

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058750.D
 Acq On : 14 Oct 2019 15:27
 Operator : JC/SP
 Sample : VN1014WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Quant Time: Oct 15 03:10:45 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	400894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	642797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284106	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	290106	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	7.57	113	205693	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
50) Toluene-d8	10.08	98	811432	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.41	95	290998	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	108358	21.702	ug/l	96
3) Chloromethane	2.04	50	122754	20.675	ug/l	98
4) Vinyl Chloride	2.17	62	122299	20.682	ug/l	98
5) Bromomethane	2.55	94	76547	21.279	ug/l	99
6) Chloroethane	2.68	64	77286	21.189	ug/l	99
7) Trichlorofluoromethane	3.00	101	152169	21.502	ug/l	99
8) Diethyl Ether	3.39	74	52645	20.134	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85775	21.257	ug/l	96
10) Methyl Iodide	3.93	142	107056	19.442	ug/l	99
11) Tert butyl alcohol	4.76	59	97463	107.226	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	78673	20.434	ug/l	95
13) Acrolein	3.58	56	61717	84.426	ug/l	96
14) Allyl chloride	4.30	41	154706	19.912	ug/l	98
15) Acrylonitrile	4.96	53	244426	106.633	ug/l	98
16) Acetone	3.80	43	262307	112.892	ug/l	99
17) Carbon Disulfide	4.03	76	244676	19.881	ug/l	99
18) Methyl Acetate	4.30	43	122185	20.731	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	282478	20.547	ug/l	98
20) Methylene Chloride	4.53	84	95303	19.626	ug/l	100
21) trans-1,2-Dichloroethene	5.02	96	87163	20.240	ug/l	97
22) Diisopropyl ether	5.93	45	313627	20.761	ug/l	97
23) Vinyl Acetate	5.87	43	1334622	109.489	ug/l	100
24) 1,1-Dichloroethane	5.82	63	177620	20.644	ug/l	100
25) 2-Butanone	6.81	43	356097	106.032	ug/l	98
26) 2,2-Dichloropropane	6.80	77	156222	19.891	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	100435	19.999	ug/l	100
28) Bromochloromethane	7.18	49	62885	21.009	ug/l	97
29) Tetrahydrofuran	7.19	42	225234	103.780	ug/l	99
30) Chloroform	7.35	83	174952	20.239	ug/l	100
31) Cyclohexane	7.64	56	163880	19.907	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	155322	21.069	ug/l	99
36) 1,1-Dichloropropene	7.78	75	131498	20.233	ug/l	99
37) Ethyl Acetate	6.91	43	143907	21.894	ug/l	98
38) Carbon Tetrachloride	7.76	117	136123	21.491	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	149815	19.865	ug/l	98
40) Benzene	8.02	78	388852	20.833	ug/l	100
41) Methacrylonitrile	7.15	41	58529	19.023	ug/l #	29
42) 1,2-Dichloroethane	8.11	62	151554	21.134	ug/l	99
43) Isopropyl Acetate	8.15	43	229594	20.505	ug/l #	92
44) Trichloroethene	8.82	130	95480	20.599	ug/l	99
45) 1,2-Dichloropropane	9.11	63	104857	20.985	ug/l	97
46) Dibromomethane	9.20	93	68266	21.549	ug/l	99
47) Bromodichloromethane	9.39	83	136978	21.233	ug/l	98
48) Methyl methacrylate	9.19	41	103465	20.385	ug/l	99
49) 1,4-Dioxane	9.19	88	34793	443.106	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	713739	113.501	ug/l	99
52) Toluene	10.15	92	236802	20.743	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	151668	20.498	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	163624	20.828	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	96208	20.590	ug/l	98
56) Ethyl methacrylate	10.43	69	139391	20.420	ug/l	99
57) 1,3-Dichloropropane	10.71	76	164978	20.720	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	332103	100.952	ug/l	100
59) 2-Hexanone	10.75	43	535022	110.094	ug/l	99
60) Dibromochloromethane	10.90	129	101882	21.137	ug/l	99
61) 1,2-Dibromoethane	11.00	107	97648	20.860	ug/l	100
64) Tetrachloroethene	10.63	164	83064	19.945	ug/l	96
65) Chlorobenzene	11.43	112	245182	20.288	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	93384	20.897	ug/l	99
67) Ethyl Benzene	11.51	91	447634	20.779	ug/l	99
68) m/p-Xylenes	11.62	106	332609	41.142	ug/l	99
69) o-Xylene	11.95	106	157807	20.175	ug/l	99
70) Styrene	11.97	104	258254	20.145	ug/l	99
71) Bromoform	12.13	173	68776	20.997	ug/l #	100
73) Isopropylbenzene	12.25	105	433222	21.055	ug/l	99
74) N-amyl acetate	12.07	43	192508	20.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	147517	21.763	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	193349	31.022	ug/l #	100
77) Bromobenzene	12.53	156	101467	20.274	ug/l	98
78) n-propylbenzene	12.60	91	511783	21.346	ug/l	99
79) 2-Chlorotoluene	12.68	91	303940	20.424	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	365729	20.820	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48100	20.673	ug/l	95
82) 4-Chlorotoluene	12.78	91	313235	20.512	ug/l	99
83) tert-Butylbenzene	13.00	119	307608	20.441	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	367046	21.048	ug/l	98
85) sec-Butylbenzene	13.18	105	420509	21.207	ug/l	100
86) p-Isopropyltoluene	13.29	119	373301	20.714	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	186932	20.253	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	180743	19.261	ug/l	96
89) n-Butylbenzene	13.62	91	336582	20.198	ug/l	99
90) Hexachloroethane	13.88	117	68380	21.205	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	184481	20.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	31672	20.001	ug/l	96

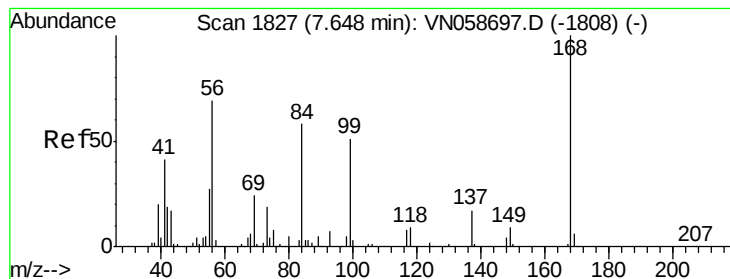
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	106172	19.348	ug/l	98
94) Hexachlorobutadiene	15.01	225	58435	20.222	ug/l	98
95) Naphthalene	15.13	128	296094	18.775	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	103875	19.389	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

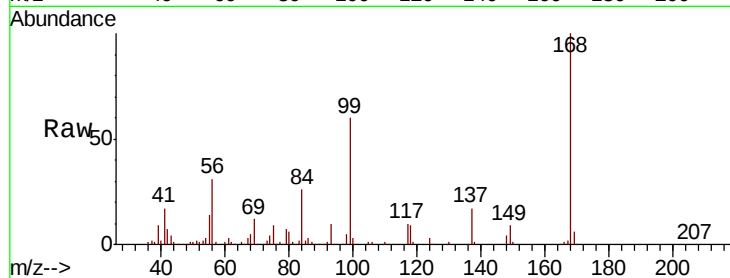
VN1014WBS01

Tot Ion:168 Resp: 400894

Ion Ratio Lower Upper

168 100

99 59.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.65

150000

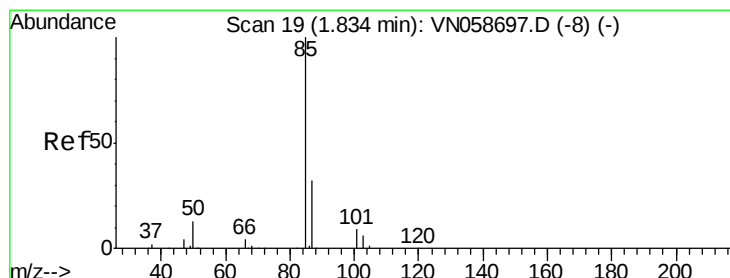
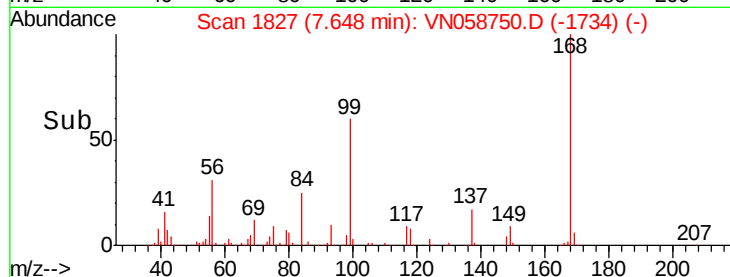
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.702 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058750.D

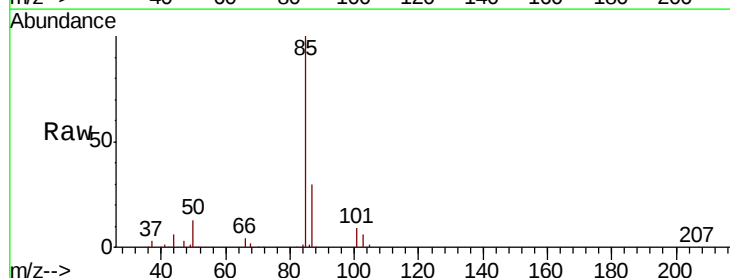
Acq: 14 Oct 2019 15:27

Tgt Ion: 85 Resp: 108358

Ion Ratio Lower Upper

85 100

87 30.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.84

80000

60000

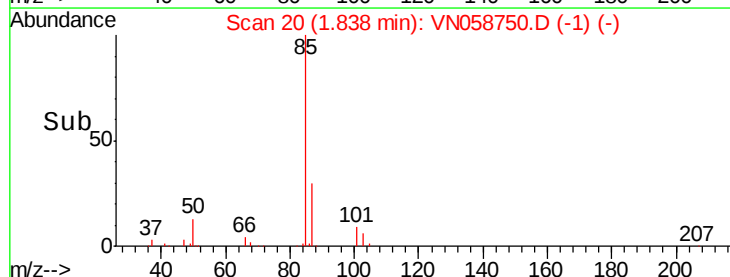
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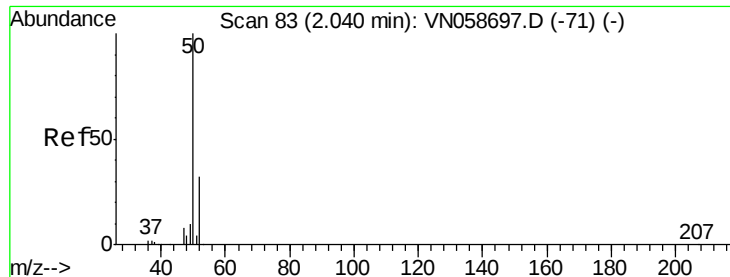
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.675 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

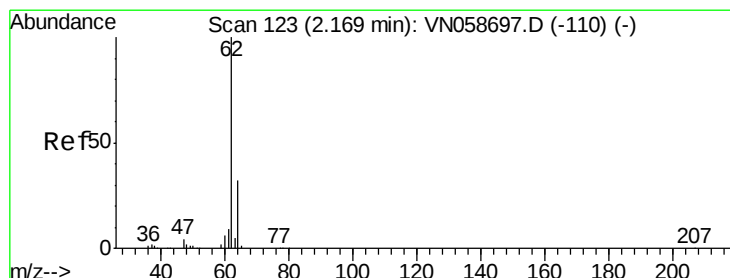
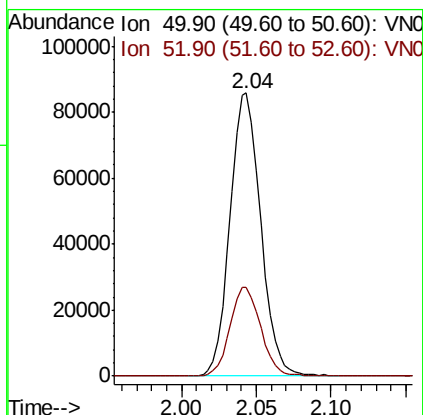
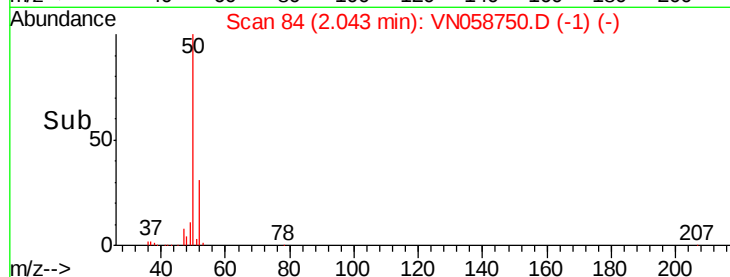
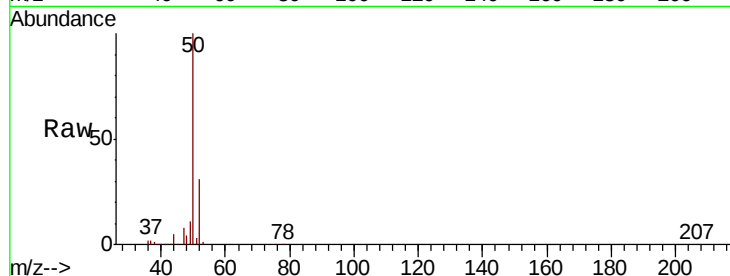
VN1014WBS01

Tot Ion: 50 Resp: 122754

Ion Ratio Lower Upper

50 100

52 31.3 25.8 38.6



#4

Vinyl Chloride

Concen: 20.682 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058750.D

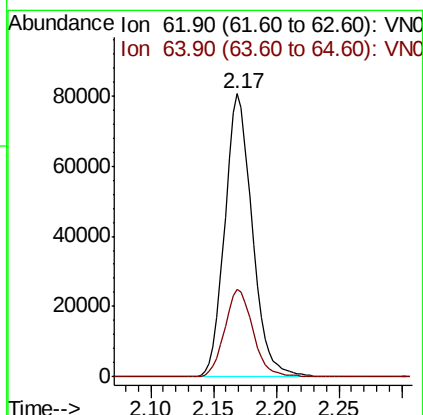
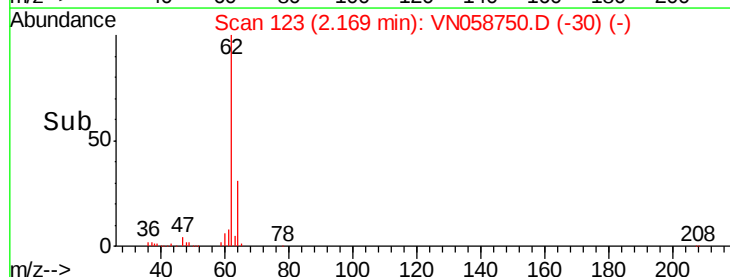
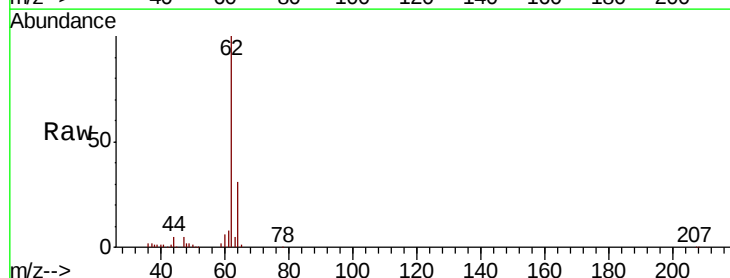
Acq: 14 Oct 2019 15:27

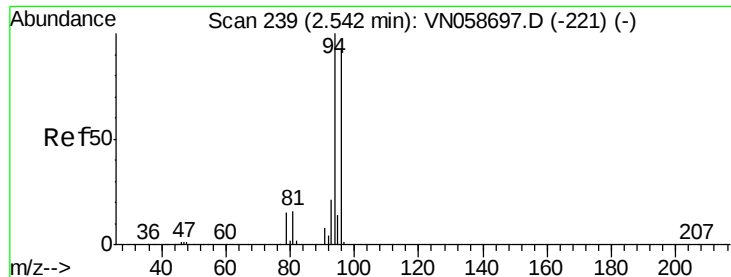
Tgt Ion: 62 Resp: 122299

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 21.279 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

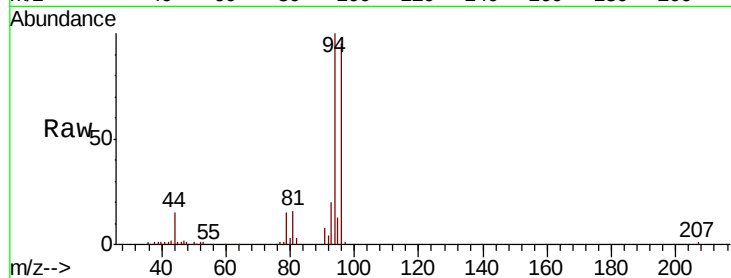
VN1014WBS01

Tot Ion: 94 Resp: 76547

Ion Ratio Lower Upper

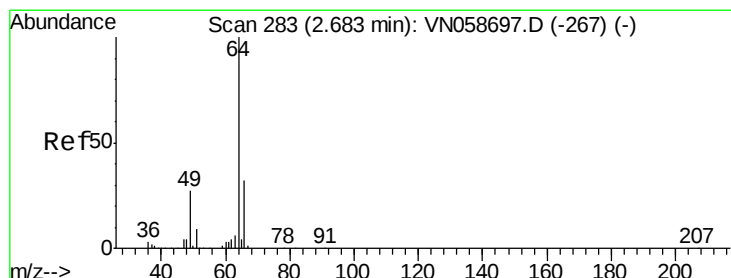
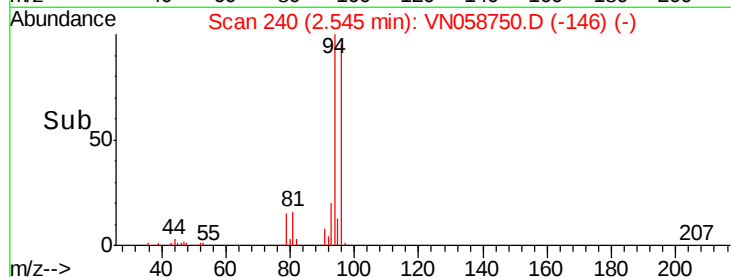
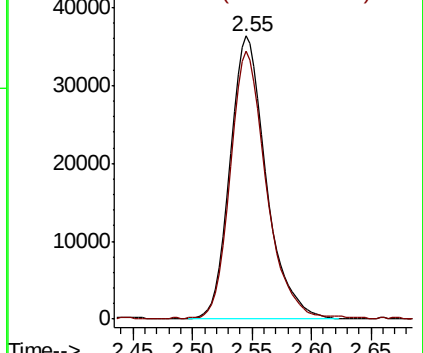
94 100

96 94.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 21.189 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058750.D

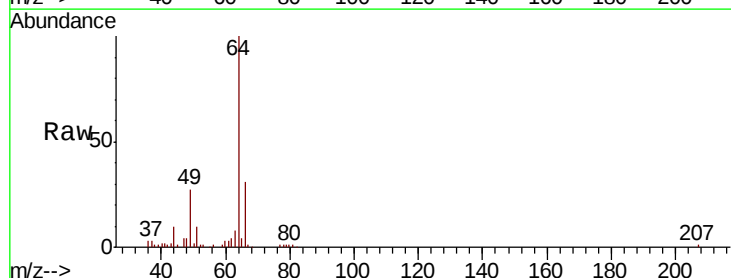
Acq: 14 Oct 2019 15:27

Tgt Ion: 64 Resp: 77286

Ion Ratio Lower Upper

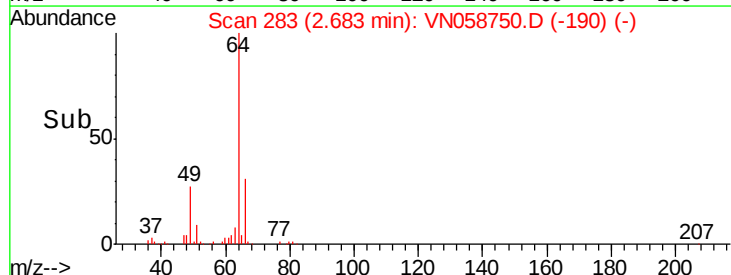
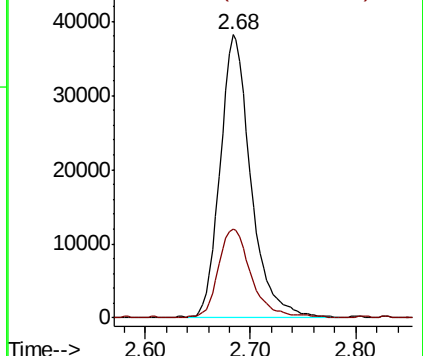
64 100

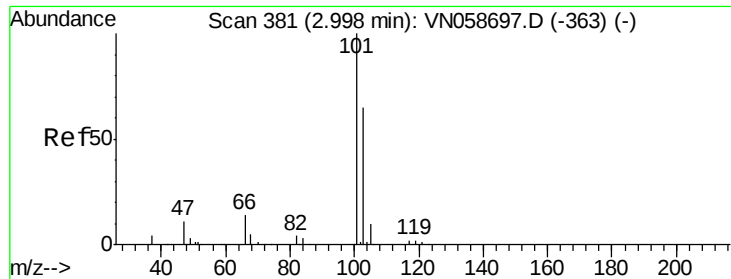
66 31.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



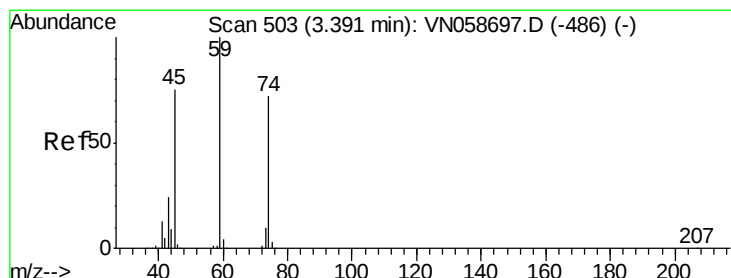
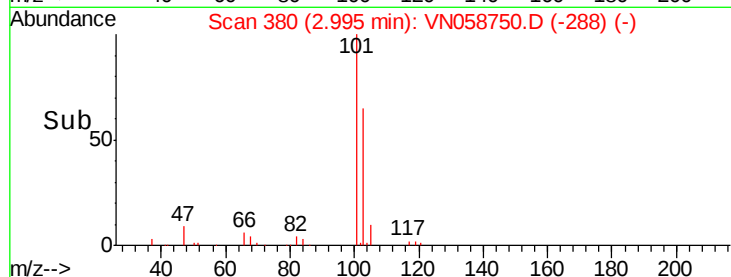
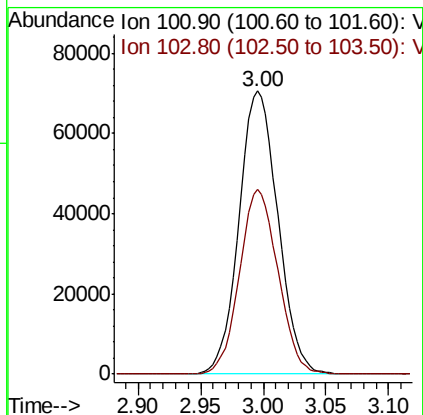
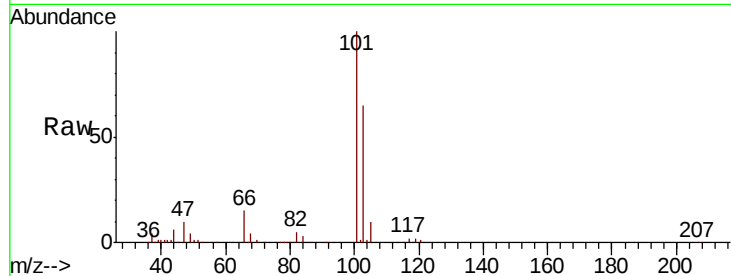


#7

Trichlorofluoromethane
 Concen: 21.502 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
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 VN1014WBS01

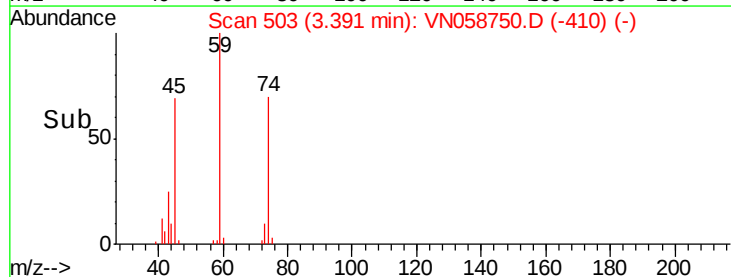
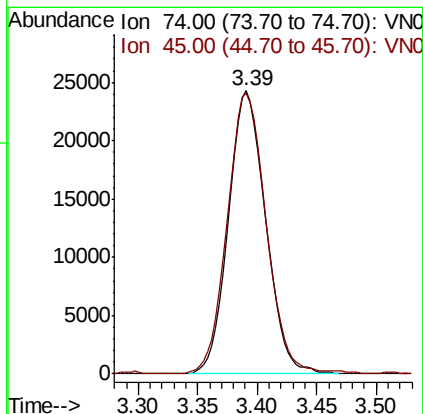
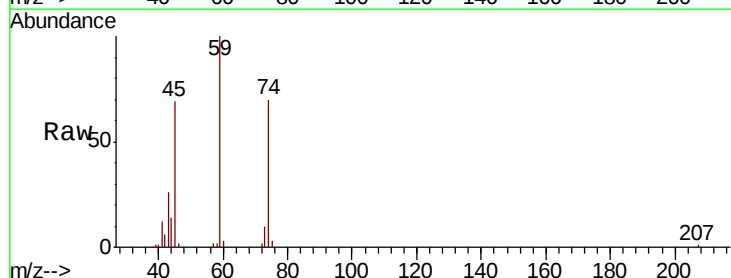
Tot Ion:101 Resp: 152169
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.8 77.6

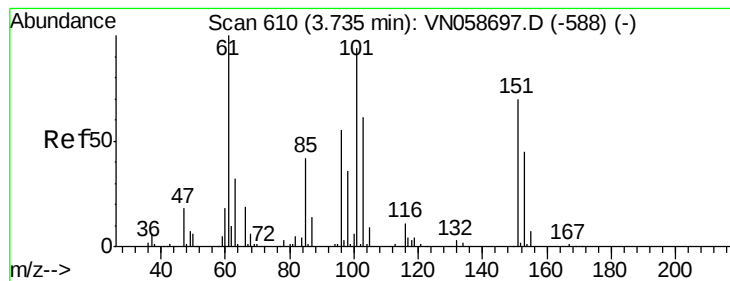


#8

Diethyl Ether
 Concen: 20.134 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion: 74 Resp: 52645
 Ion Ratio Lower Upper
 74 100
 45 103.5 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.257 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

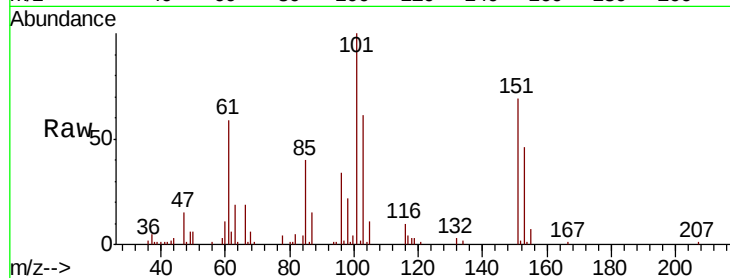
Tot Ion:101 Resp: 85775

Ion Ratio Lower Upper

101 100

85 44.4 37.0 55.6

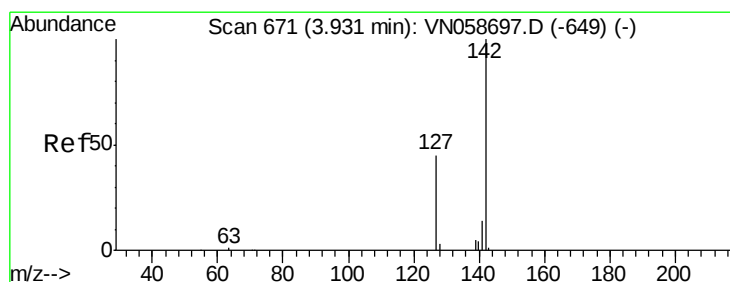
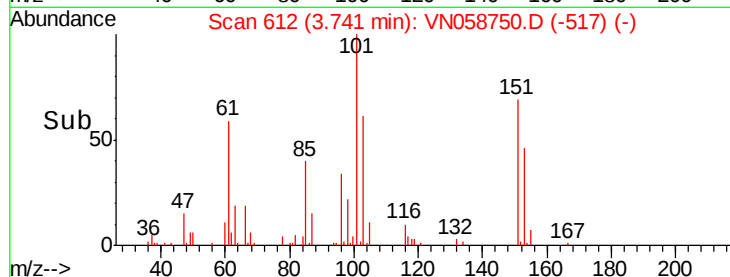
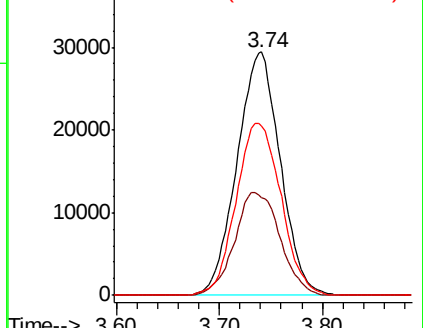
151 73.3 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.442 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

