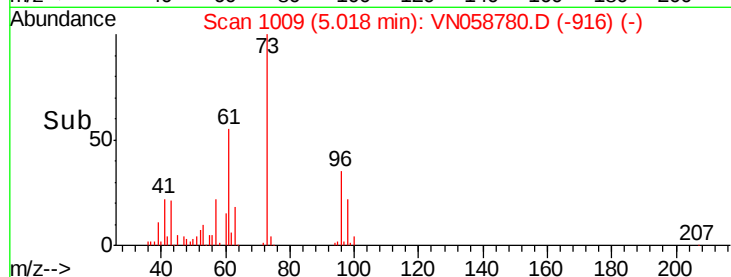
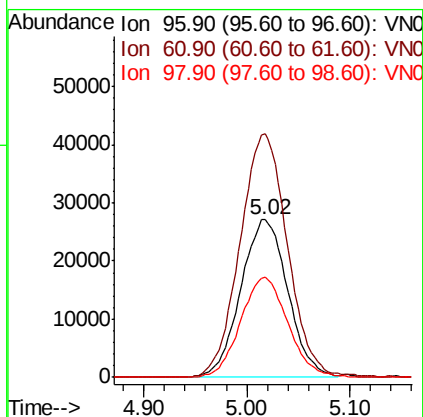
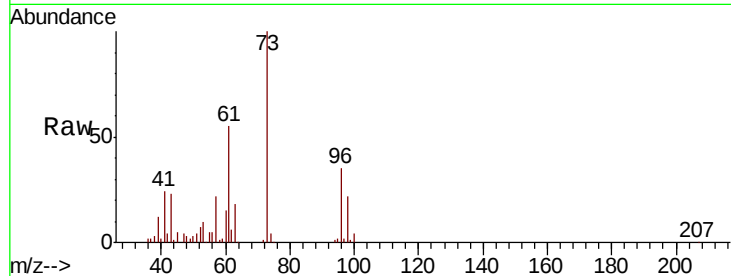




#21
trans-1,2-Dichloroethene
Concen: 20.453 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

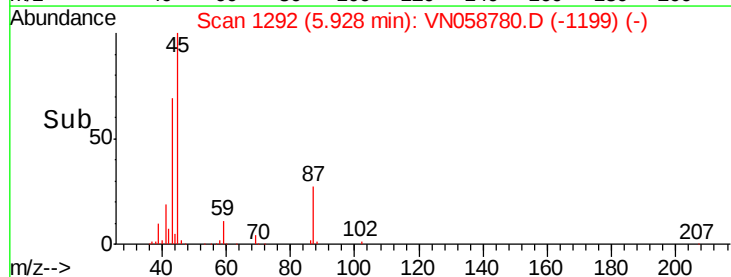
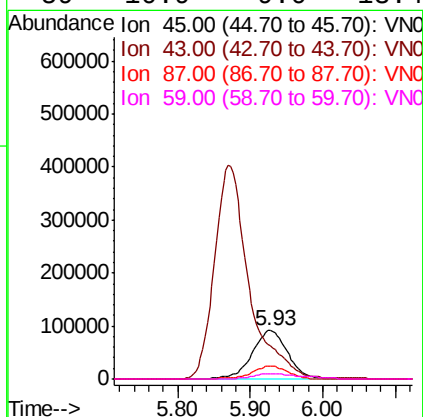
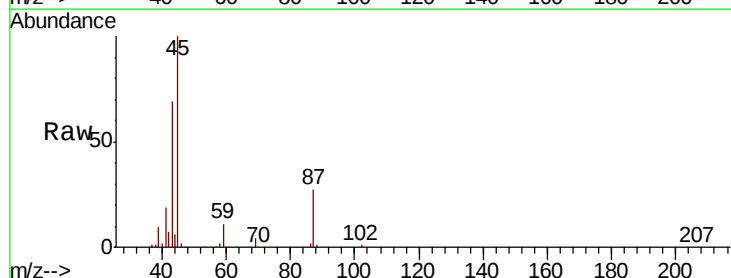
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

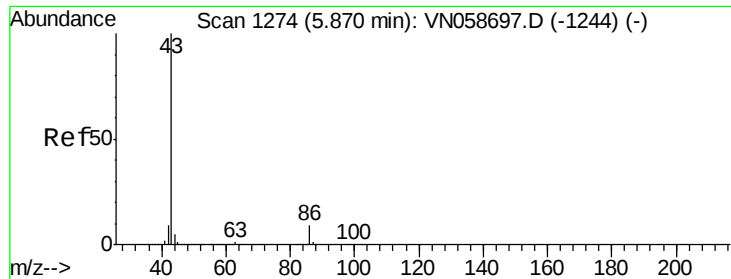
Tot Ion: 96 Resp: 86119
Ion Ratio Lower Upper
96 100
61 154.5 123.6 185.4
98 63.3 52.1 78.1



#22
Diisopropyl ether
Concen: 21.064 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion: 45 Resp: 311121
Ion Ratio Lower Upper
45 100
43 66.8 50.6 75.8
87 26.8 21.1 31.7
59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 112.236 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

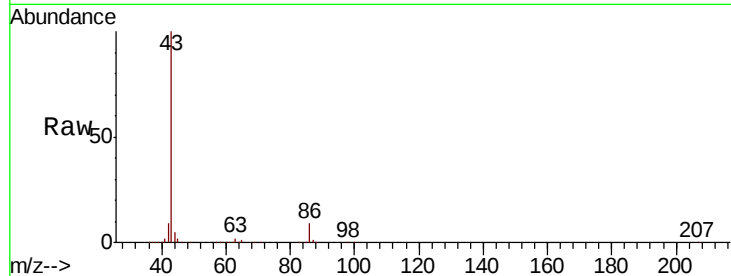
VN1015WBSD01

Tot Ion: 43 Resp: 1337629

Ion Ratio Lower Upper

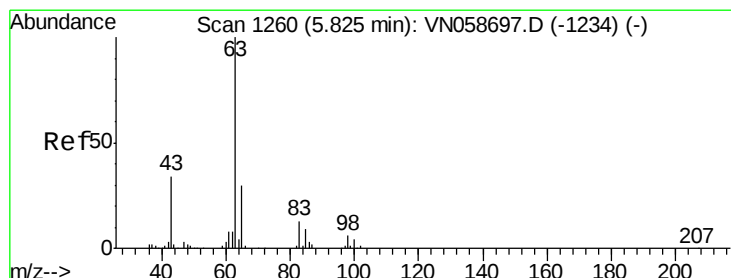
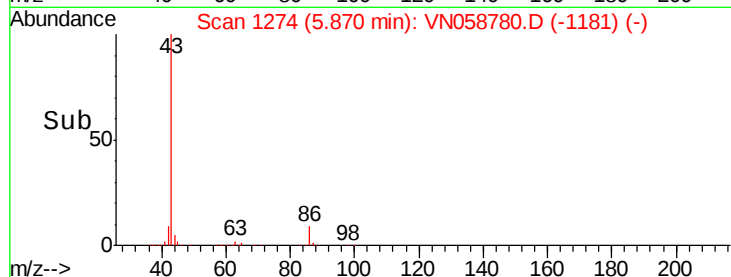
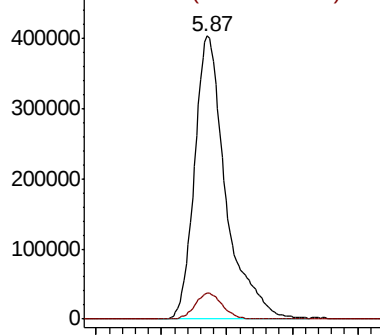
43 100

86 9.1 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.496 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

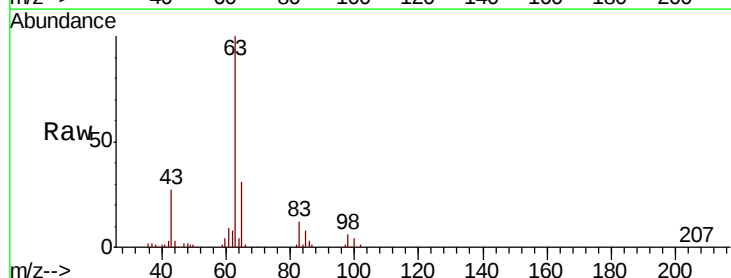
Tgt Ion: 63 Resp: 180827

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

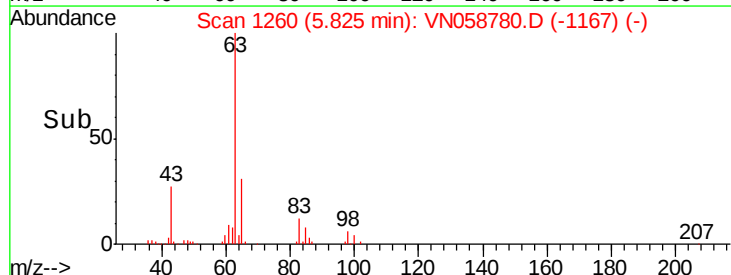
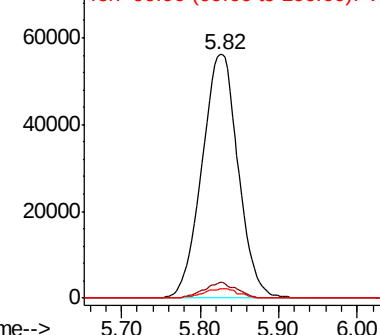
100 3.6 1.8 5.5

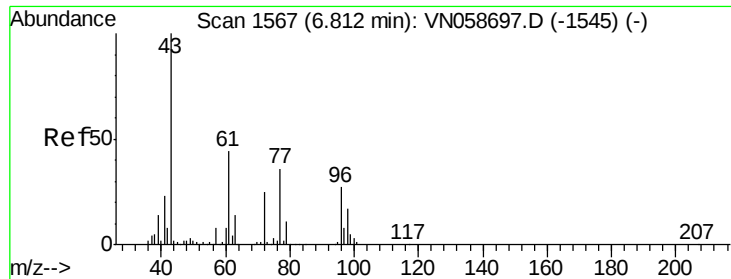


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

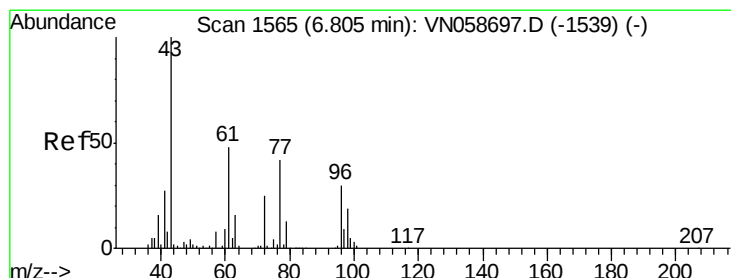
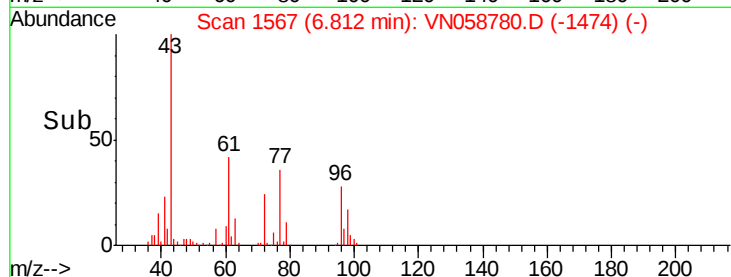
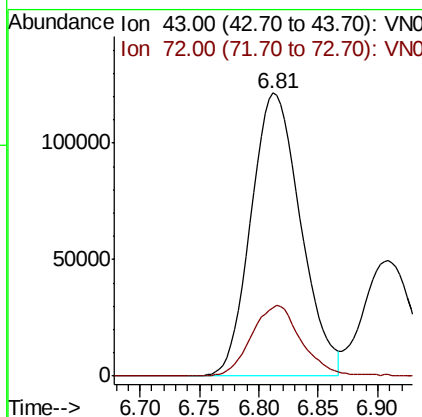
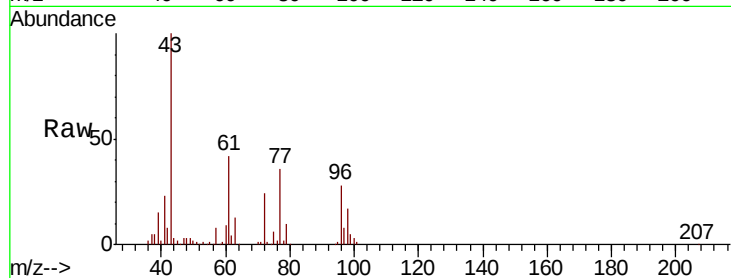




#25
2-Butanone
Concen: 107.322 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

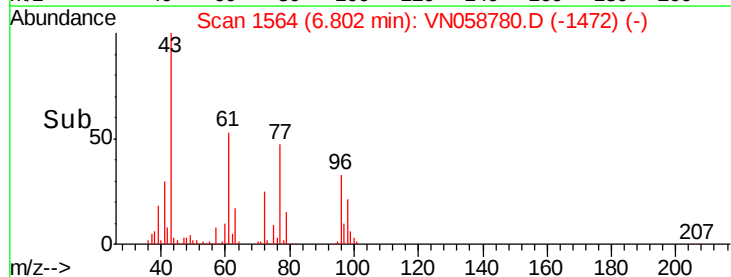
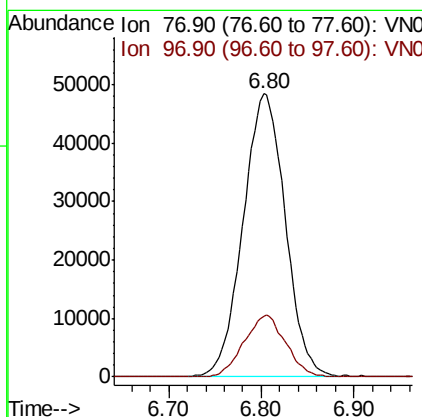
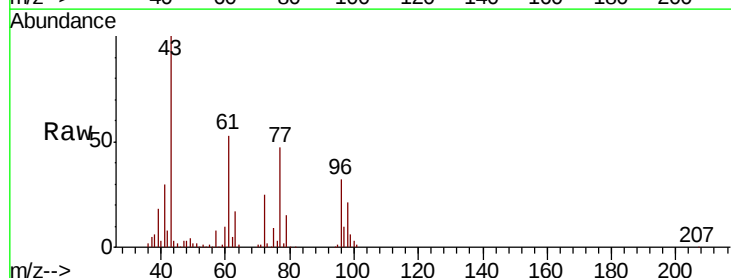
Instrument :
MSVOA_N
ClientSampled :
VN1015WBSD01

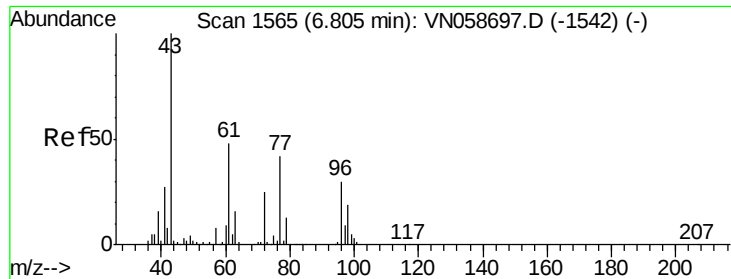
Tot Ion: 43 Resp: 352401
Ion Ratio Lower Upper
43 100
72 24.3 20.2 30.2



#26
2,2-Dichloropropane
Concen: 19.967 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion: 77 Resp: 153321
Ion Ratio Lower Upper
77 100
97 21.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.540 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

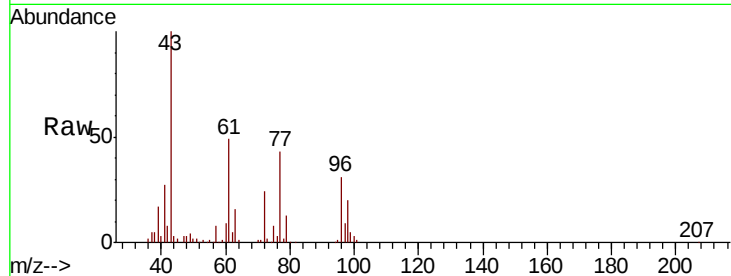
Tot Ion: 96 Resp: 100853

Ion Ratio Lower Upper

96 100

61 160.9 0.0 324.8

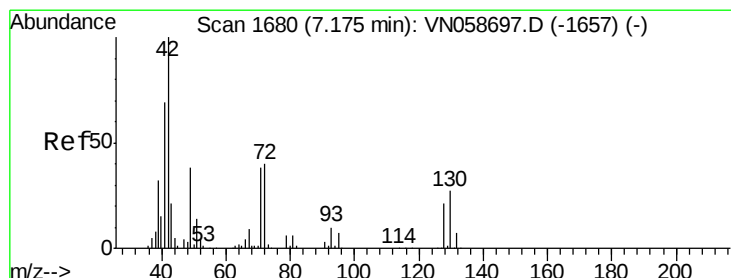
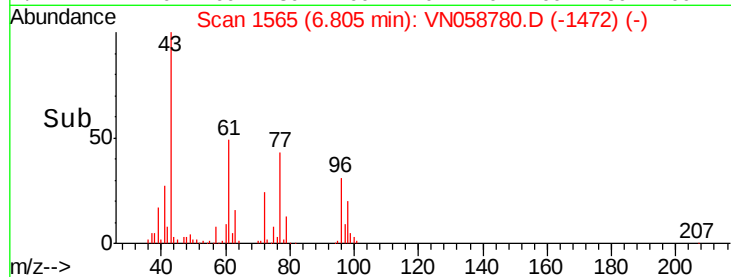
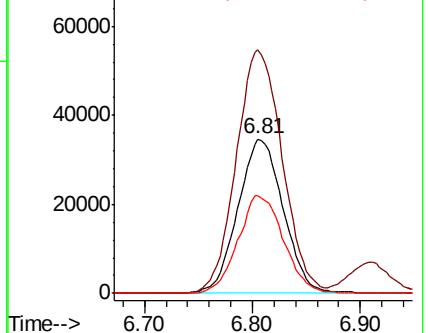
98 63.9 0.0 129.2



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: 20.572 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

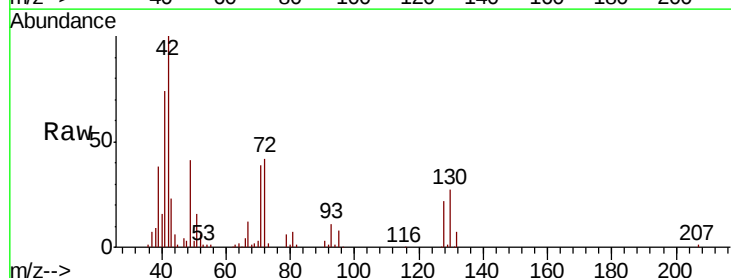
Tgt Ion: 49 Resp: 60204

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.6

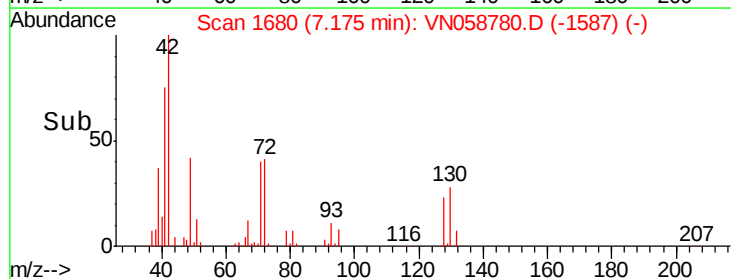
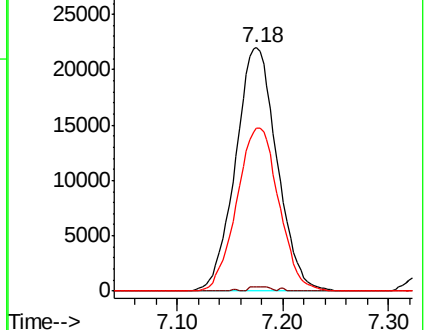
130 67.8 55.0 82.4

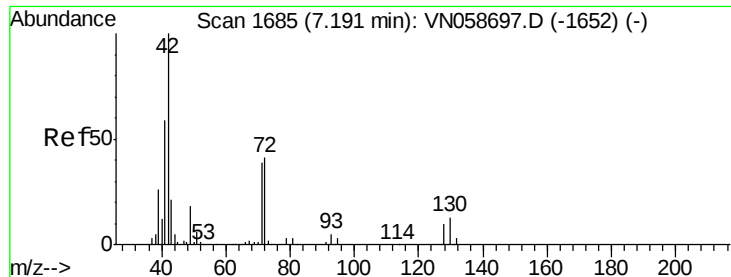


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

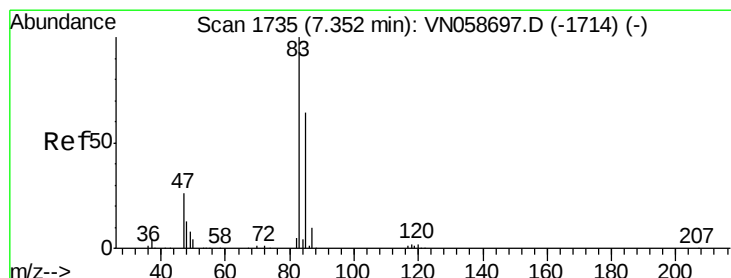
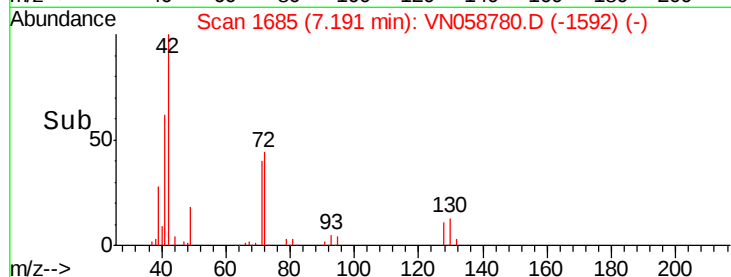
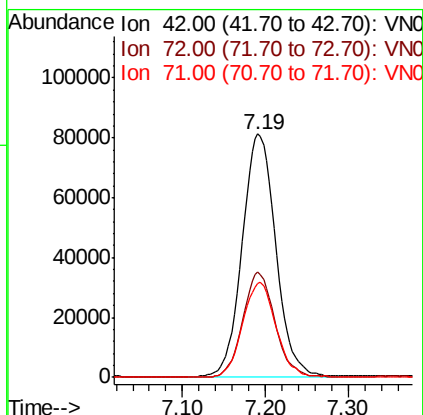
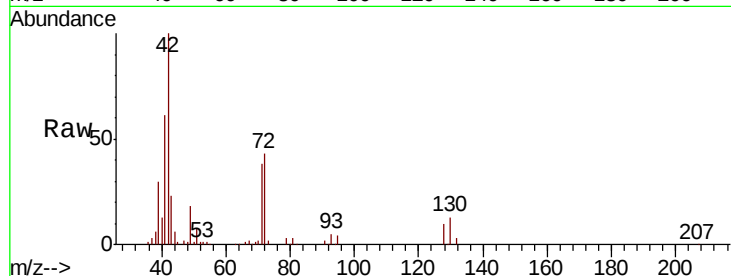




#29
Tetrahydrofuran
Concen: 108.663 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

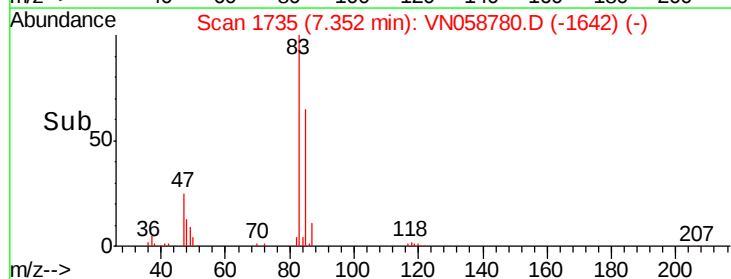
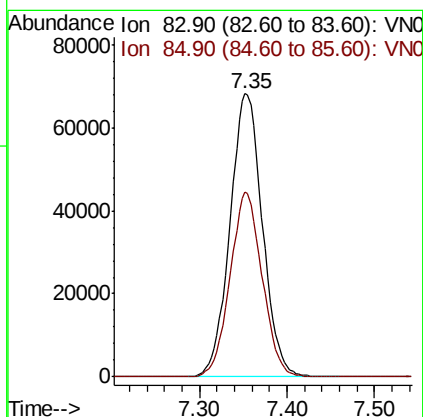
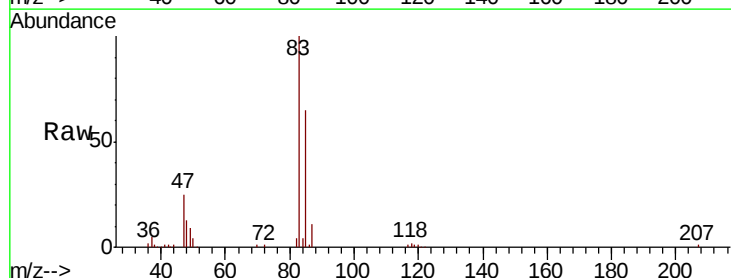
Instrument :
MSVOA_N
ClientSampled :
VN1015WBSD01