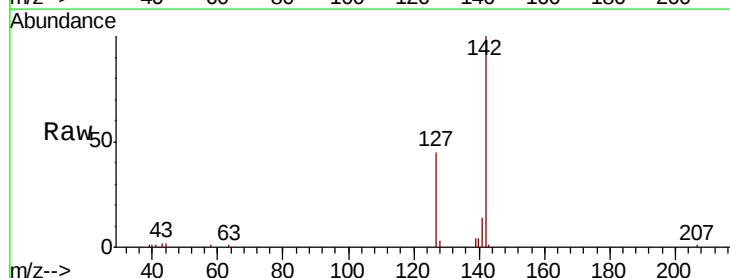
Tgt Ion:142 Resp: 107056

Ion Ratio Lower Upper

142 100

127 46.6 36.4 54.6

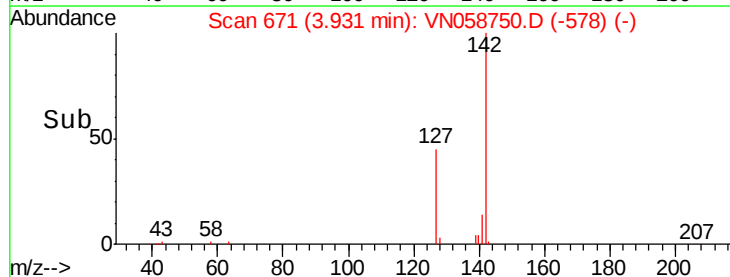
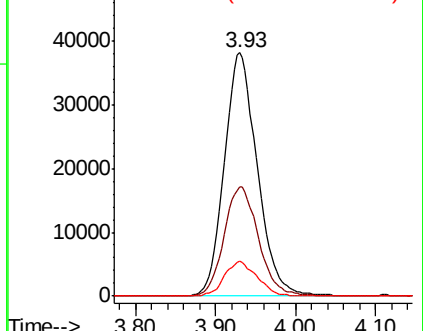
141 14.1 11.1 16.7

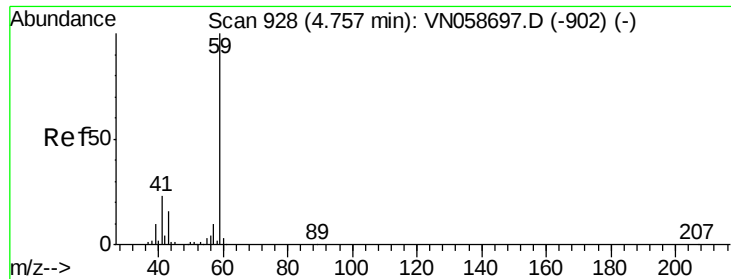


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



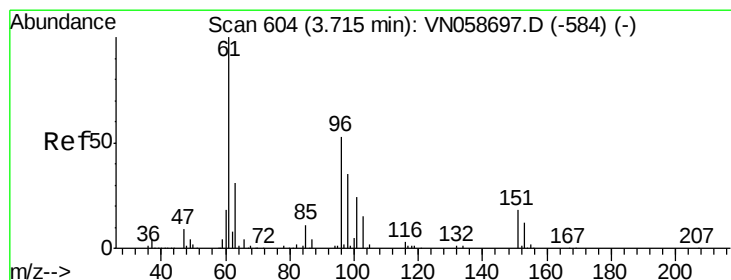
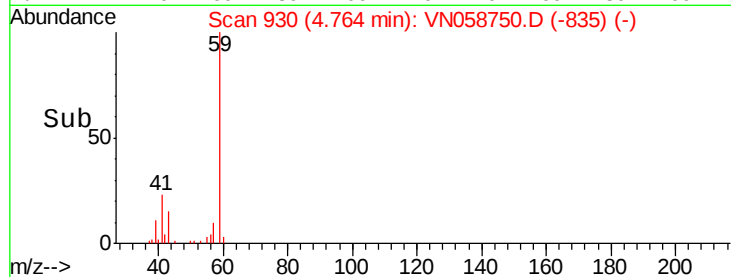
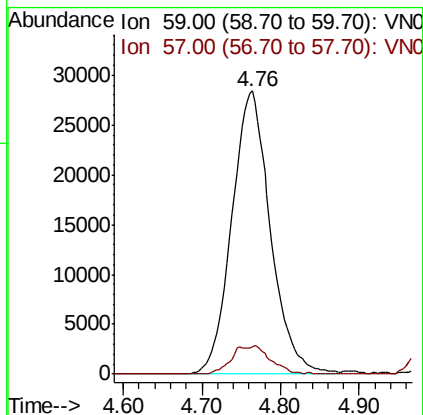
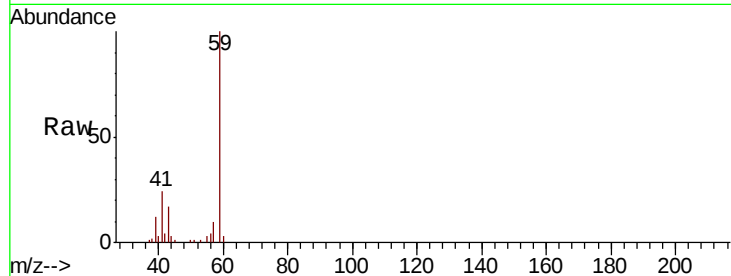


#11

Tert butyl alcohol
 Concen: 107.226 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

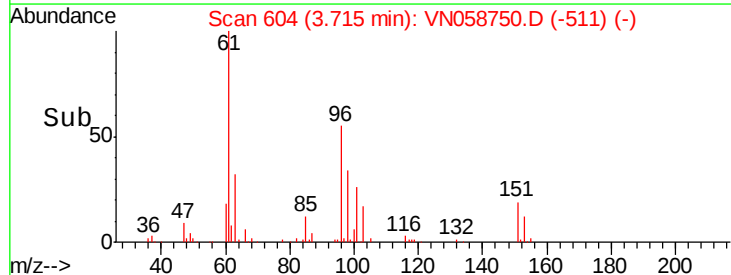
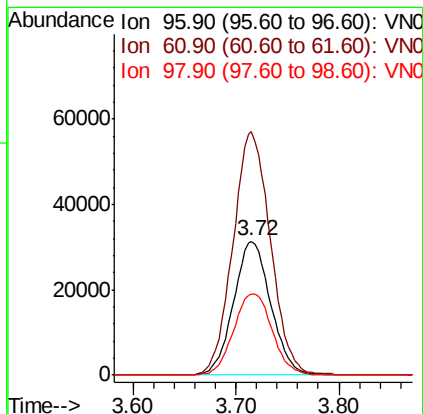
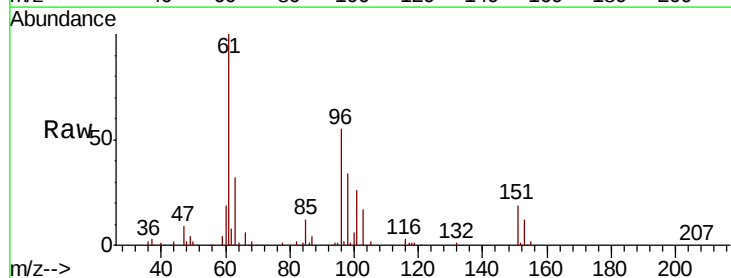
Tot Ion: 59 Resp: 97463
 Ion Ratio Lower Upper
 59 100
 57 4.9 8.4 12.6#

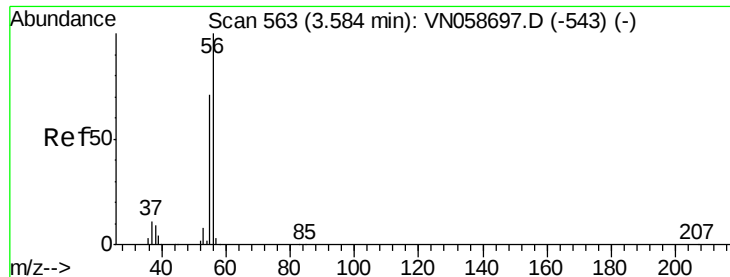


#12

1,1-Dichloroethene
 Concen: 20.434 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion: 96 Resp: 78673
 Ion Ratio Lower Upper
 96 100
 61 181.5 151.3 226.9
 98 60.9 52.6 78.8





#13

Acrolein

Concen: 84.426 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampled :

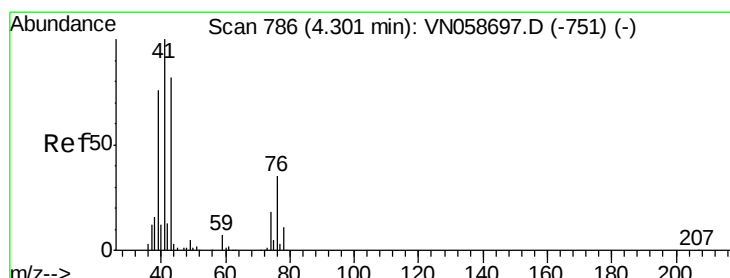
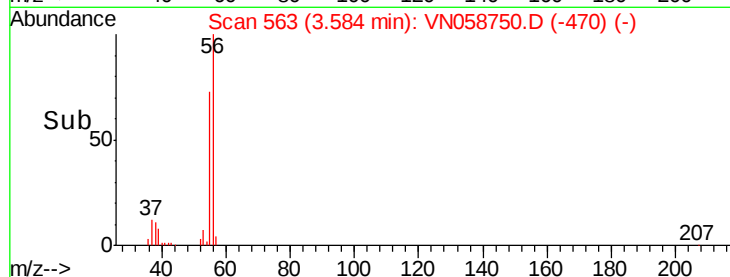
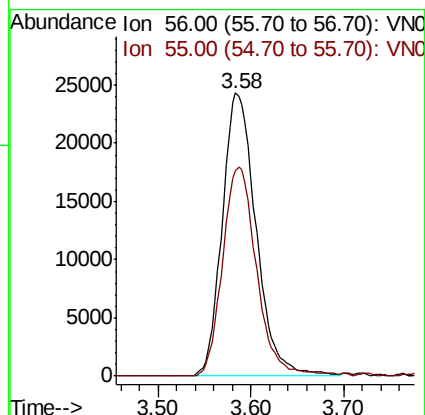
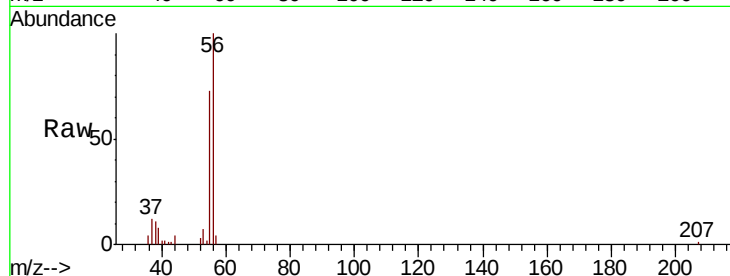
VN1014WBS01

Tot Ion: 56 Resp: 61717

Ion Ratio Lower Upper

56 100

55 73.9 56.7 85.1



#14

Allyl chloride

Concen: 19.912 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

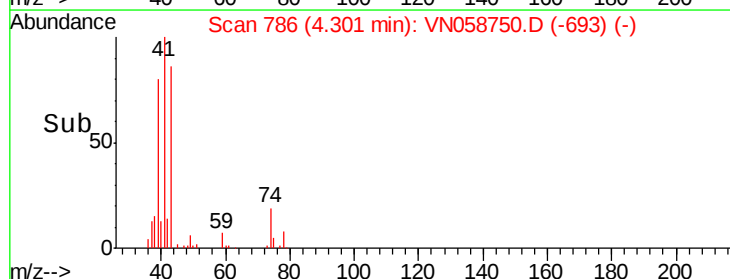
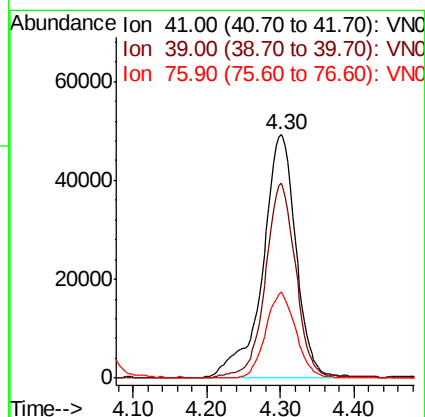
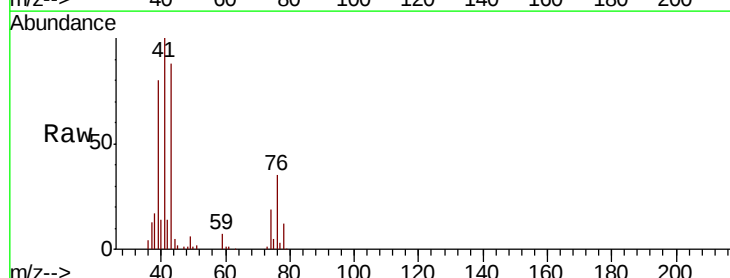
Tgt Ion: 41 Resp: 154706

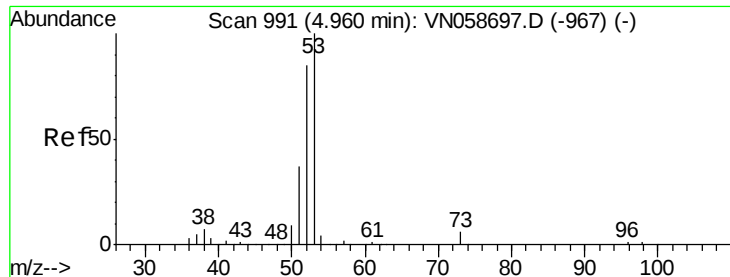
Ion Ratio Lower Upper

41 100

39 73.6 57.2 85.8

76 31.8 25.0 37.6





#15

Acrylonitrile

Concen: 106.633 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

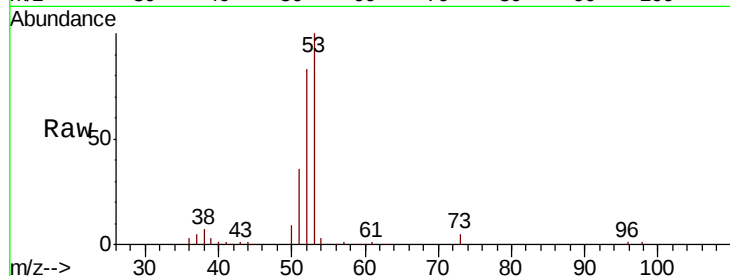
Tot Ion: 53 Resp: 244426

Ion Ratio Lower Upper

53 100

52 83.7 66.2 99.2

51 38.3 29.4 44.2



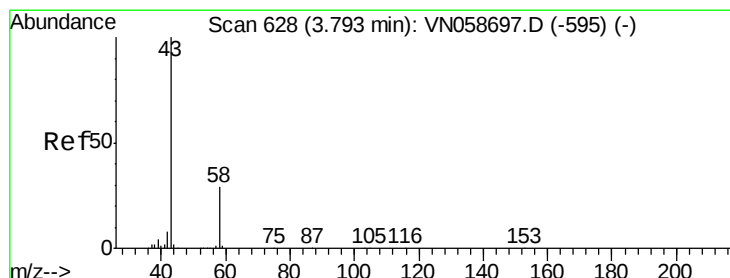
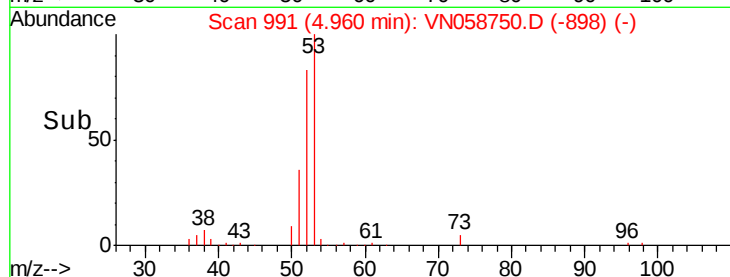
Abundance Ion 53.00 (52.70 to 53.70): VN058750.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN058750.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VN058750.D (-898) (-)

4.96

Time-->



#16

Acetone

Concen: 112.892 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058750.D

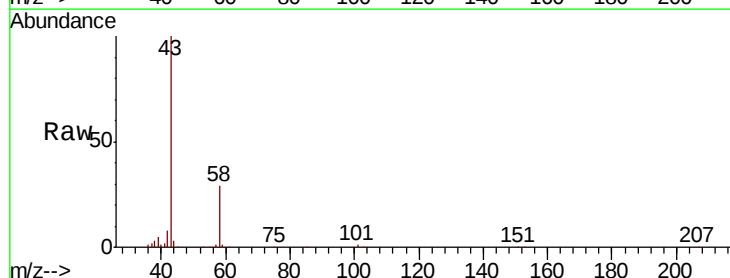
Acq: 14 Oct 2019 15:27

Tgt Ion: 43 Resp: 262307

Ion Ratio Lower Upper

43 100

58 29.4 23.3 34.9

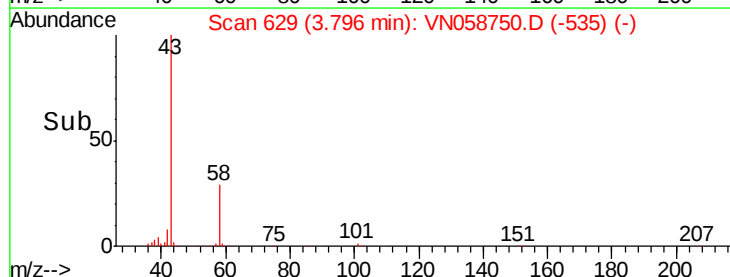


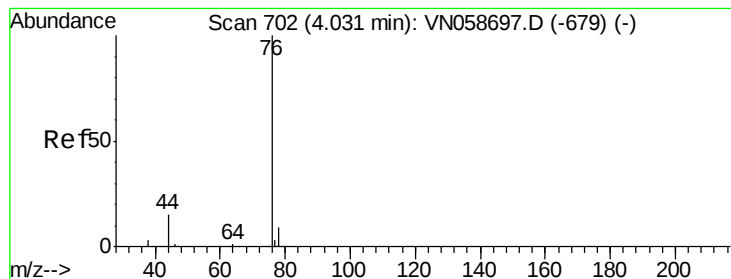
Abundance Ion 43.00 (42.70 to 43.70): VN058750.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058750.D (-535) (-)

3.80

Time-->





#17

Carbon Disulfide

Concen: 19.881 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampled :

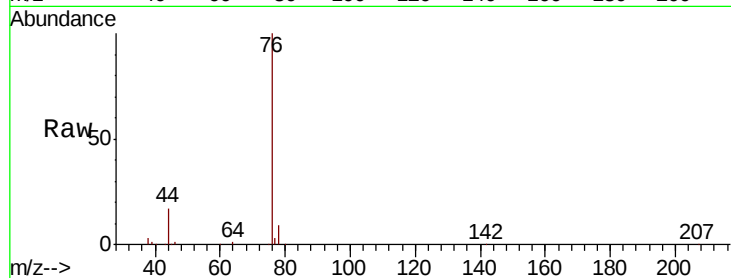
VN1014WBS01

Tot Ion: 76 Resp: 244676

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

100000

80000

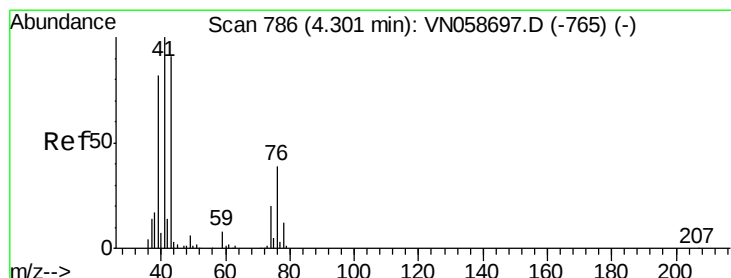
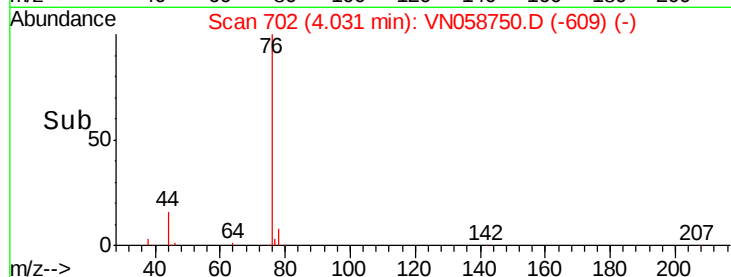
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 20.731 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058750.D

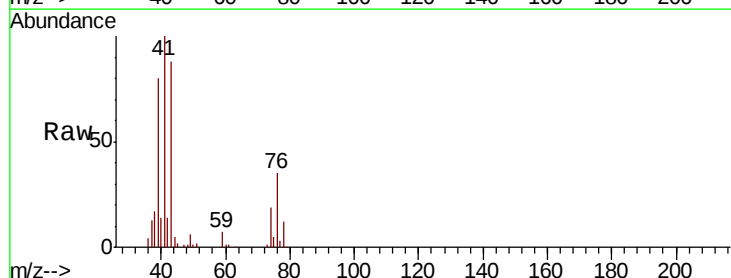
Acq: 14 Oct 2019 15:27

Tgt Ion: 43 Resp: 122185

Ion Ratio Lower Upper

43 100

74 22.6 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

50000

40000

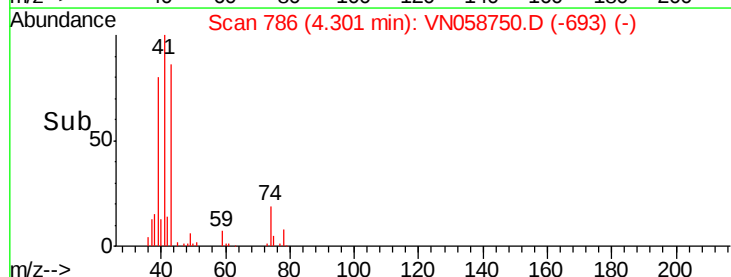
30000

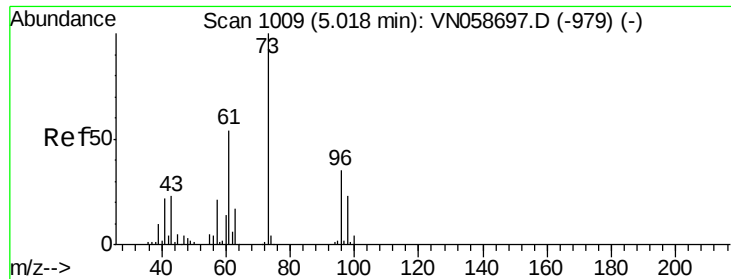
20000

10000

0

Time--> 4.20 4.30 4.40

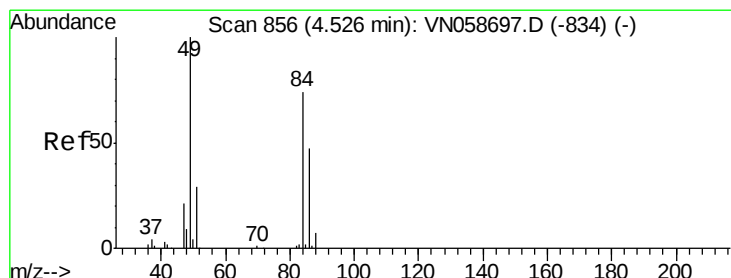
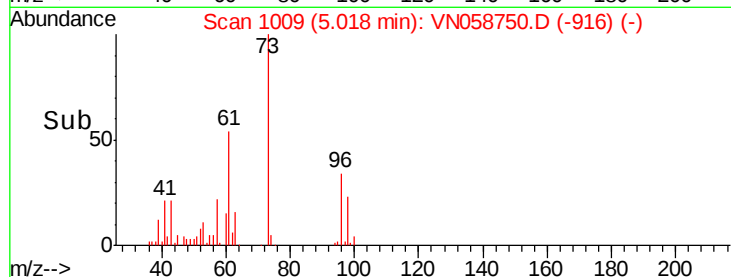
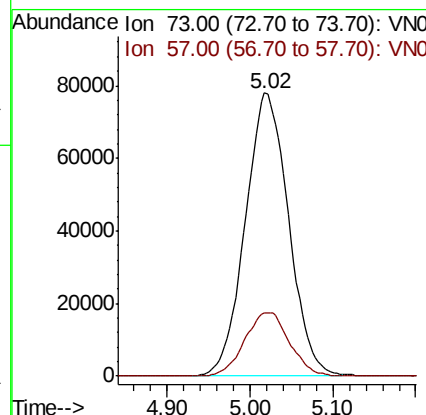
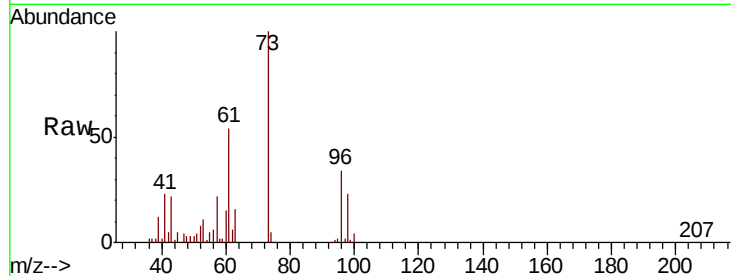




#19
Methyl tert-butyl Ether
Concen: 20.547 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

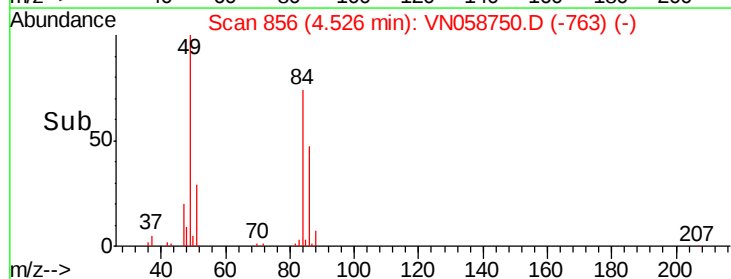
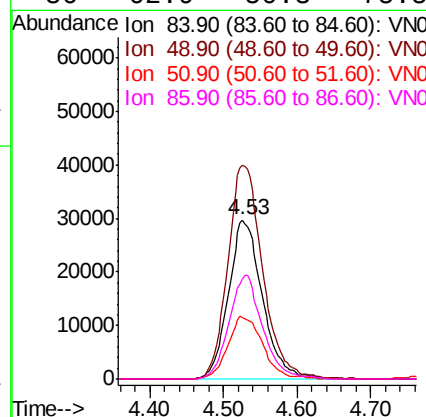
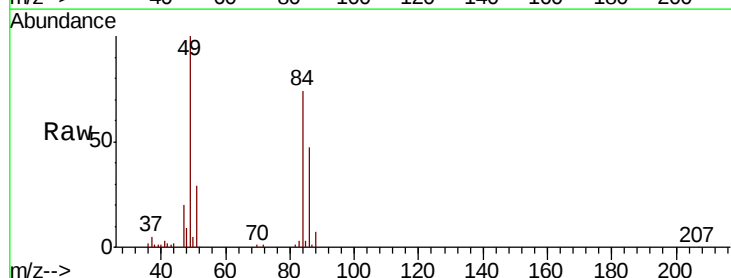
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

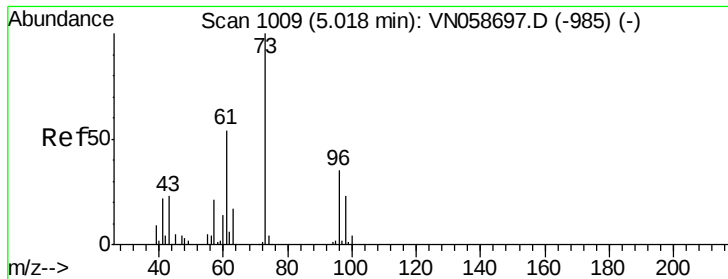
Tot Ion: 73 Resp: 282478
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.6



#20
Methylene Chloride
Concen: 19.626 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion: 84 Resp: 95303
Ion Ratio Lower Upper
84 100
49 134.5 107.6 161.4
51 39.0 31.4 47.0
86 62.9 50.3 75.5

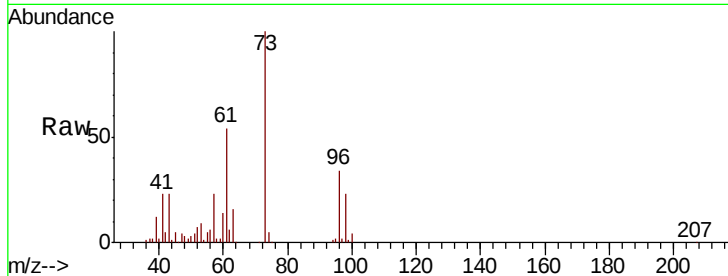




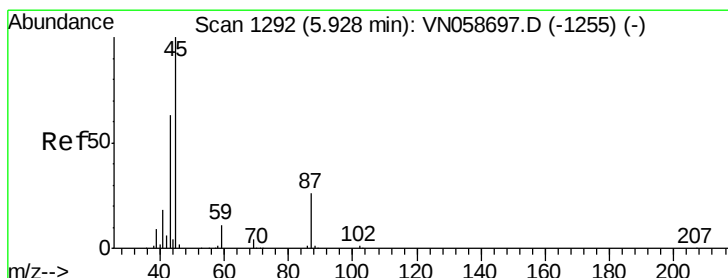
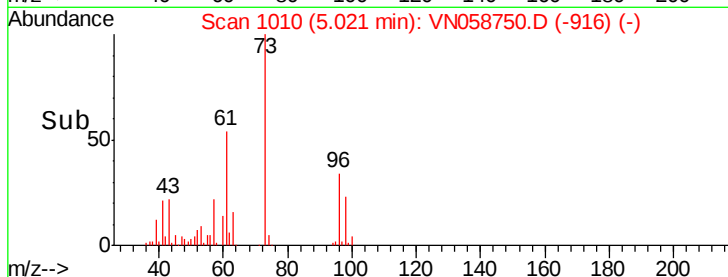
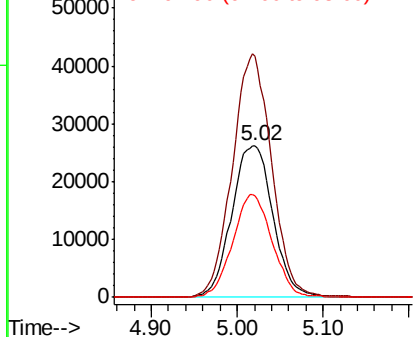
#21
trans-1,2-Dichloroethene
Concen: 20.240 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion: 96 Resp: 87163
Ion Ratio Lower Upper
96 100
61 158.4 123.6 185.4
98 66.7 52.1 78.1

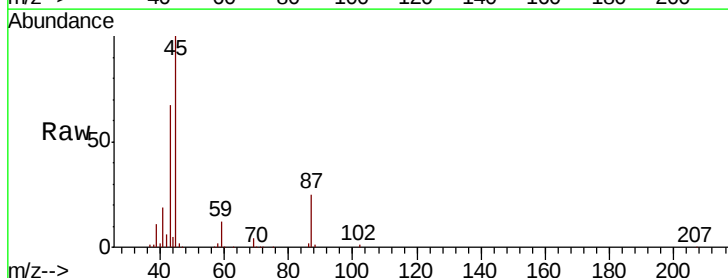


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

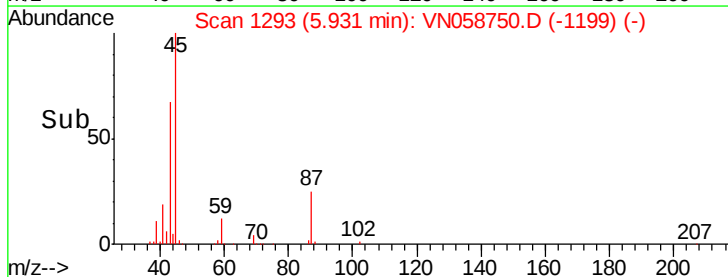
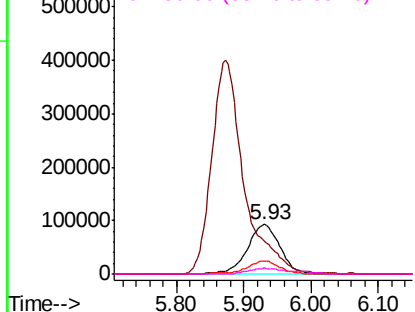


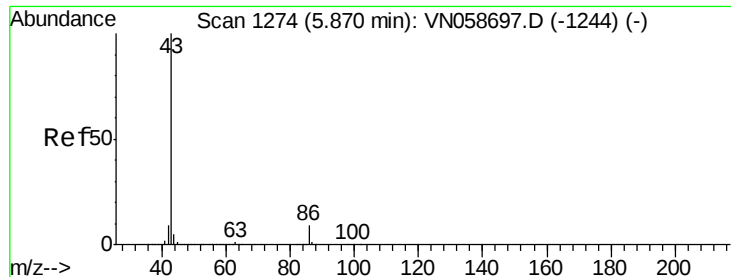
#22
Diisopropyl ether
Concen: 20.761 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion: 45 Resp: 313627
Ion Ratio Lower Upper
45 100
43 66.0 50.6 75.8
87 25.5 21.1 31.7
59 11.3 9.0 13.4



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





#23

Vinyl Acetate

Concen: 109.489 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

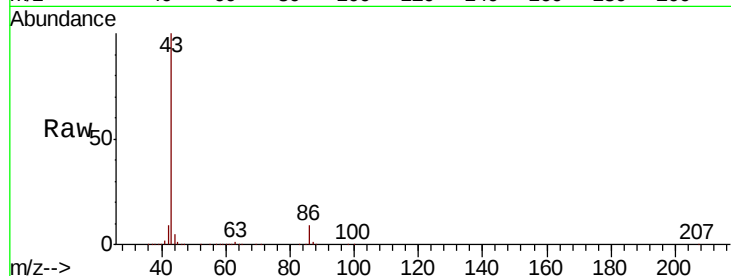
VN1014WBS01

Tot Ion: 43 Resp: 1334622

Ion Ratio Lower Upper

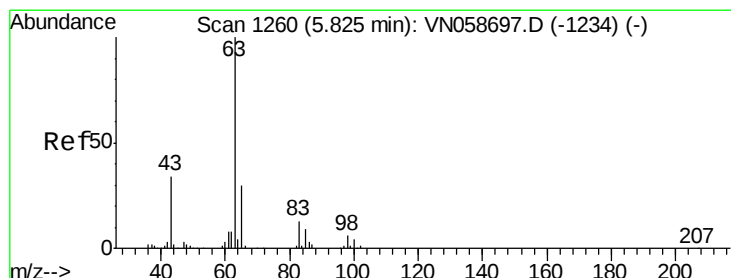
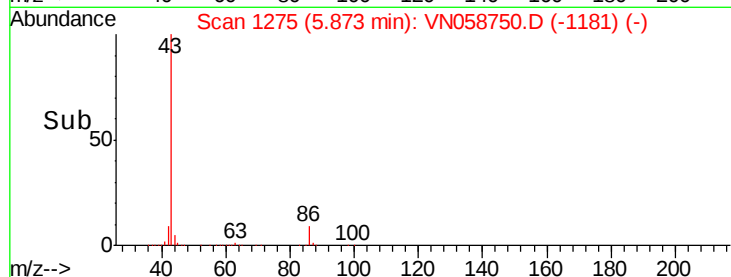
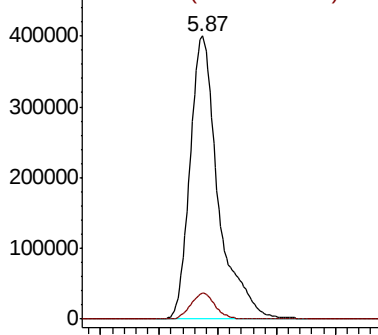
43 100

86 9.2 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: 20.644 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

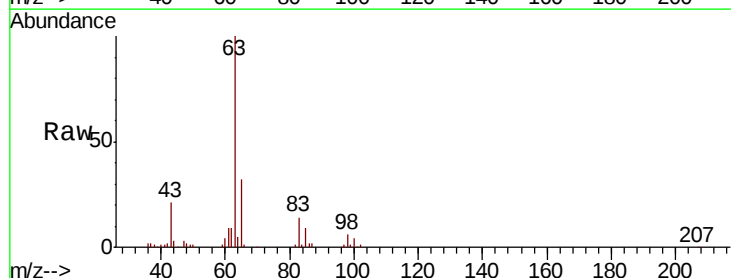
Tgt Ion: 63 Resp: 177620

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

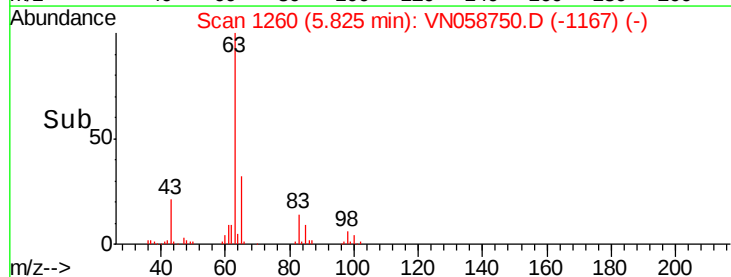
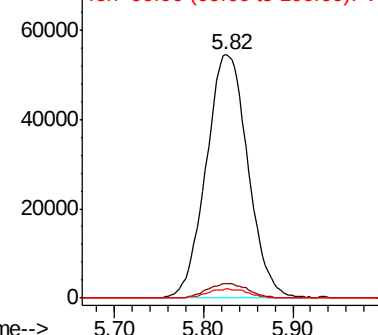
100 3.8 1.8 5.5

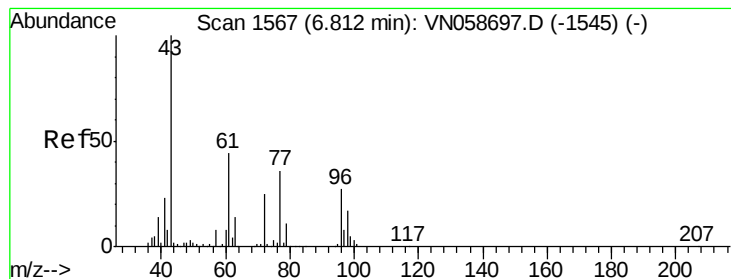


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 106.032 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampled :

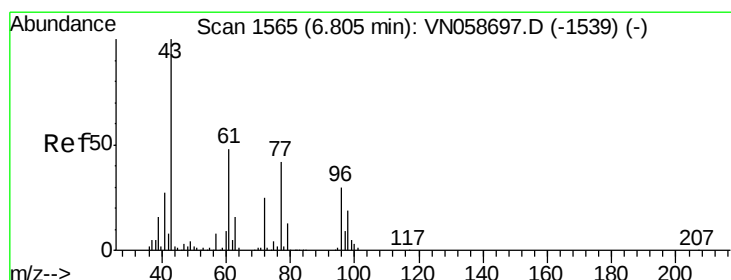
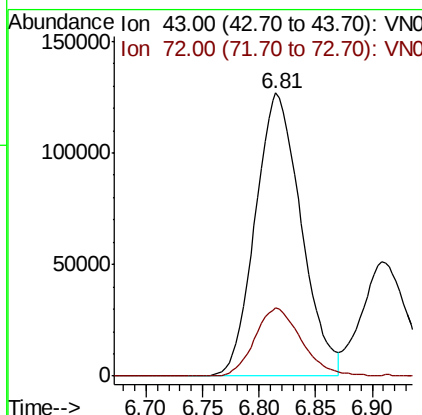
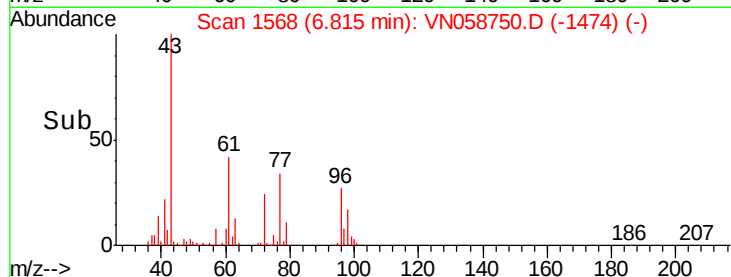
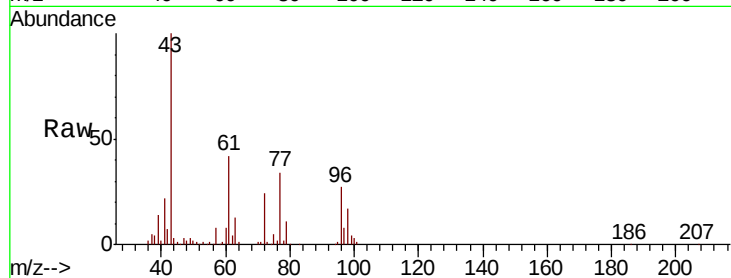
VN1014WBS01

Tot Ion: 43 Resp: 356097

Ion Ratio Lower Upper

43 100

72 24.1 20.2 30.2



#26

2,2-Dichloropropane

Concen: 19.891 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058750.D

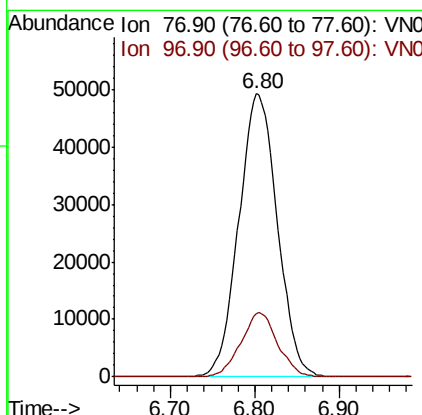
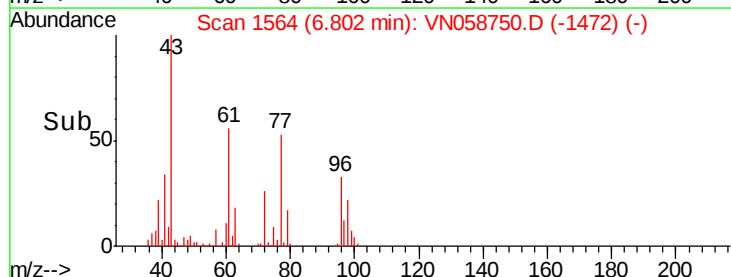
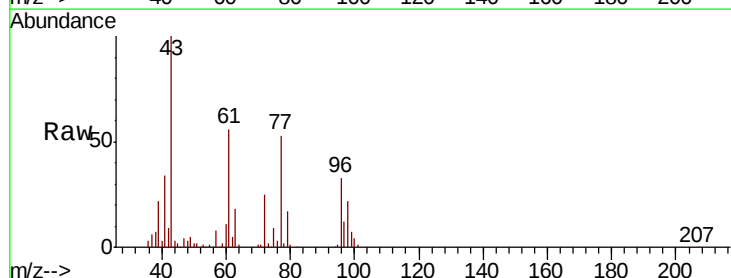
Acq: 14 Oct 2019 15:27

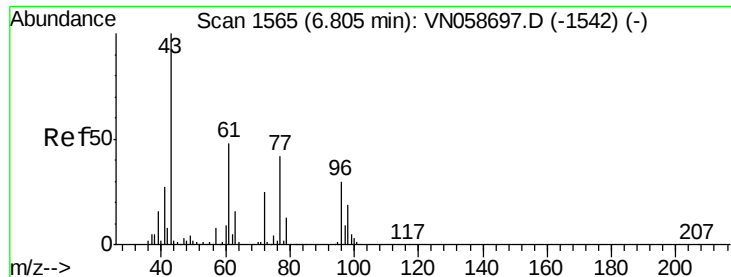
Tgt Ion: 77 Resp: 156222

Ion Ratio Lower Upper

77 100

97 21.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.999 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

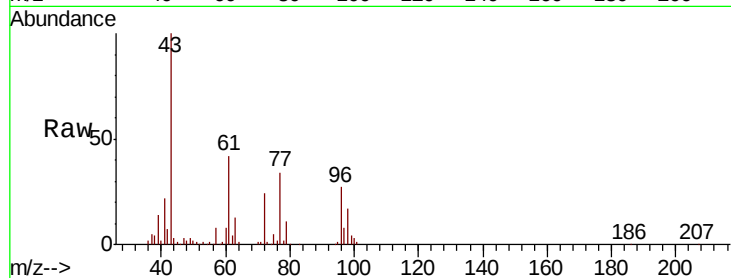
Tot Ion: 96 Resp: 100435

Ion Ratio Lower Upper

96 100

61 162.4 0.0 324.8

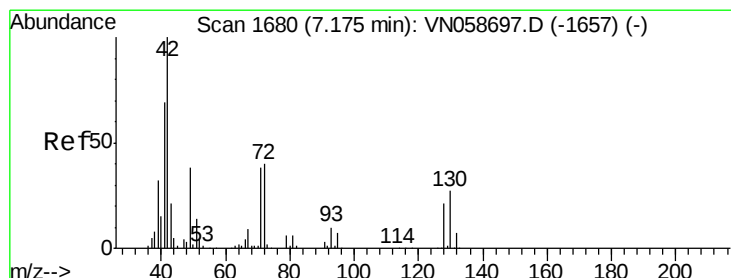
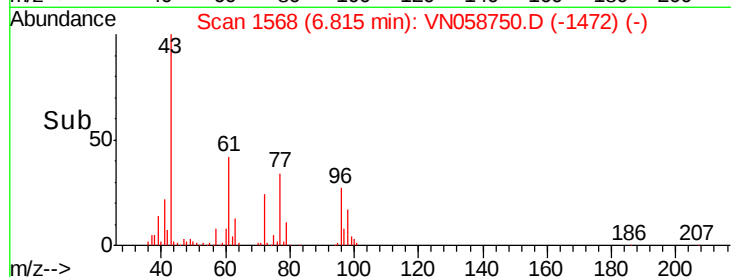
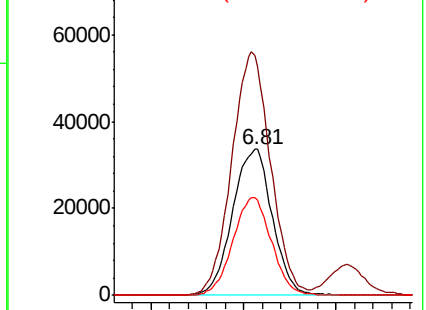
98 64.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058750.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058750.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058750.D (-1542) (-)



#28

Bromochloromethane

Concen: 21.009 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

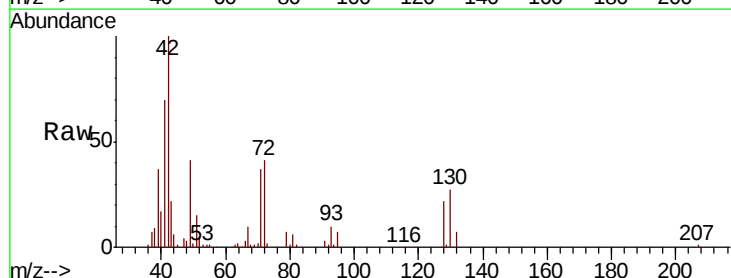
Tgt Ion: 49 Resp: 62885

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.6

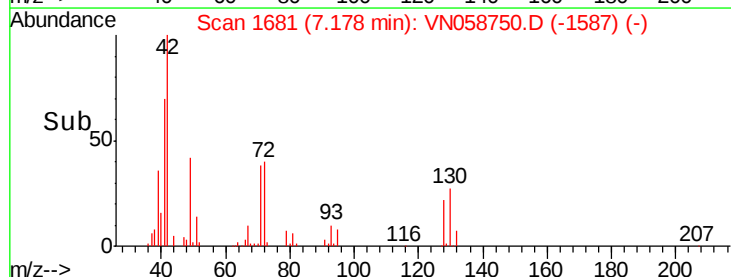
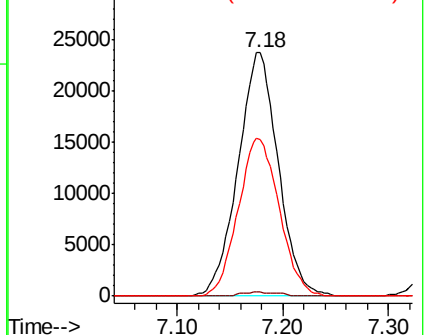
130 66.0 55.0 82.4

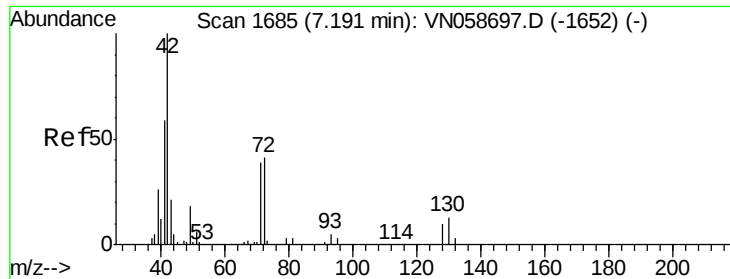


Abundance Ion 48.90 (48.60 to 49.60): VN058750.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058750.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058750.D (-1587) (-)





#29

Tetrahydrofuran

Concen: 103.780 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampled :

VN1014WBS01

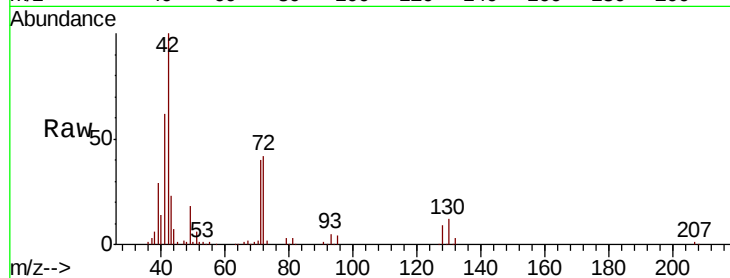
Tot Ion: 42 Resp: 225234

Ion Ratio Lower Upper

42 100

72 42.1 32.8 49.2

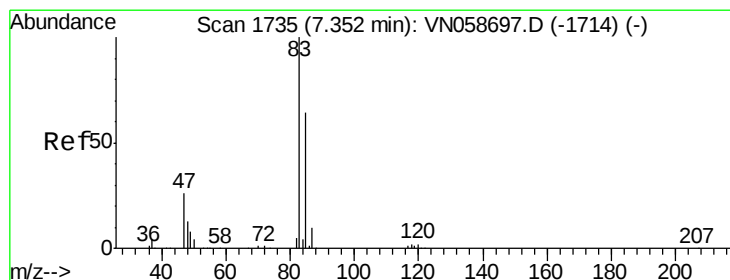
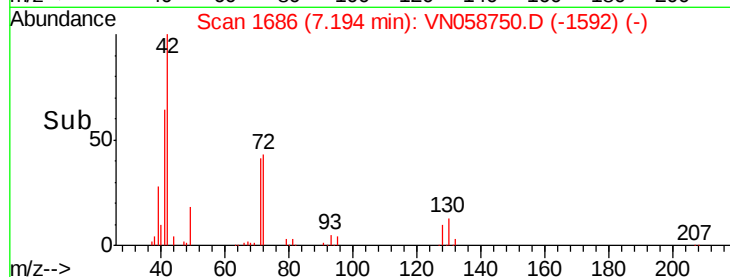
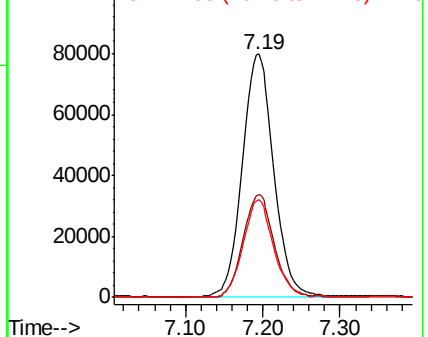
71 39.0 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.239 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058750.D

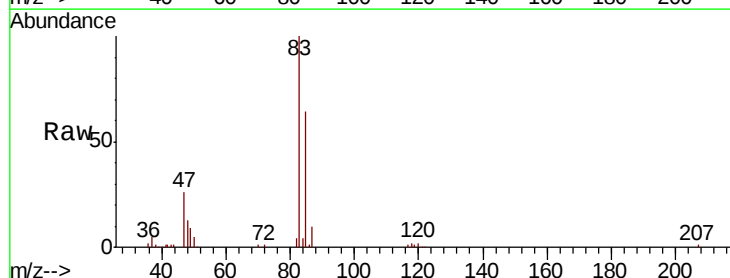
Acq: 14 Oct 2019 15:27

Tgt Ion: 83 Resp: 174952

Ion Ratio Lower Upper

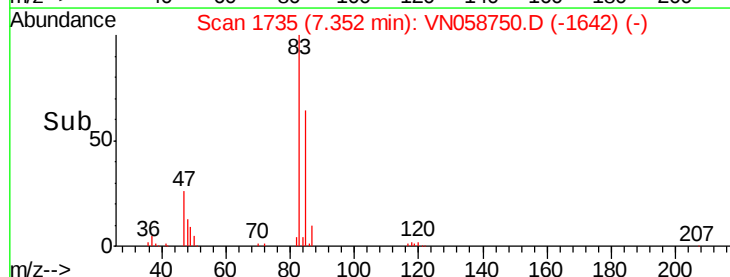
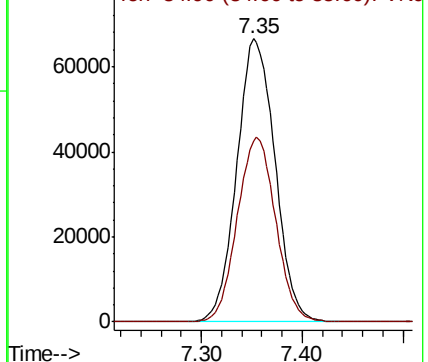
83 100

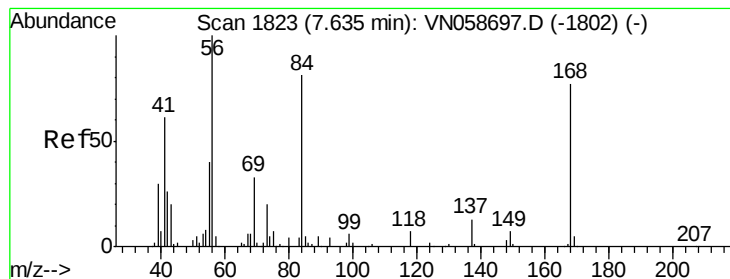
85 64.1 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.907 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

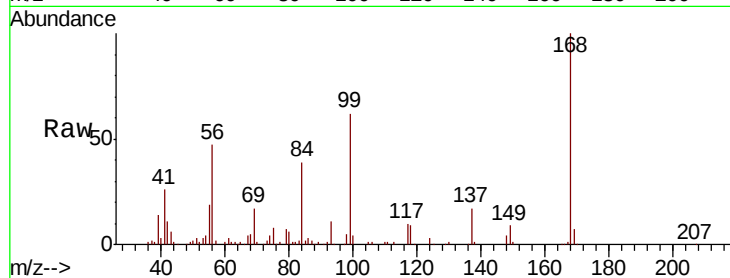
Tot Ion: 56 Resp: 163880

Ion Ratio Lower Upper

56 100

69 35.9 26.2 39.4

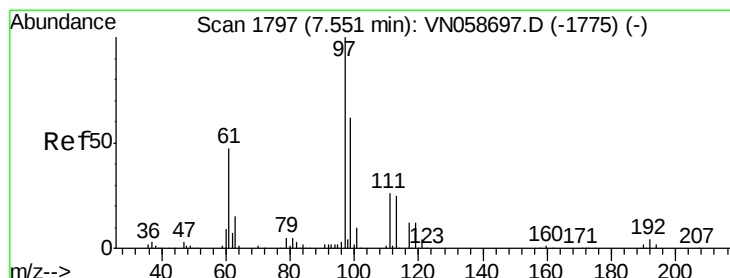
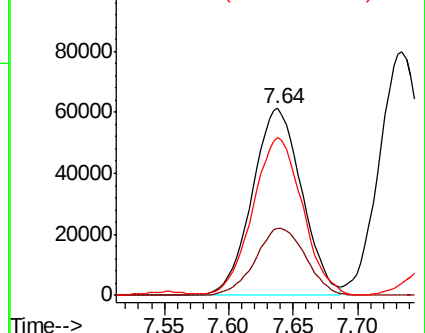
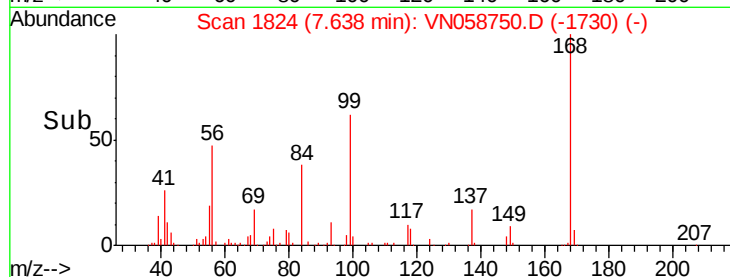
84 83.6 64.9 97.3



Abundance Ion 56.00 (55.70 to 56.70): VN058750.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN058750.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN058750.D (-1730) (-)



#32

1,1,1-Trichloroethane

Concen: 21.069 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

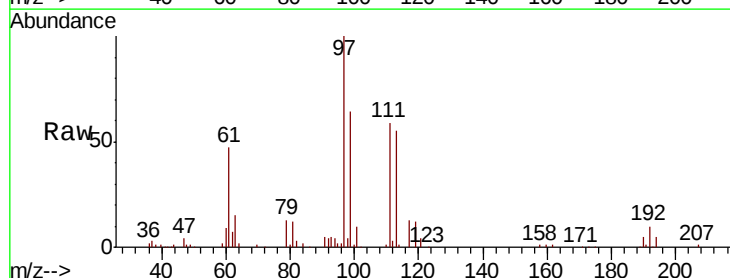
Tgt Ion: 97 Resp: 155322

Ion Ratio Lower Upper

97 100

99 64.0 50.8 76.2

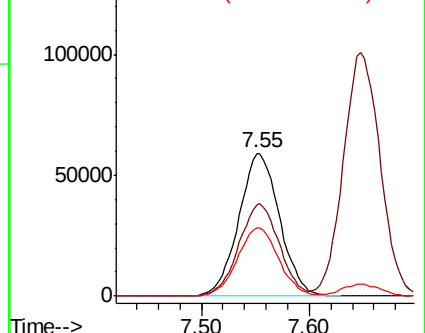
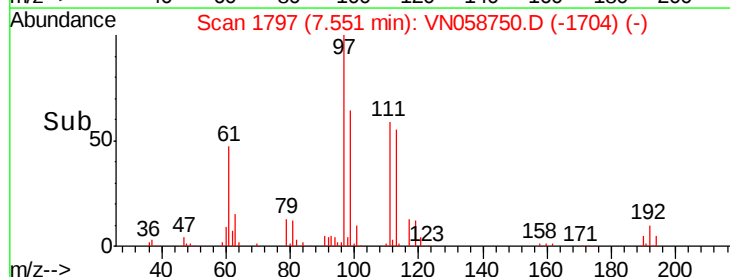
61 48.4 38.1 57.1

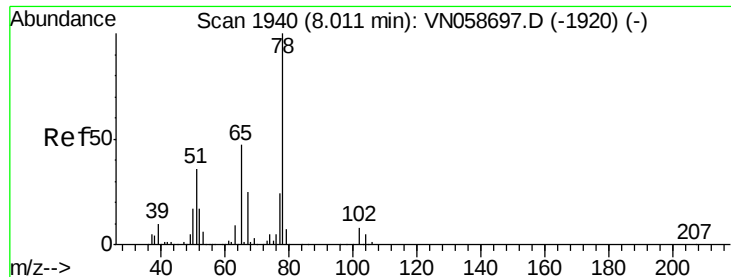


Abundance Ion 96.90 (96.60 to 97.60): VN058750.D (-1704) (-)

Ion 98.90 (98.60 to 99.60): VN058750.D (-1704) (-)

Ion 60.90 (60.60 to 61.60): VN058750.D (-1704) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.690 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

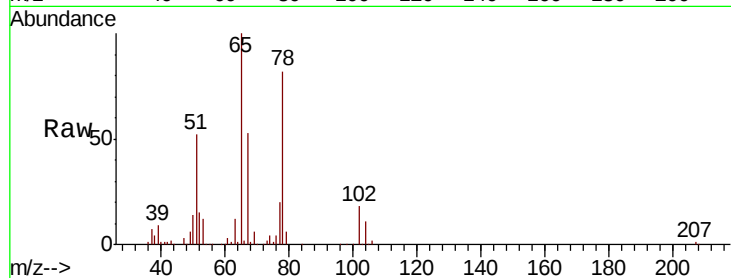
VN1014WBS01

Tot Ion: 65 Resp: 290106

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.8



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

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

8.01

150000

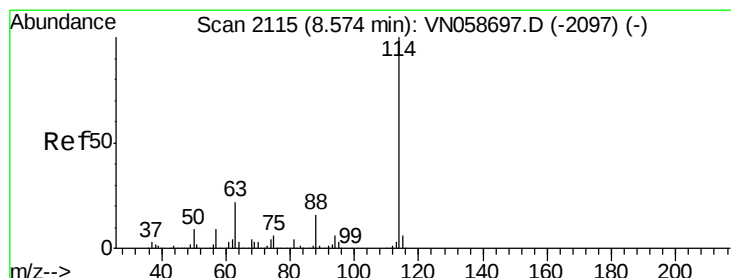
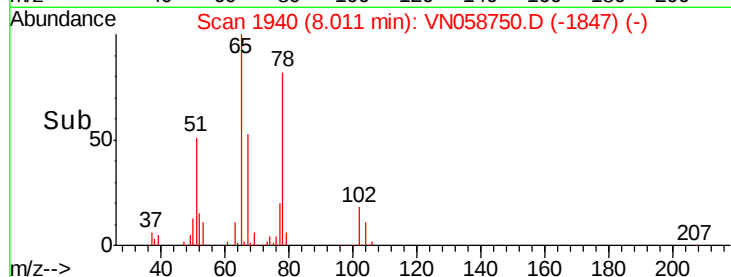
100000