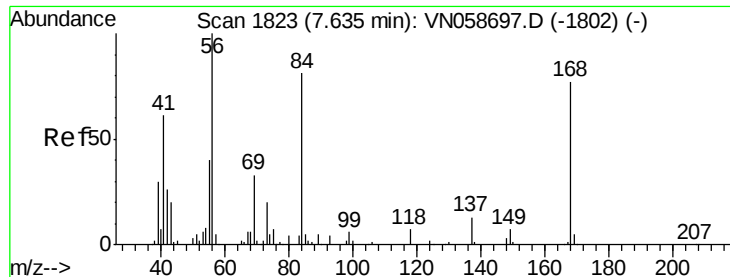
Tot Ion: 42 Resp: 230577
Ion Ratio Lower Upper
42 100
72 40.9 32.8 49.2
71 38.4 31.1 46.7



#30
Chloroform
Concen: 20.785 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion: 83 Resp: 175663
Ion Ratio Lower Upper
83 100
85 65.3 51.0 76.6





#31

Cyclohexane

Concen: 19.719 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

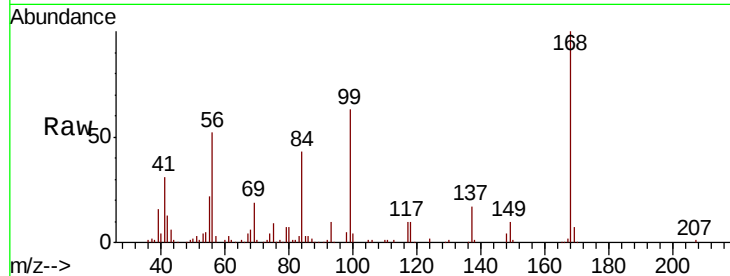
Tot Ion: 56 Resp: 158713

Ion Ratio Lower Upper

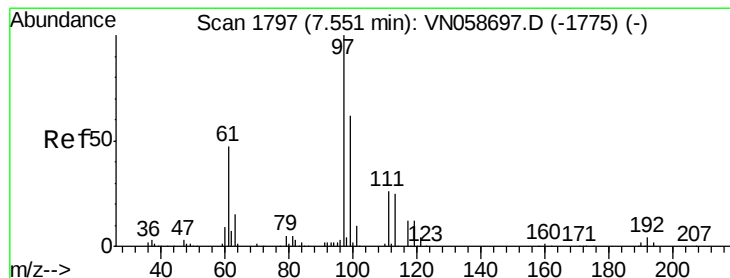
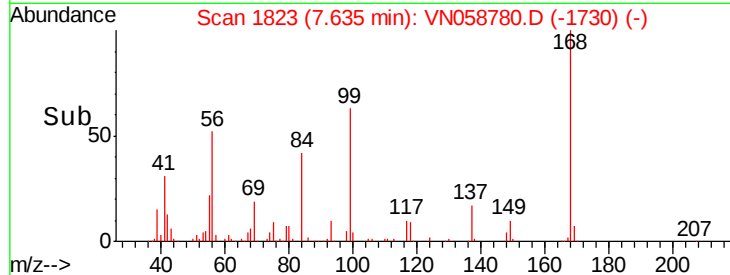
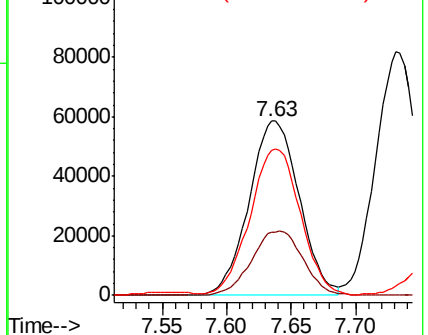
56 100

69 36.3 26.2 39.4

84 81.6 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 21.491 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

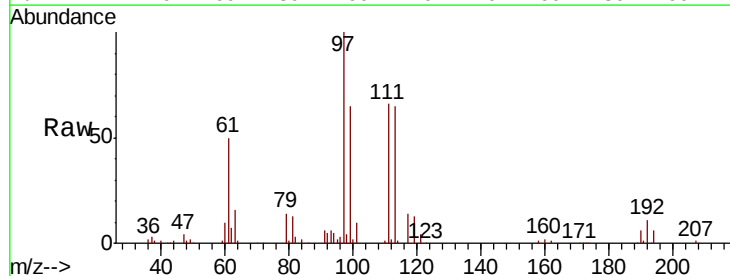
Tgt Ion: 97 Resp: 154898

Ion Ratio Lower Upper

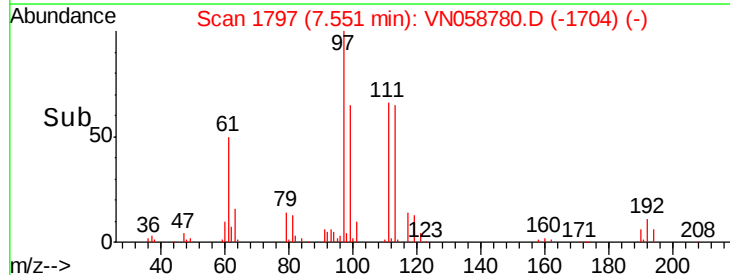
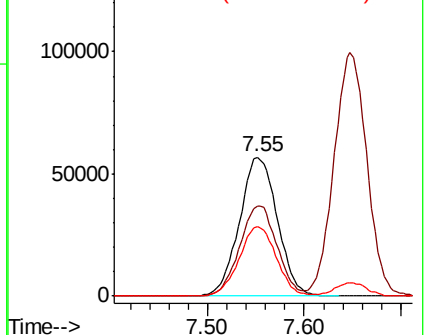
97 100

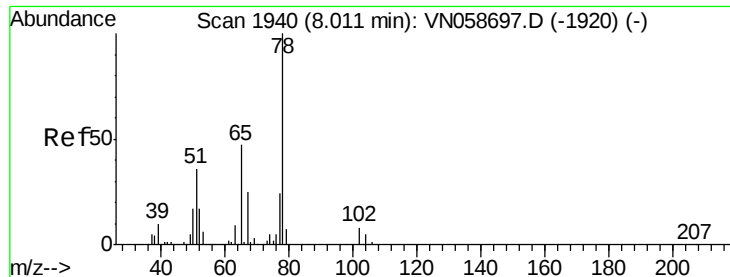
99 63.9 50.8 76.2

61 49.1 38.1 57.1



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

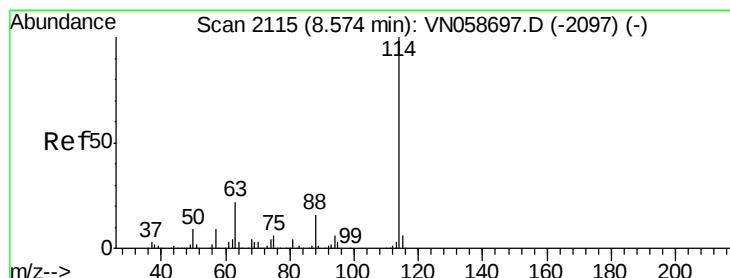
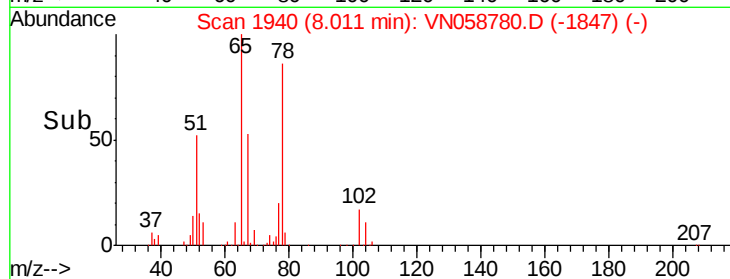
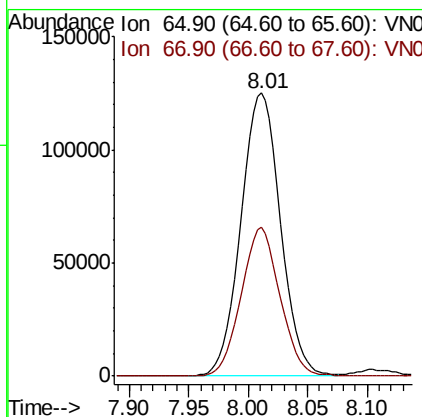
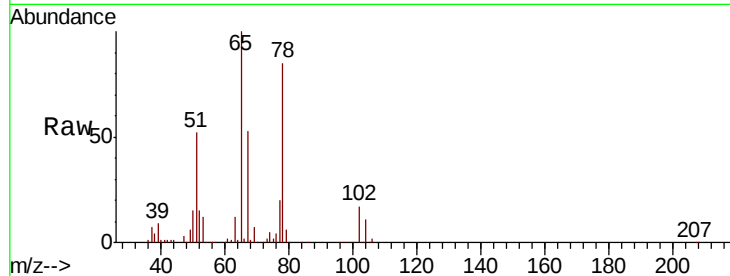




#33
 1,2-Dichloroethane-d4
 Concen: 52.576 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

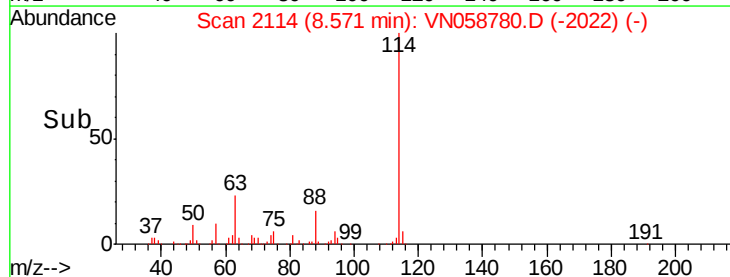
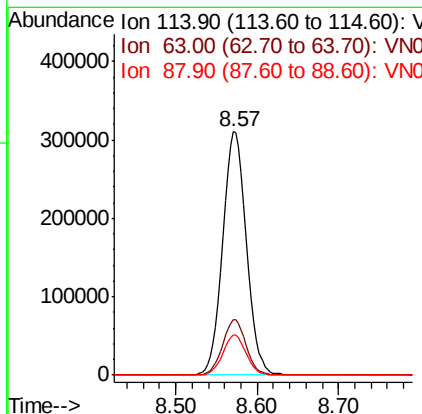
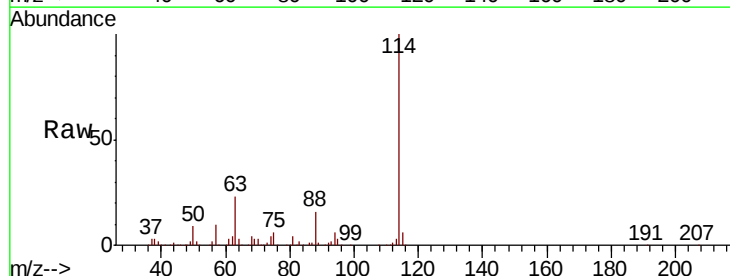
Instrument :
 MSVOA_N
 ClientSampled :
 VN1015WBSD01

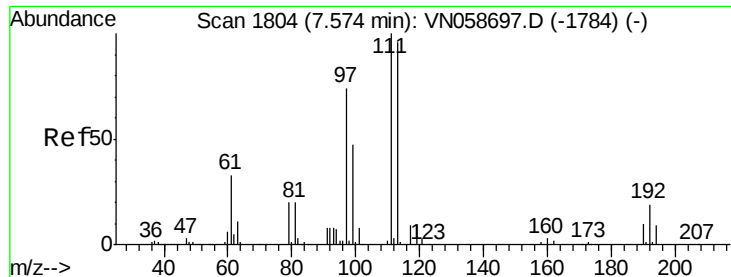
Tot Ion: 65 Resp: 288506
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion: 114 Resp: 640808
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 16.5 0.0 32.0

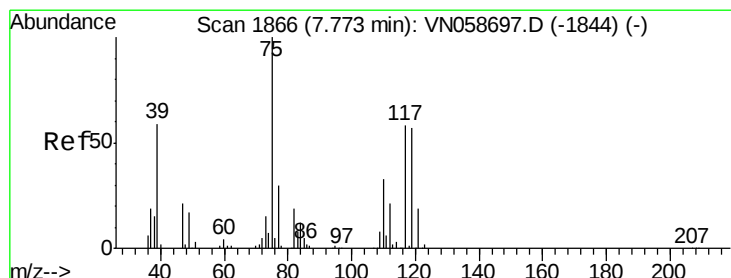
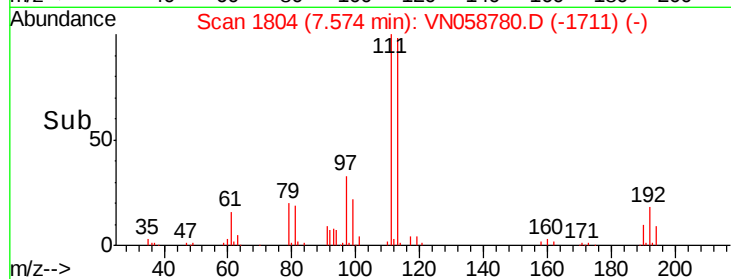
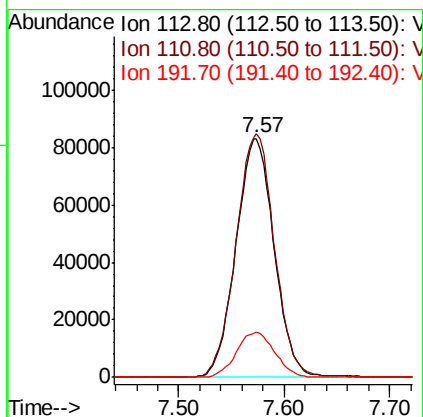
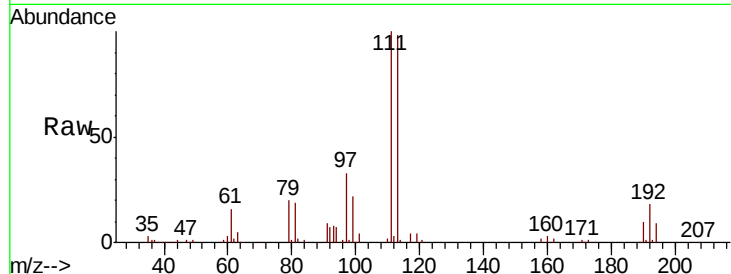




#35
 Dibromofluoromethane
 Concen: 52.662 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

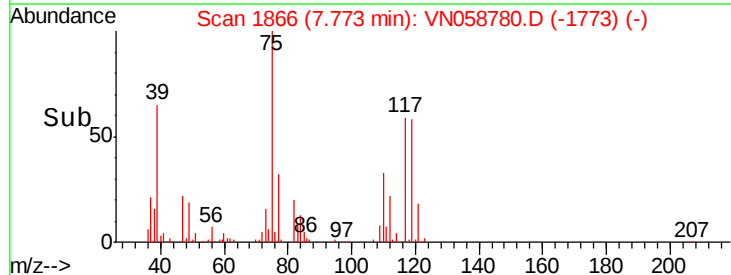
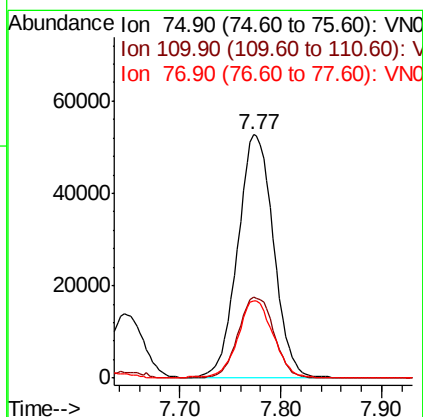
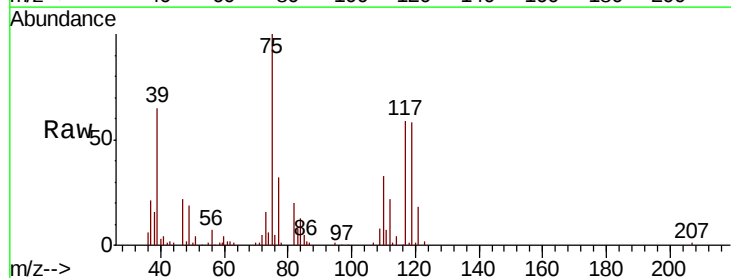
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

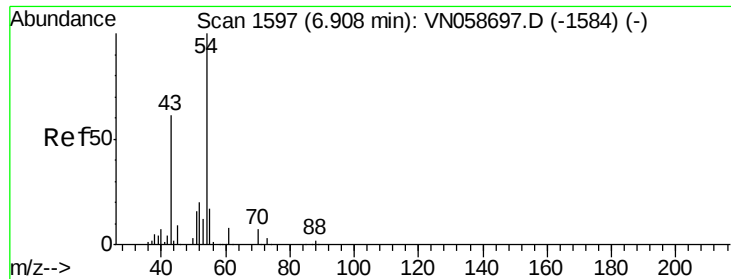
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.3	123.5
192	19.1	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 20.053 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.6	49.8
77	31.8	24.6	37.0

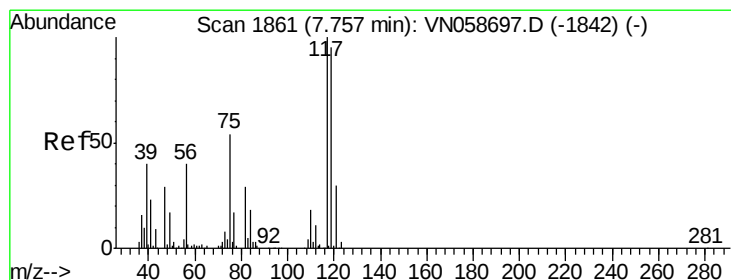
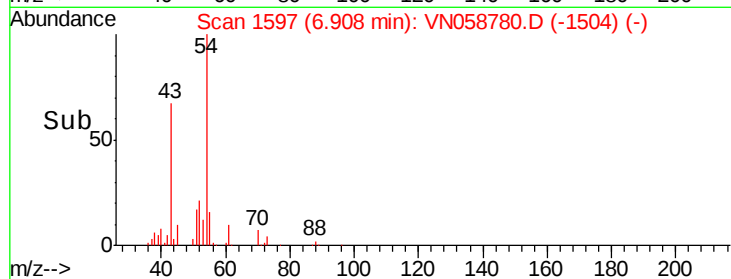
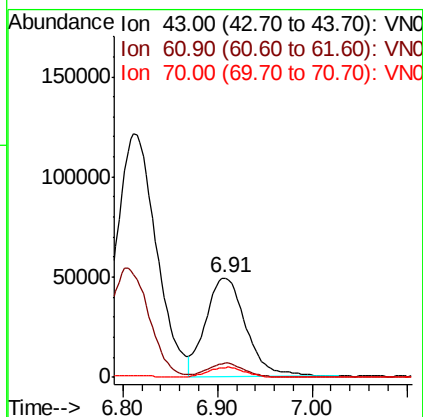
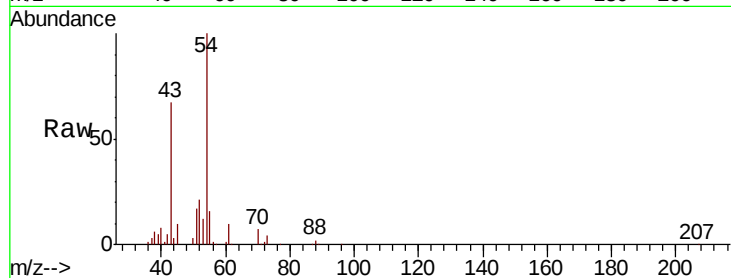




#37
Ethyl Acetate
Concen: 22.197 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

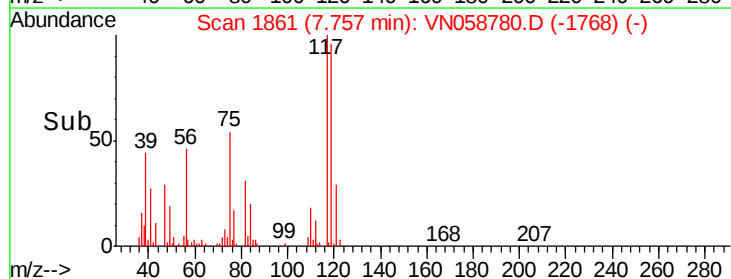
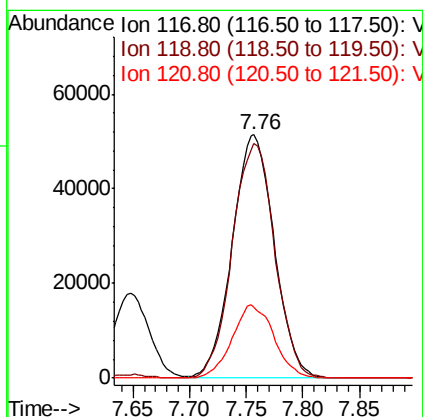
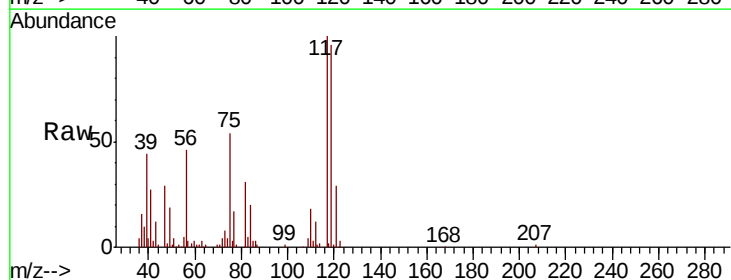
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

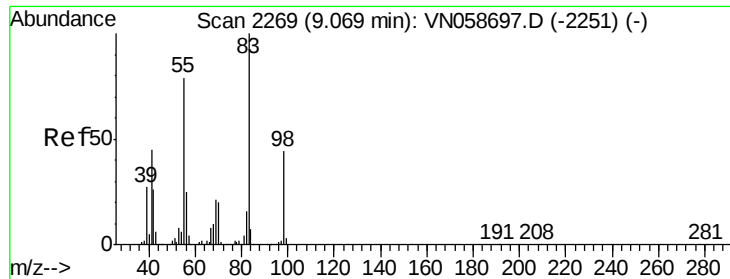
Tot Ion: 43 Resp: 145443
Ion Ratio Lower Upper
43 100
61 12.6 11.3 16.9
70 9.7 7.2 10.8



#38
Carbon Tetrachloride
Concen: 21.033 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion: 117 Resp: 132811
Ion Ratio Lower Upper
117 100
119 96.2 75.7 113.5
121 29.0 23.9 35.9

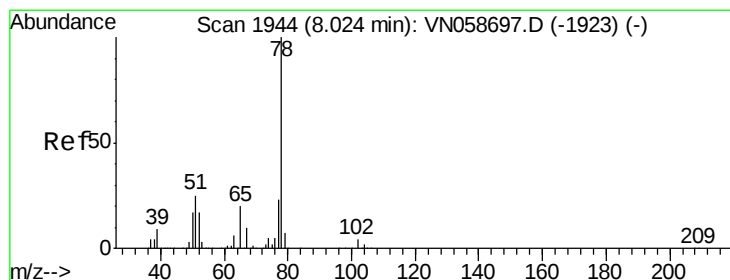
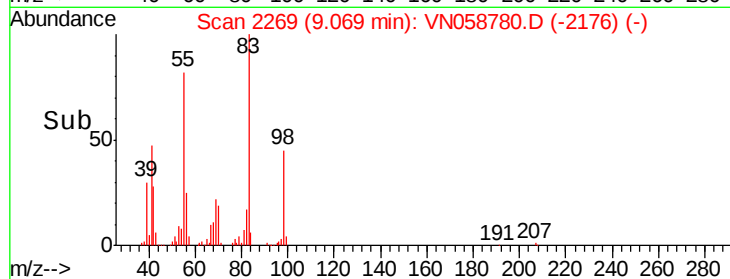
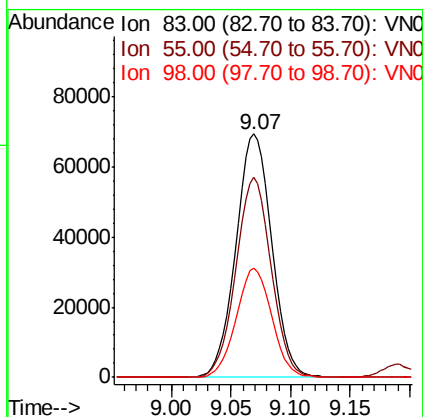
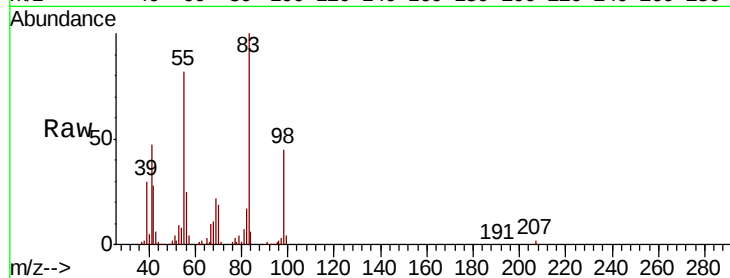