50000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

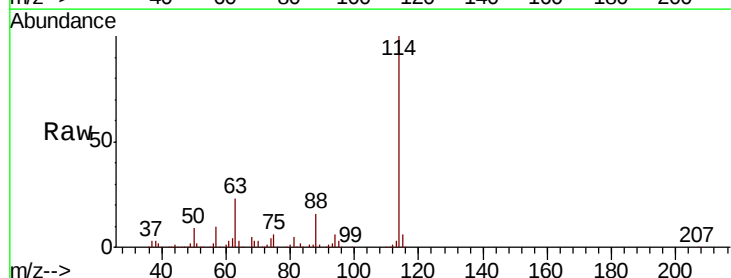
Tgt Ion: 114 Resp: 642797

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

88 16.1 0.0 32.0



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

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

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

8.57

400000

300000

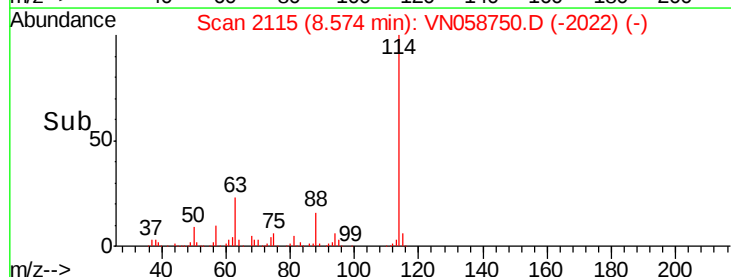
200000

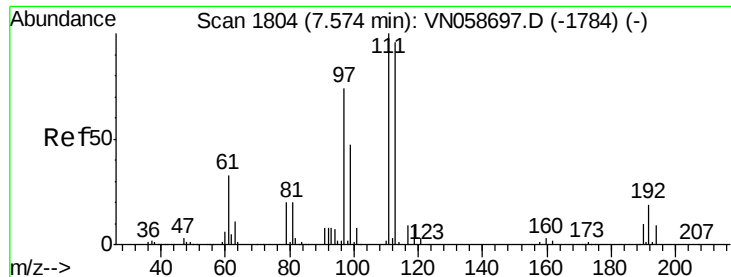
100000

0

Time-->

8.50 8.60 8.70

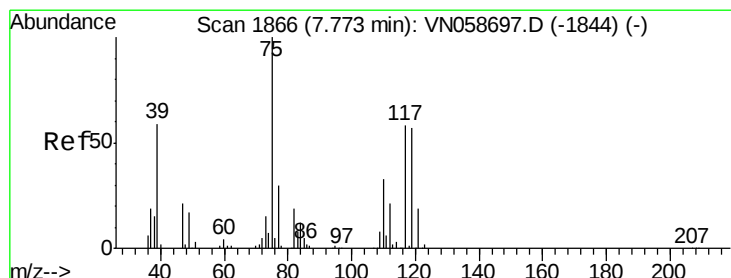
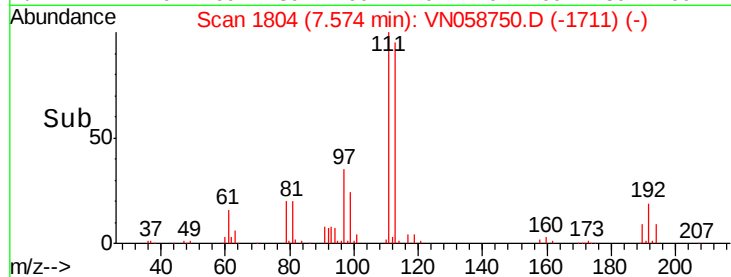
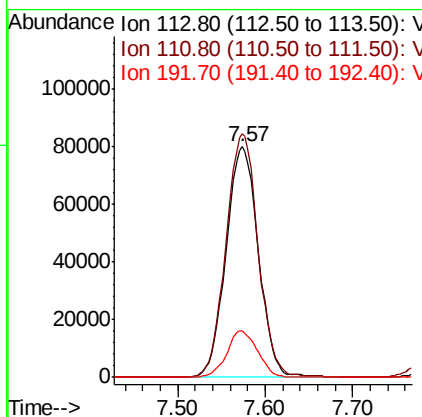
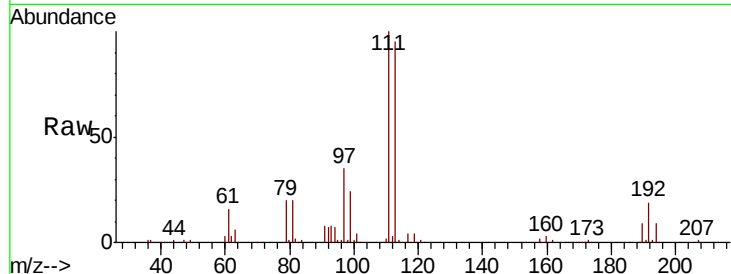




#35
 Dibromofluoromethane
 Concen: 51.806 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

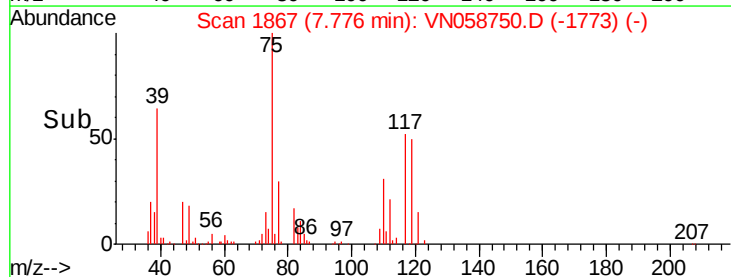
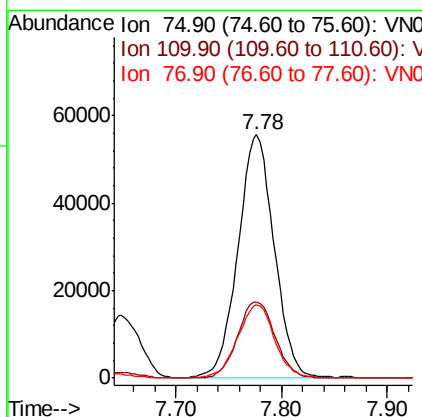
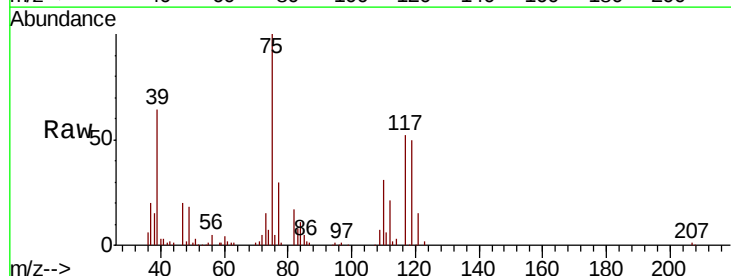
Instrument :
 MSVOA_N
 ClientSampled :
 VN1014WBS01

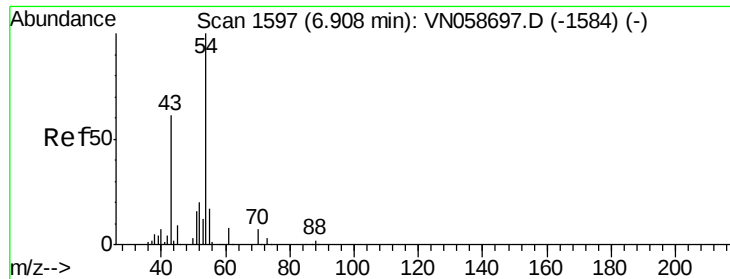
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.3	123.5
192	19.1	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 20.233 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.6	49.8
77	31.3	24.6	37.0





#37

Ethyl Acetate

Concen: 21.894 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampled :

VN1014WBS01

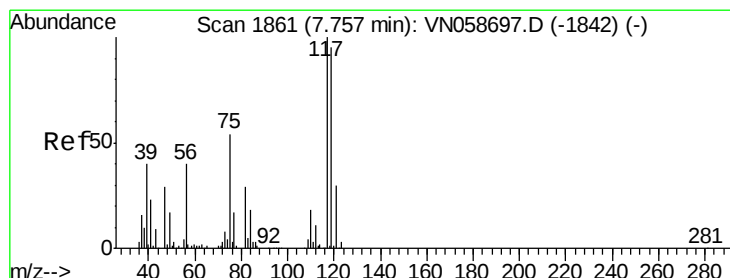
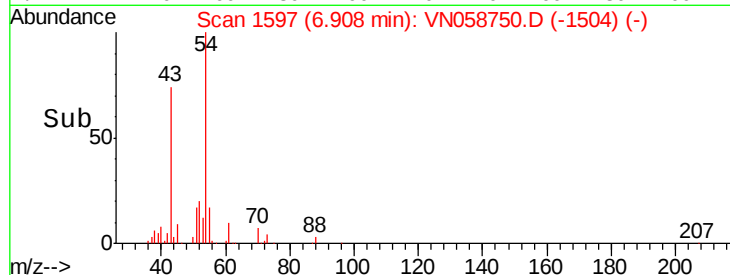
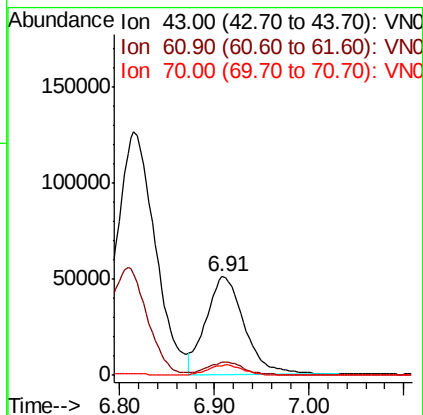
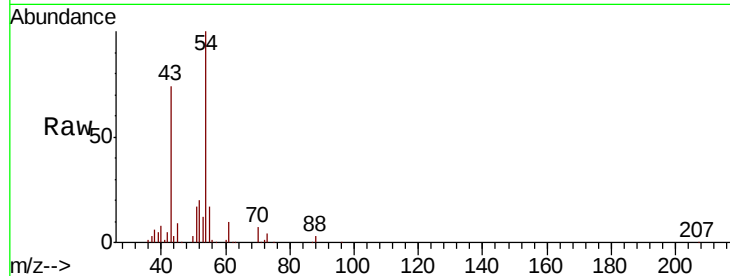
Tot Ion: 43 Resp: 143907

Ion Ratio Lower Upper

43 100

61 13.6 11.3 16.9

70 10.2 7.2 10.8



#38

Carbon Tetrachloride

Concen: 21.491 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

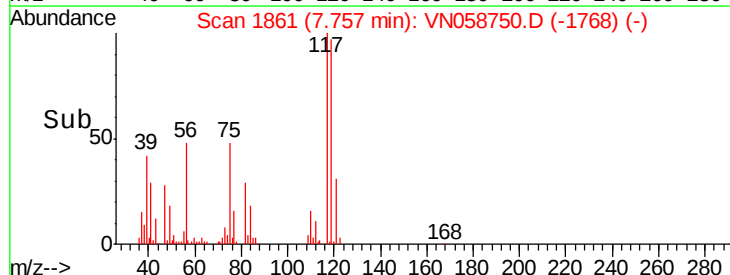
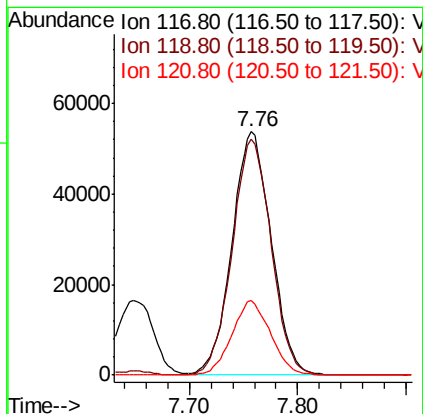
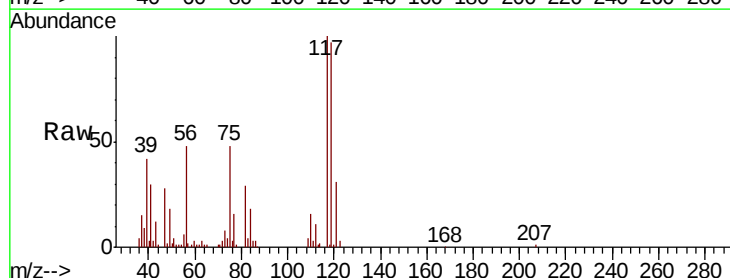
Tgt Ion: 117 Resp: 136123

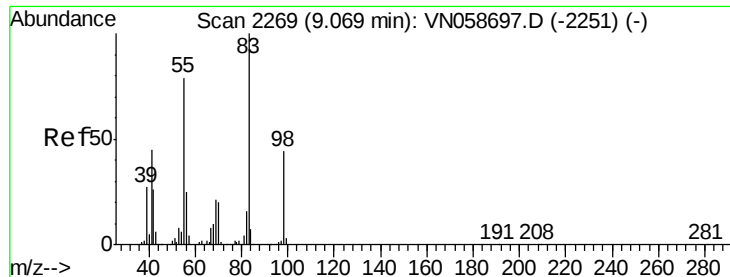
Ion Ratio Lower Upper

117 100

119 96.9 75.7 113.5

121 30.5 23.9 35.9

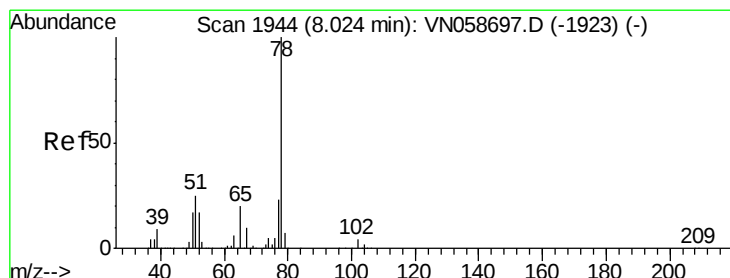
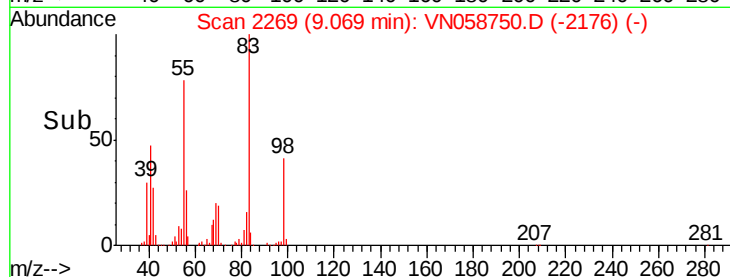
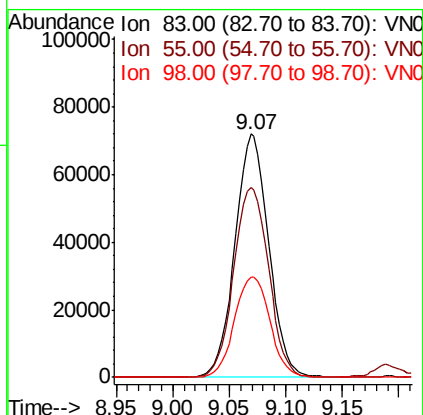
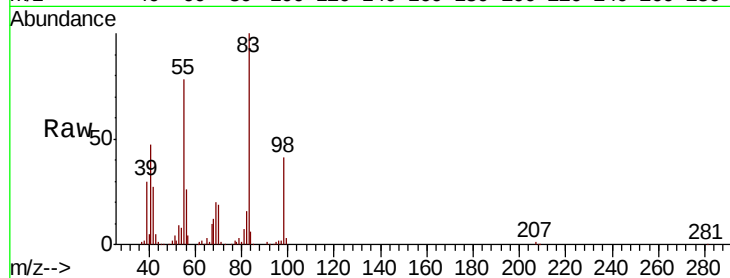




#39
Methvlcvclohexane
Concen: 19.865 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

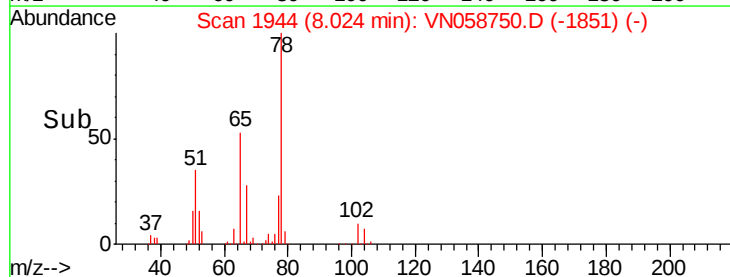
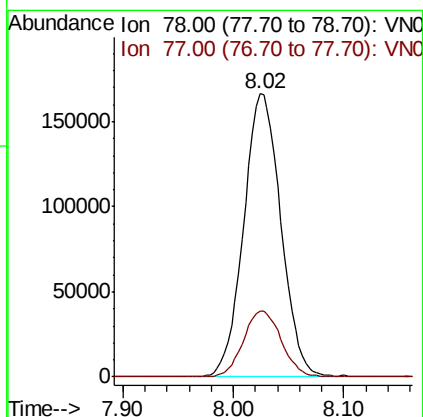
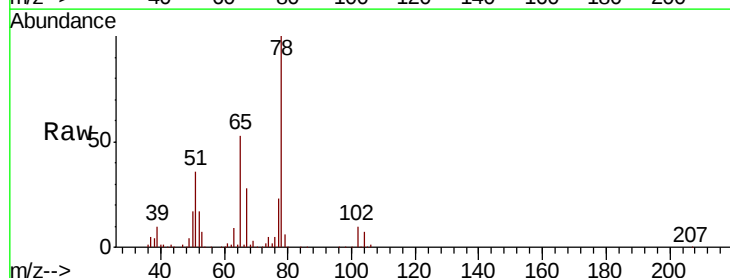
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

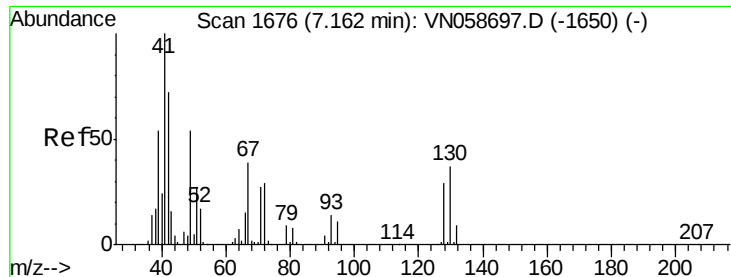
Tot Ion: 83 Resp: 149815
Ion Ratio Lower Upper
83 100
55 78.0 63.4 95.0
98 41.1 35.1 52.7



#40
Benzene
Concen: 20.833 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion: 78 Resp: 388852
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

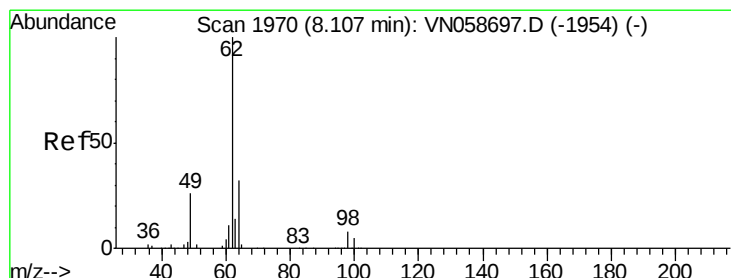
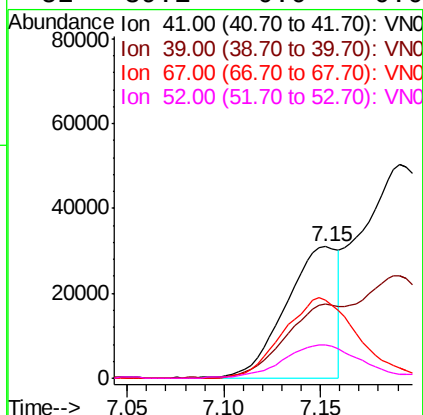
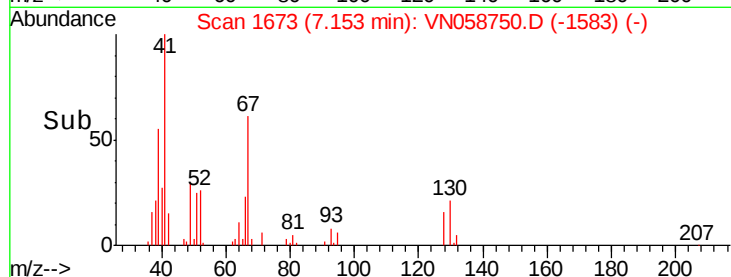
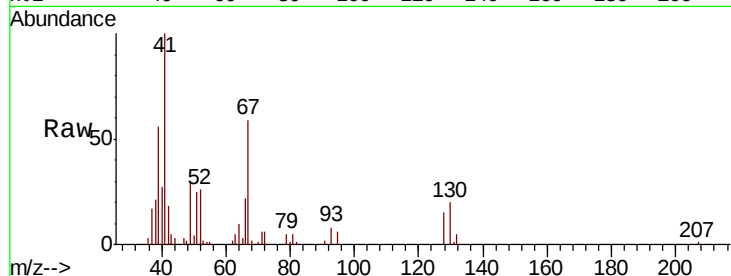




#41
Methacrylonitrile
Concen: 19.023 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

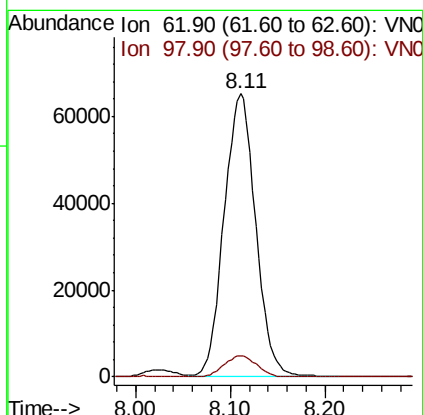
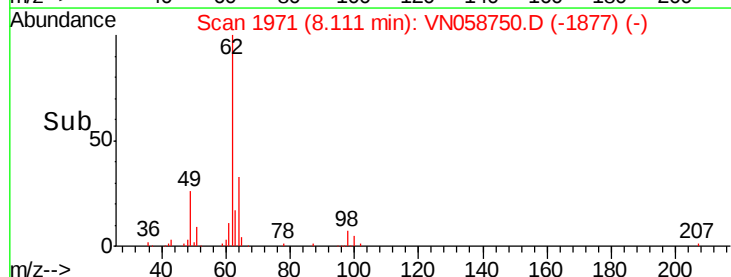
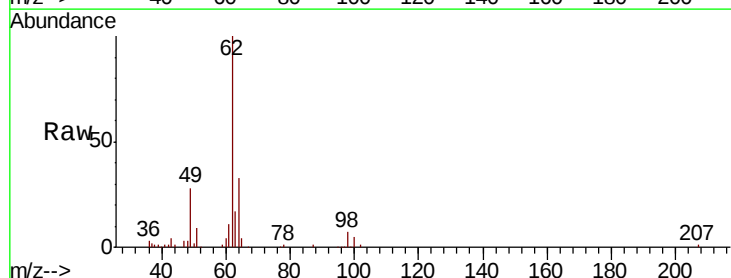
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

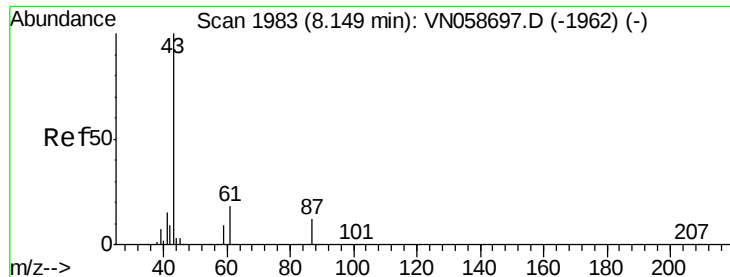
Tot Ion: 41 Resp: 58529
Ion Ratio Lower Upper
41 100
39 56.1 115.4 173.2#
67 87.6 0.0 0.0#
52 39.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 21.134 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion: 62 Resp: 151554
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.8



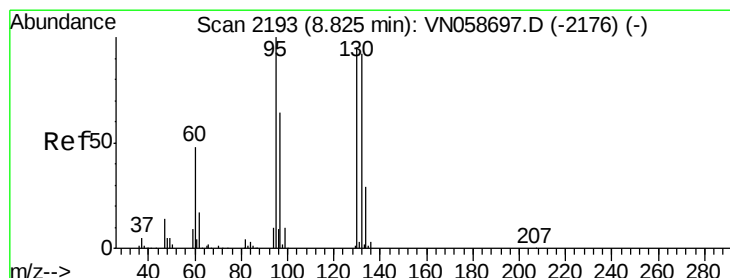
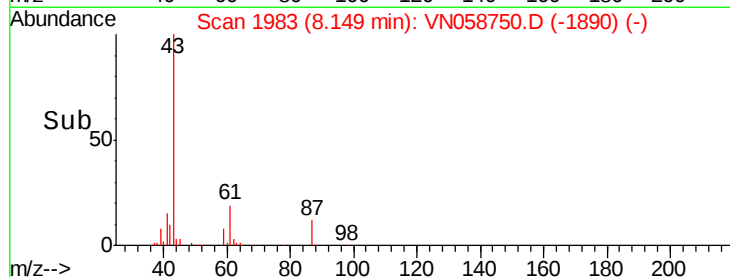
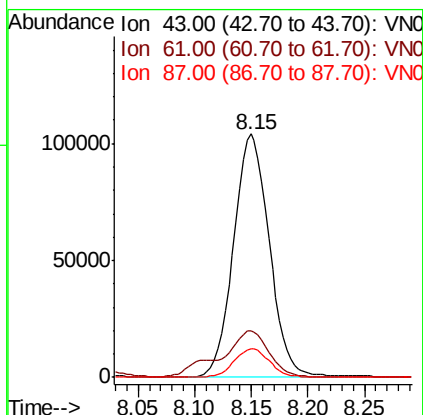
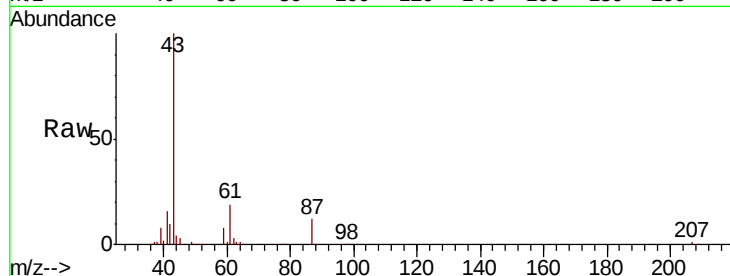


#43

Isopropyl Acetate
 Concen: 20.505 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN1014WBS01

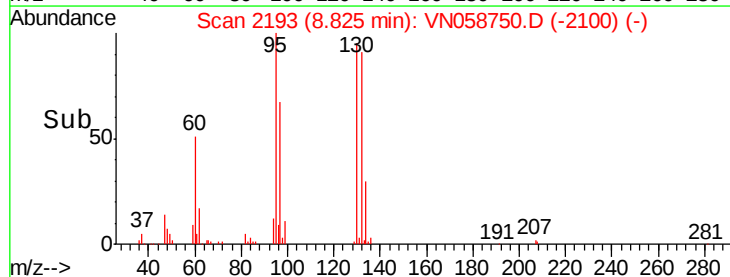
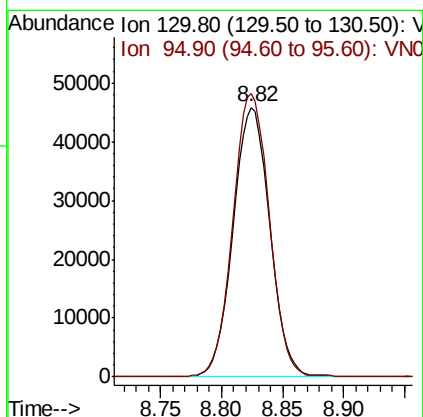
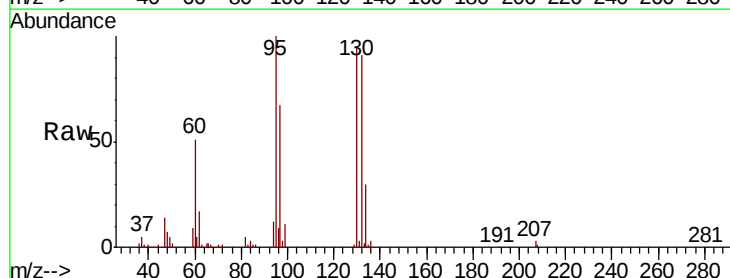
Tot Ion	43	Resp	229594
Ion Ratio	Lower	Upper	
43	100		
61	19.6	20.3	30.5#
87	11.7	9.8	14.6

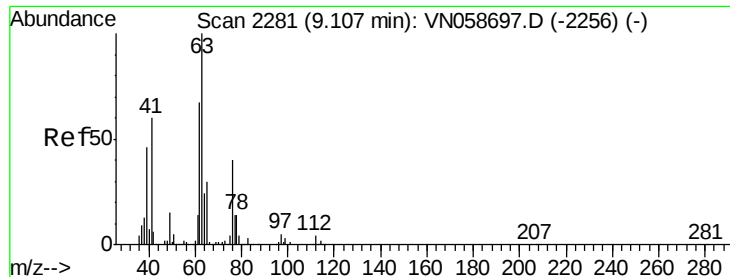


#44

Trichloroethene
 Concen: 20.599 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	130	Resp	95480
Ion Ratio	Lower	Upper	
130	100		
95	105.1	0.0	211.2