#39
Methvlcvclohexane
Concen: 19.326 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

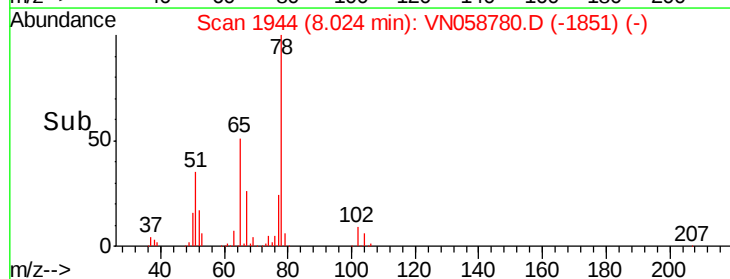
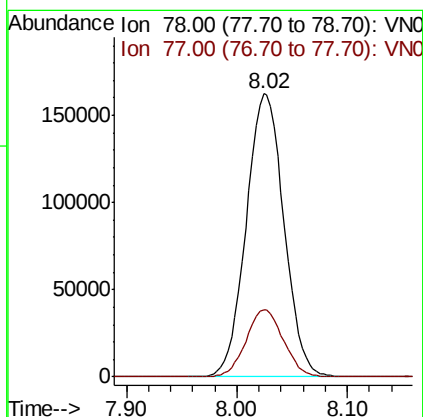
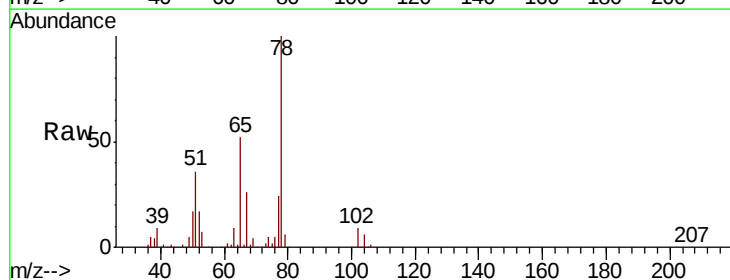
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

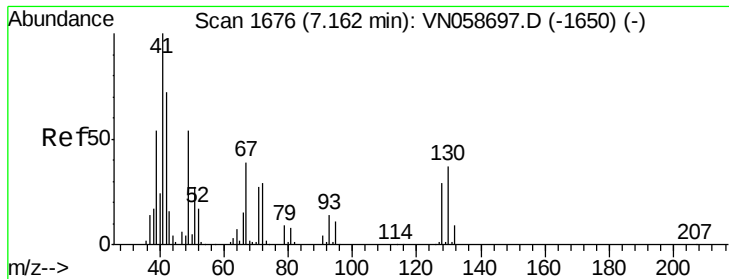
Tot Ion: 83 Resp: 145299
Ion Ratio Lower Upper
83 100
55 82.2 63.4 95.0
98 45.0 35.1 52.7



#40
Benzene
Concen: 20.662 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion: 78 Resp: 384467
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

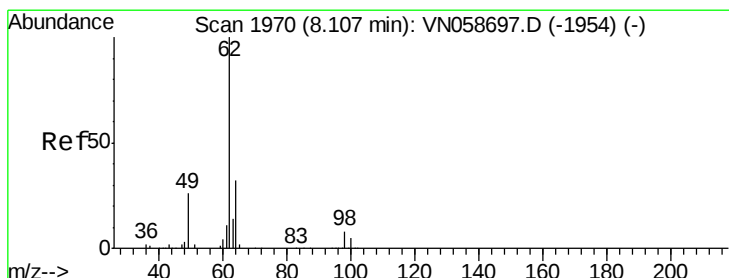
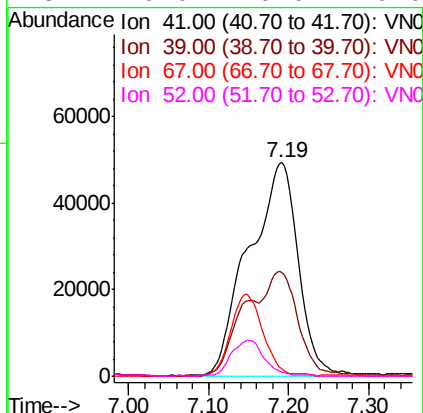
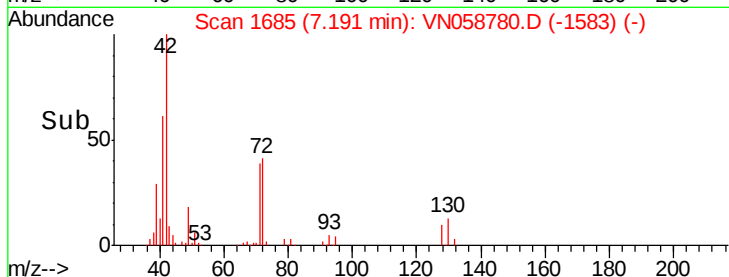
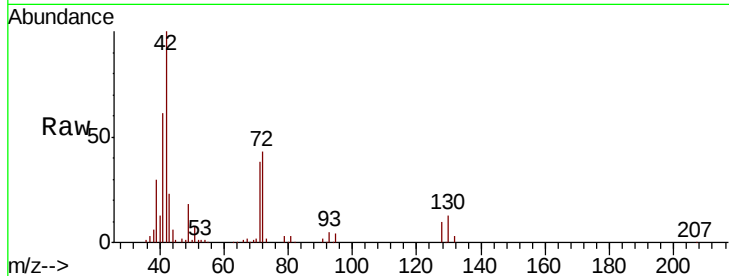




#41
Methacrylonitrile
Concen: 68.245 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

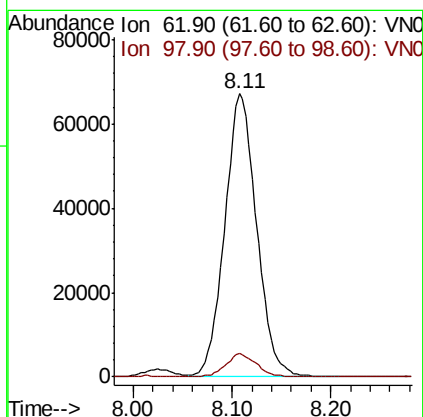
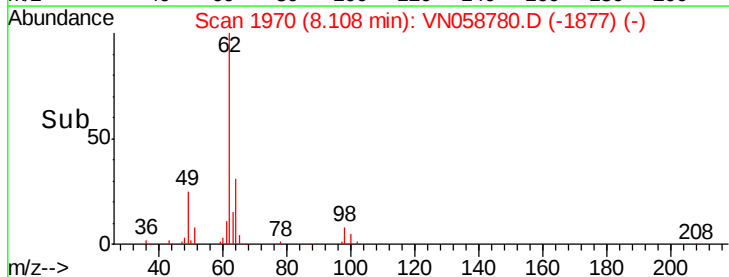
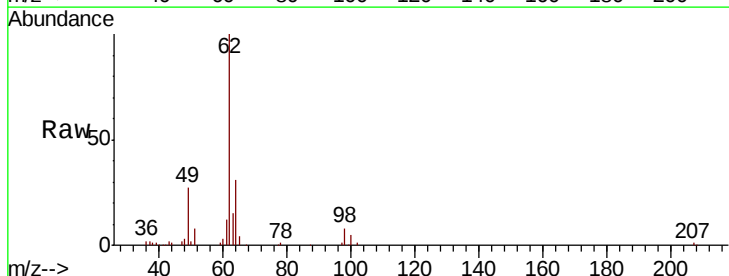
Instrument :
MSVOA_N
ClientSampled :
VN1015WBSD01

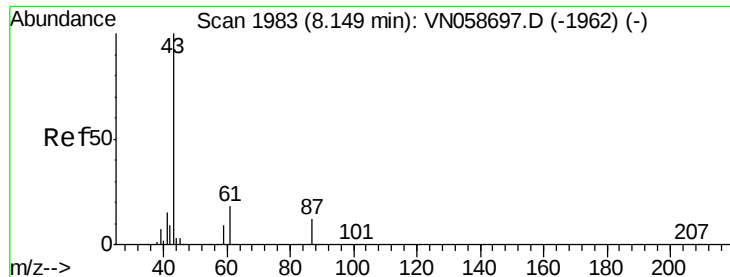
Tot Ion:	41	Resp:	209324
Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 21.202 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion:	62	Resp:	151571
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.480 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

VN1015WBSD01

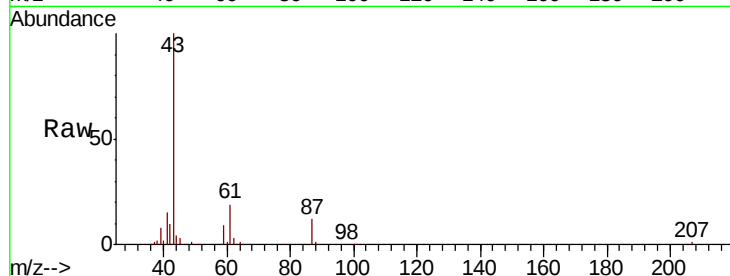
Tot Ion: 43 Resp: 228602

Ion Ratio Lower Upper

43 100

61 19.6 20.3 30.5#

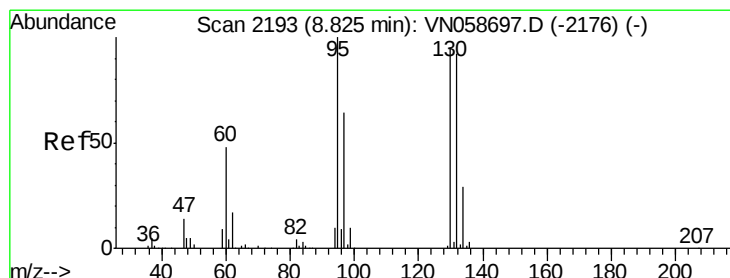
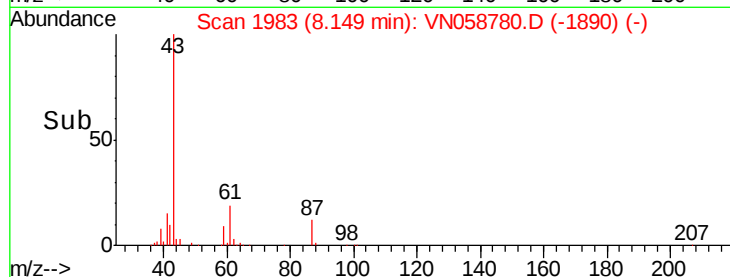
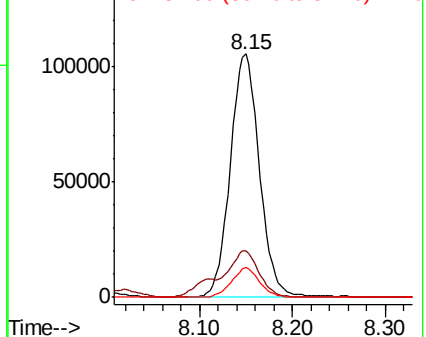
87 11.6 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)



#44

Trichloroethene

Concen: 20.232 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058780.D

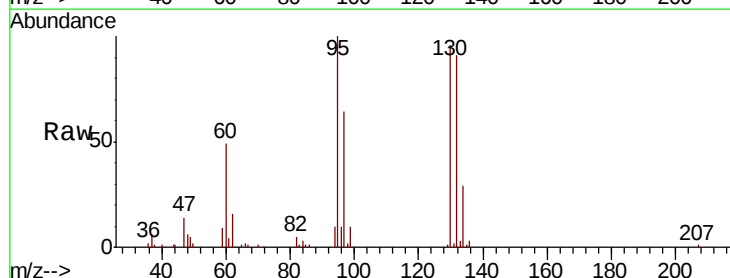
Acq: 15 Oct 2019 14:26

Tgt Ion: 130 Resp: 93489

Ion Ratio Lower Upper

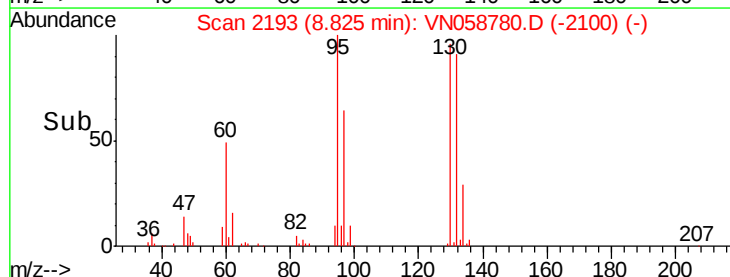
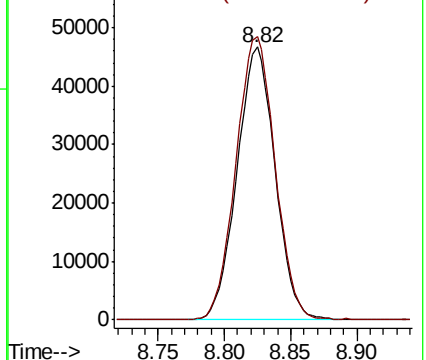
130 100

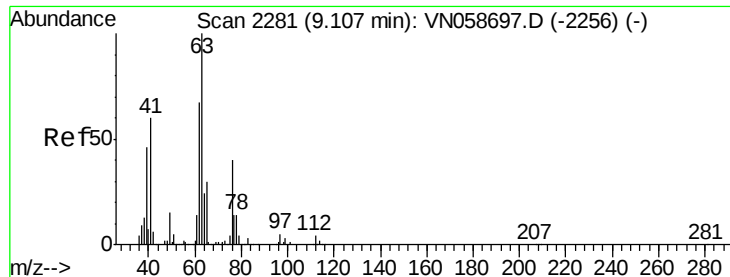
95 103.8 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)

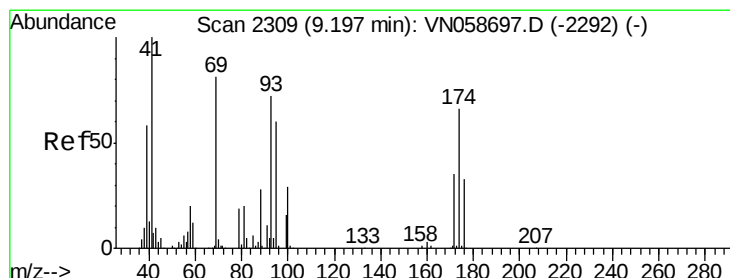
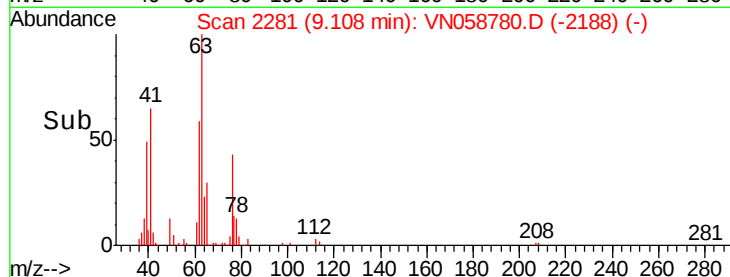
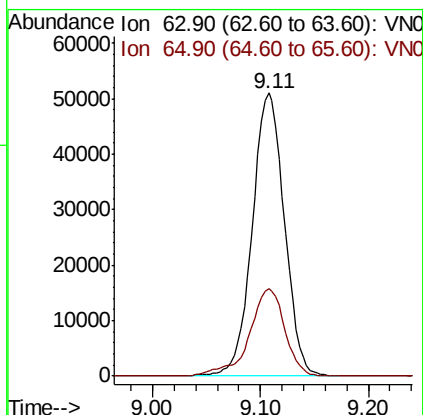
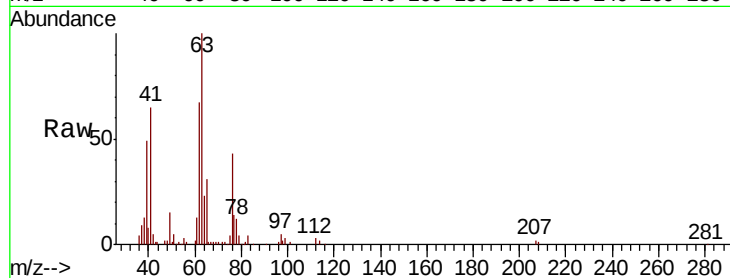




#45
 1,2-Dichloropropane
 Concen: 21.174 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

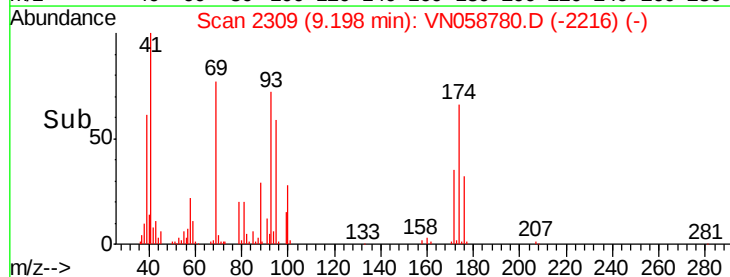
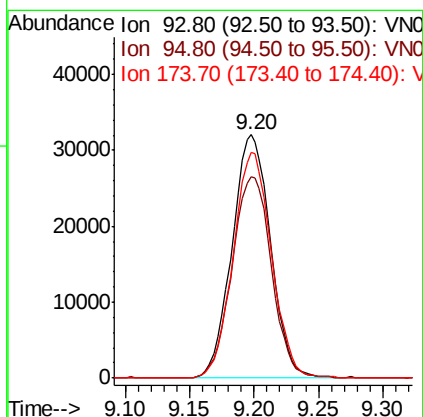
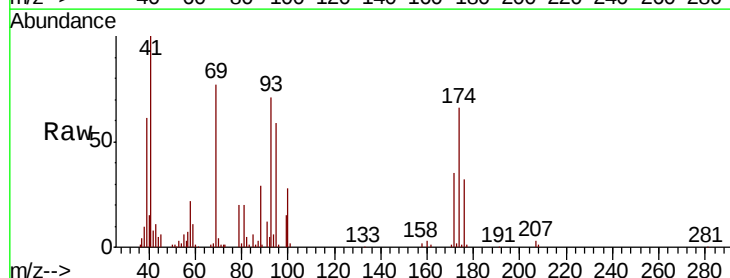
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

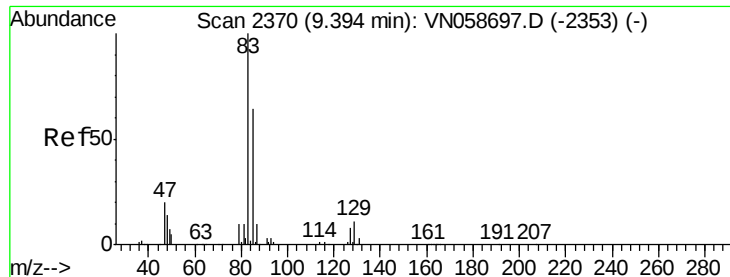
Tot Ion: 63 Resp: 105474
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.1 36.1



#46
 Dibromomethane
 Concen: 21.098 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion: 93 Resp: 66631
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.6 100.0
 174 92.5 75.2 112.8





#47

Bromodichloromethane

Concen: 21.361 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

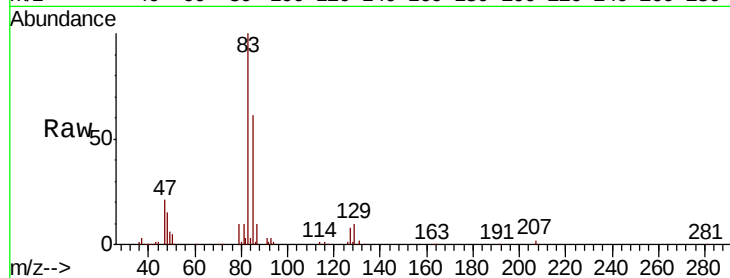
Tot Ion: 83 Resp: 137374

Ion Ratio Lower Upper

83 100

85 61.5 50.9 76.3

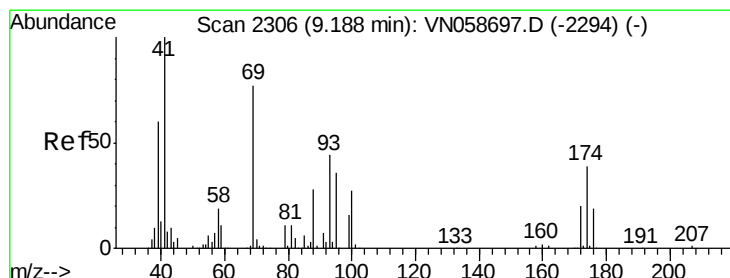
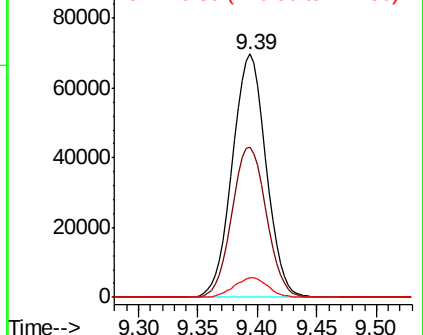
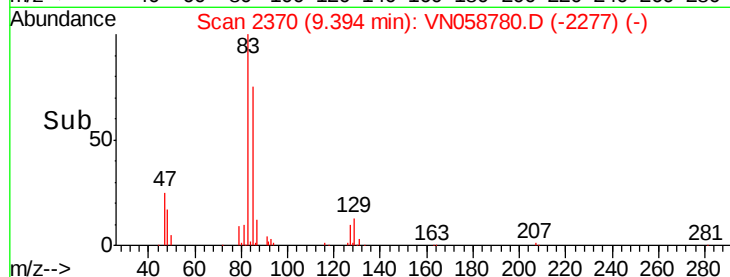
127 7.9 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058780.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058780.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058780.D (-2277) (-)



#48

Methyl methacrylate

Concen: 20.390 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

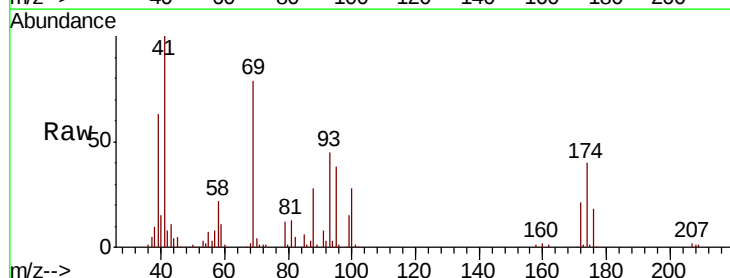
Tgt Ion: 41 Resp: 103171

Ion Ratio Lower Upper

41 100

69 80.9 63.4 95.2

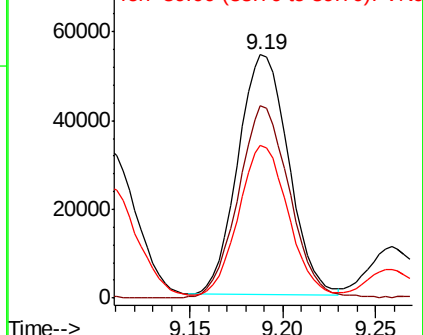
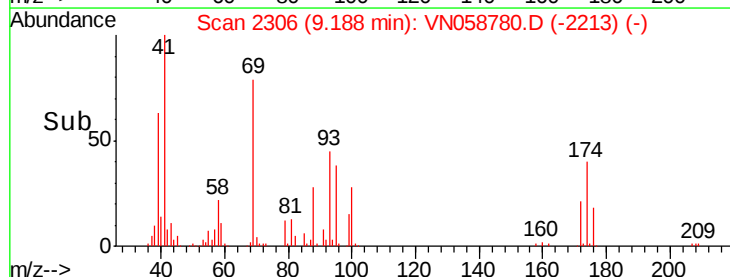
39 63.2 48.9 73.3

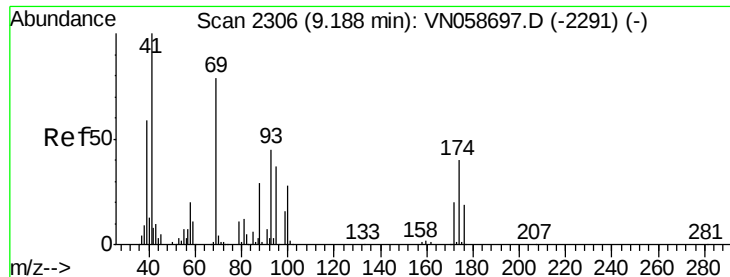


Abundance Ion 41.00 (40.70 to 41.70): VN058780.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058780.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058780.D (-2213) (-)

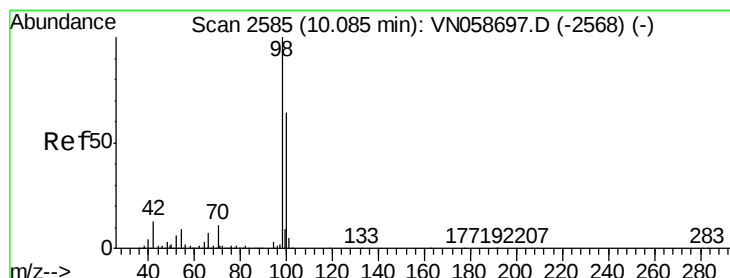
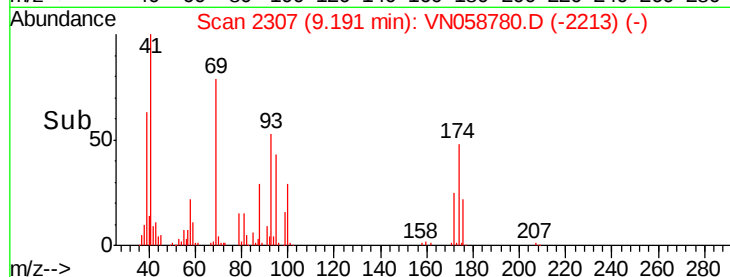
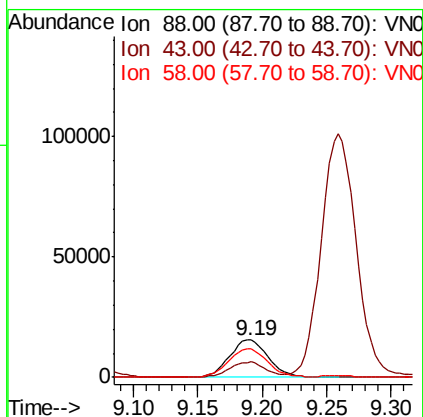
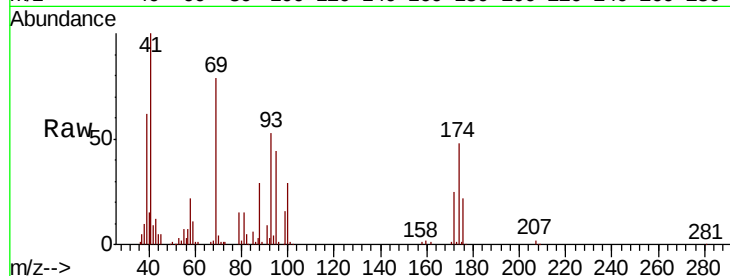




#49
 1,4-Dioxane
 Concen: 418.152 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

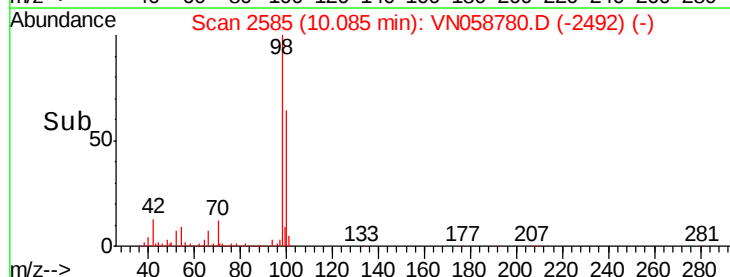
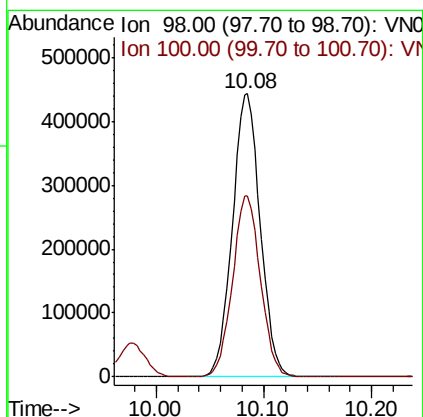
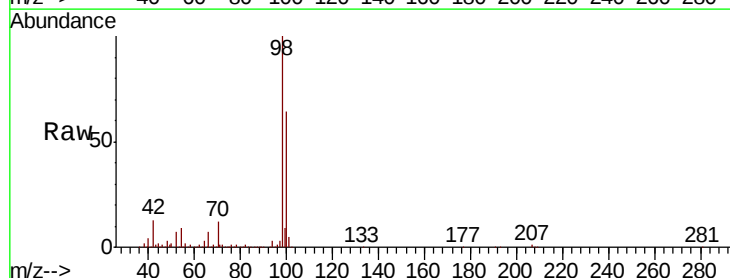
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

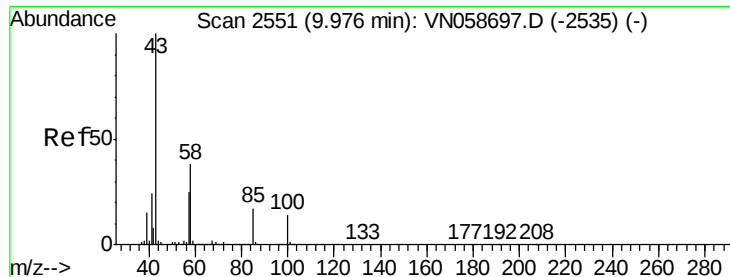
Tot Ion: 88 Resp: 32732
 Ion Ratio Lower Upper
 88 100
 43 36.6 28.6 43.0
 58 76.1 57.2 85.8



#50
 Toluene-d8
 Concen: 50.380 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion: 98 Resp: 797412
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 114.863 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

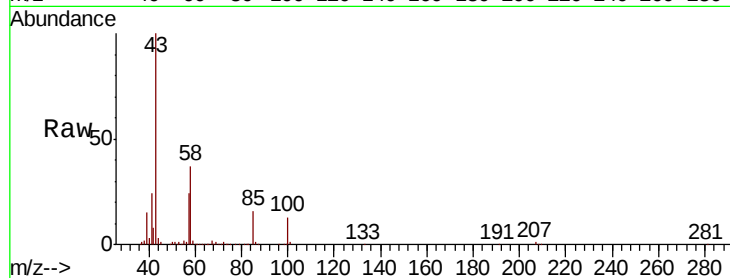
VN1015WBSD01

Tot Ion: 43 Resp: 720070

Ion Ratio Lower Upper

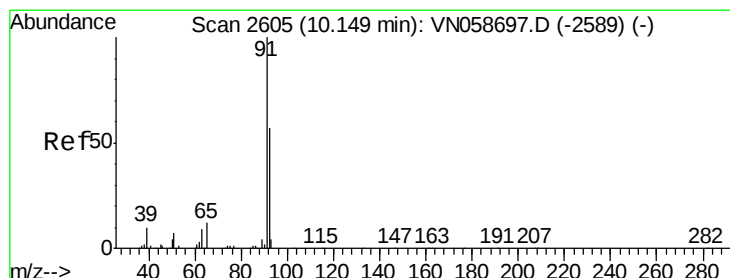
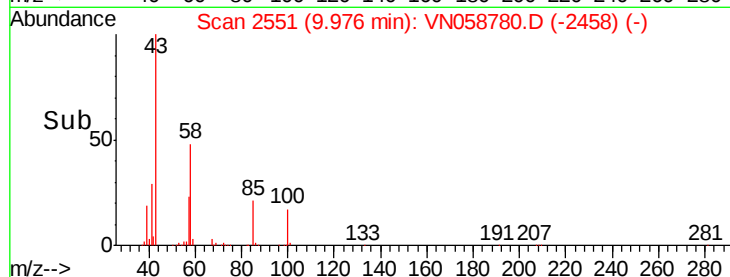
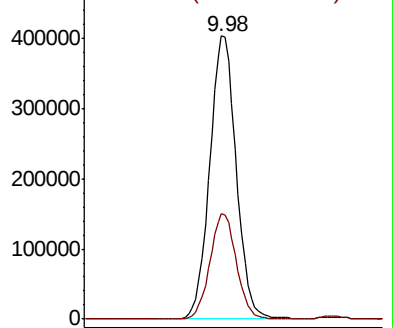
43 100

58 37.1 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.844 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058780.D

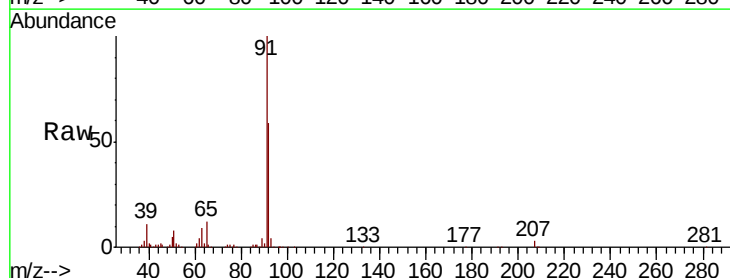
Acq: 15 Oct 2019 14:26

Tgt Ion: 92 Resp: 237222

Ion Ratio Lower Upper

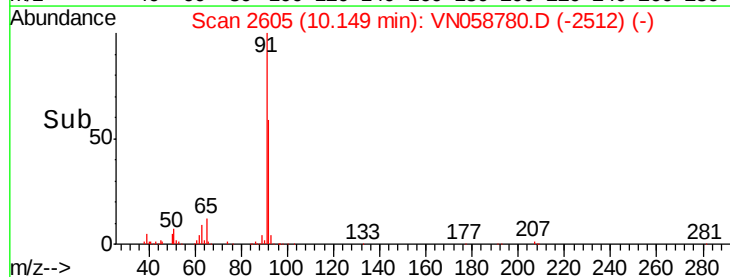
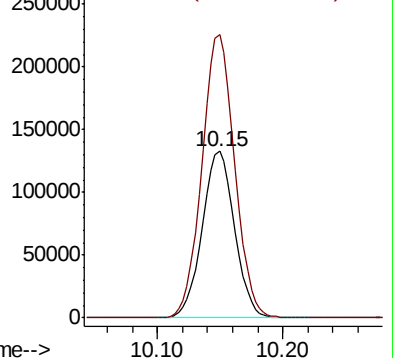
92 100

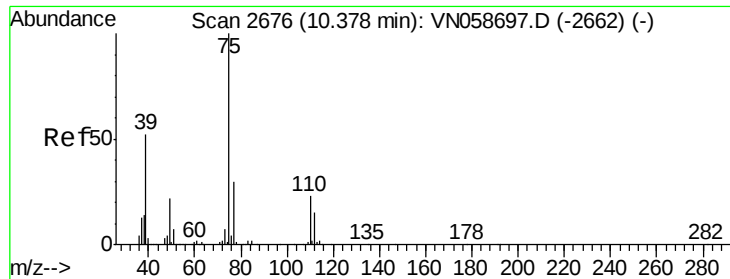
91 172.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.416 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

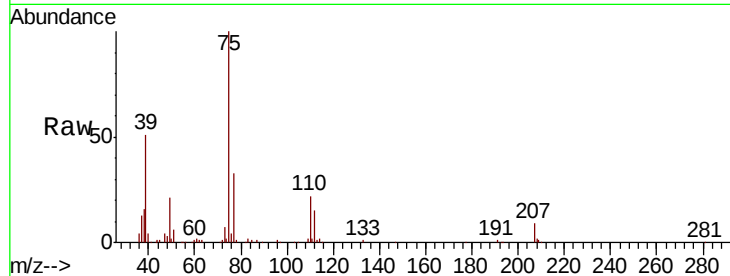
VN1015WBSD01

Tot Ion: 75 Resp: 150591

Ion Ratio Lower Upper

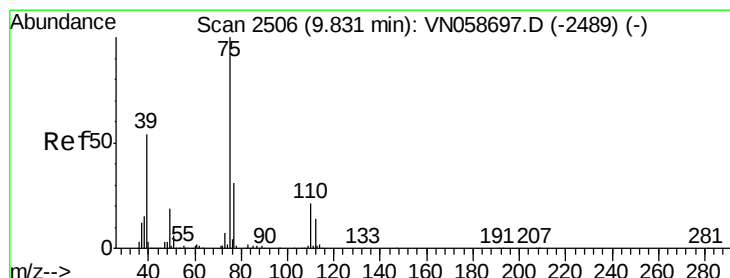
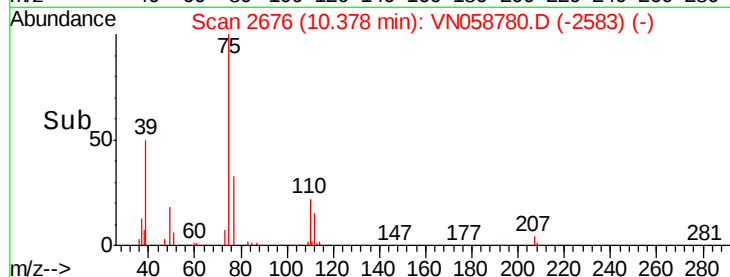
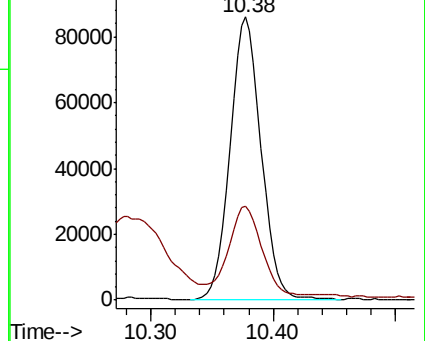
75 100

77 31.8 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: 20.896 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

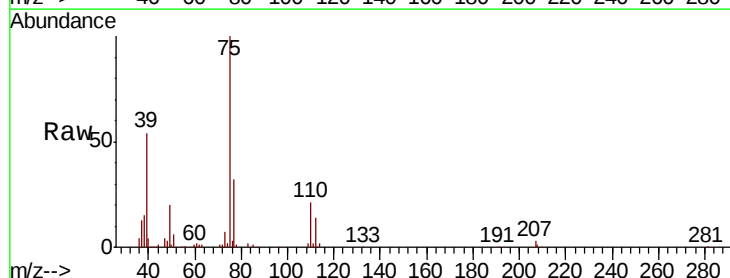
Tgt Ion: 75 Resp: 163649

Ion Ratio Lower Upper

75 100

77 31.9 24.4 36.6

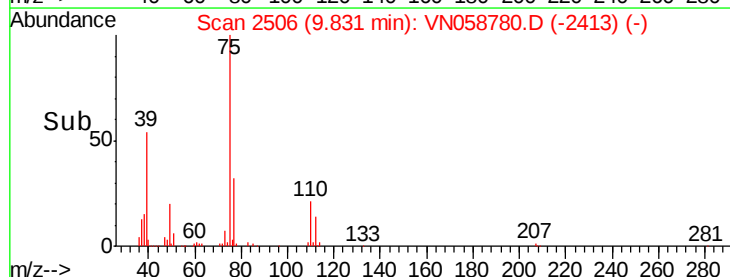
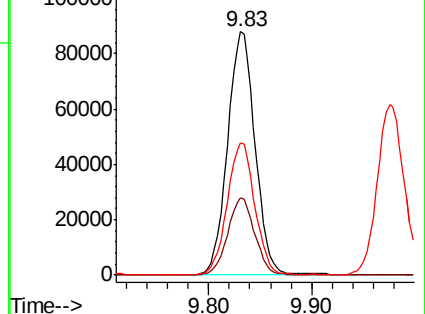
39 54.3 43.1 64.7

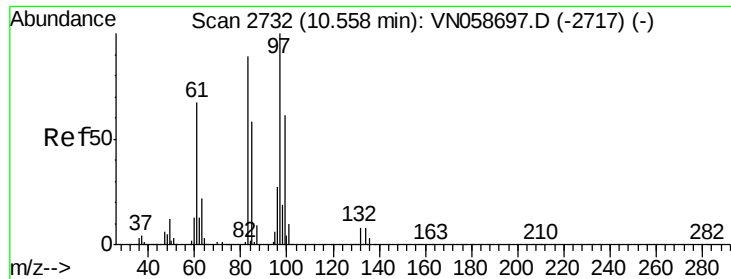


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.140 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

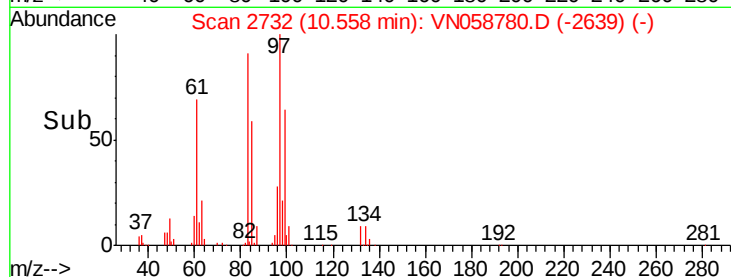
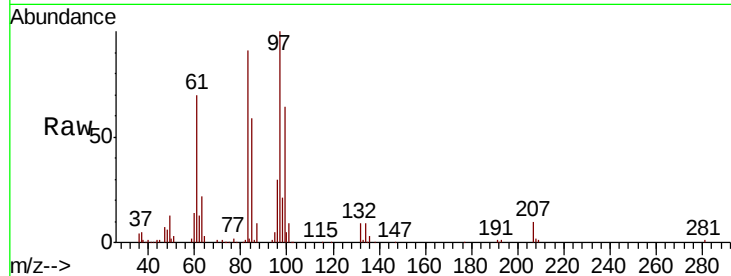
MSVOA_N

ClientSampleId :

VN1015WBSD01

Tot Ion: 97 Resp: 93816

Ion	Ratio	Lower	Upper
97	100		
83	91.1	71.2	106.8
85	58.7	46.7	70.1
99	63.6	49.0	73.6



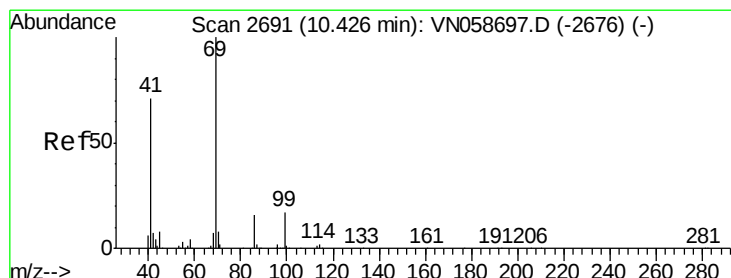
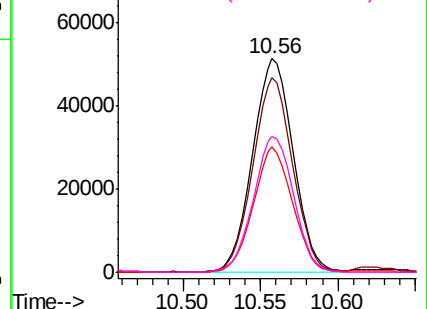
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.454 ug/l

RT: 10.43 min Scan# 2691

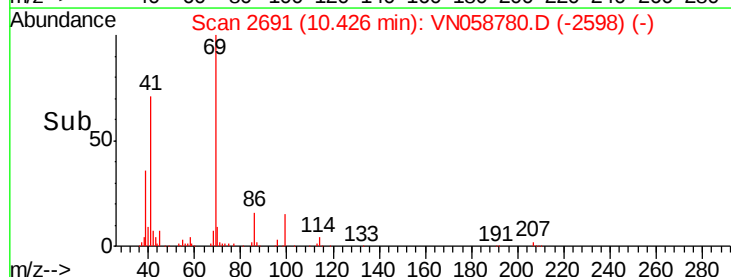
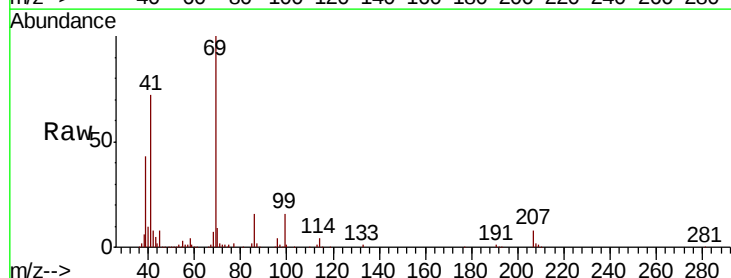
Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion: 69 Resp: 139193

Ion	Ratio	Lower	Upper
69	100		
41	73.0	56.8	85.2
39	42.1	32.5	48.7

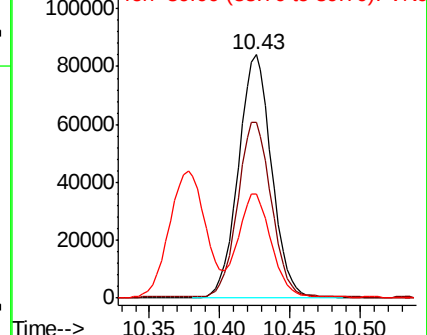


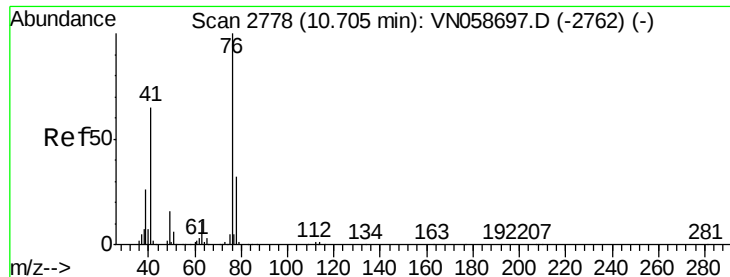
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.994 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

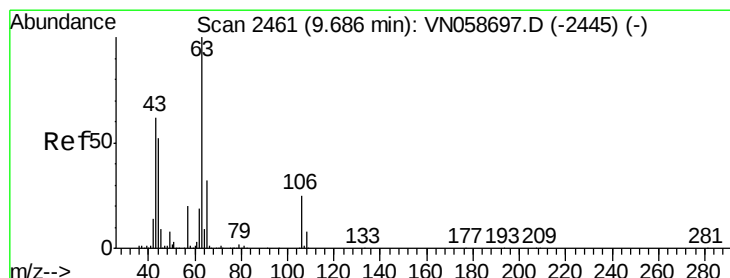
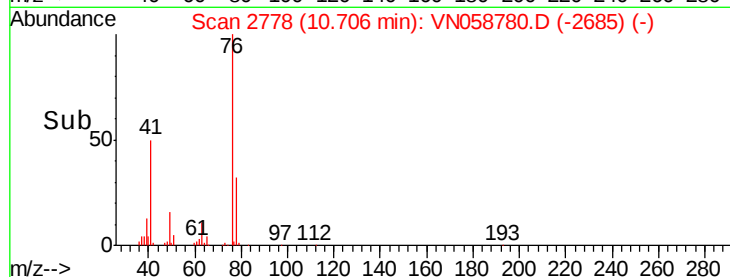
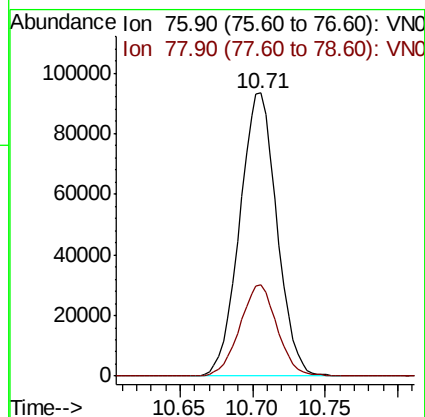
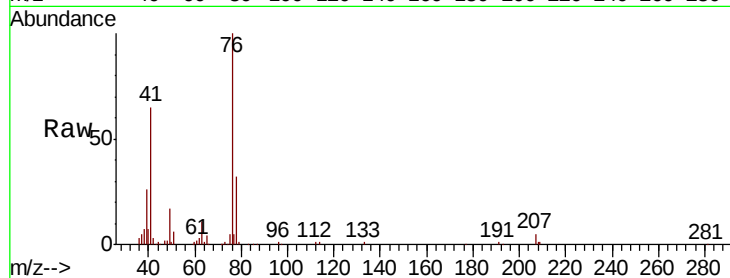
VN1015WBSD01

Tot Ion: 76 Resp: 166641

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 103.416 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058780.D