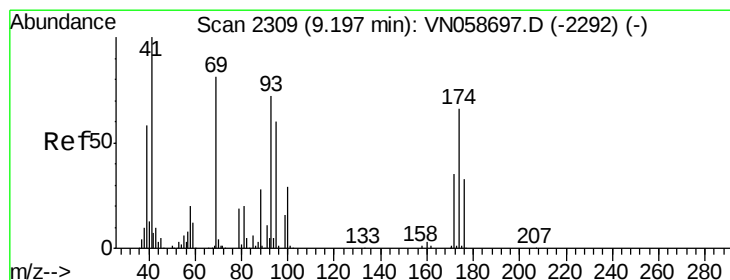
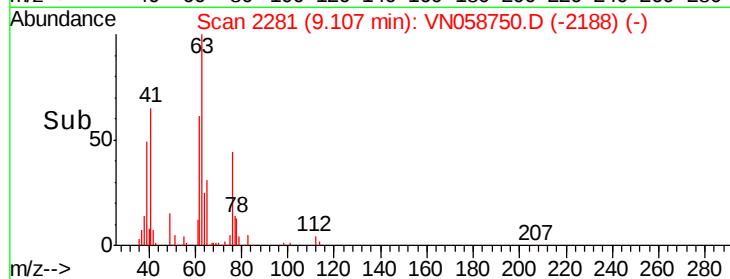
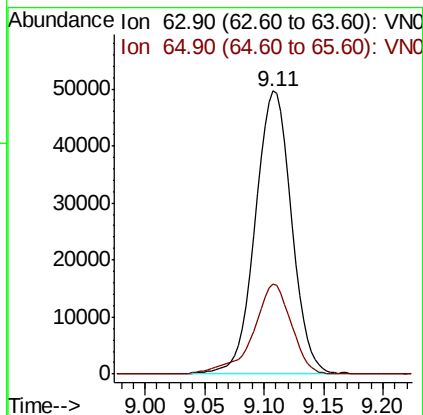
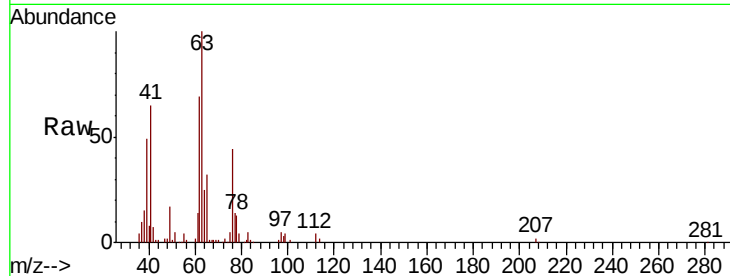




#45
 1,2-Dichloropropane
 Concen: 20.985 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

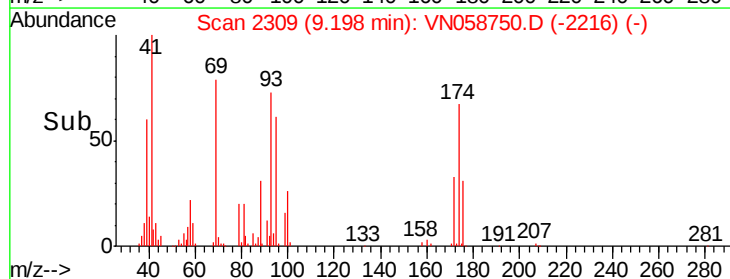
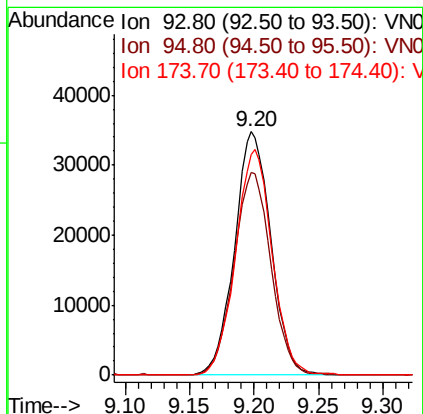
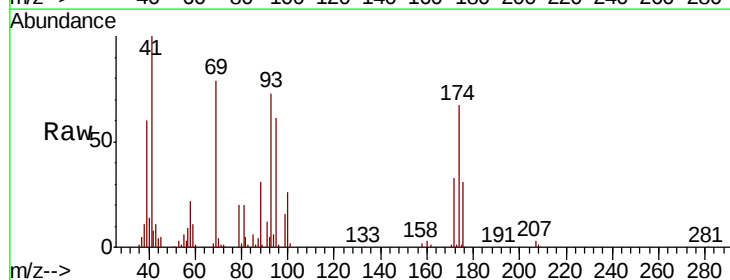
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

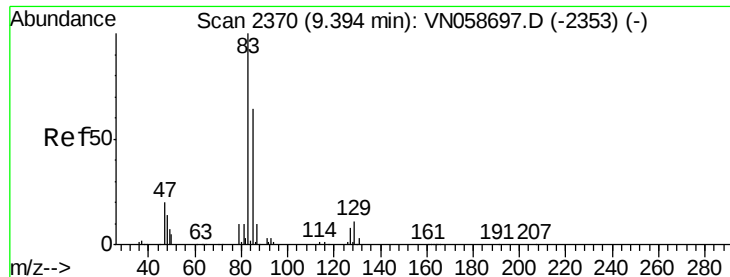
Tot Ion: 63 Resp: 104857
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.1 36.1



#46
 Dibromomethane
 Concen: 21.549 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion: 93 Resp: 68266
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.6 100.0
 174 93.1 75.2 112.8





#47

Bromodichloromethane

Concen: 21.233 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

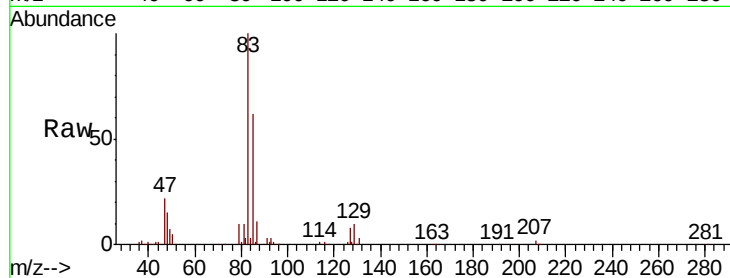
Tot Ion: 83 Resp: 136978

Ion Ratio Lower Upper

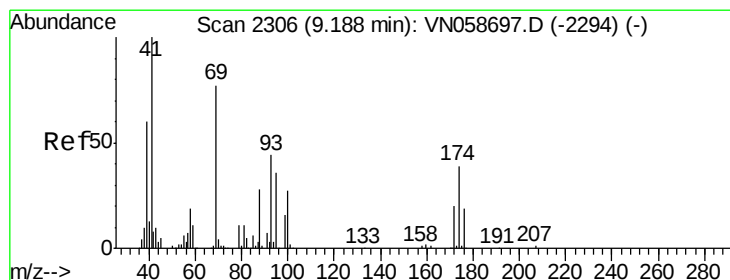
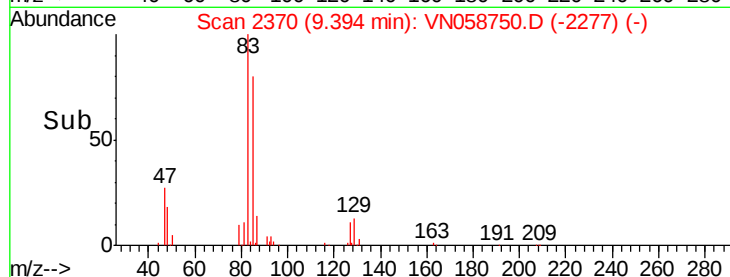
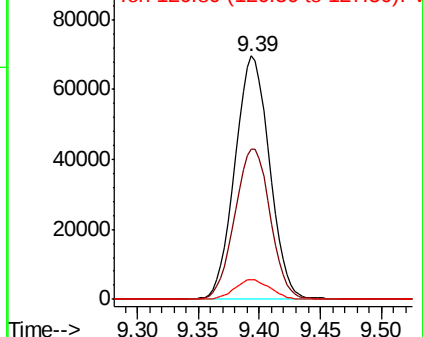
83 100

85 61.9 50.9 76.3

127 8.3 6.3 9.5



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



#48

Methyl methacrylate

Concen: 20.385 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

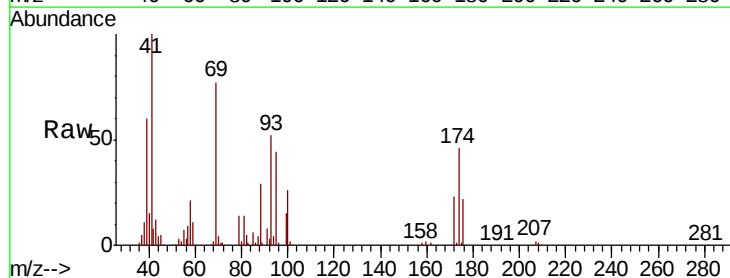
Tgt Ion: 41 Resp: 103465

Ion Ratio Lower Upper

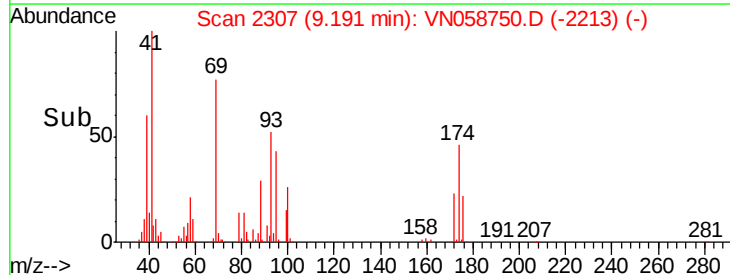
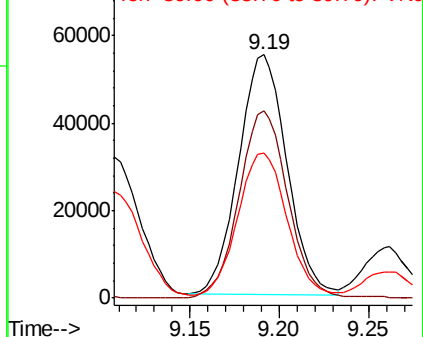
41 100

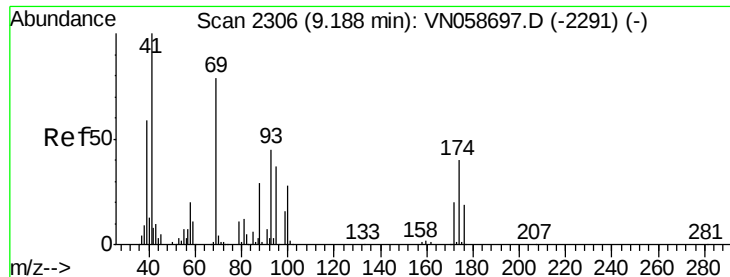
69 79.0 63.4 95.2

39 62.4 48.9 73.3



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

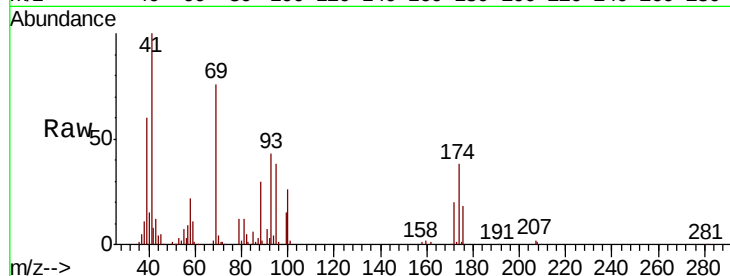




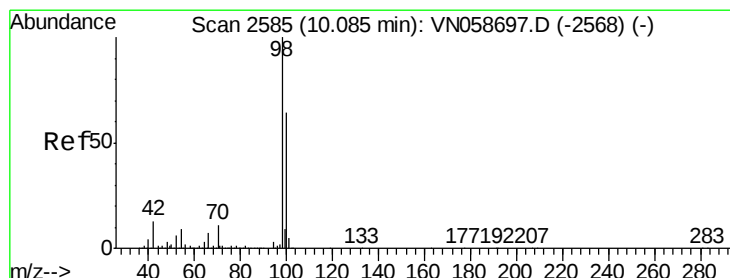
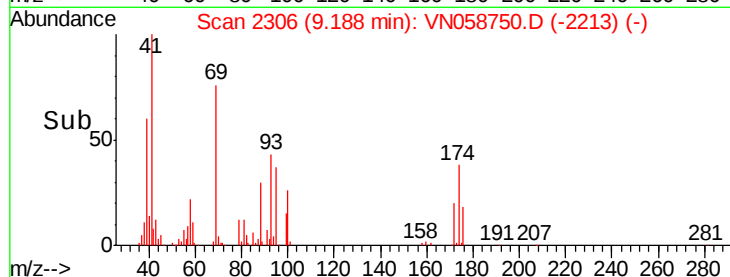
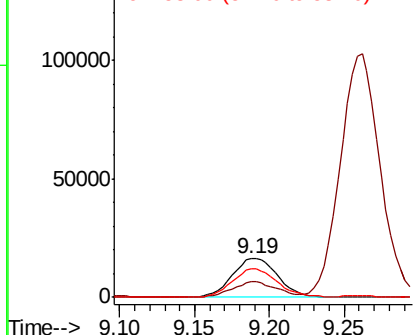
#49
 1,4-Dioxane
 Concen: 443.106 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN1014WBS01

Tot Ion: 88 Resp: 34793
 Ion Ratio Lower Upper
 88 100
 43 39.4 28.6 43.0
 58 73.0 57.2 85.8

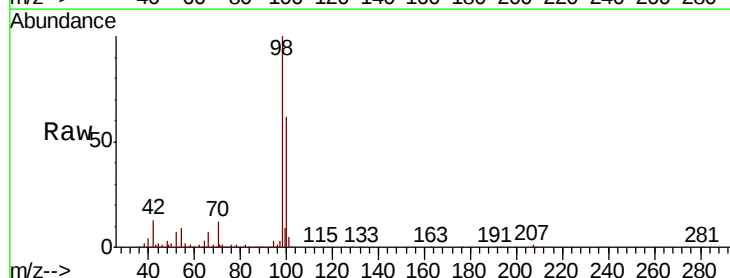


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

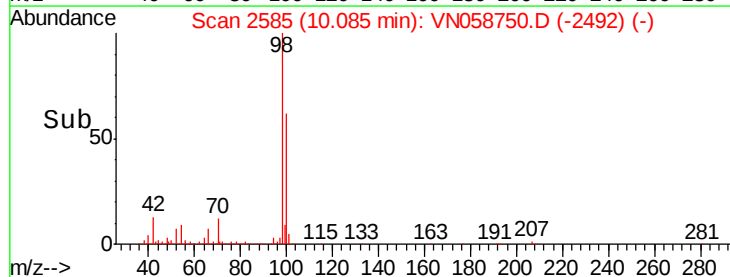
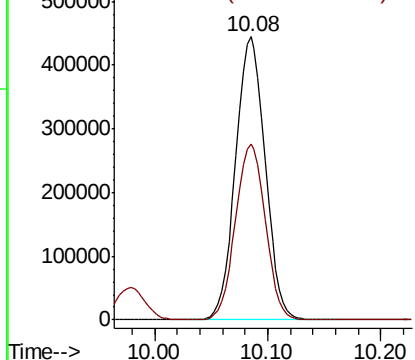


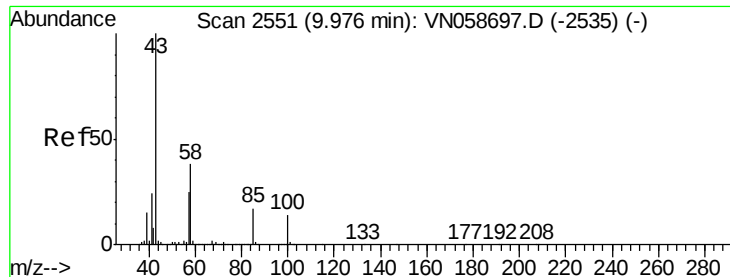
#50
 Toluene-d8
 Concen: 51.107 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion: 98 Resp: 811432
 Ion Ratio Lower Upper
 98 100
 100 62.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 113.501 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

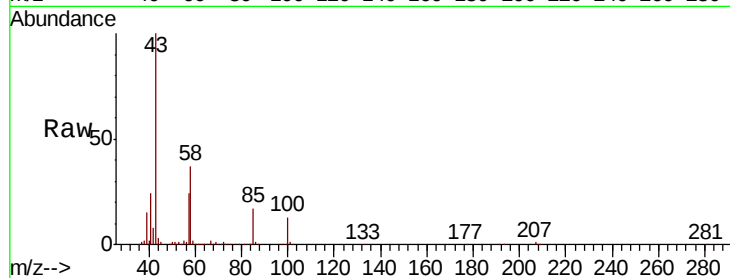
VN1014WBS01

Tot Ion: 43 Resp: 713739

Ion Ratio Lower Upper

43 100

58 37.3 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

400000

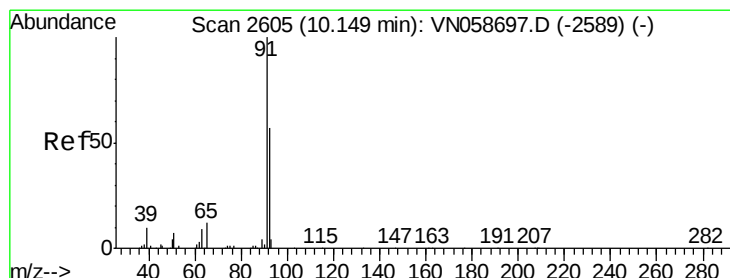
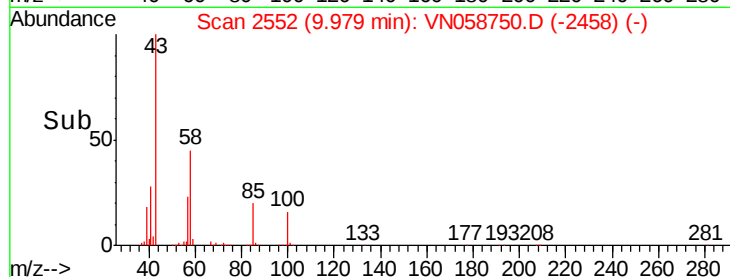
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.743 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058750.D

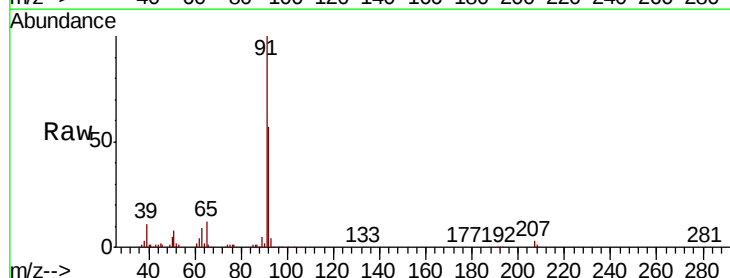
Acq: 14 Oct 2019 15:27

Tgt Ion: 92 Resp: 236802

Ion Ratio Lower Upper

92 100

91 174.4 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

10.15

250000

200000

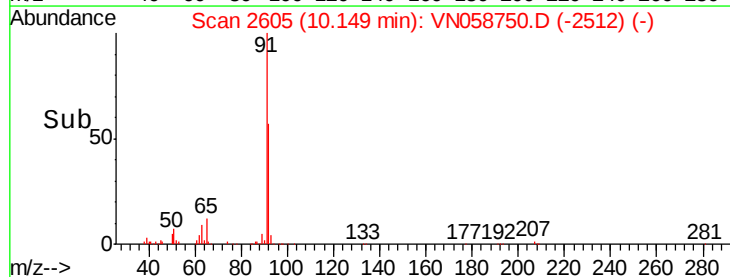
150000

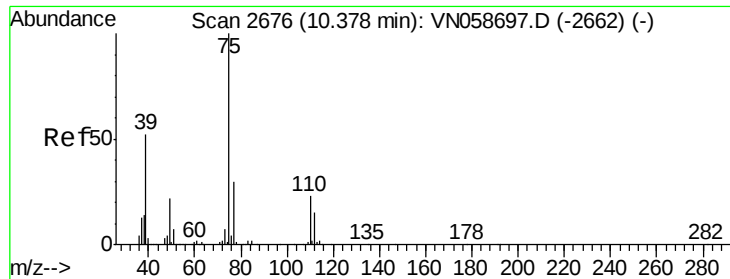
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.498 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

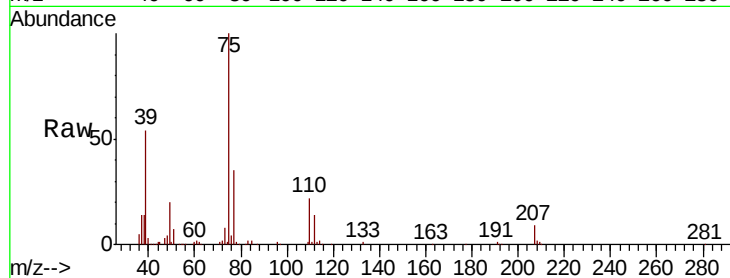
VN1014WBS01

Tot Ion: 75 Resp: 151668

Ion Ratio Lower Upper

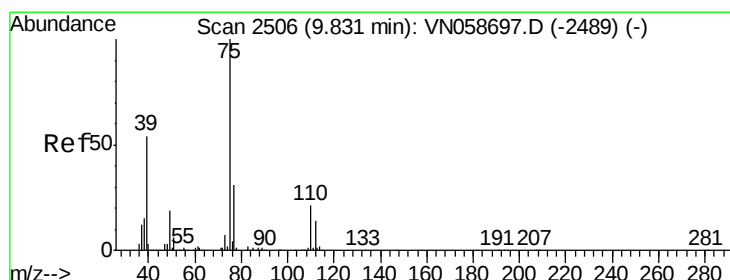
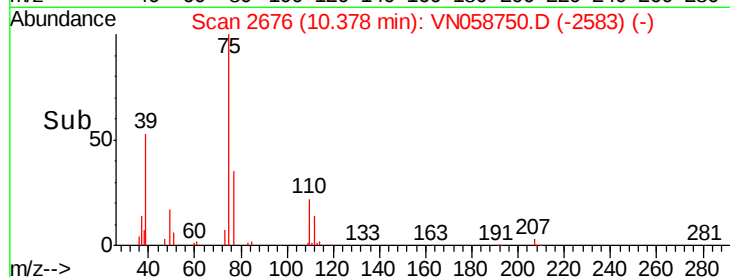
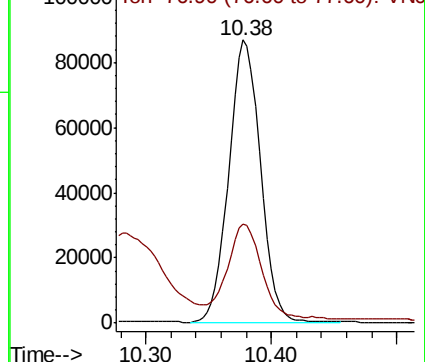
75 100

77 33.6 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: 20.828 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

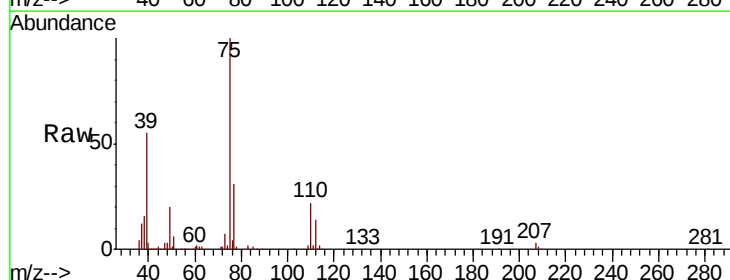
Tgt Ion: 75 Resp: 163624

Ion Ratio Lower Upper

75 100

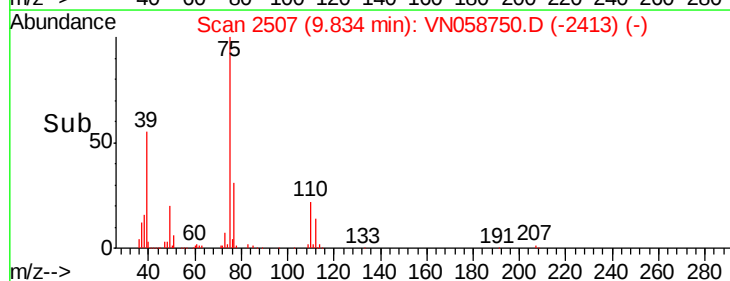
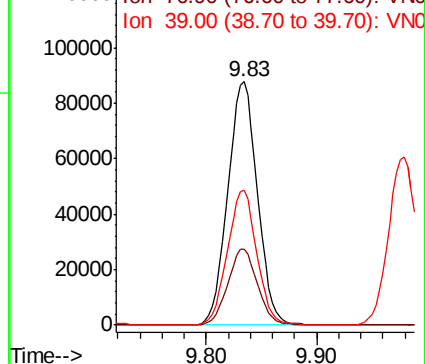
77 31.4 24.4 36.6

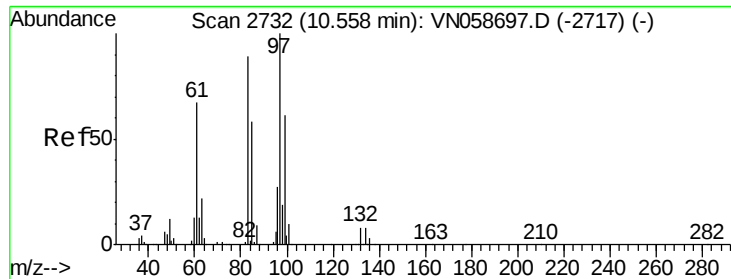
39 55.3 43.1 64.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#55

1,1,2-Trichloroethane

Concen: 20.590 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 97 Resp: 96208

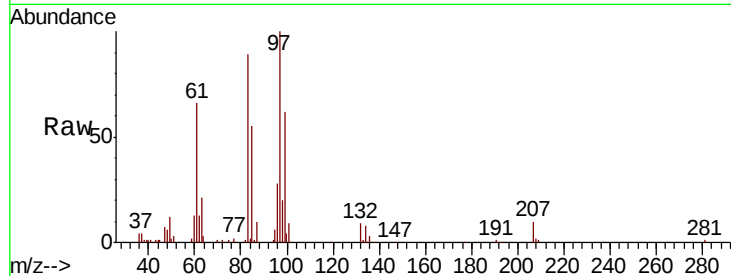
Ion Ratio Lower Upper

97 100

83 88.7 71.2 106.8

85 55.2 46.7 70.1

99 62.2 49.0 73.6

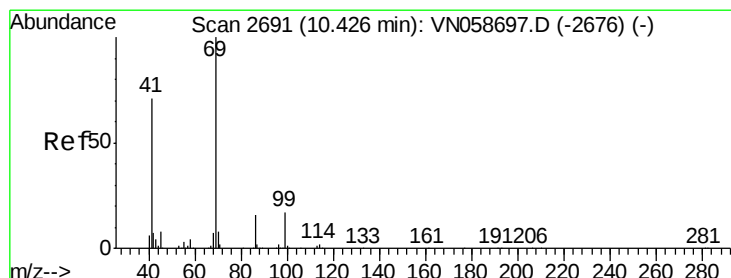
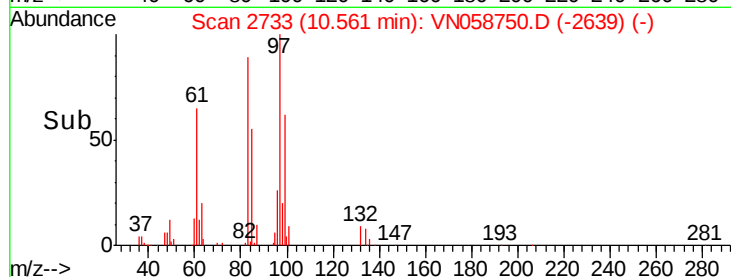
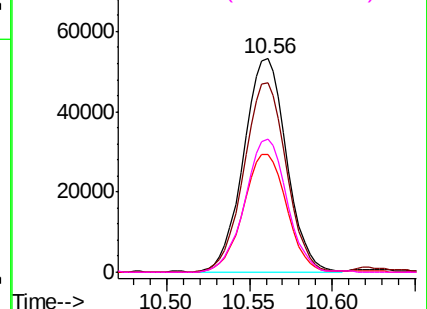


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 20.420 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

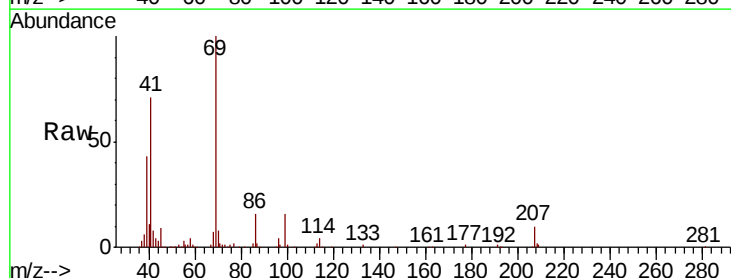
Tgt Ion: 69 Resp: 139391

Ion Ratio Lower Upper

69 100

41 71.2 56.8 85.2

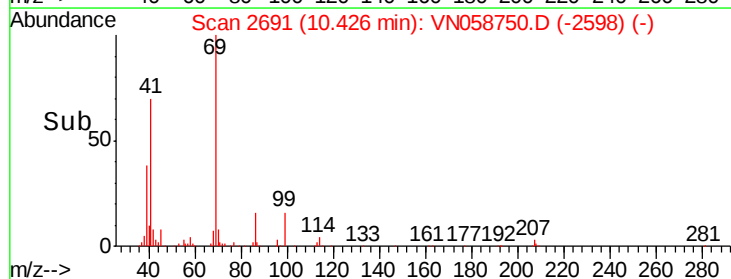
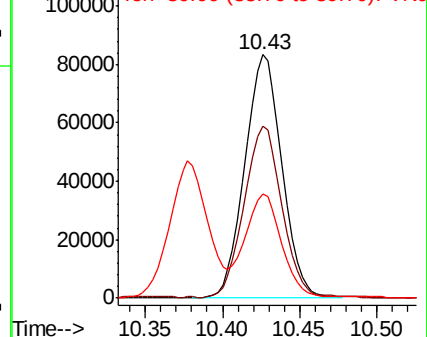
39 41.9 32.5 48.7

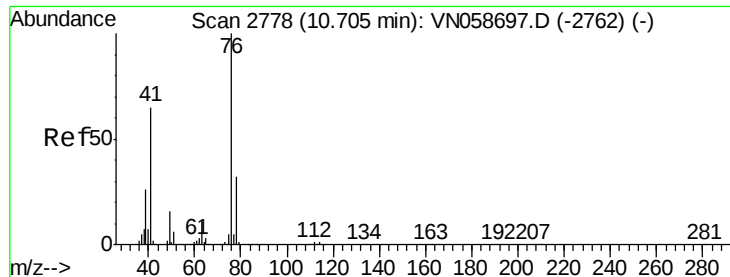


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.720 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