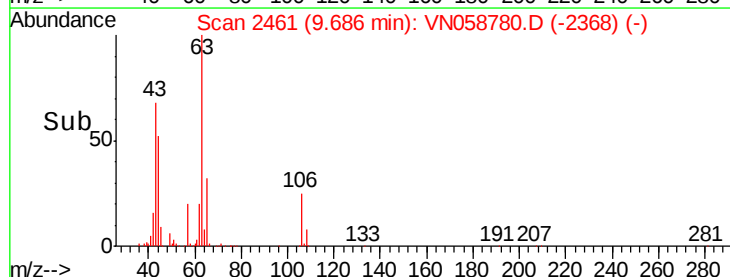
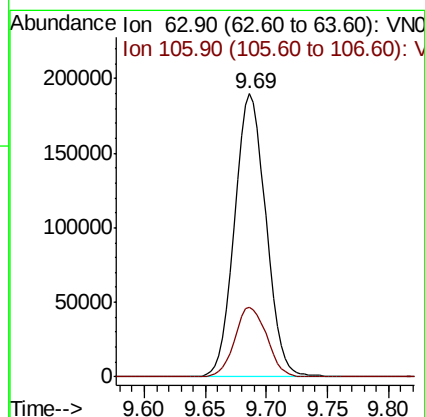
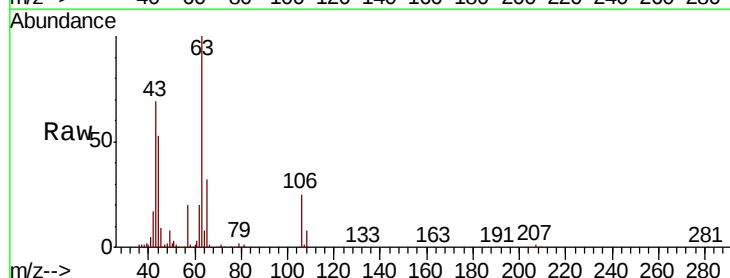
Acq: 15 Oct 2019 14:26

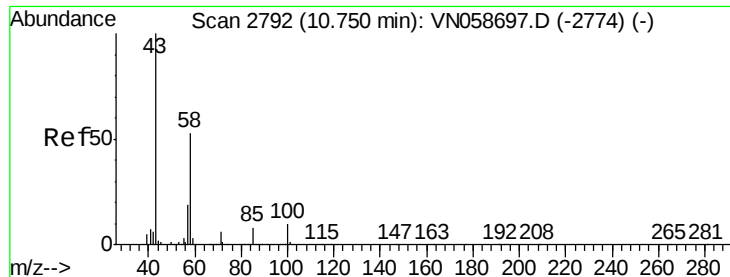
Tgt Ion: 63 Resp: 339155

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0

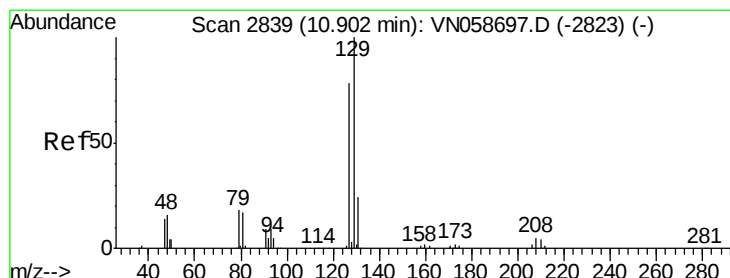
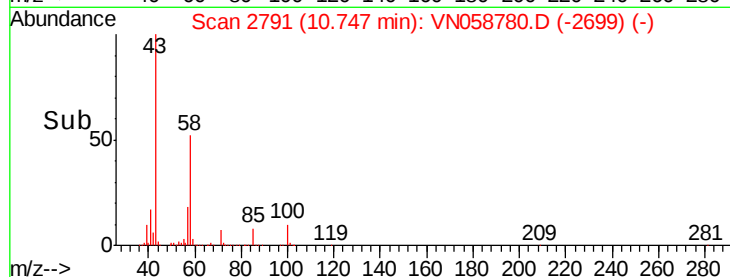
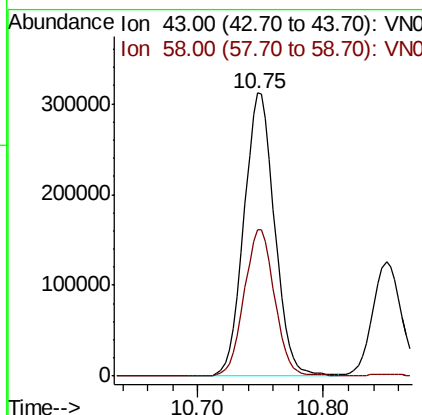
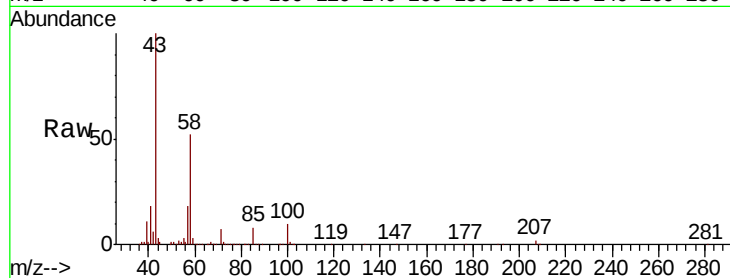




#59
2-Hexanone
Concen: 109.389 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

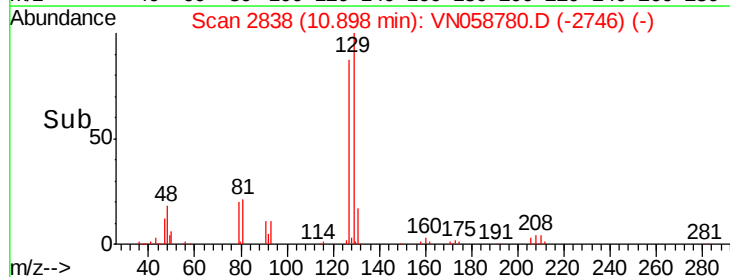
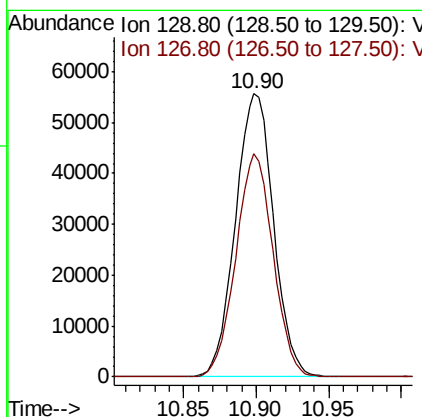
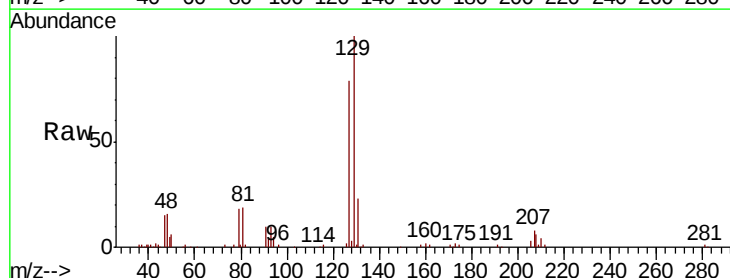
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

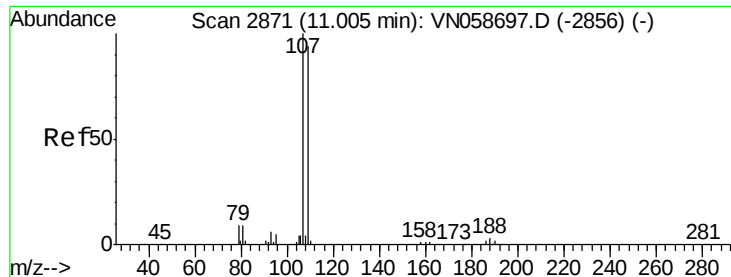
Tot Ion: 43 Resp: 529953
Ion Ratio Lower Upper
43 100
58 51.5 26.1 78.3



#60
Dibromochloromethane
Concen: 21.174 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion:129 Resp: 101745
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3

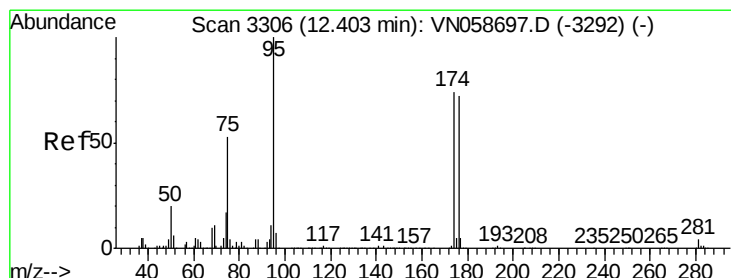
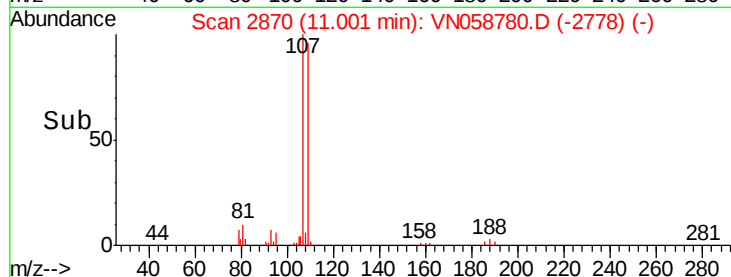
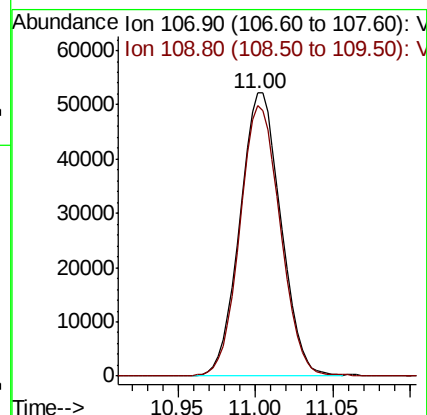
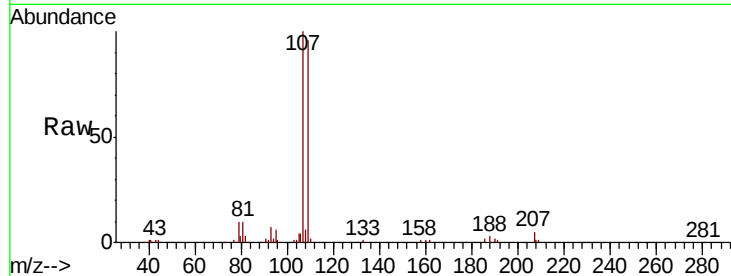




#61
 1,2-Dibromoethane
 Concen: 20.629 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

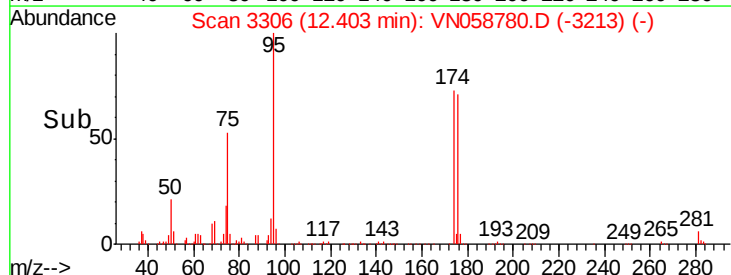
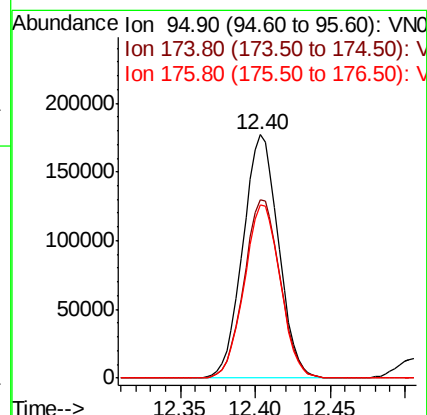
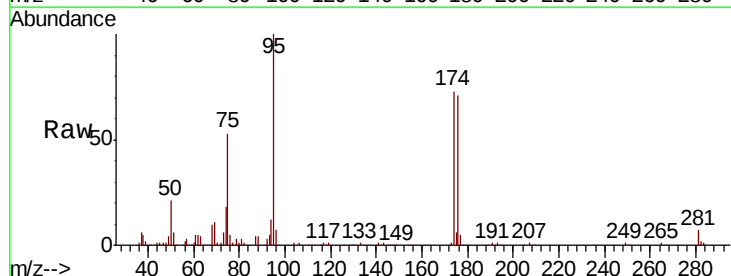
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

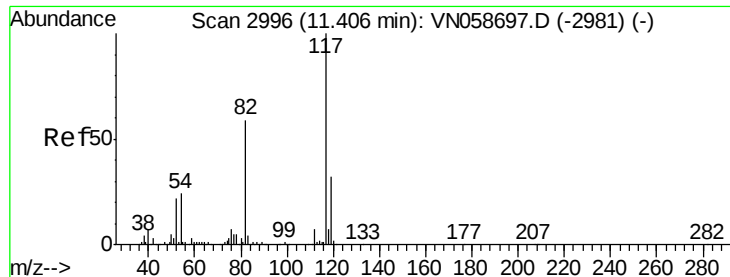
Tot Ion: 107 Resp: 96268
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 48.983 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion: 95 Resp: 293472
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 150.4
 176 72.0 0.0 146.8

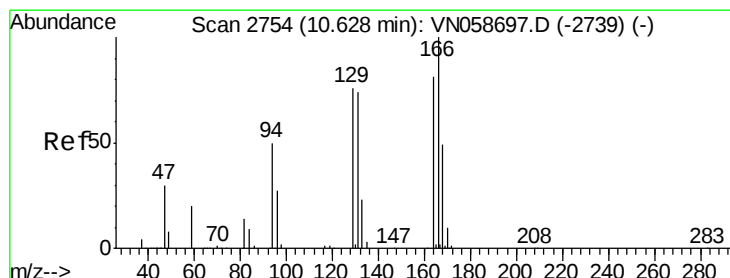
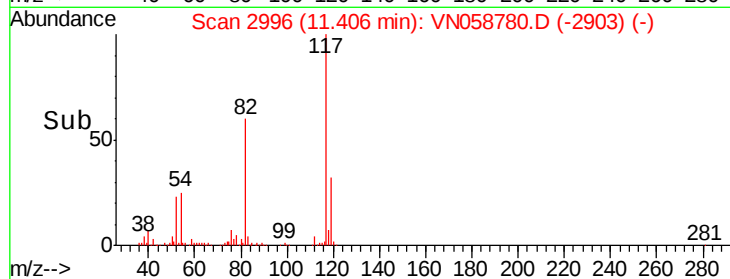
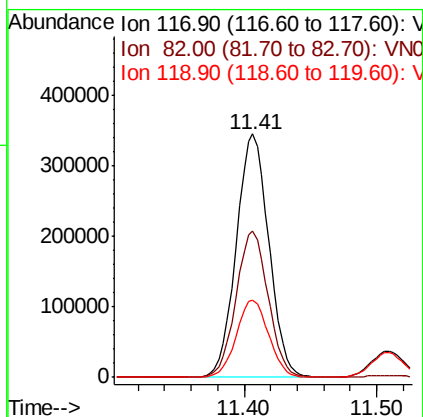
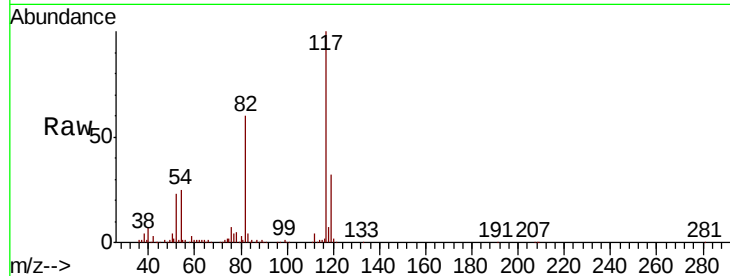




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

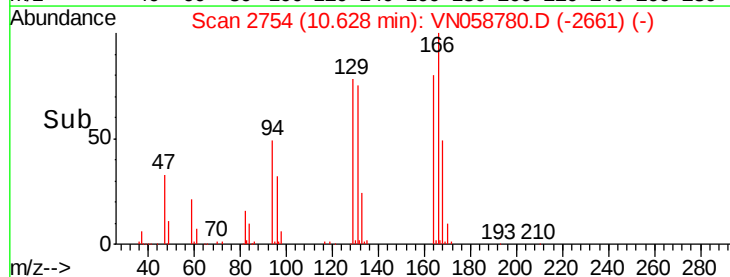
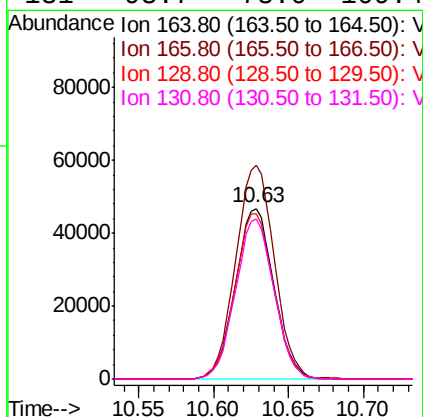
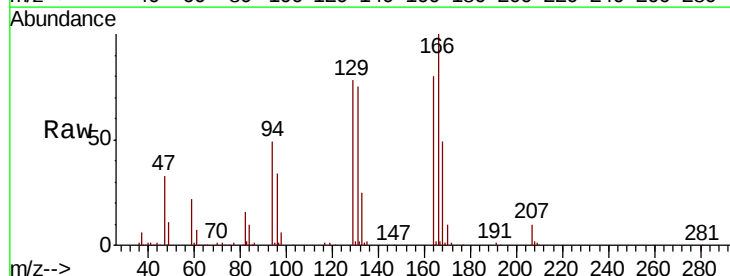
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

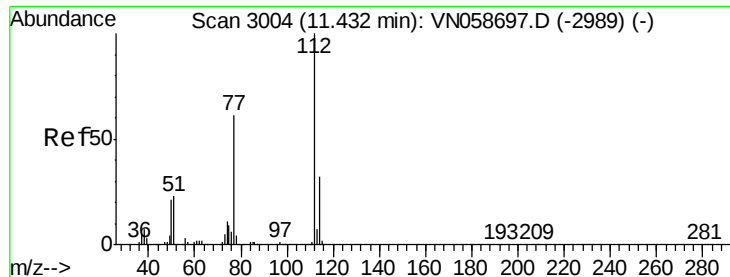
Tot Ion:117 Resp: 587394
Ion Ratio Lower Upper
117 100
82 60.0 47.0 70.4
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 20.342 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion:164 Resp: 83620
Ion Ratio Lower Upper
164 100
166 125.3 99.3 148.9
129 97.2 75.2 112.8
131 93.7 73.0 109.4

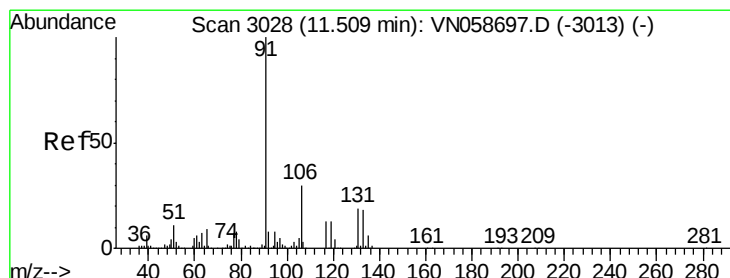
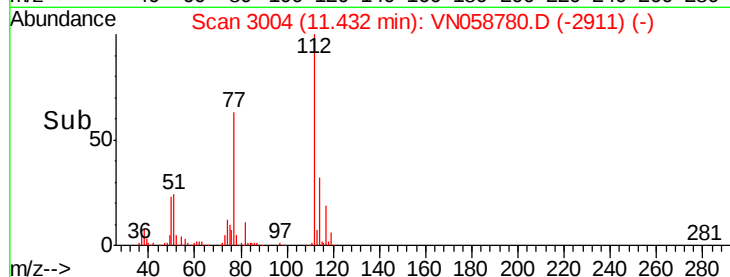
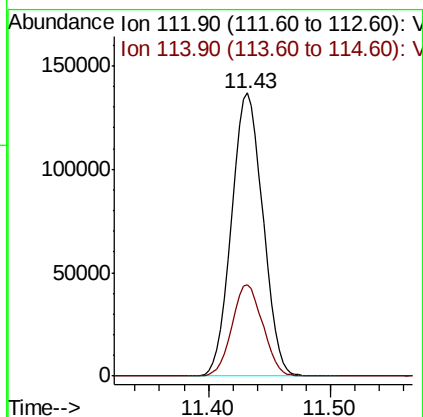
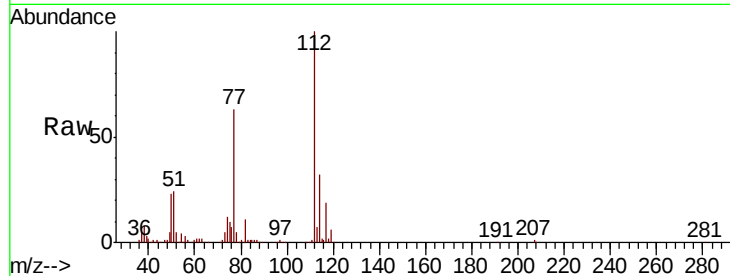




#65
Chlorobenzene
Concen: 20.508 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

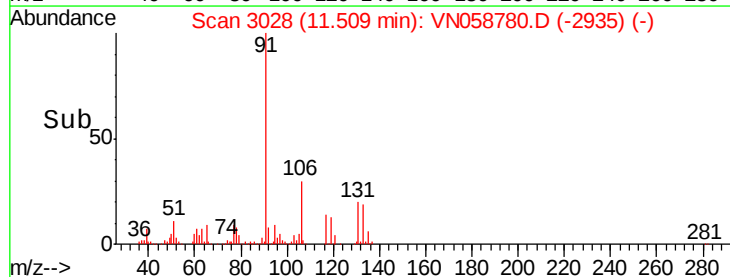
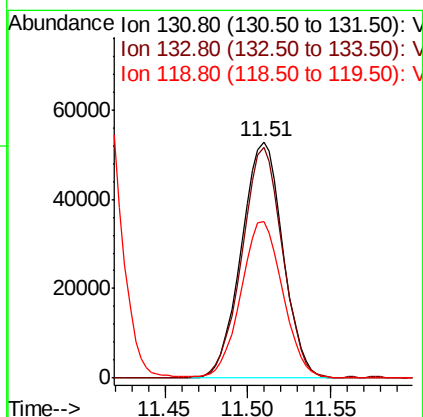
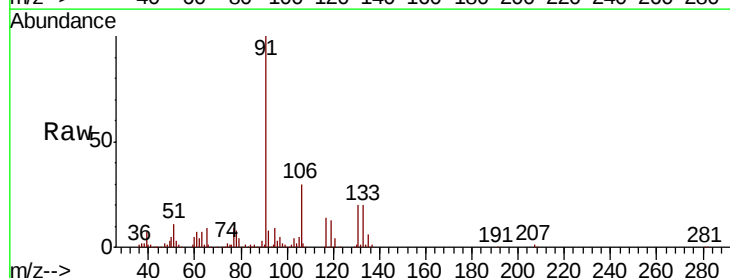
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

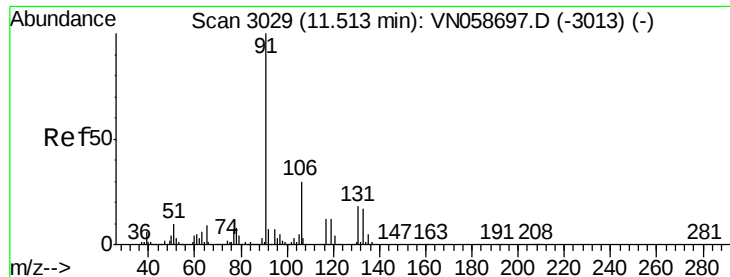
Tot Ion:112 Resp: 244632
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.855 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion:131 Resp: 91990
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 67.0 33.0 98.9





#67

Ethyl Benzene

Concen: 20.688 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

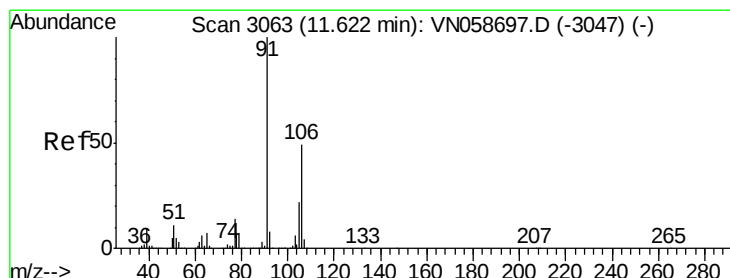
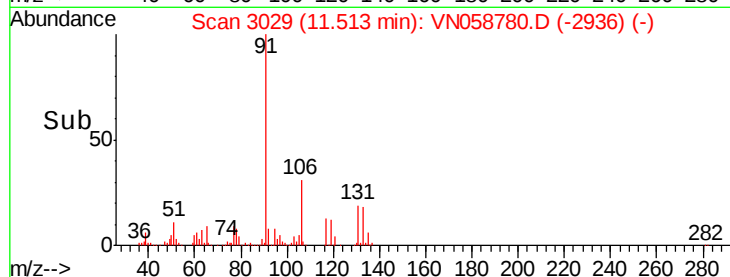
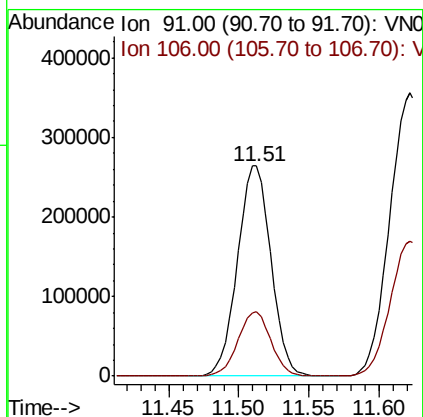
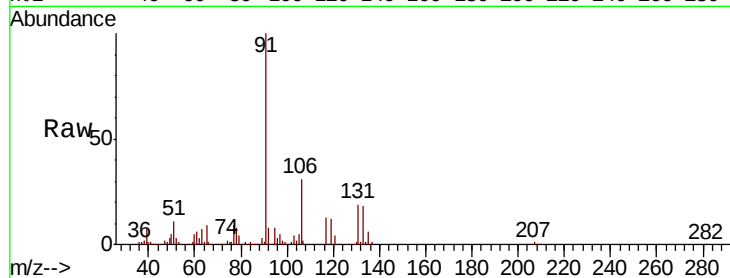
VN1015WBSD01

Tot Ion: 91 Resp: 439904

Ion Ratio Lower Upper

91 100

106 30.6 24.1 36.1



#68

m/p-Xylenes

Concen: 40.815 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058780.D

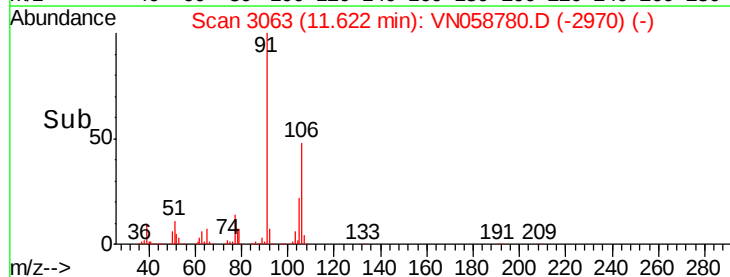
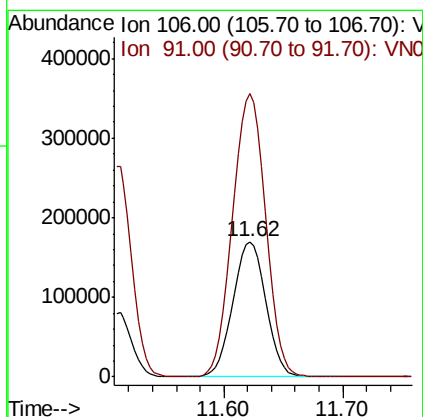
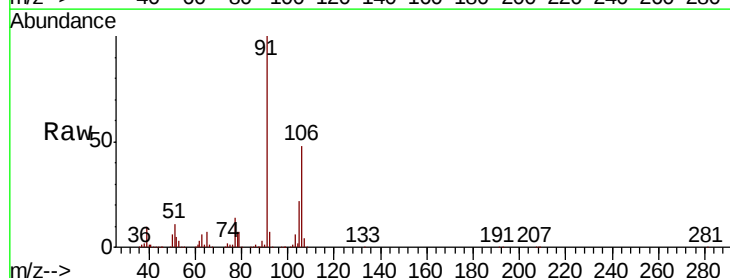
Acq: 15 Oct 2019 14:26

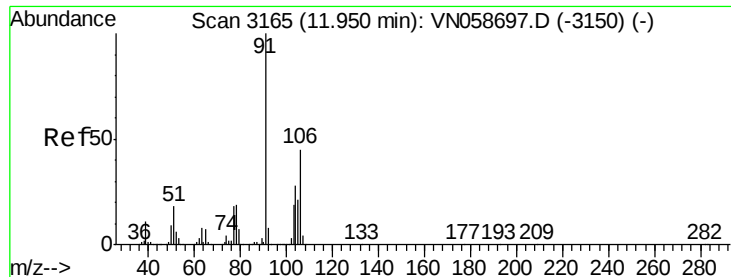
Tgt Ion: 106 Resp: 325698

Ion Ratio Lower Upper

106 100

91 210.7 165.7 248.5





#69

o-Xylene

Concen: 20.226 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

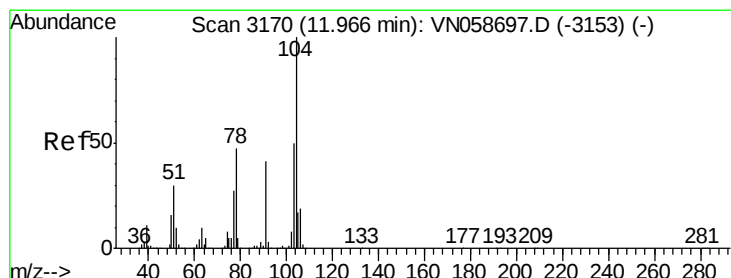
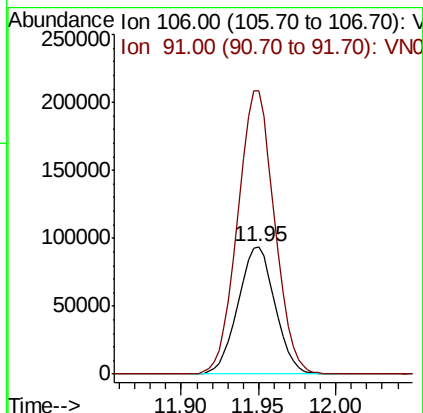
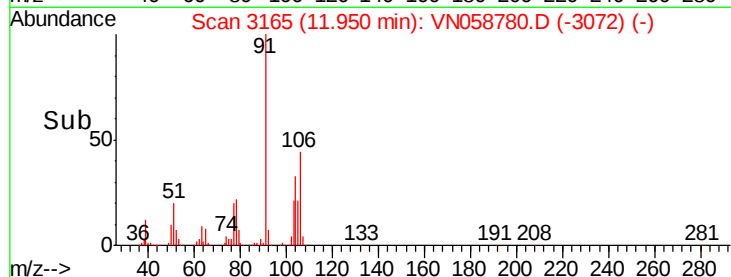
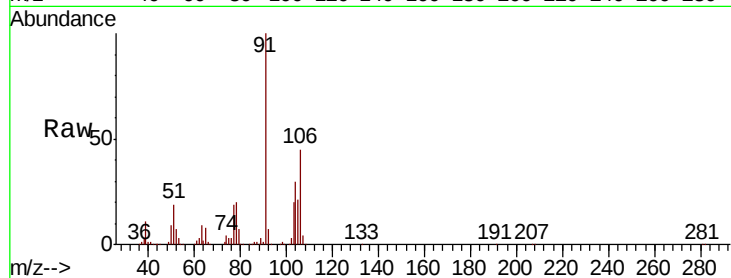
VN1015WBSD01

Tot Ion:106 Resp: 156159

Ion Ratio Lower Upper

106 100

91 221.4 110.9 332.9



#70

Styrene

Concen: 20.025 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

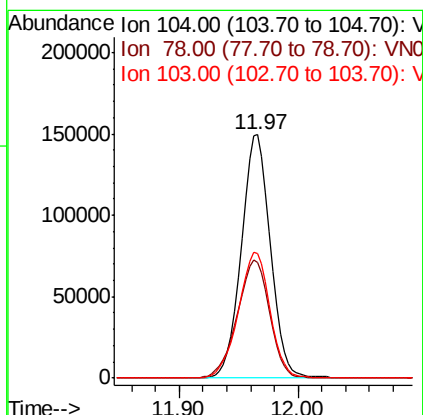
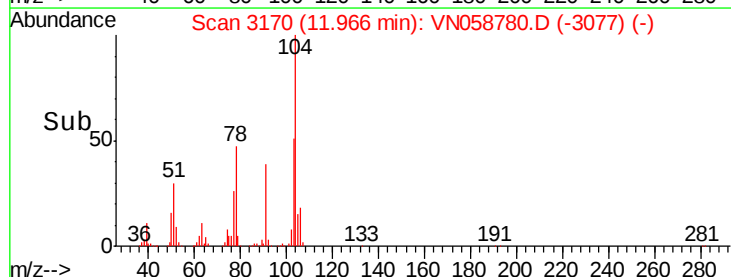
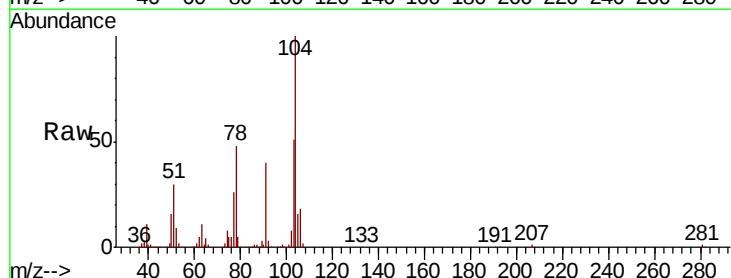
Tgt Ion:104 Resp: 253402

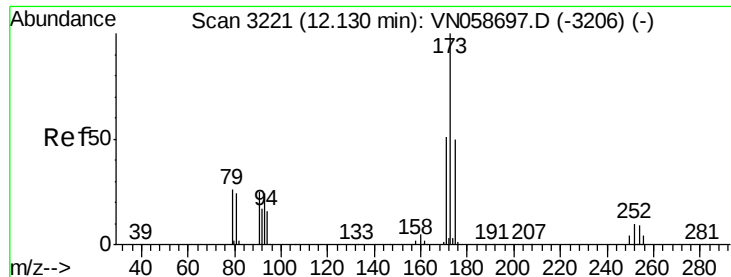
Ion Ratio Lower Upper

104 100

78 54.2 42.2 63.2

103 56.4 43.7 65.5





#71

Bromoform

Concen: 21.055 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

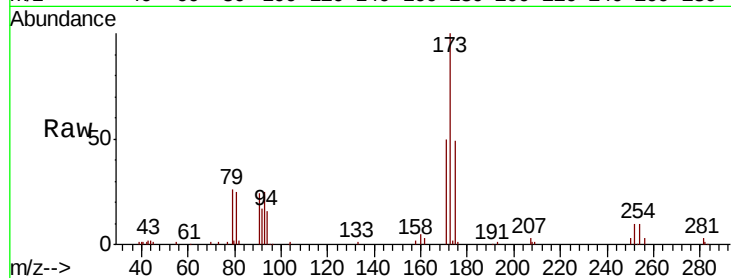
Tot Ion:173 Resp: 68074

Ion Ratio Lower Upper

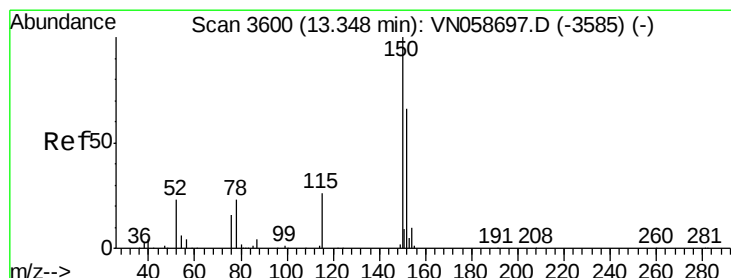
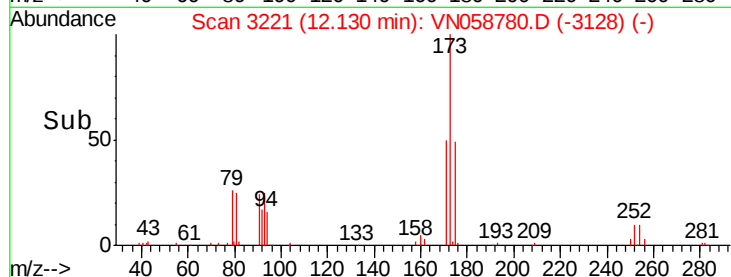
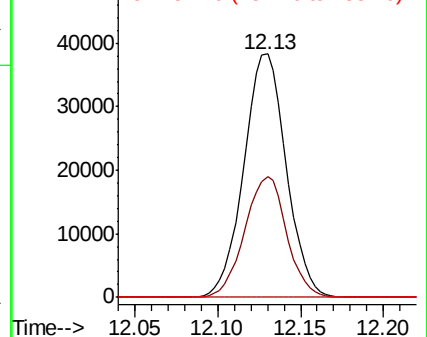
173 100

175 48.8 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: VN058780.D

Acq: 15 Oct 2019 14:26

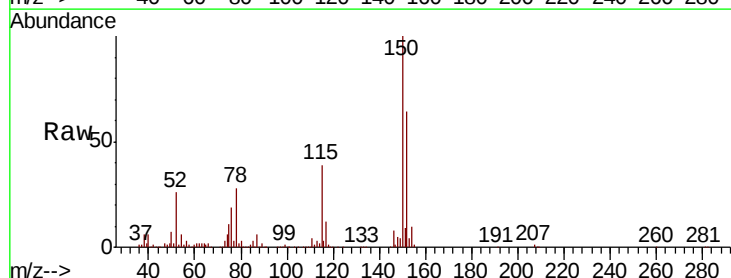
Tgt Ion:152 Resp: 277558

Ion Ratio Lower Upper

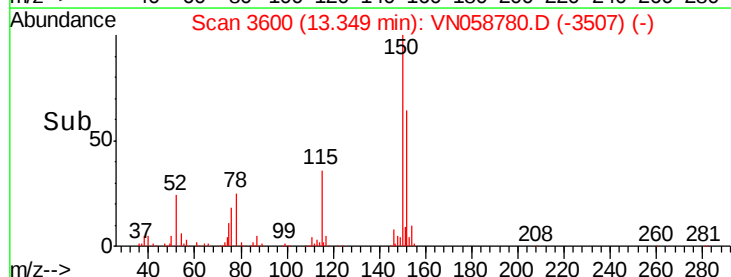
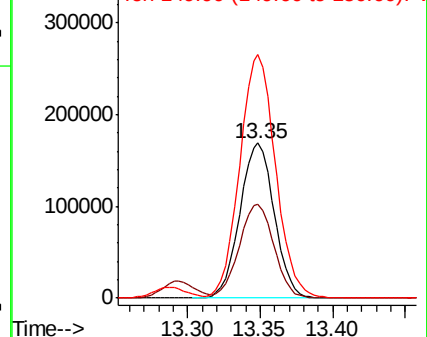
152 100

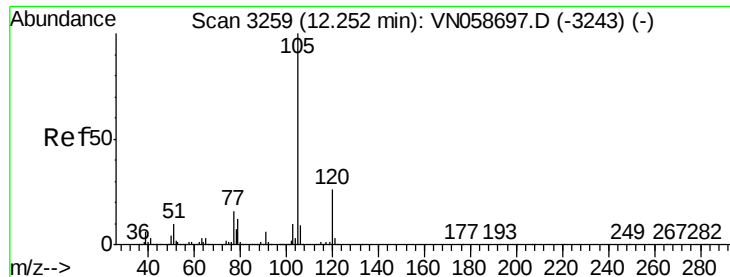
115 60.9 30.4 91.2

150 163.7 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: 21.277 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

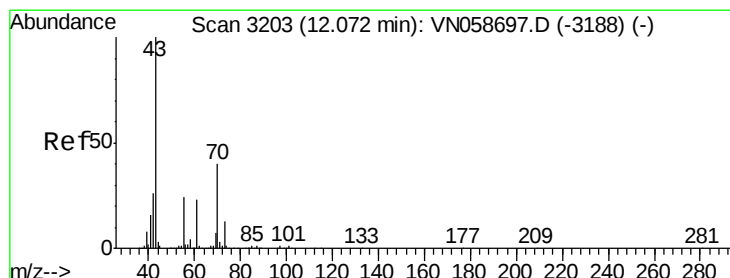
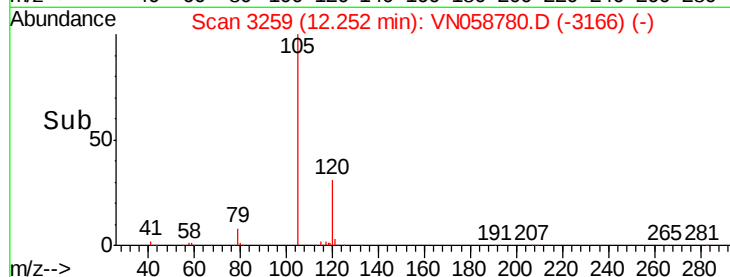
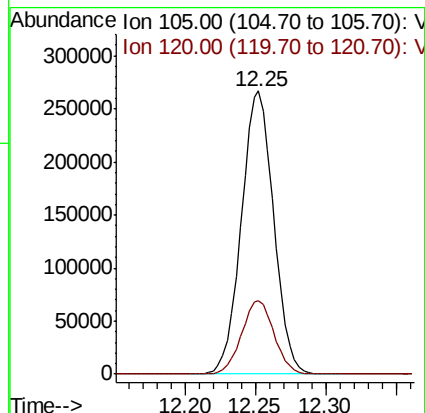
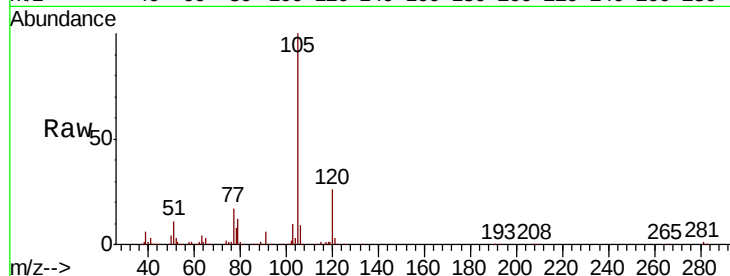
VN1015WBSD01

Tot Ion:105 Resp: 427699

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



#74

N-ethyl acetate

Concen: 21.526 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Tgt Ion: 43 Resp: 194342

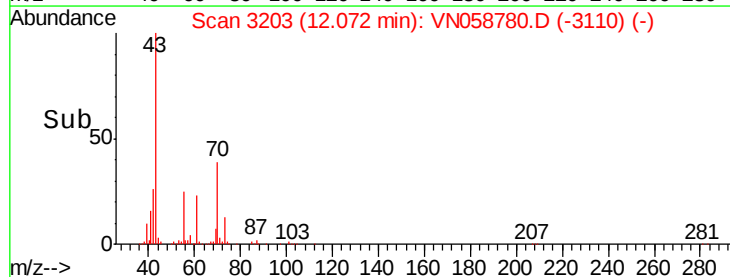
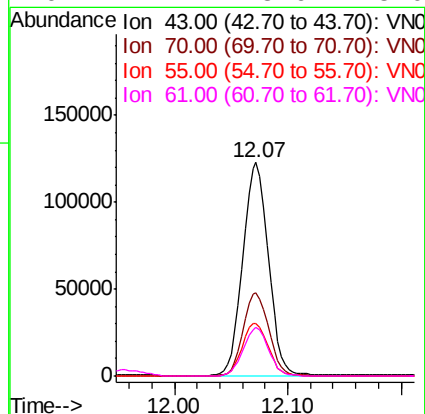
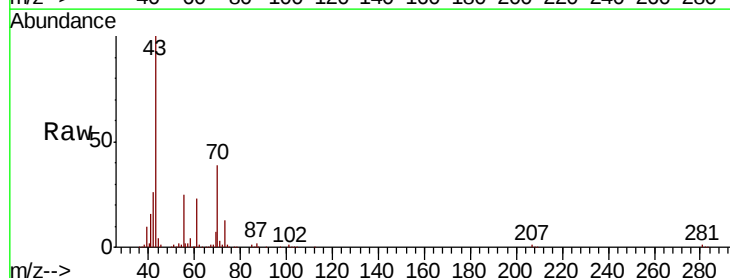
Ion Ratio Lower Upper

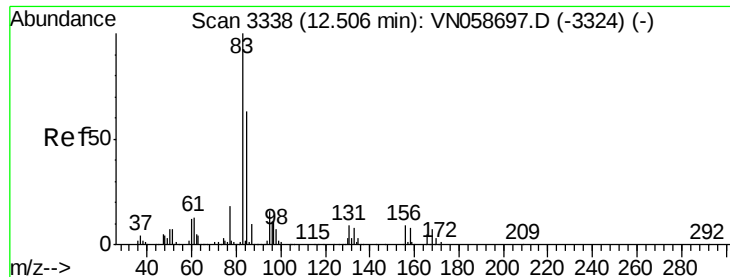
43 100

70 39.0 32.2 48.4

55 25.1 19.6 29.4

61 22.4 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.663 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

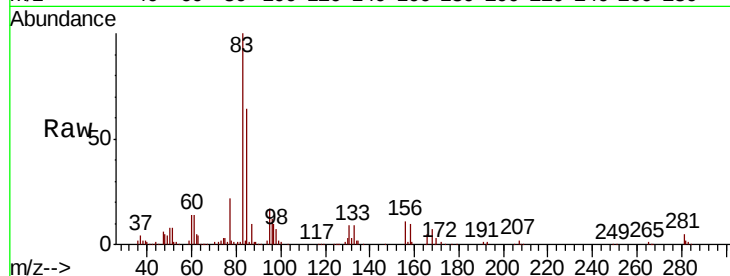
Tot Ion: 83 Resp: 143454

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.4

85 65.3 31.9 95.5



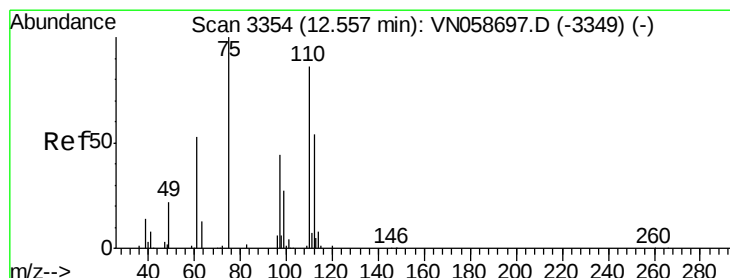
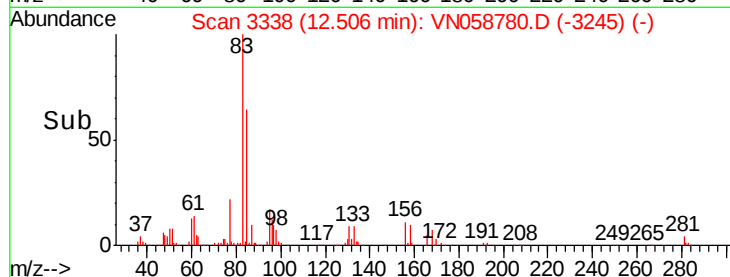
Abundance Ion 82.90 (82.60 to 83.60): VN058780.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058780.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058780.D (-3245) (-)

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.255 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058780.D

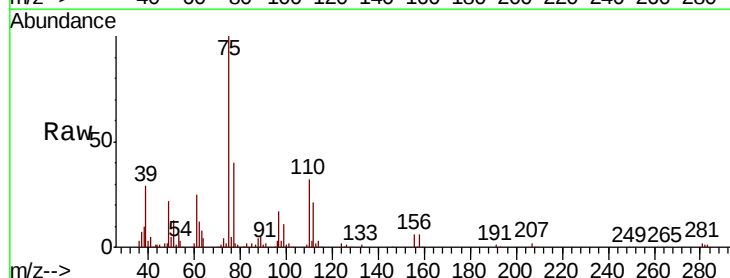
Acq: 15 Oct 2019 14:26

Tgt Ion: 75 Resp: 190311

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

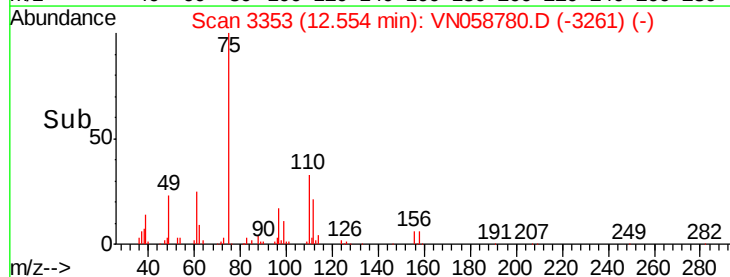


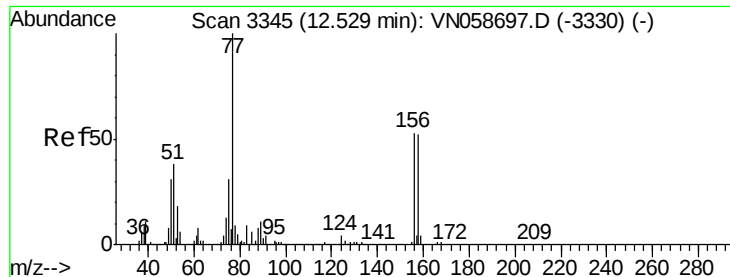
Abundance Ion 74.90 (74.60 to 75.60): VN058780.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058780.D (-3261) (-)