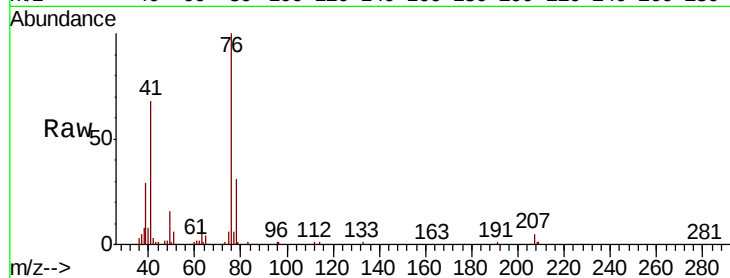
VN1014WBS01

Tot Ion: 76 Resp: 164978

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

100000

80000

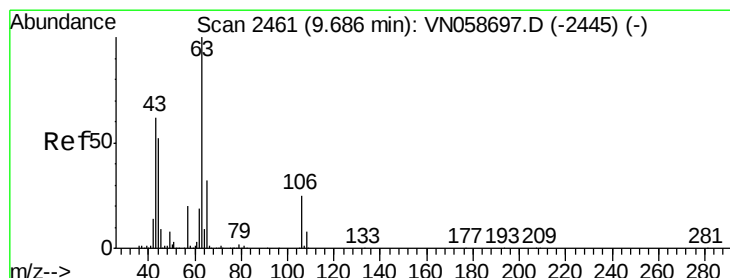
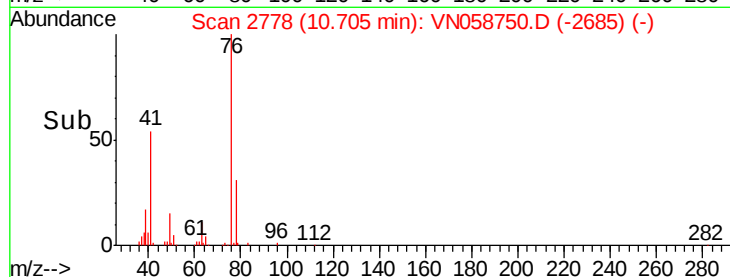
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.952 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058750.D

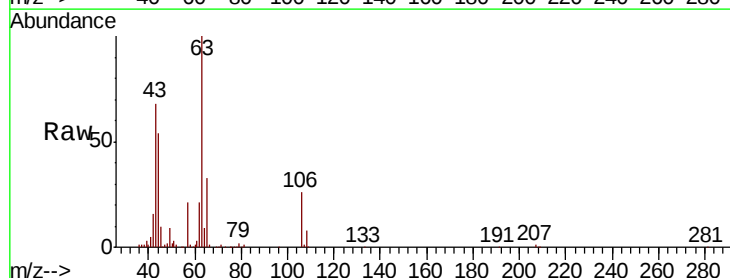
Acq: 14 Oct 2019 15:27

Tgt Ion: 63 Resp: 332103

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

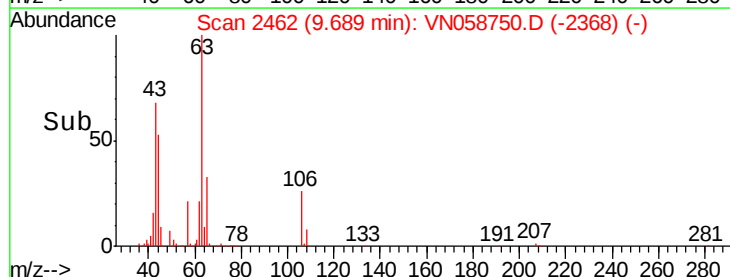
150000

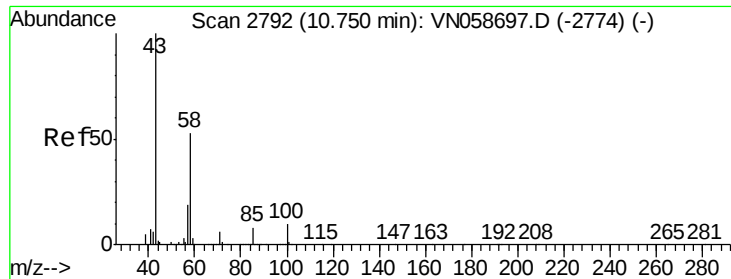
100000

50000

0

Time-->

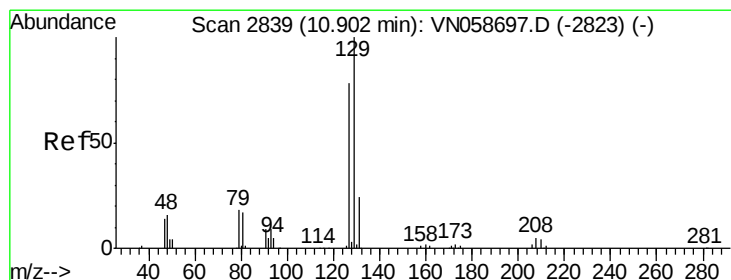
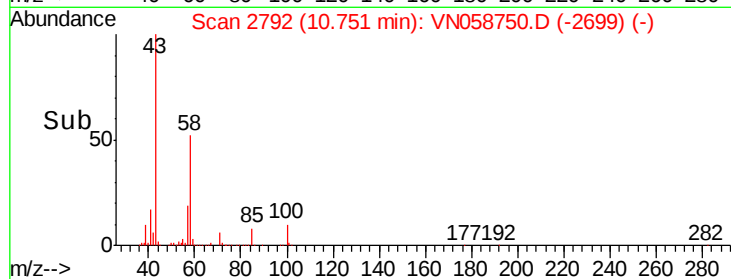
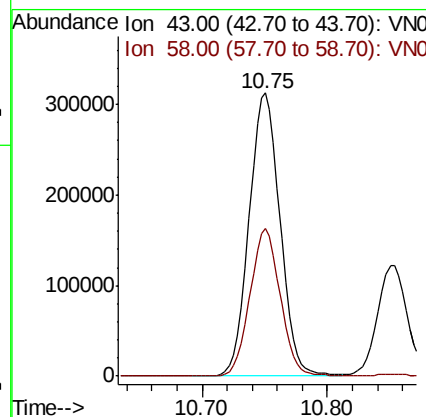
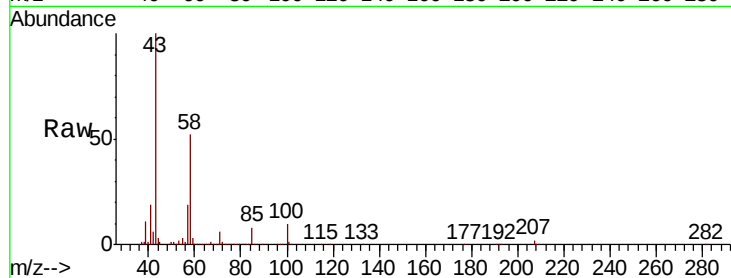




#59
2-Hexanone
Concen: 110.094 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

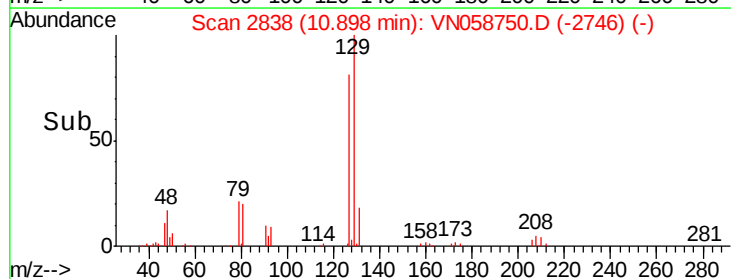
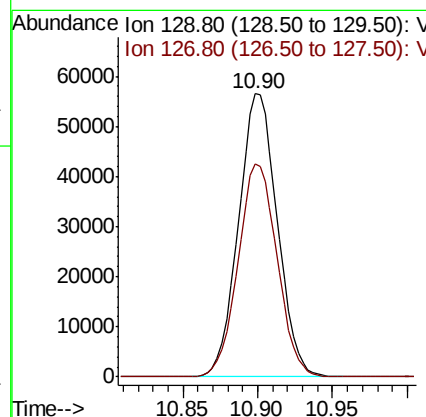
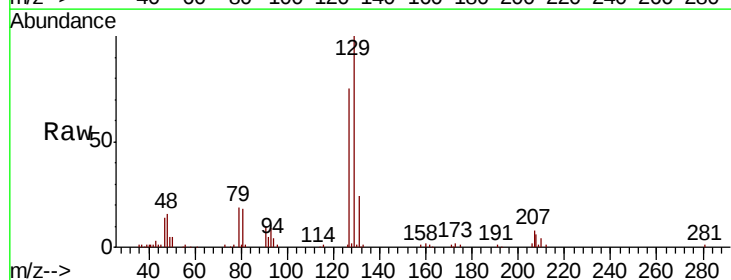
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

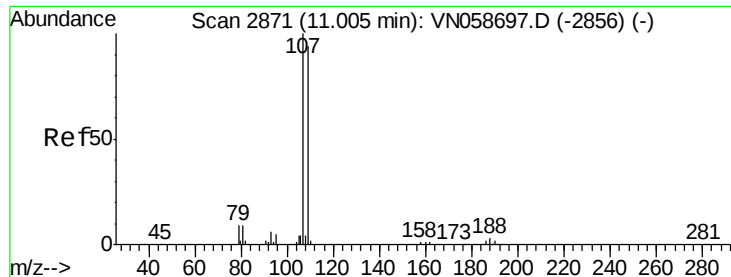
Tot Ion: 43 Resp: 535022
Ion Ratio Lower Upper
43 100
58 51.3 26.1 78.3



#60
Dibromochloromethane
Concen: 21.137 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion: 129 Resp: 101882
Ion Ratio Lower Upper
129 100
127 75.7 38.5 115.3

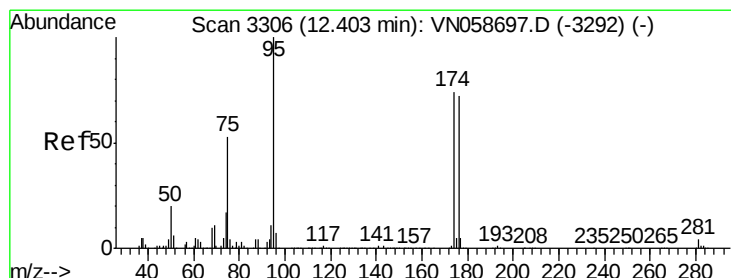
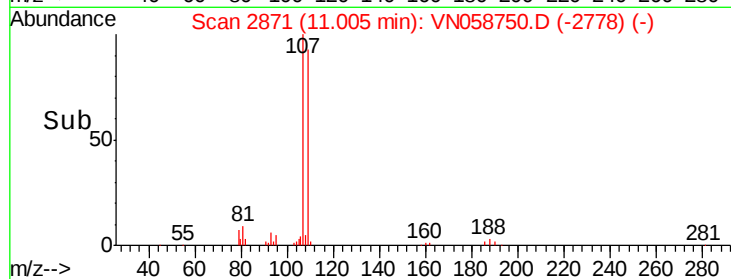
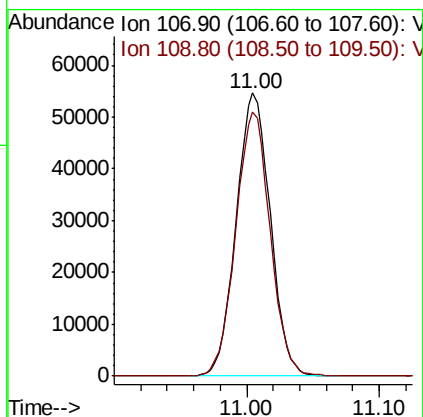
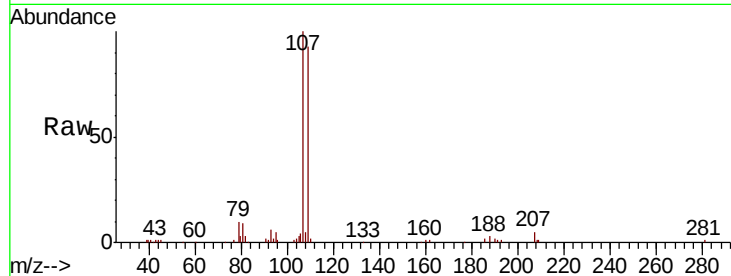




#61
 1,2-Dibromoethane
 Concen: 20.860 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

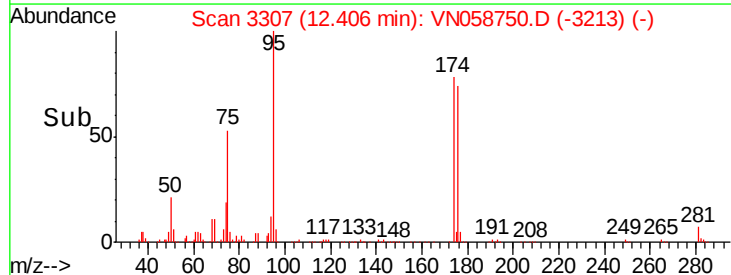
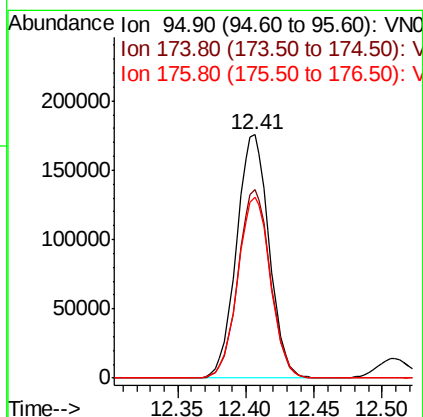
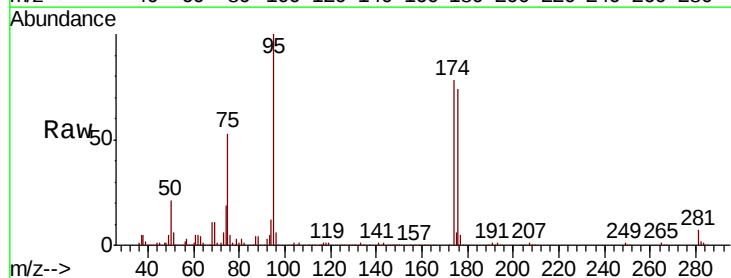
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

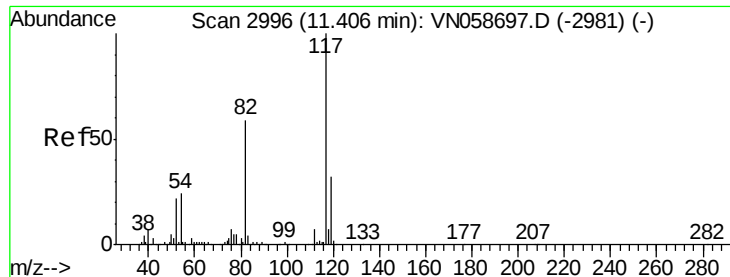
Tot Ion: 107 Resp: 97648
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 48.419 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion: 95 Resp: 290998
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 150.4
 176 74.7 0.0 146.8

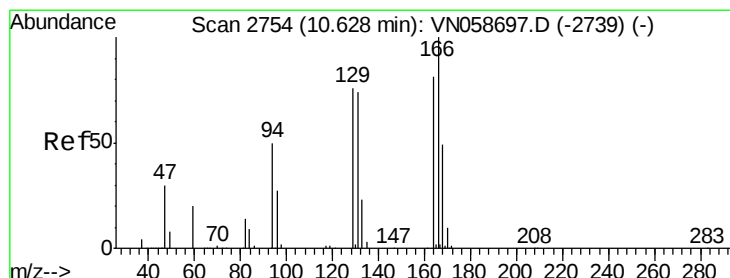
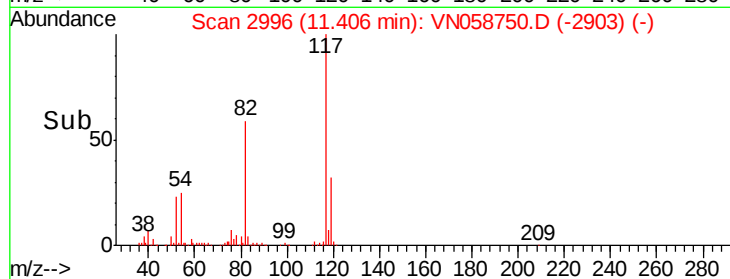
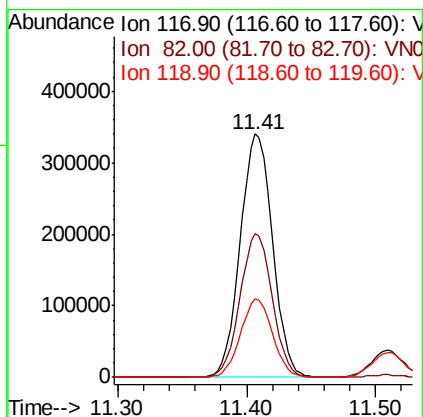
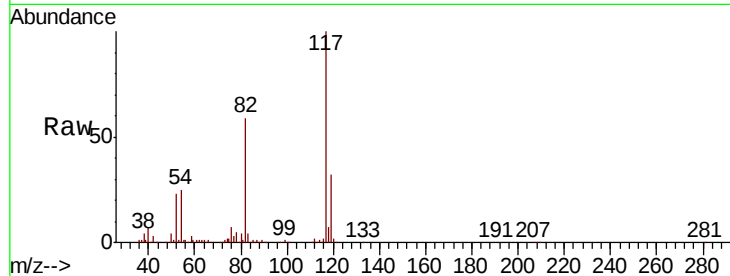




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

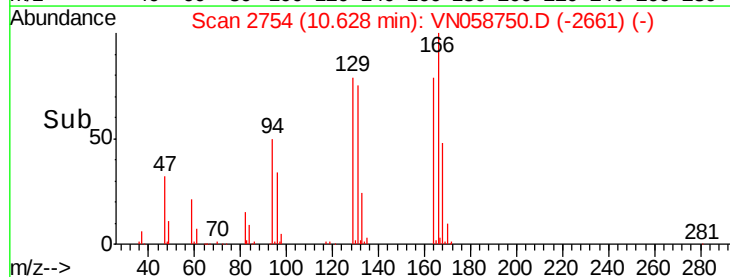
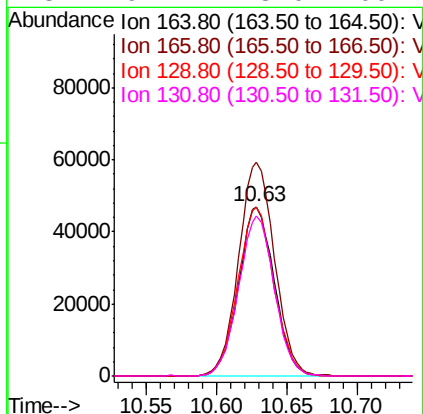
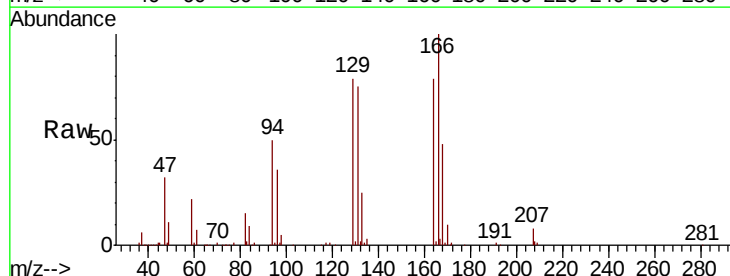
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

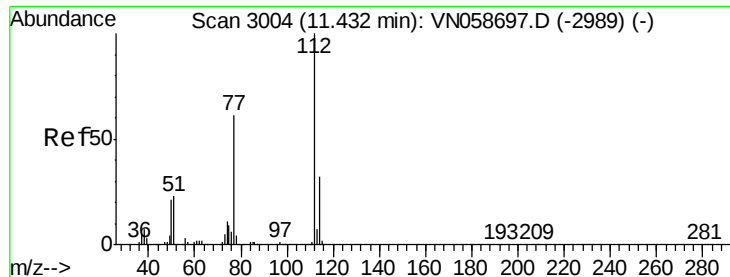
Tot Ion:117 Resp: 595093
Ion Ratio Lower Upper
117 100
82 59.0 47.0 70.4
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 19.945 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion:164 Resp: 83064
Ion Ratio Lower Upper
164 100
166 126.2 99.3 148.9
129 100.2 75.2 112.8
131 94.4 73.0 109.4

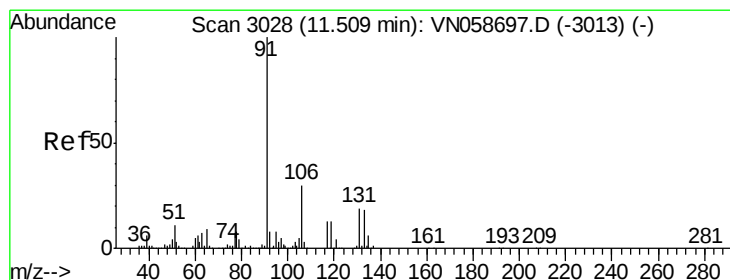
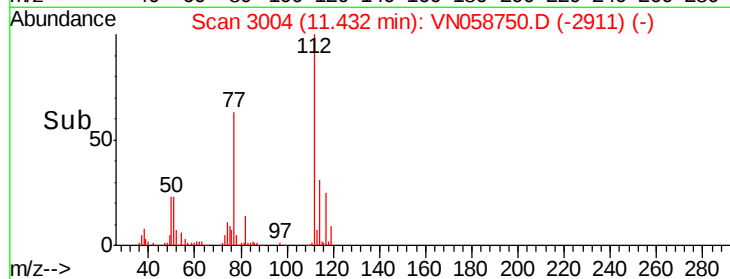
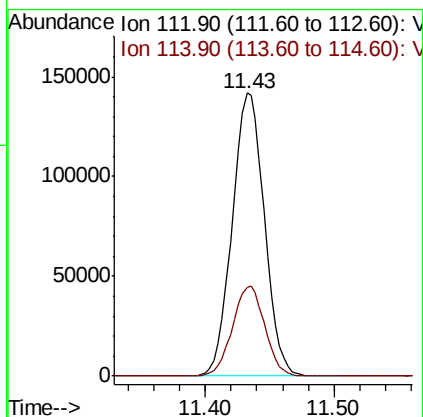
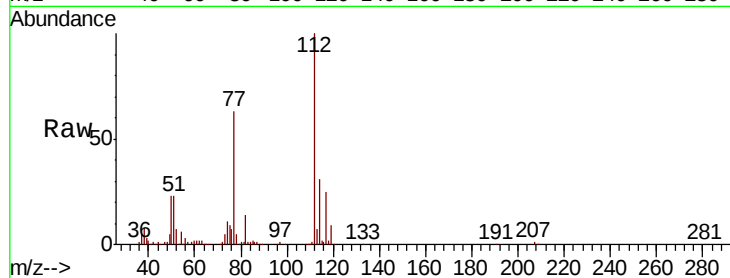




#65
Chlorobenzene
Concen: 20.288 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

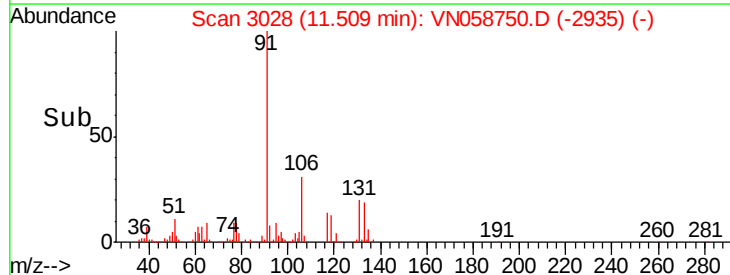
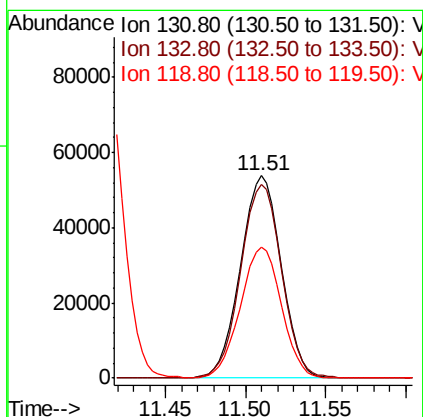
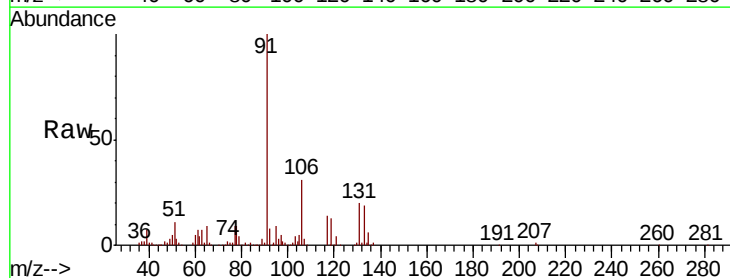
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

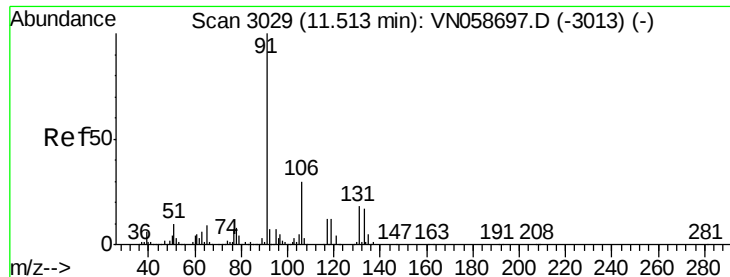
Tot Ion:112 Resp: 245182
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.897 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion:131 Resp: 93384
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.9
119 65.4 33.0 98.9





#67

Ethyl Benzene

Concen: 20.779 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

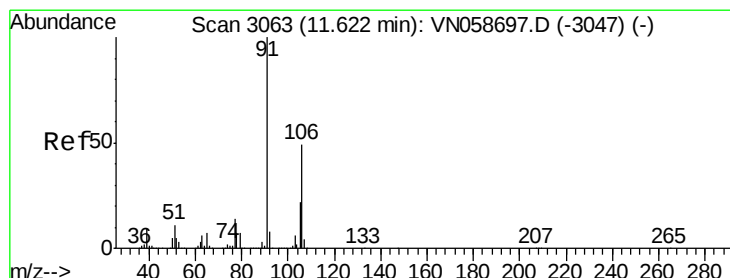
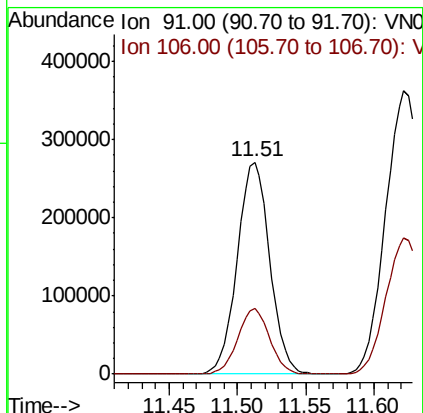
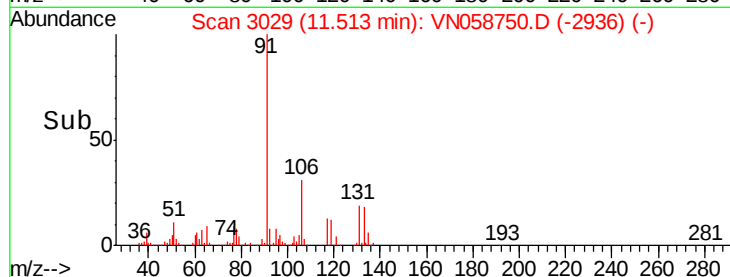
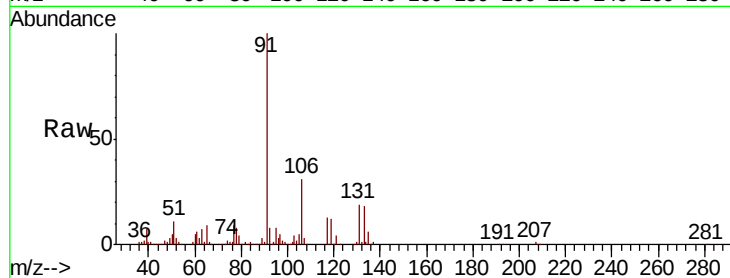
VN1014WBS01

Tot Ion: 91 Resp: 447634

Ion Ratio Lower Upper

91 100

106 30.7 24.1 36.1



#68

m/p-Xylenes

Concen: 41.142 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058750.D

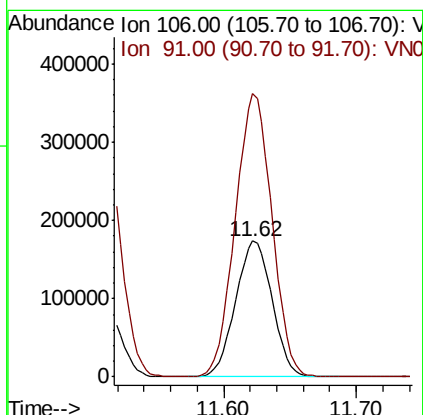
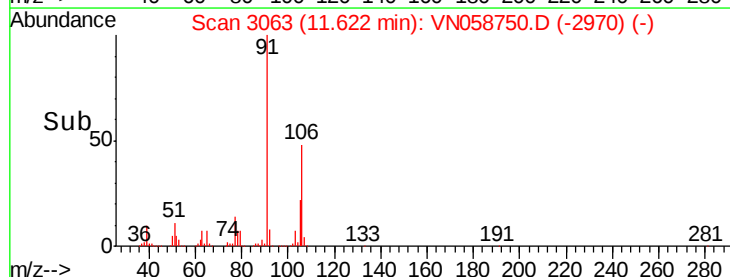
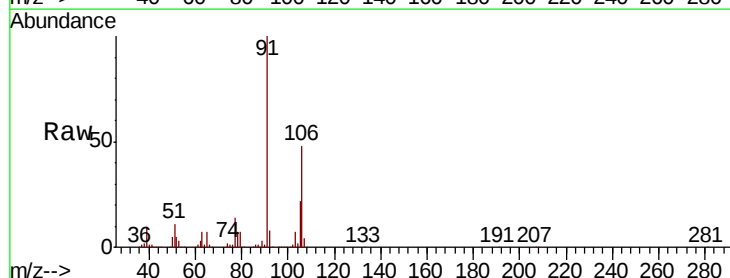
Acq: 14 Oct 2019 15:27