12.55

Time-->





#77

Bromobenzene

Concen: 21.166 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

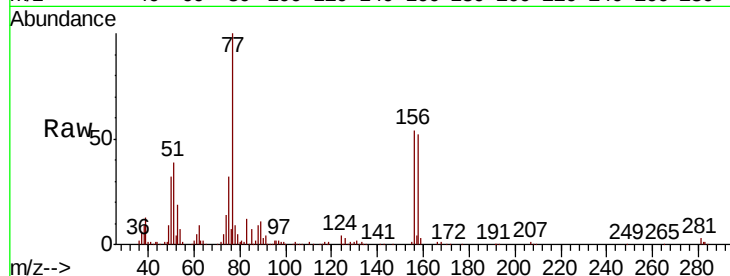
Tot Ion:156 Resp: 103487

Ion Ratio Lower Upper

156 100

77 228.3 115.8 347.3

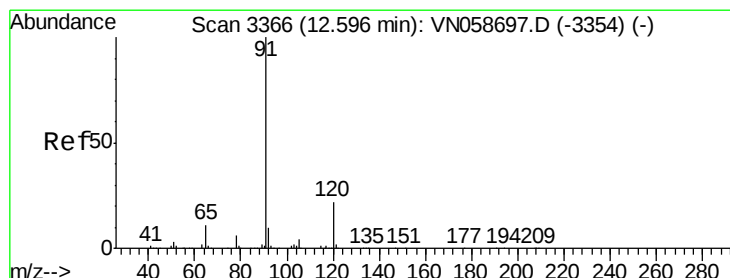
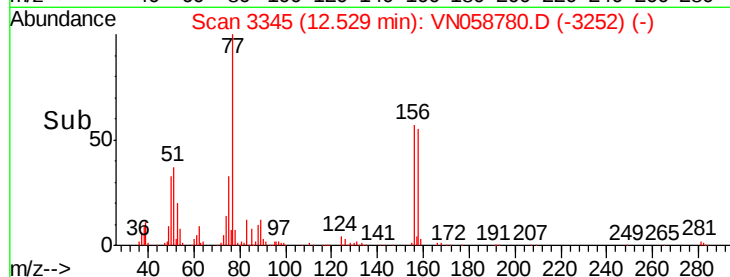
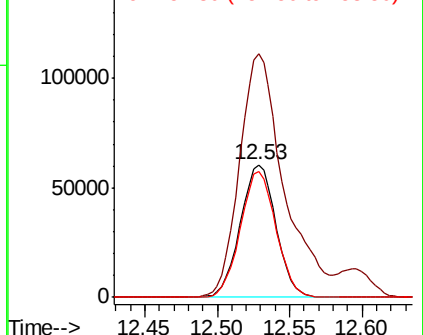
158 95.1 48.9 146.6



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: 21.422 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058780.D

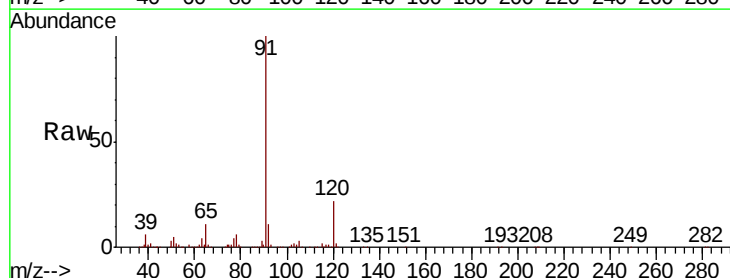
Acq: 15 Oct 2019 14:26

Tgt Ion: 91 Resp: 501778

Ion Ratio Lower Upper

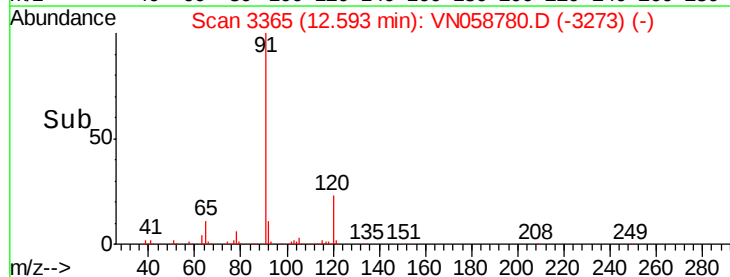
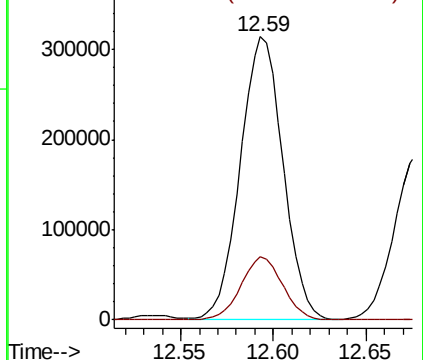
91 100

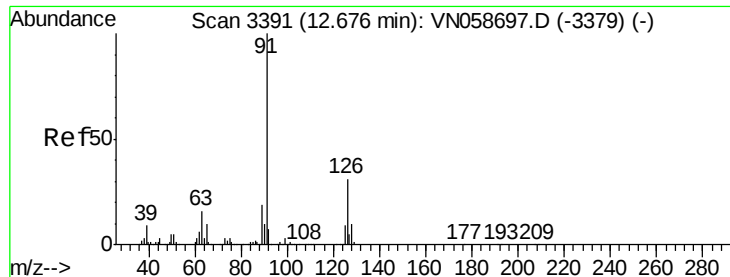
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.742 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

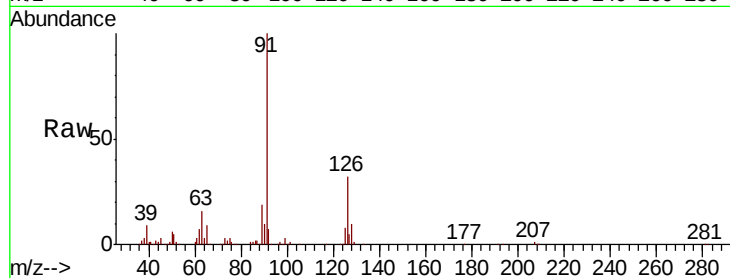
VN1015WBSD01

Tot Ion: 91 Resp: 301559

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.5

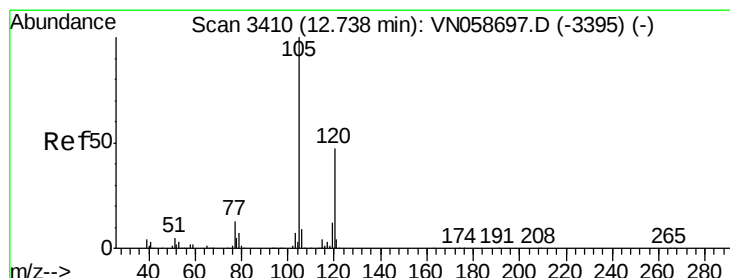
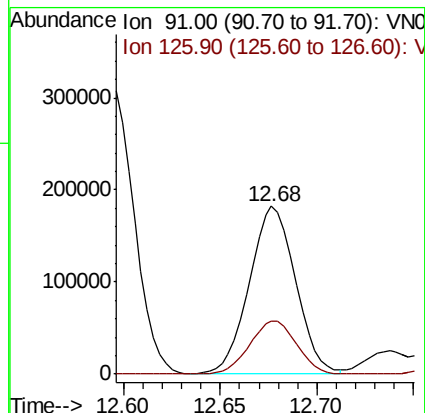
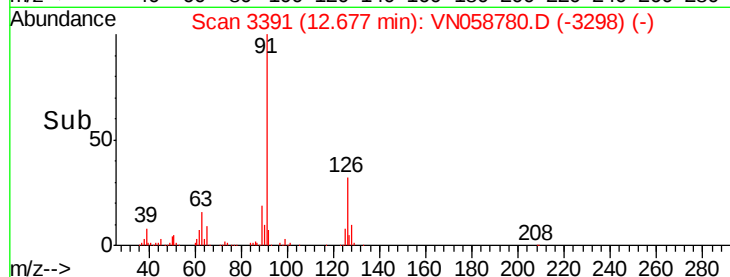


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)

Time-->

12.68



#80

1,3,5-Trimethylbenzene

Concen: 21.078 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058780.D

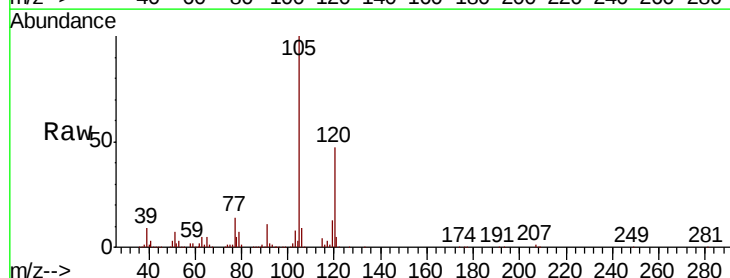
Acq: 15 Oct 2019 14:26

Tgt Ion: 105 Resp: 361728

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.2

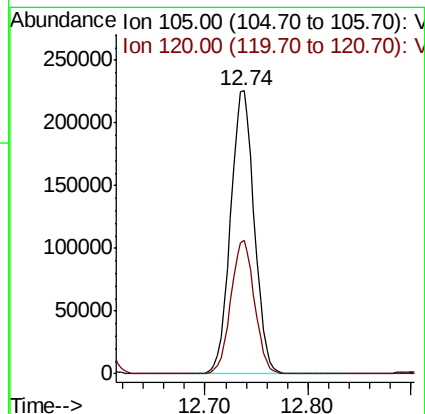
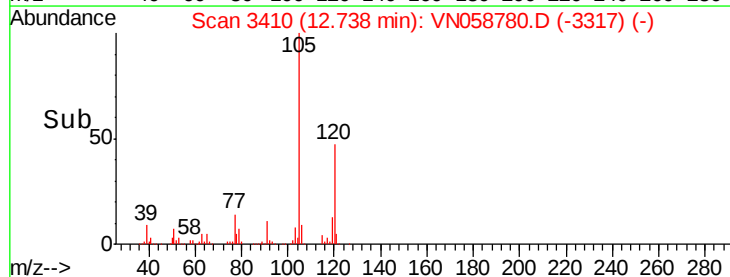


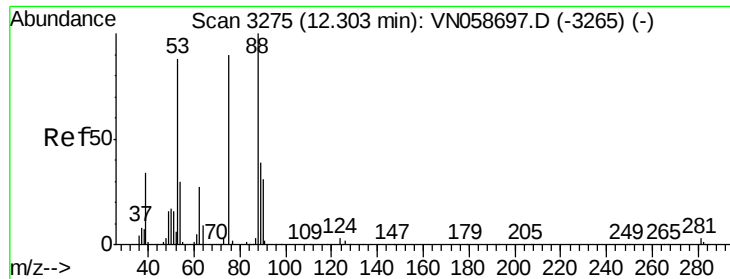
Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)

Time-->

12.74





#81

trans-1,4-Dichloro-2-butene

Concen: 20.425 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

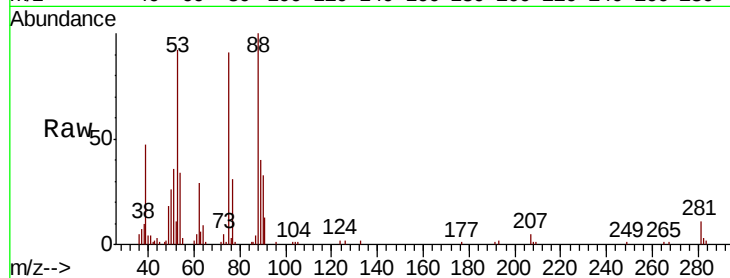
Tot Ion: 75 Resp: 46429

Ion Ratio Lower Upper

75 100

53 101.4 78.4 117.6

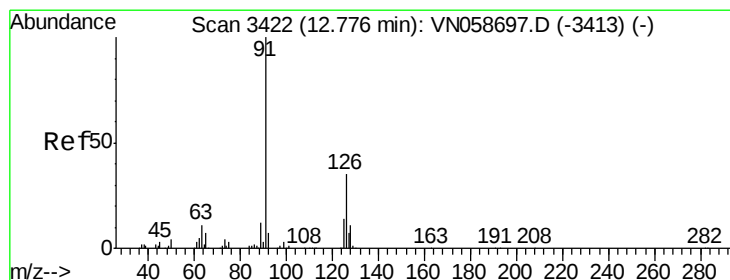
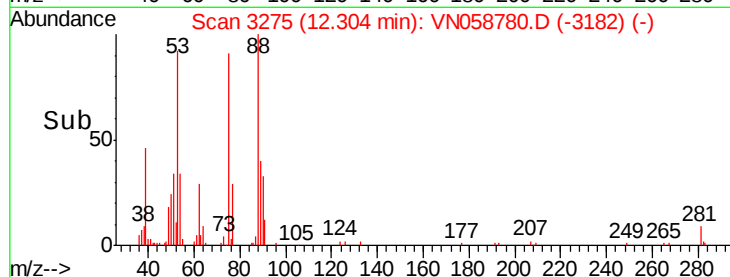
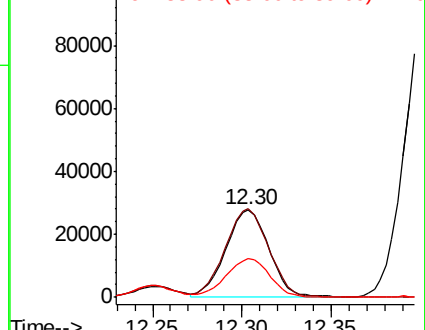
89 45.4 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.611 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058780.D

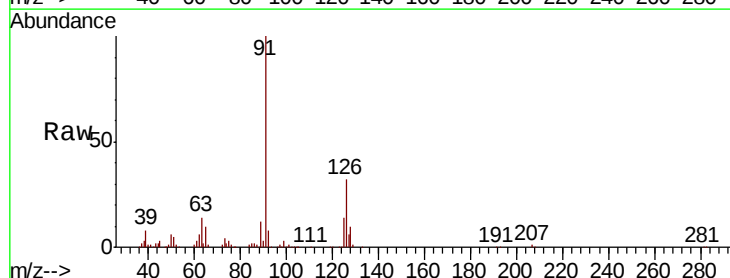
Acq: 15 Oct 2019 14:26

Tgt Ion: 91 Resp: 307483

Ion Ratio Lower Upper

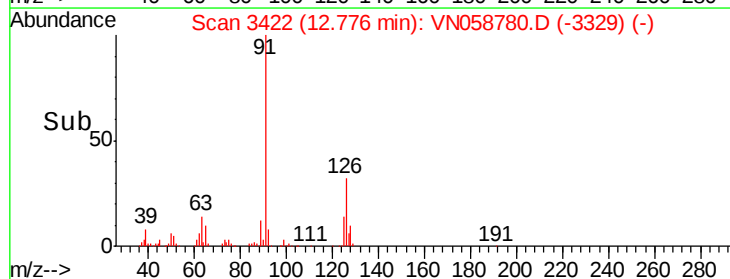
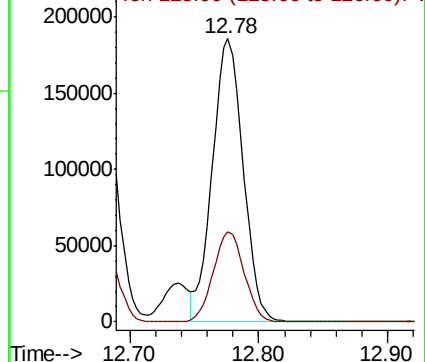
91 100

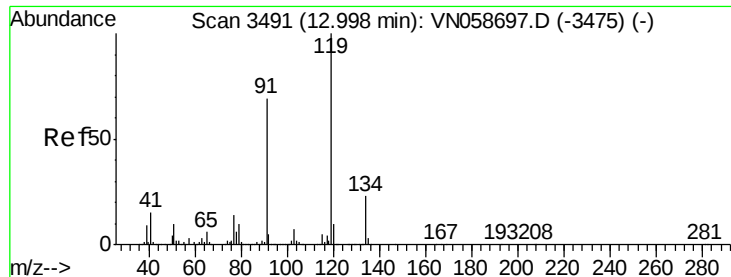
126 32.0 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

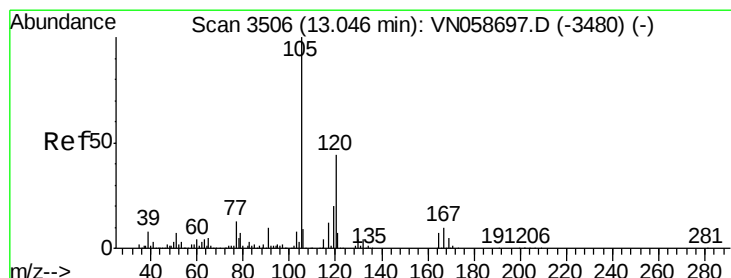
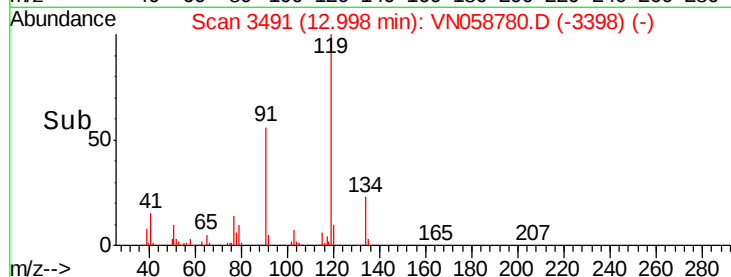
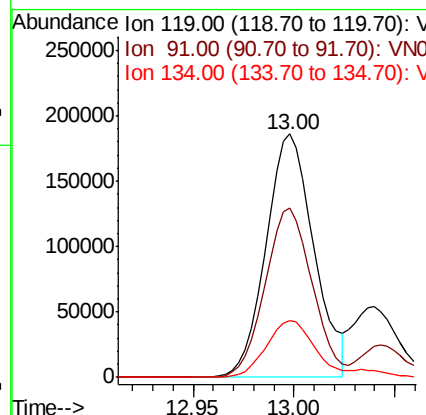
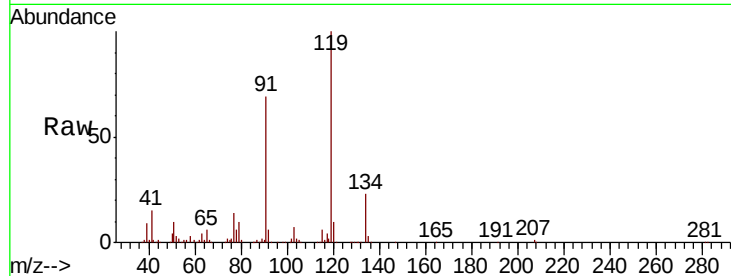




#83
tert-Butylbenzene
Concen: 20.850 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

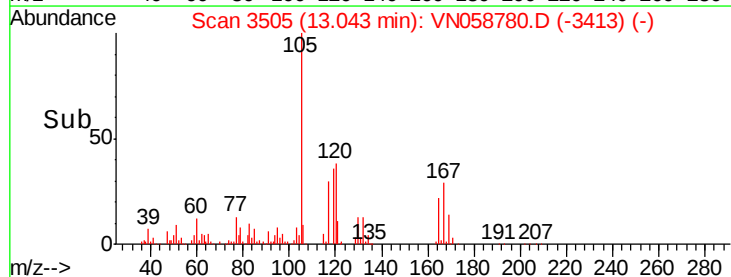
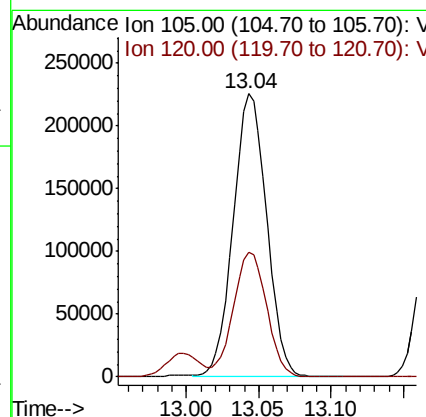
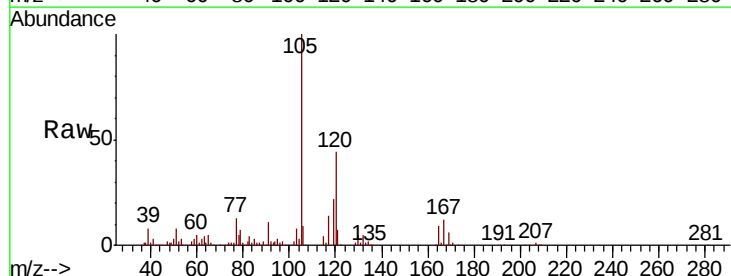
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

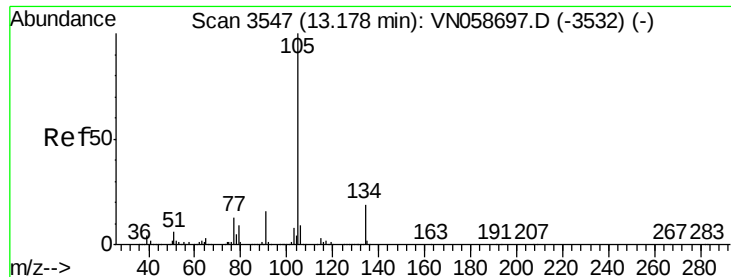
Tot Ion:119 Resp: 306536
Ion Ratio Lower Upper
119 100
91 68.9 33.8 101.3
134 23.6 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 21.171 ug/l
RT: 13.04 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion:105 Resp: 360682
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.7





#85

sec-Butylbenzene

Concen: 21.357 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

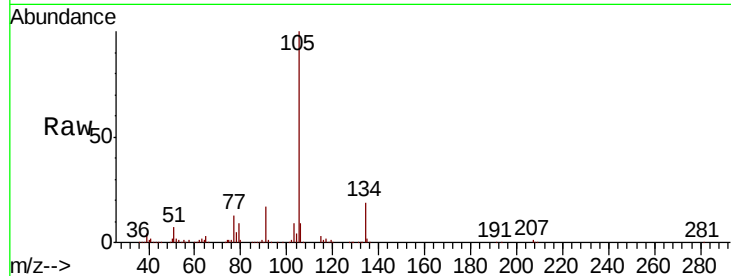
VN1015WBSD01

Tot Ion:105 Resp: 413725

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

13.17

250000

200000

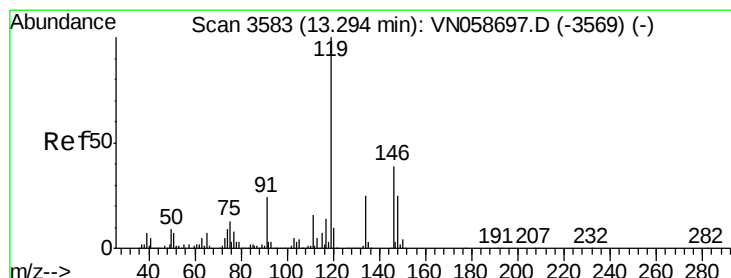
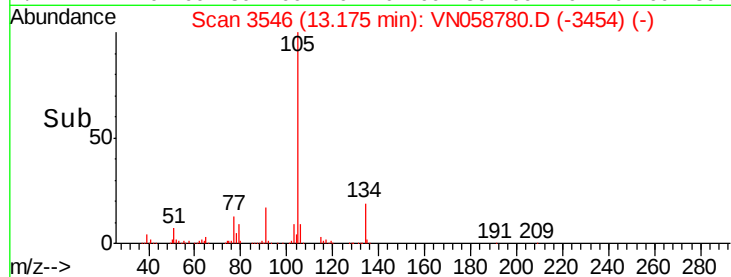
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.896 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

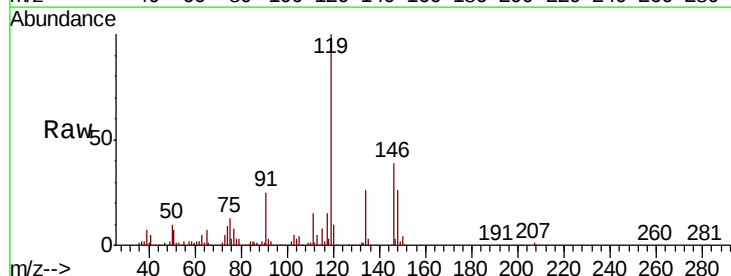
Tgt Ion:119 Resp: 367897

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 24.8 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