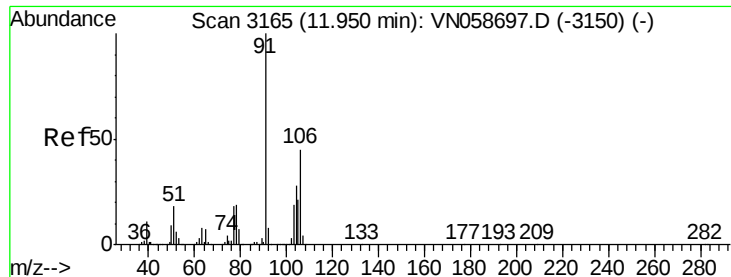
Tgt Ion: 106 Resp: 332609

Ion Ratio Lower Upper

106 100

91 208.7 165.7 248.5

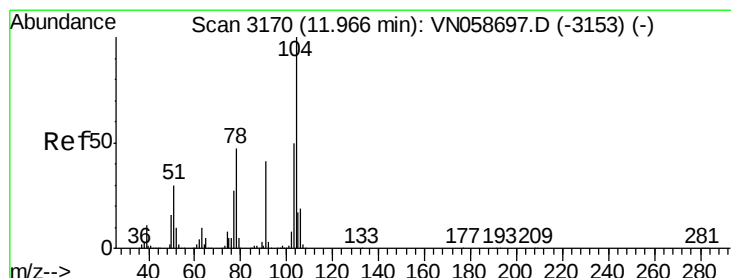
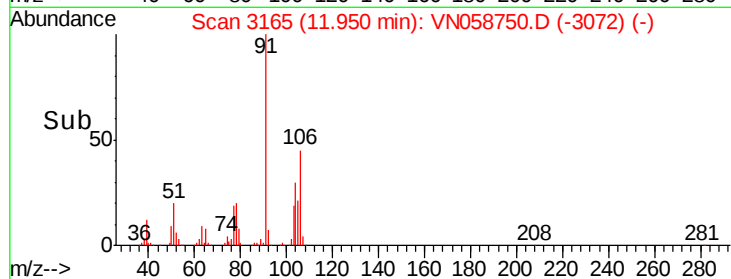
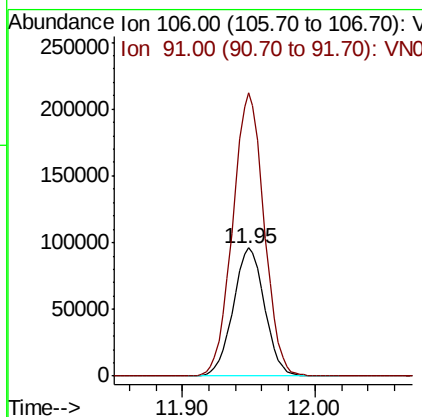
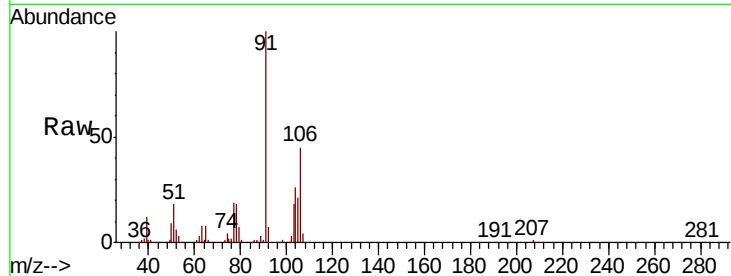




#69
o-Xylene
Concen: 20.175 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

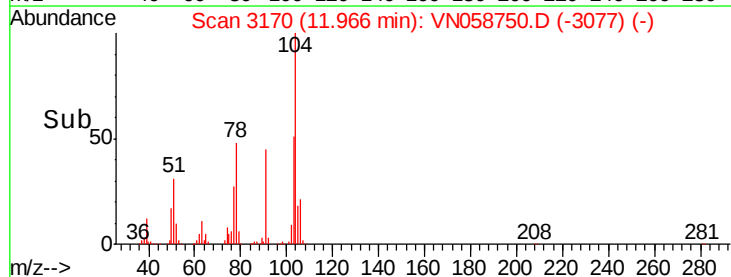
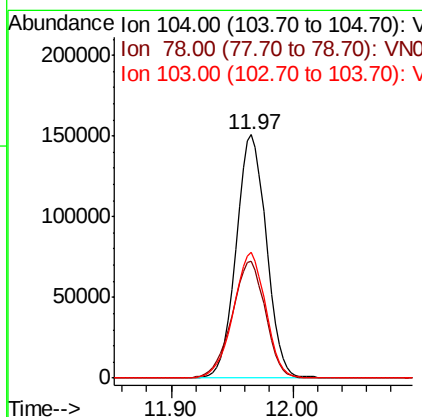
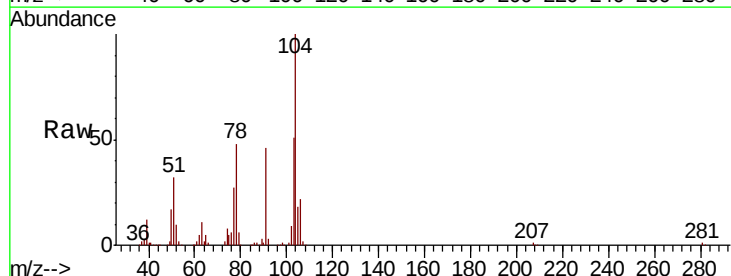
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

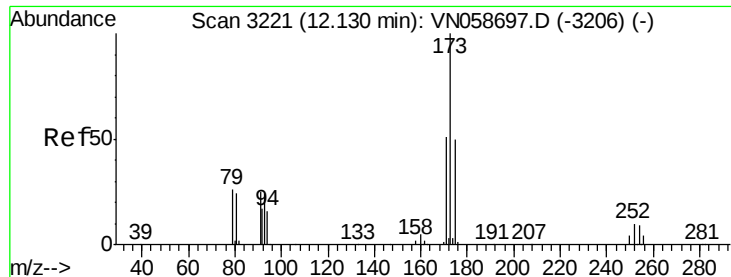
Tot Ion:106 Resp: 157807
Ion Ratio Lower Upper
106 100
91 220.7 110.9 332.9



#70
Styrene
Concen: 20.145 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion:104 Resp: 258254
Ion Ratio Lower Upper
104 100
78 53.4 42.2 63.2
103 55.3 43.7 65.5





#71

Bromoform

Concen: 20.997 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

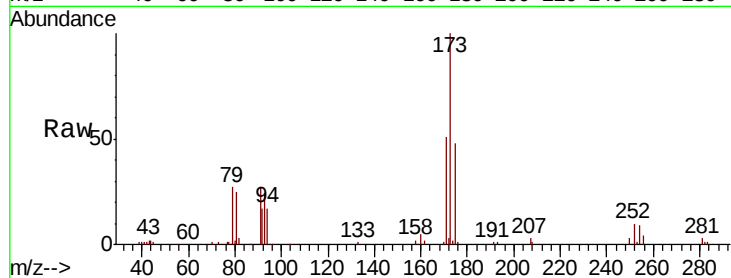
Tot Ion:173 Resp: 68776

Ion Ratio Lower Upper

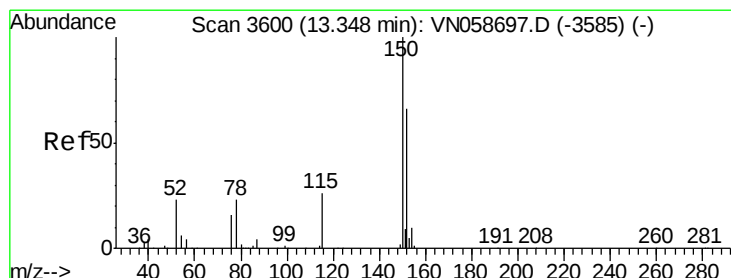
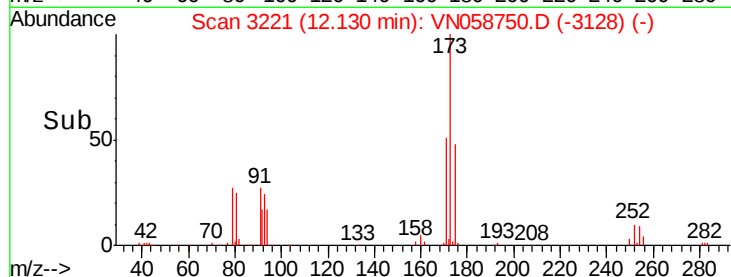
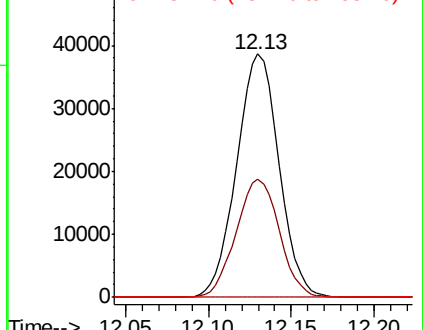
173 100

175 49.4 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: VN058750.D

Acq: 14 Oct 2019 15:27

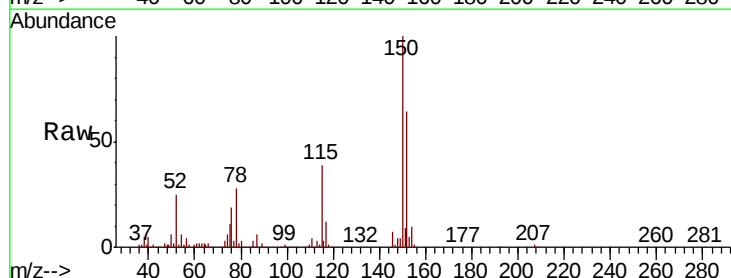
Tgt Ion:152 Resp: 284106

Ion Ratio Lower Upper

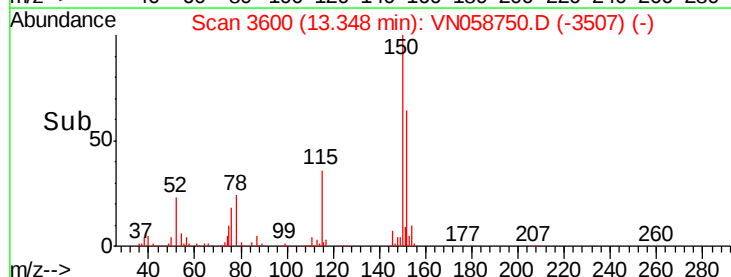
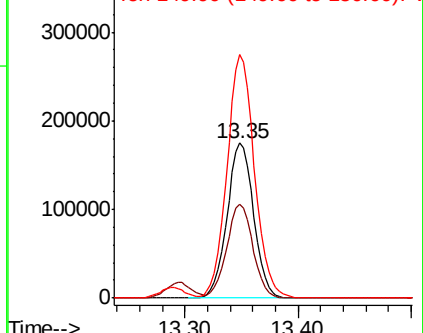
152 100

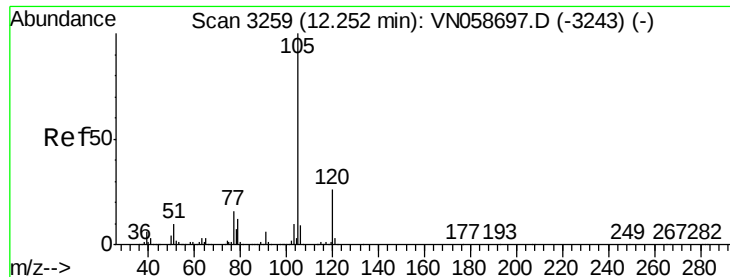
115 60.4 30.4 91.2

150 163.1 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: 21.055 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

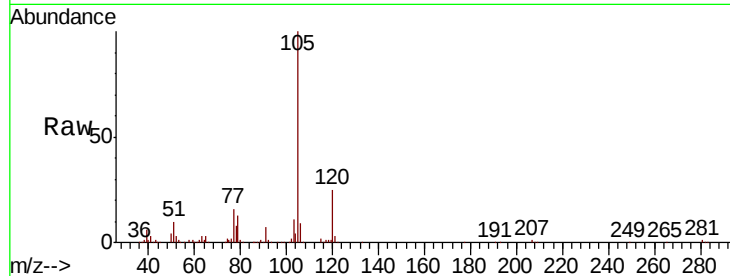
VN1014WBS01

Tot Ion:105 Resp: 433222

Ion Ratio Lower Upper

105 100

120 25.4 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

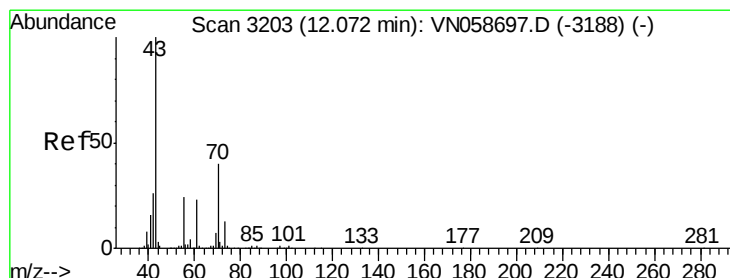
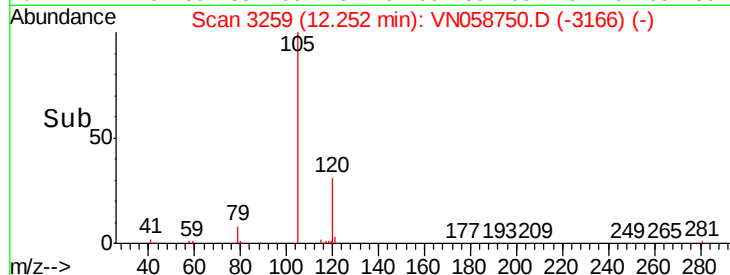
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.831 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Tgt Ion: 43 Resp: 192508

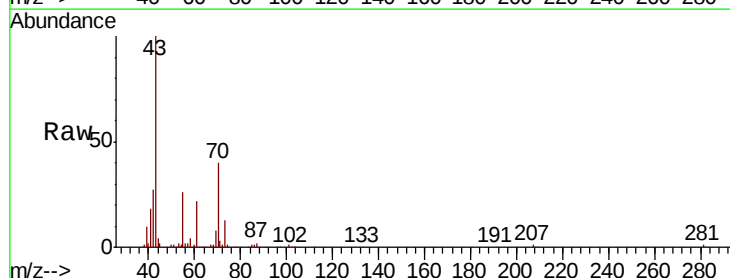
Ion Ratio Lower Upper

43 100

70 39.8 32.2 48.4

55 26.1 19.6 29.4

61 22.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

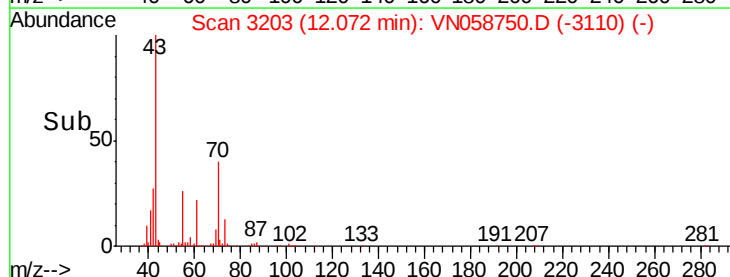
150000

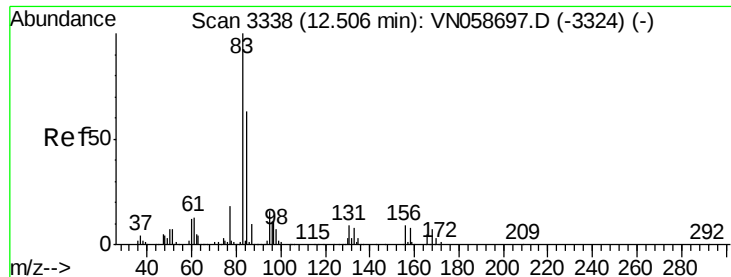
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.763 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

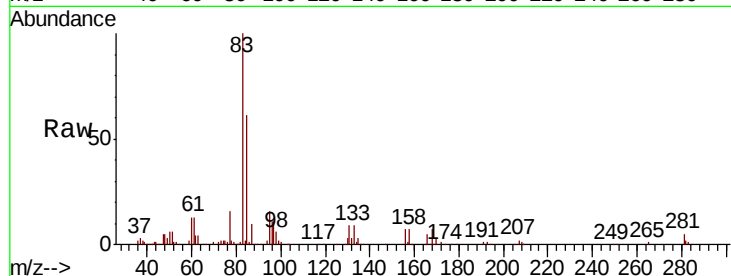
Tot Ion: 83 Resp: 147517

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.4

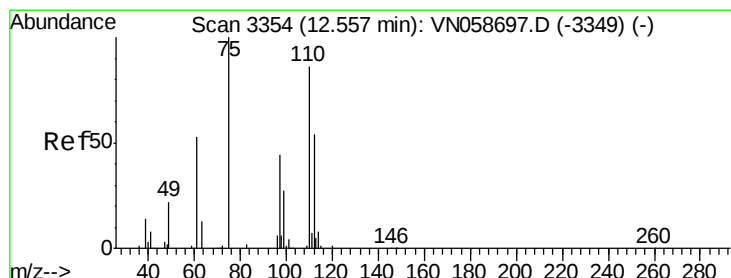
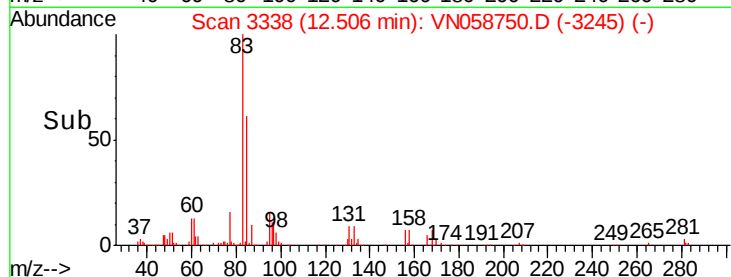
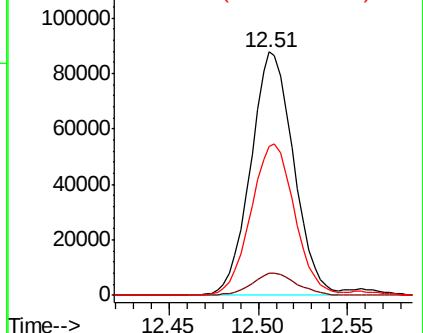
85 63.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058750.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058750.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058750.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 31.022 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058750.D

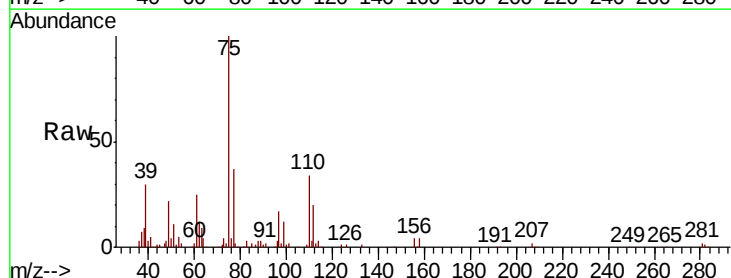
Acq: 14 Oct 2019 15:27

Tgt Ion: 75 Resp: 193349

Ion Ratio Lower Upper

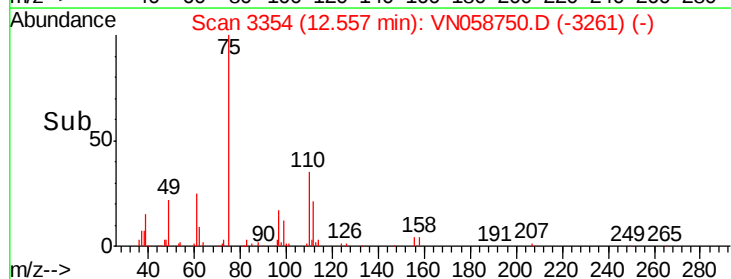
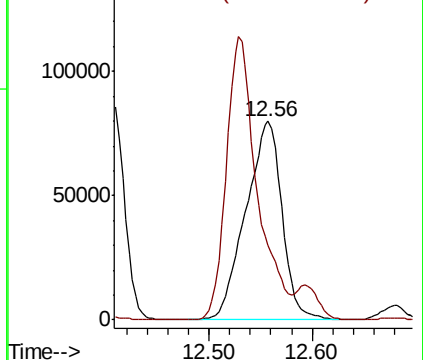
75 100

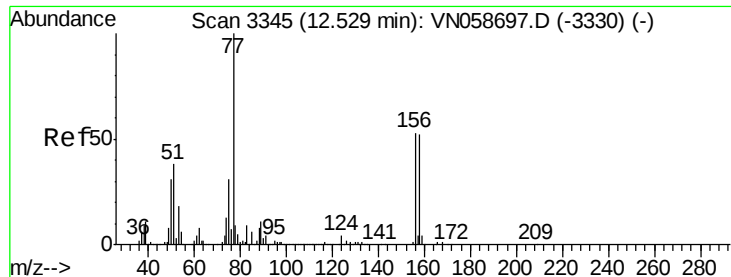
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058750.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058750.D (-3261) (-)





#77

Bromobenzene

Concen: 20.274 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampled :

VN1014WBS01

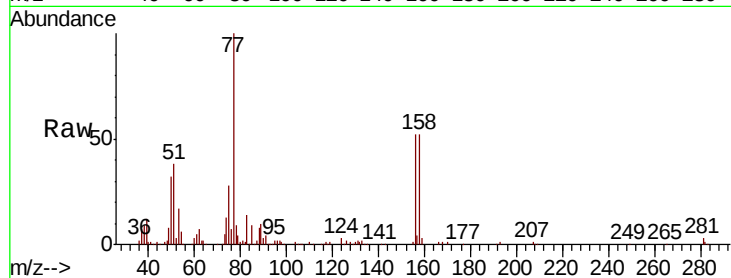
Tot Ion:156 Resp: 101467

Ion Ratio Lower Upper

156 100

77 234.1 115.8 347.3

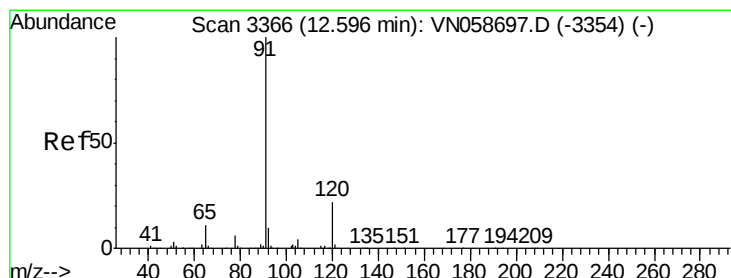
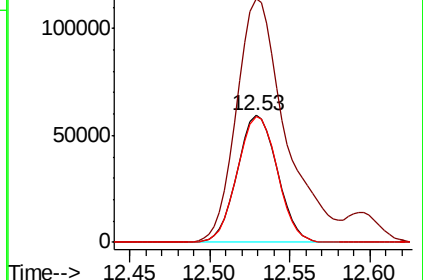
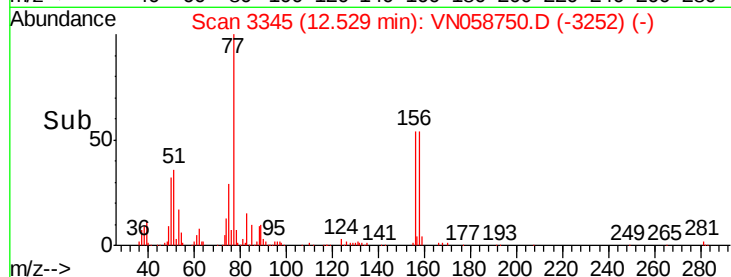
158 99.3 48.9 146.6



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: 21.346 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058750.D

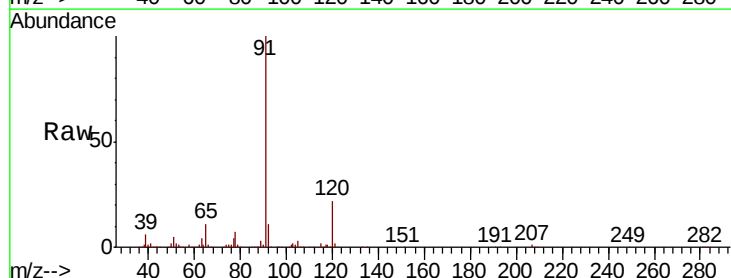
Acq: 14 Oct 2019 15:27

Tgt Ion: 91 Resp: 511783

Ion Ratio Lower Upper

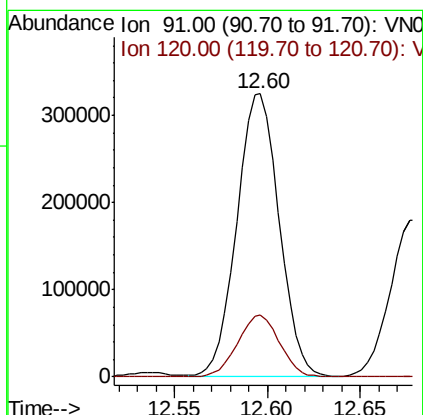
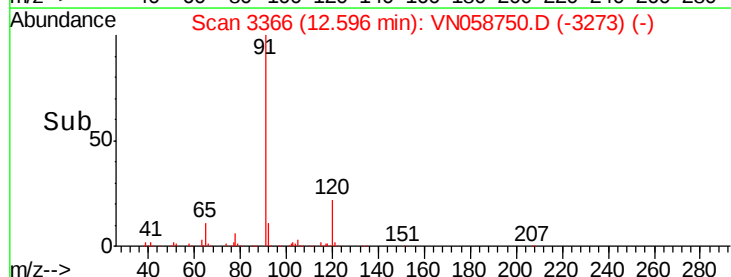
91 100

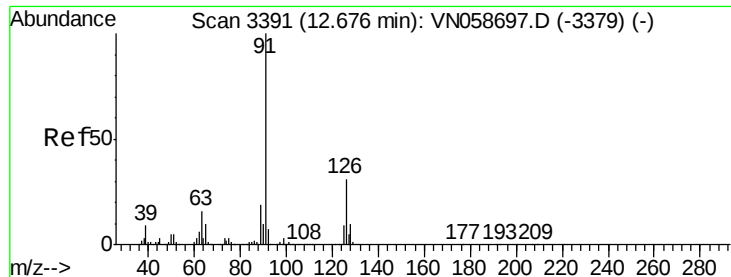
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

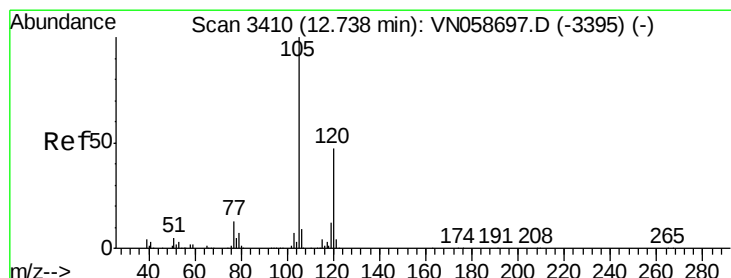
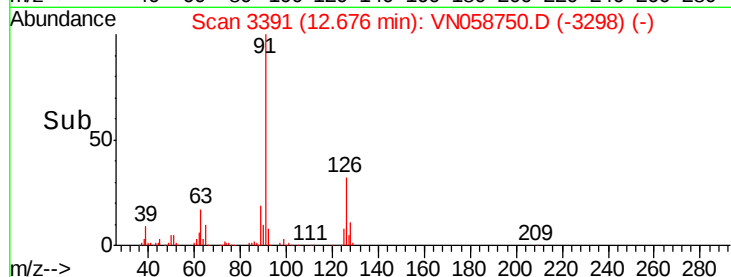
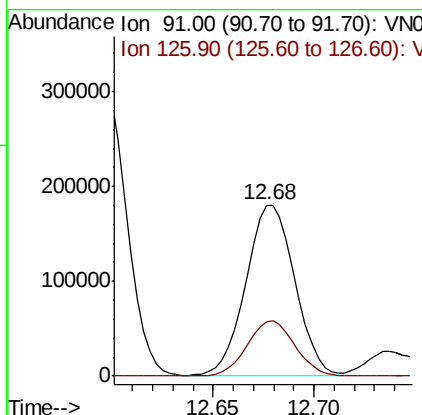
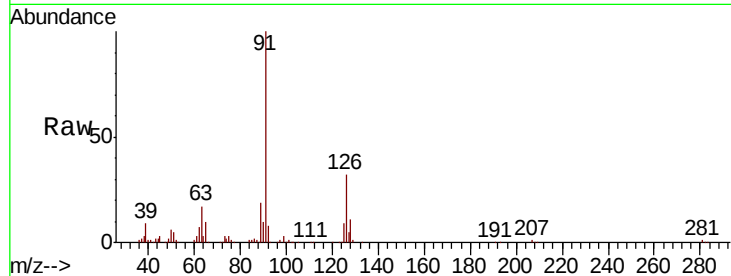




#79
2-Chlorotoluene
Concen: 20.424 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

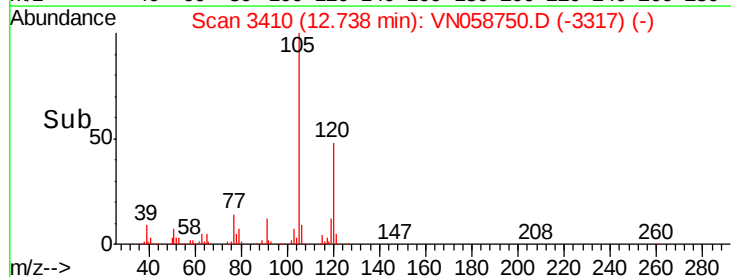
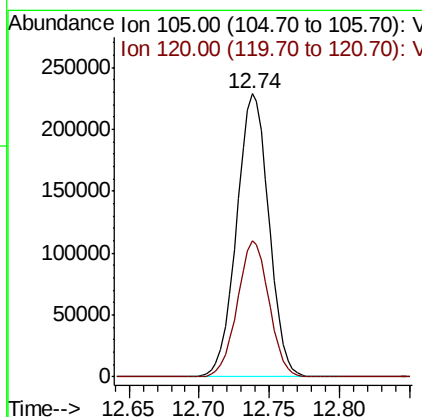
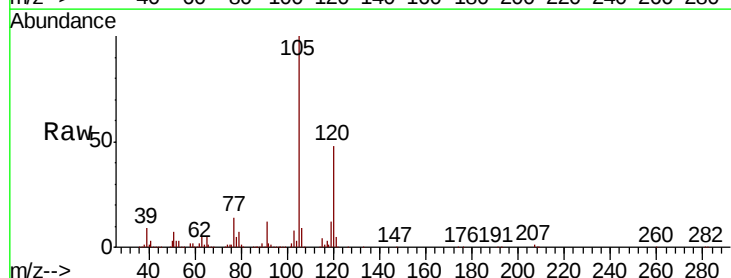
Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