13.29

250000

200000

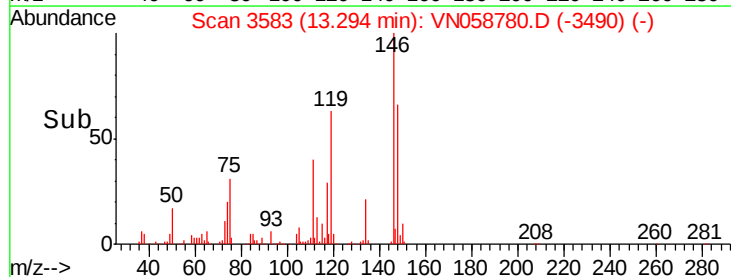
150000

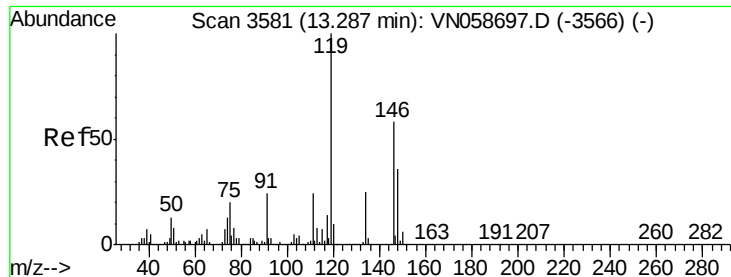
100000

50000

0

Time-->

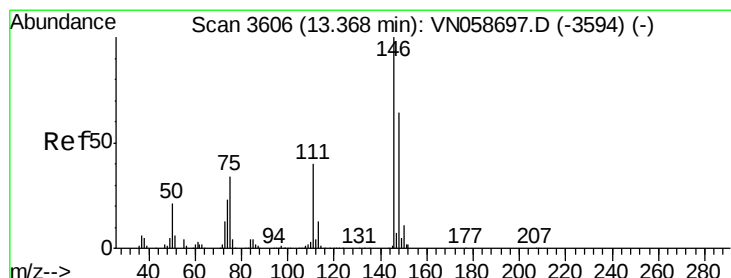
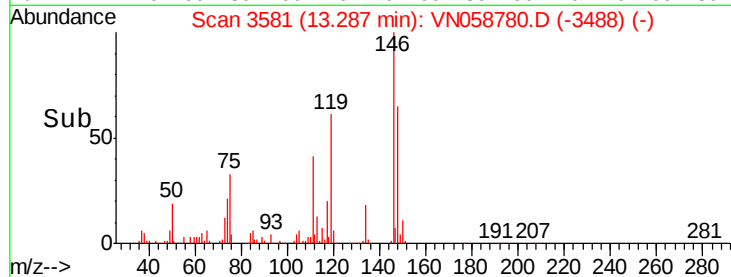
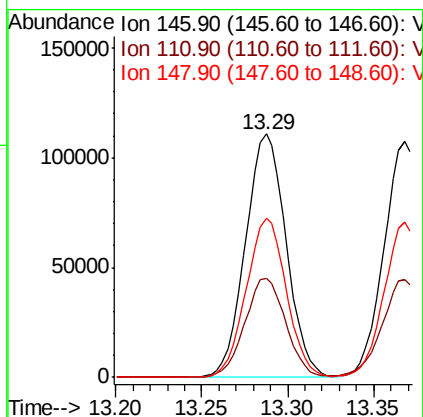
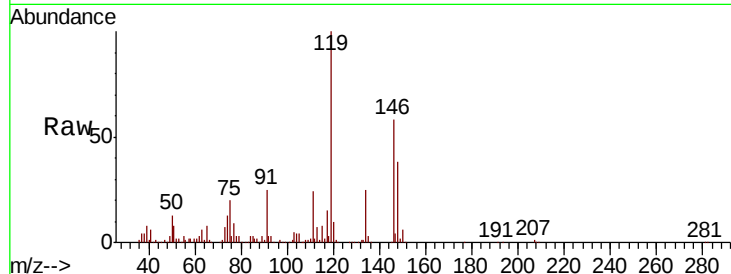




#87
 1,3-Dichlorobenzene
 Concen: 20.193 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

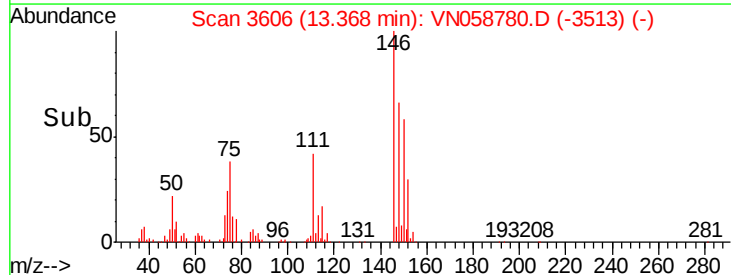
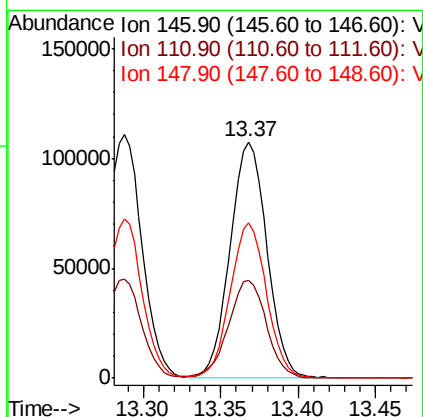
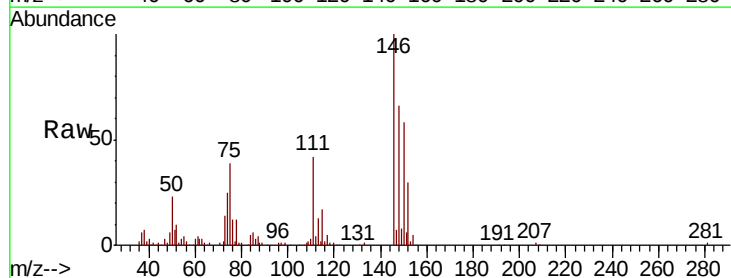
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

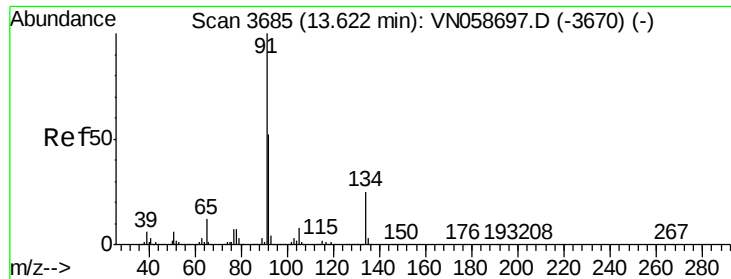
Tot Ion:146 Resp: 182083
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.5 61.6
 148 64.4 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 19.329 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion:146 Resp: 177200
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.1 60.2
 148 64.9 31.9 95.7





#89

n-Butylbenzene

Concen: 19.766 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

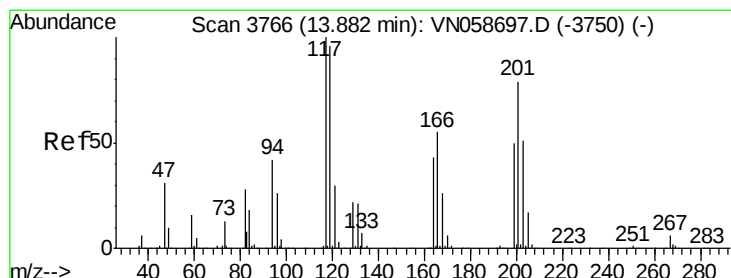
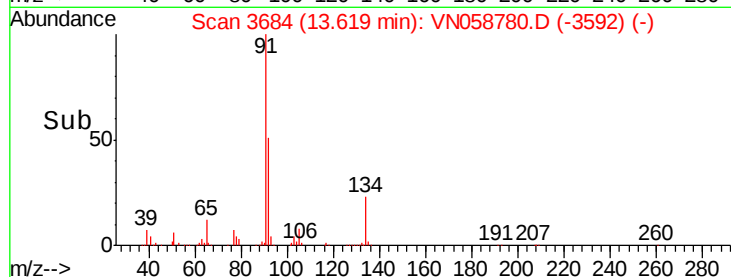
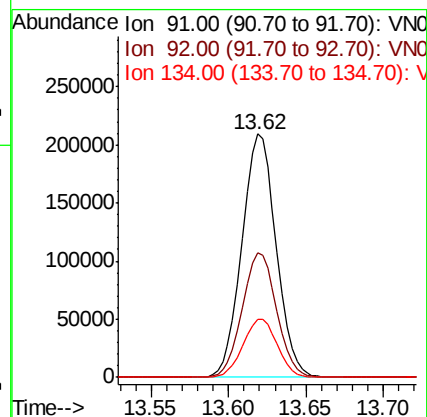
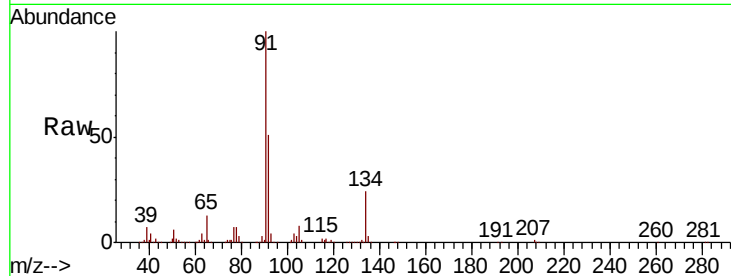
Tot Ion: 91 Resp: 321786

Ion Ratio Lower Upper

91 100

92 51.5 26.0 78.0

134 24.1 12.2 36.6



#90

Hexachloroethane

Concen: 21.442 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058780.D

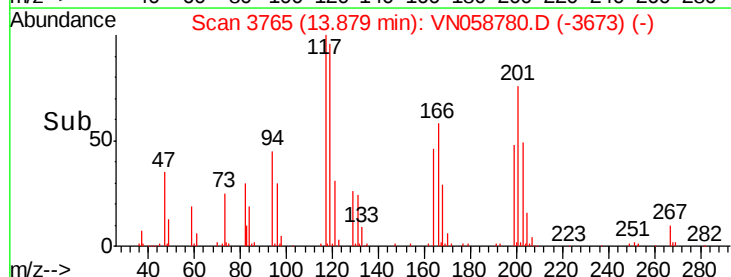
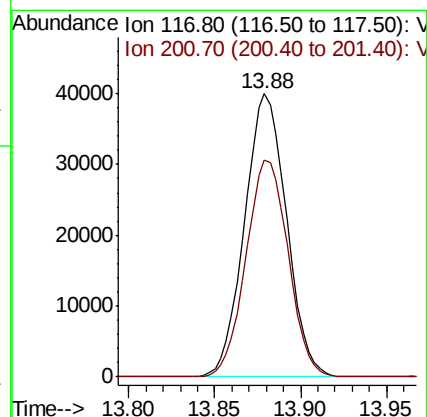
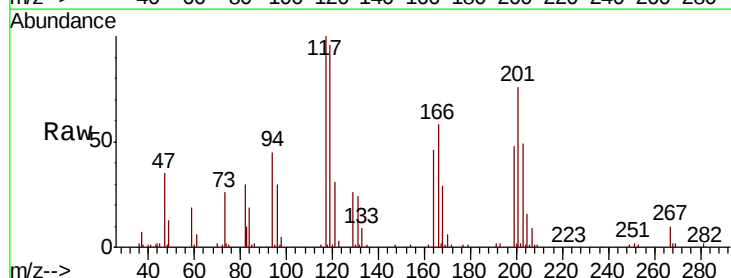
Acq: 15 Oct 2019 14:26

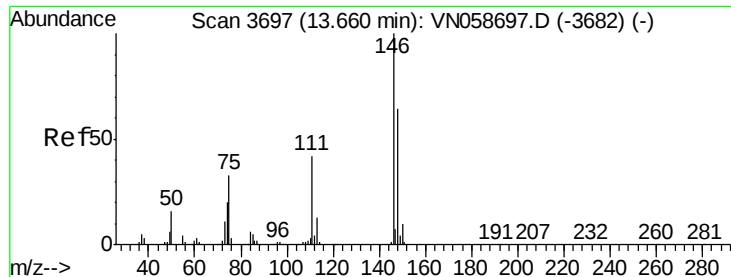
Tgt Ion: 117 Resp: 67549

Ion Ratio Lower Upper

117 100

201 77.1 39.6 118.7





#91

1,2-Dichlorobenzene

Concen: 20.475 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

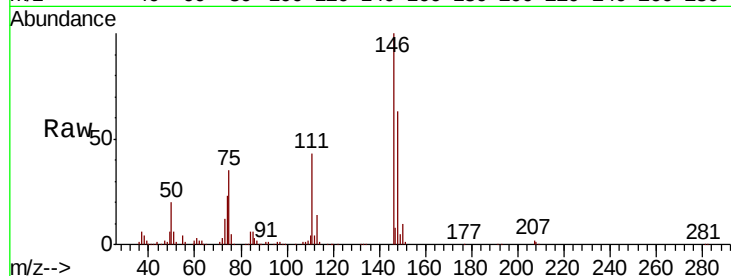
Tot Ion:146 Resp: 179939

Ion Ratio Lower Upper

146 100

111 43.3 21.1 63.4

148 63.7 31.8 95.3

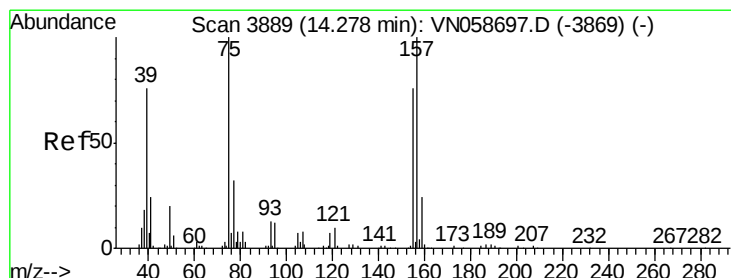
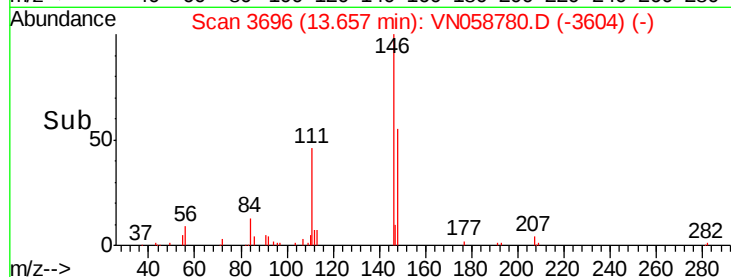
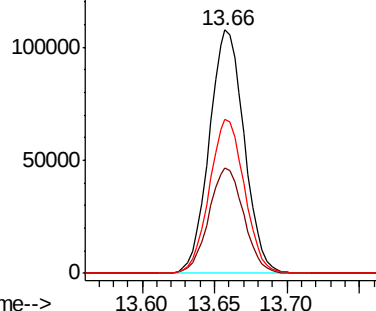


Abundance

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: 20.568 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058780.D

Acq: 15 Oct 2019 14:26

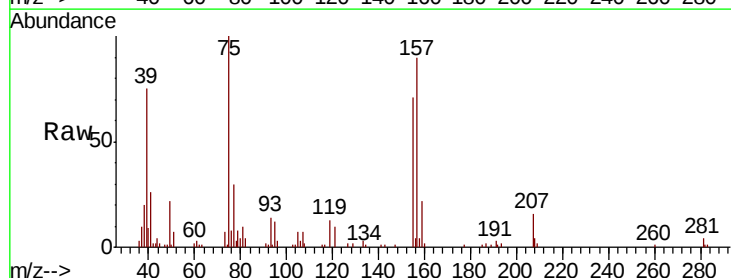
Tgt Ion: 75 Resp: 31819

Ion Ratio Lower Upper

75 100

155 70.5 37.9 113.6

157 90.7 49.4 148.2

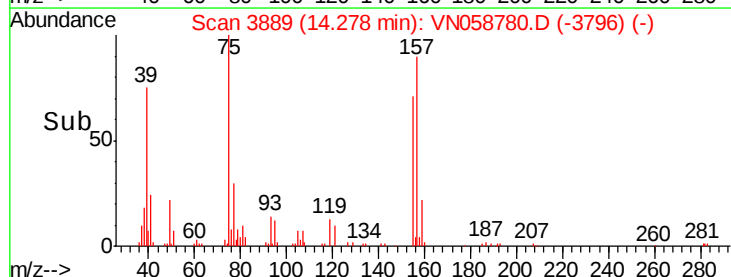
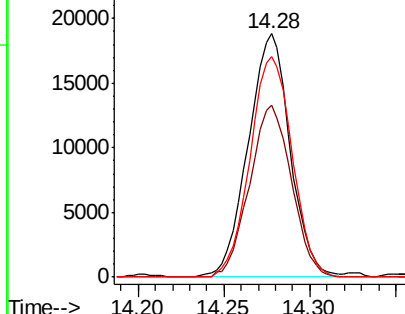


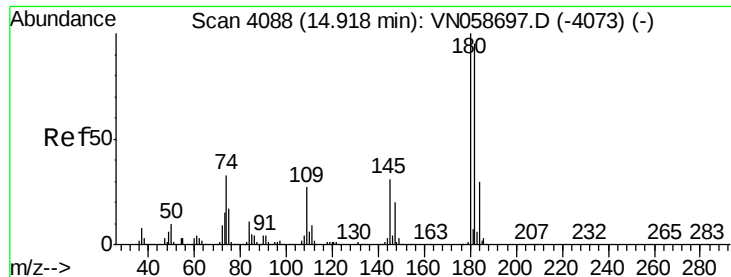
Abundance

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

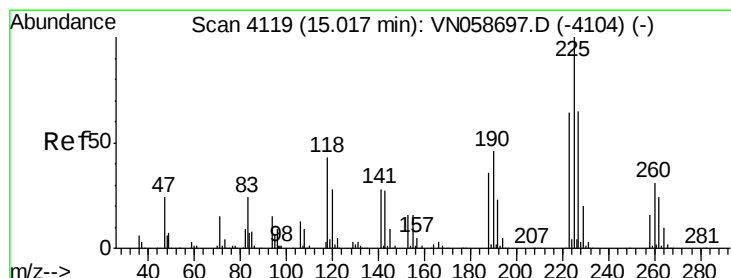
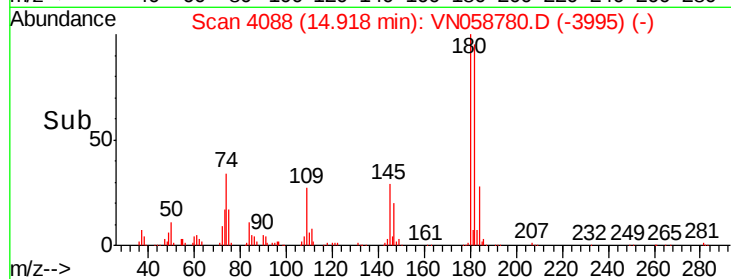
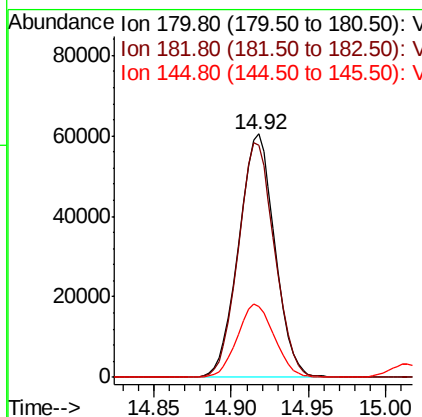
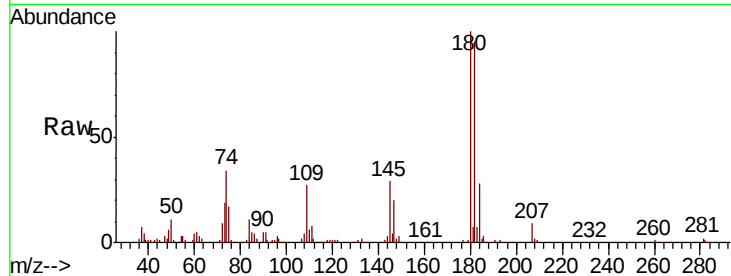




#93
 1,2,4-Trichlorobenzene
 Concen: 18.334 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

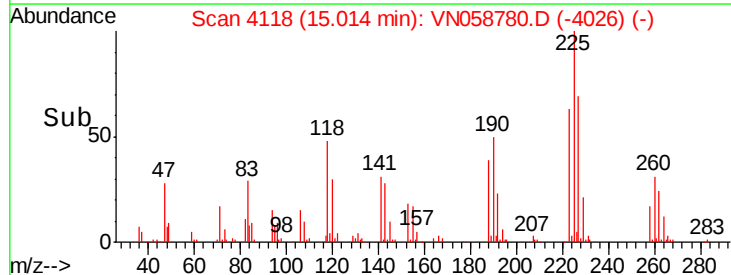
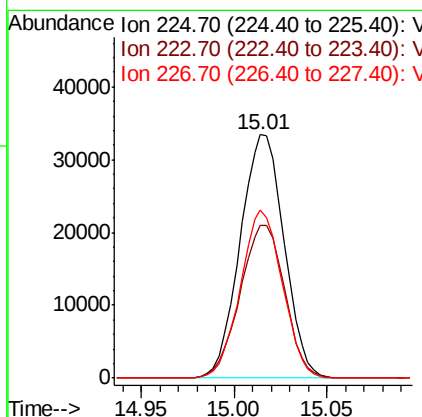
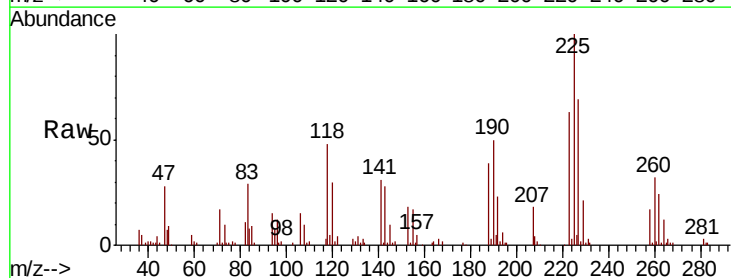
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

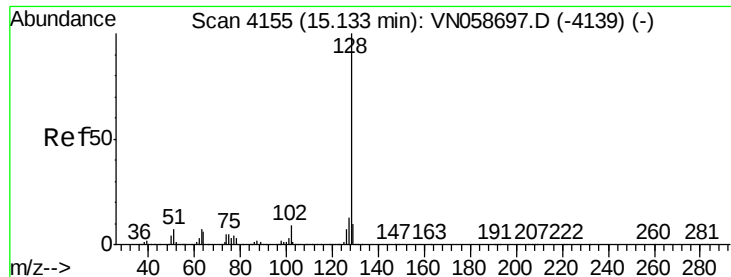
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	30.7	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 19.466 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058780.D
 Acq: 15 Oct 2019 14:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.3	96.8
227	65.9	32.4	97.0

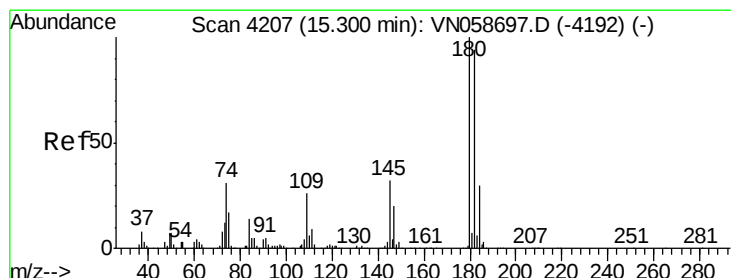
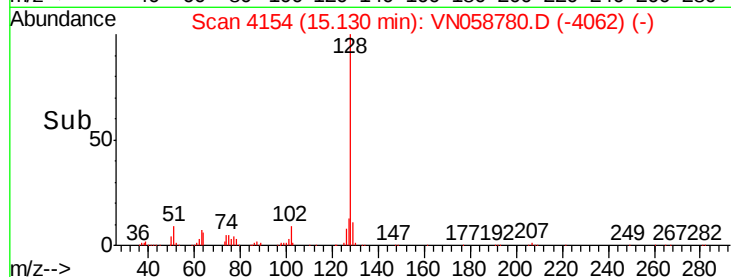
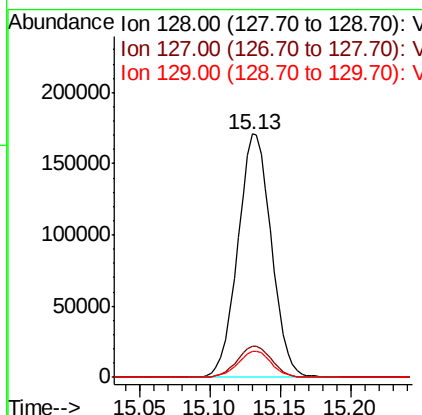
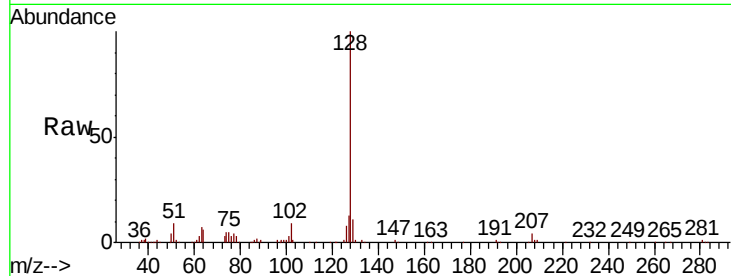




#95
Naphthalene
Concen: 18.478 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tot Ion:128 Resp: 284698
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.830 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058780.D
Acq: 15 Oct 2019 14:26

Tgt Ion:180 Resp: 98556
Ion Ratio Lower Upper
180 100
182 94.1 47.3 142.0
145 33.2 16.2 48.6