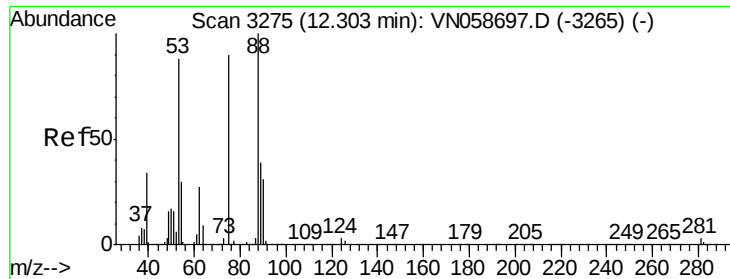
Tot Ion: 91 Resp: 303940
Ion Ratio Lower Upper
91 100
126 32.1 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 20.820 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058750.D
Acq: 14 Oct 2019 15:27

Tgt Ion: 105 Resp: 365729
Ion Ratio Lower Upper
105 100
120 47.6 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.673 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

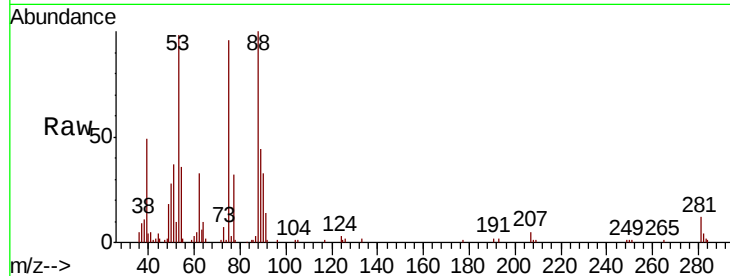
Tot Ion: 75 Resp: 48100

Ion Ratio Lower Upper

75 100

53 103.5 78.4 117.6

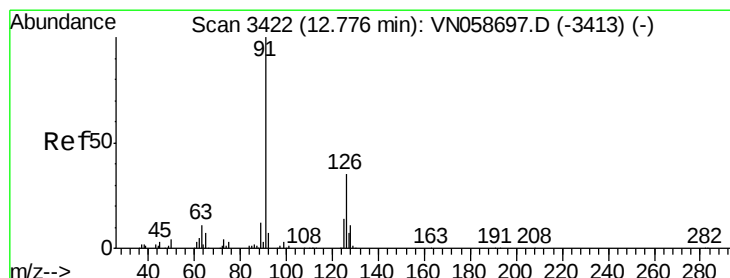
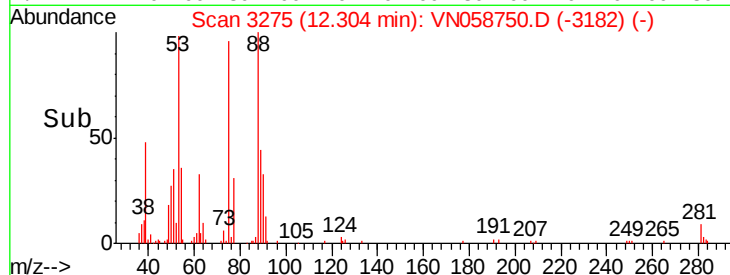
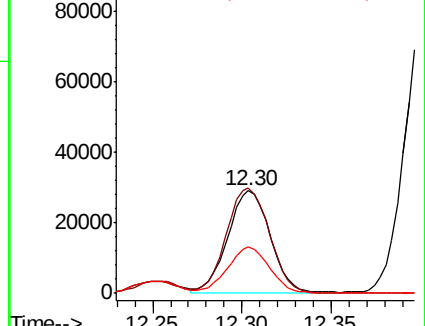
89 45.3 34.9 52.3



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: 20.512 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058750.D

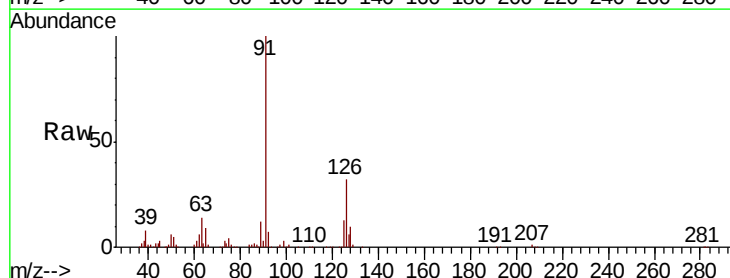
Acq: 14 Oct 2019 15:27

Tgt Ion: 91 Resp: 313235

Ion Ratio Lower Upper

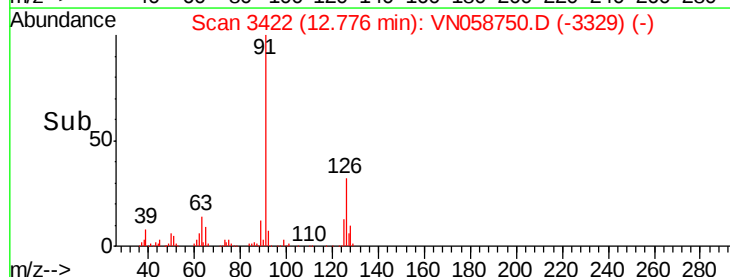
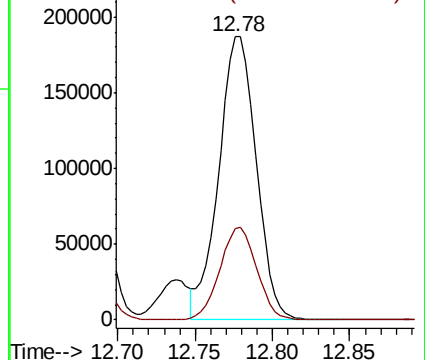
91 100

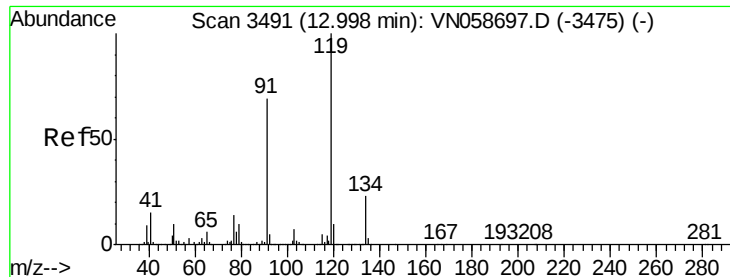
126 32.2 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.441 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

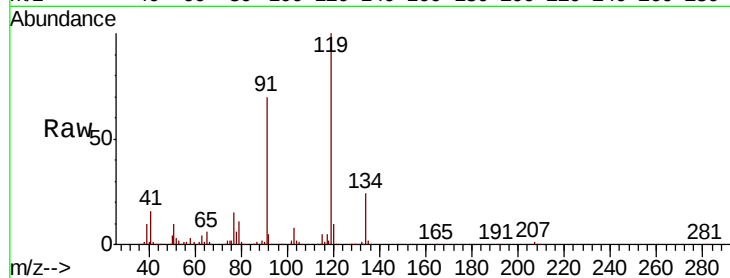
Tot Ion:119 Resp: 307608

Ion Ratio Lower Upper

119 100

91 68.2 33.8 101.3

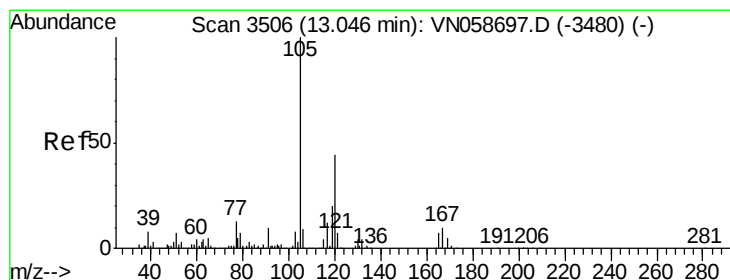
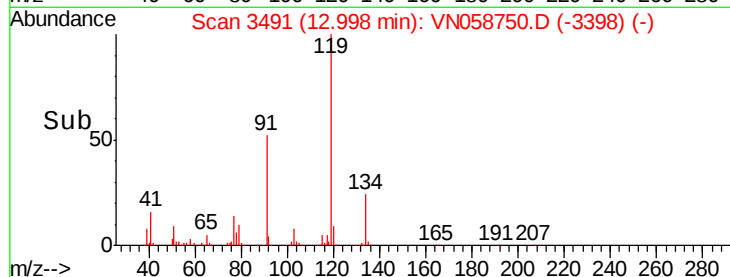
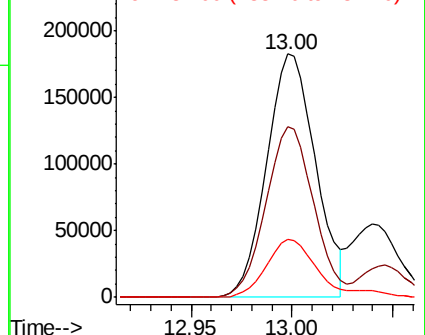
134 25.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.048 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058750.D

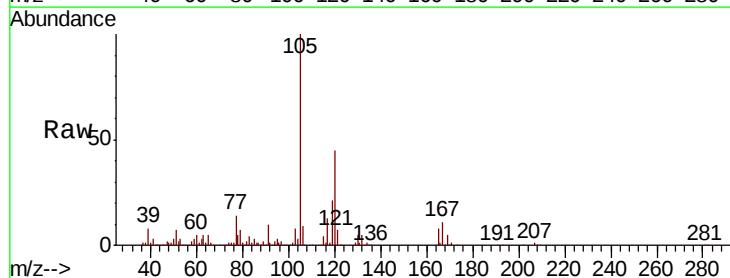
Acq: 14 Oct 2019 15:27

Tgt Ion:105 Resp: 367046

Ion Ratio Lower Upper

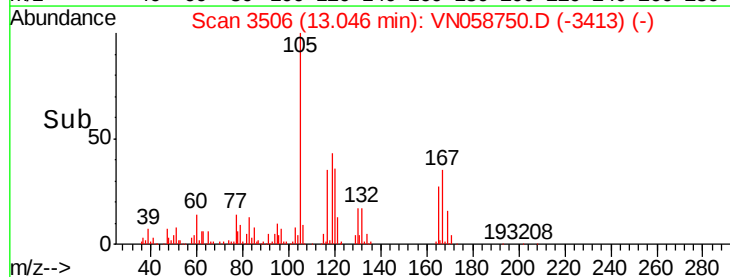
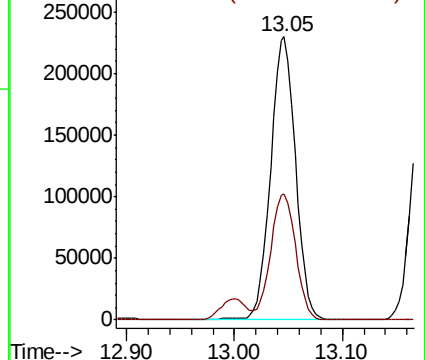
105 100

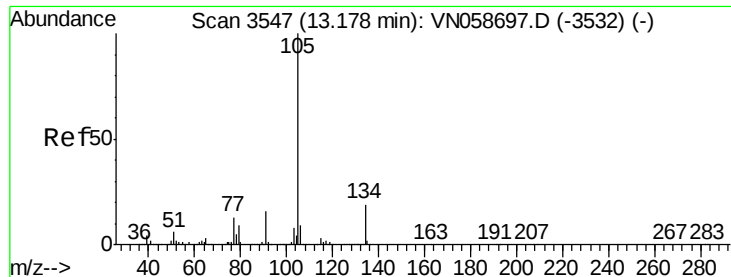
120 44.8 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.207 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

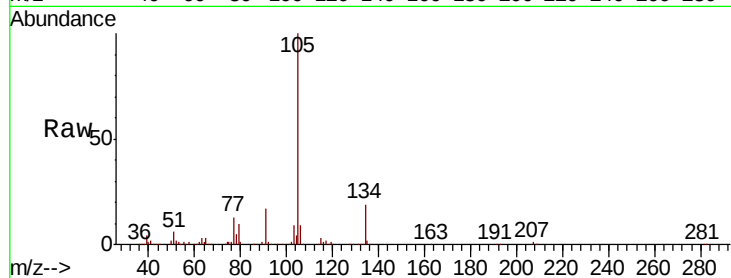
VN1014WBS01

Tot Ion:105 Resp: 420509

Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

250000

200000

150000

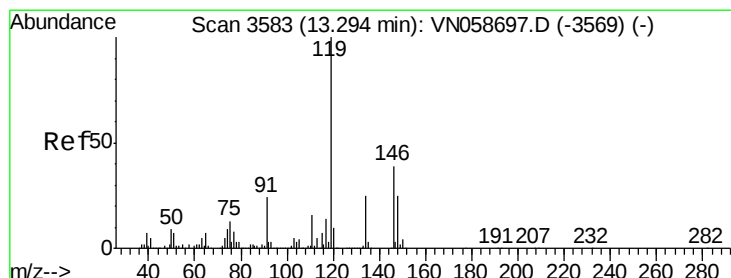
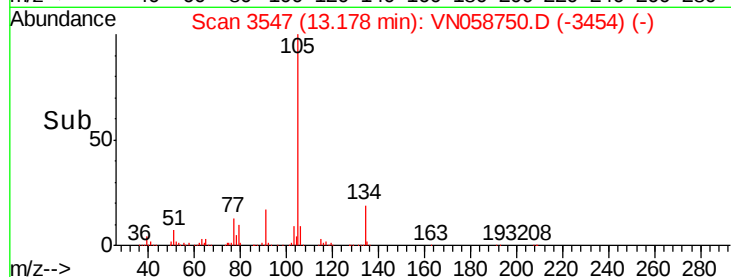
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.714 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

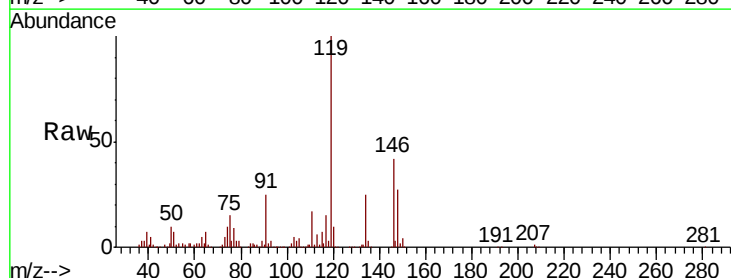
Tgt Ion:119 Resp: 373301

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 25.3 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

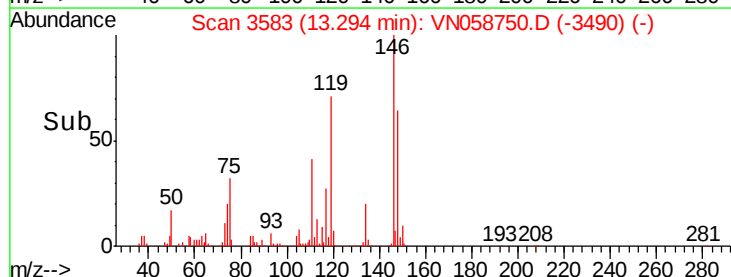
100000

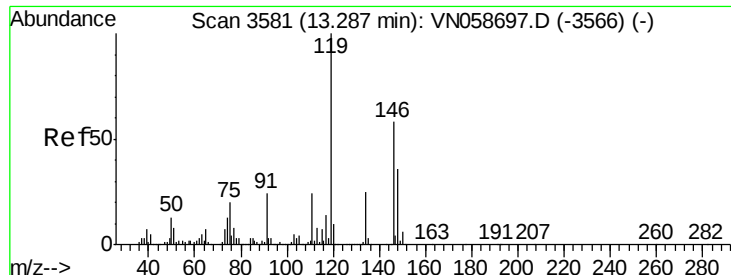
50000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 20.253 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

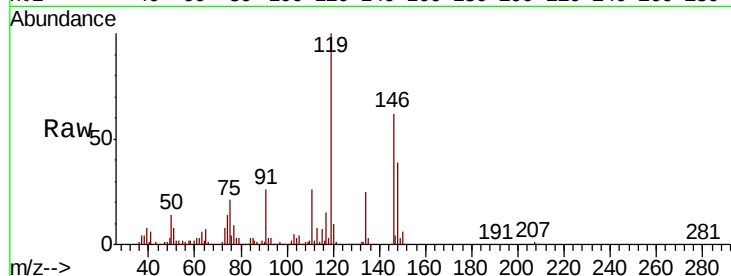
Tot Ion:146 Resp: 186932

Ion Ratio Lower Upper

146 100

111 41.3 20.5 61.6

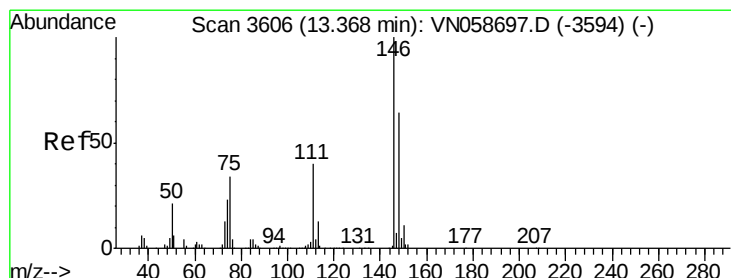
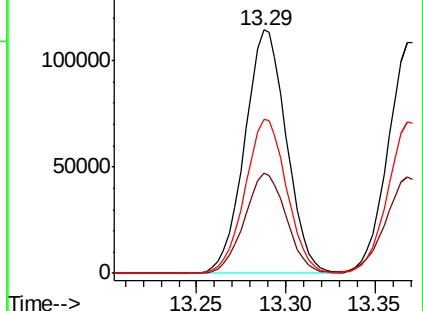
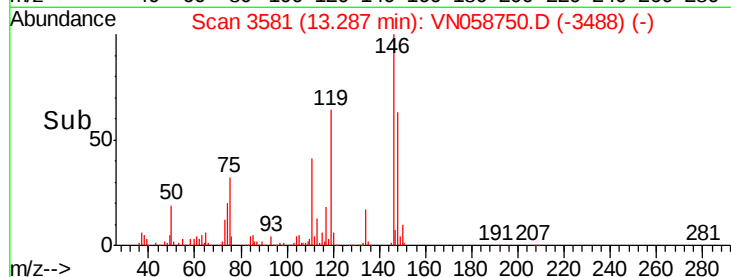
148 63.3 31.3 93.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.261 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

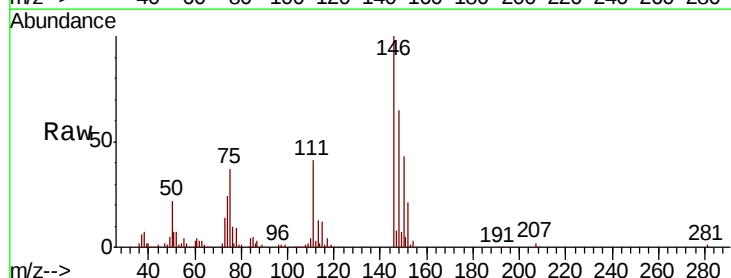
Tgt Ion:146 Resp: 180743

Ion Ratio Lower Upper

146 100

111 43.5 20.1 60.2

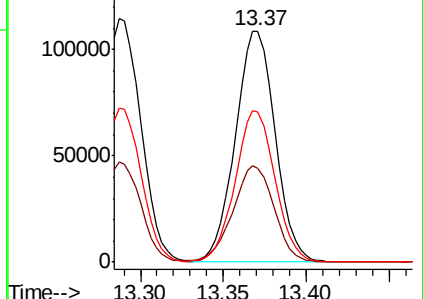
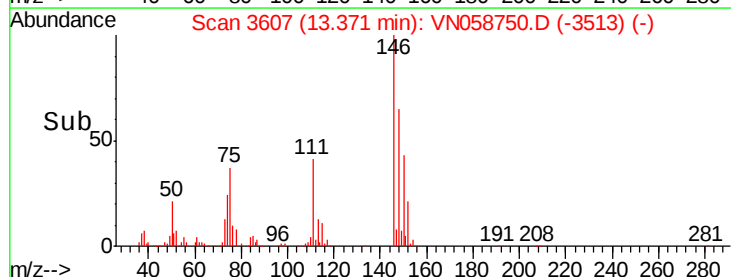
148 65.7 31.9 95.7

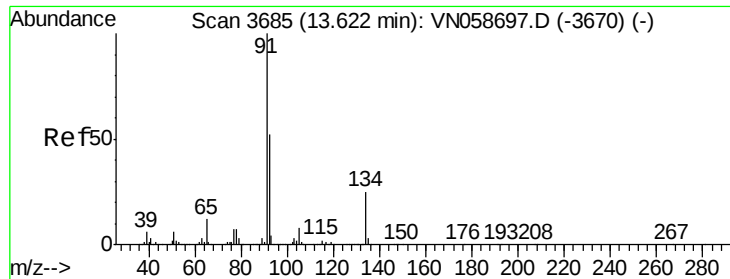


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.198 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

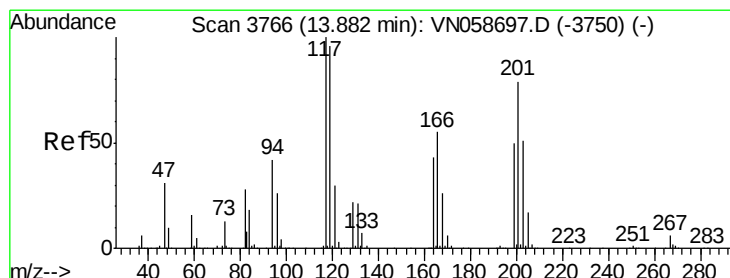
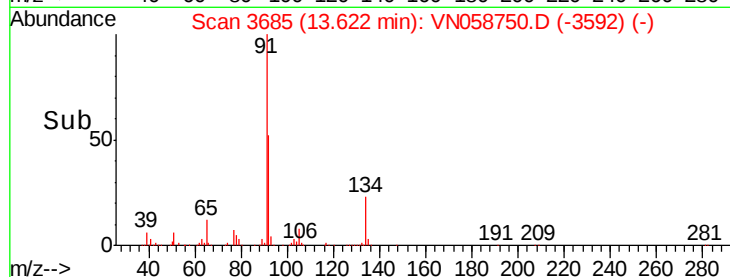
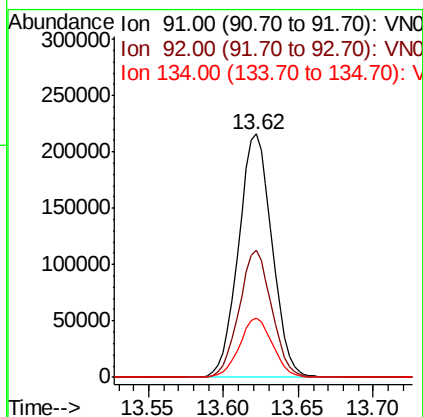
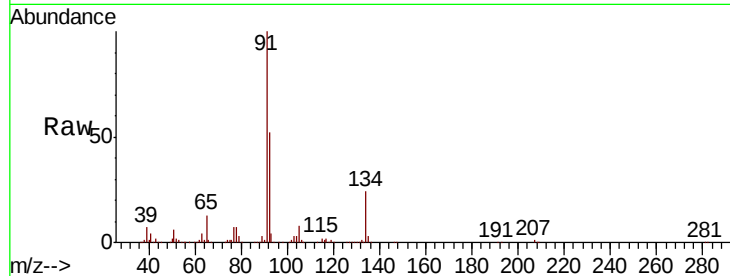
Tot Ion: 91 Resp: 336582

Ion Ratio Lower Upper

91 100

92 50.9 26.0 78.0

134 23.8 12.2 36.6



#90

Hexachloroethane

Concen: 21.205 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058750.D

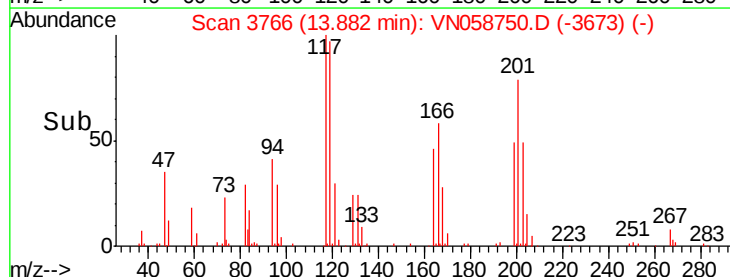
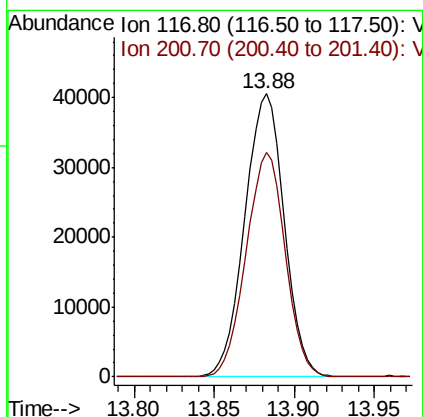
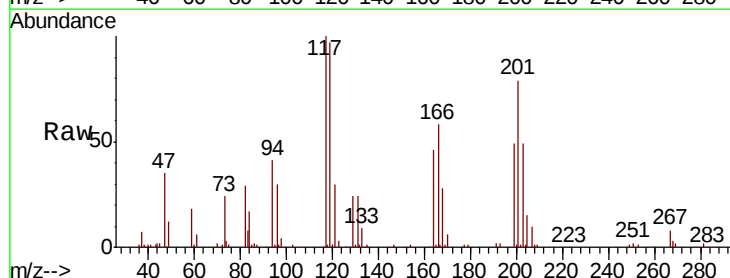
Acq: 14 Oct 2019 15:27

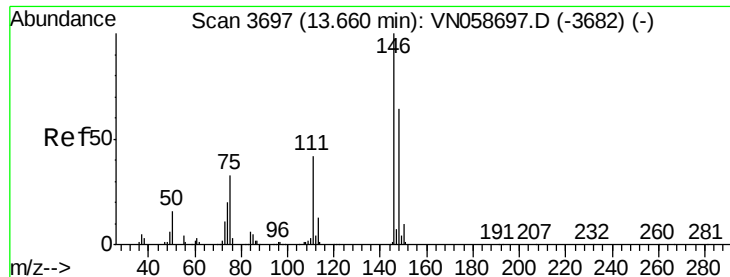
Tgt Ion: 117 Resp: 68380

Ion Ratio Lower Upper

117 100

201 78.3 39.6 118.7





#91

1,2-Dichlorobenzene

Concen: 20.508 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

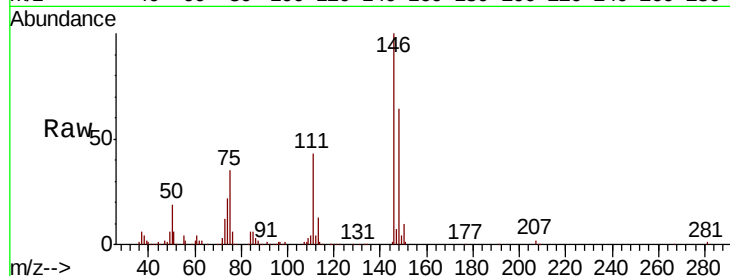
Tot Ion:146 Resp: 184481

Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.4

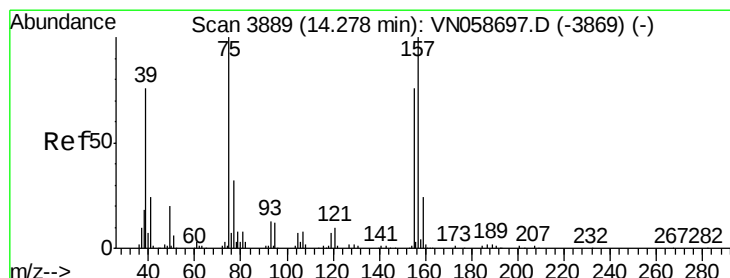
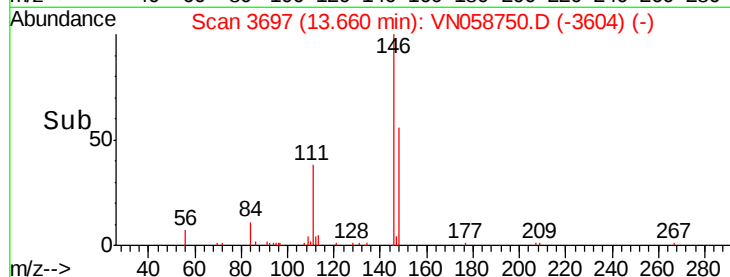
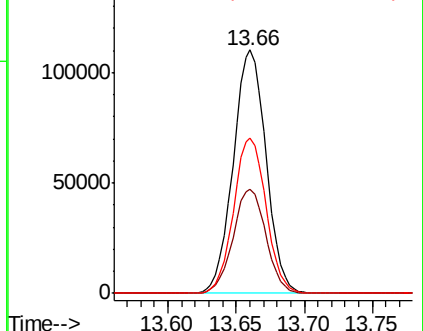
148 63.2 31.8 95.3



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: 20.001 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

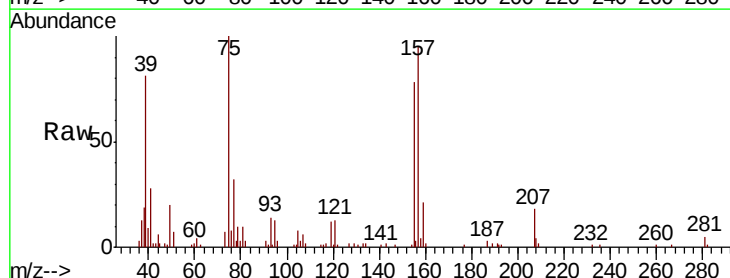
Tgt Ion: 75 Resp: 31672

Ion Ratio Lower Upper

75 100

155 73.2 37.9 113.6

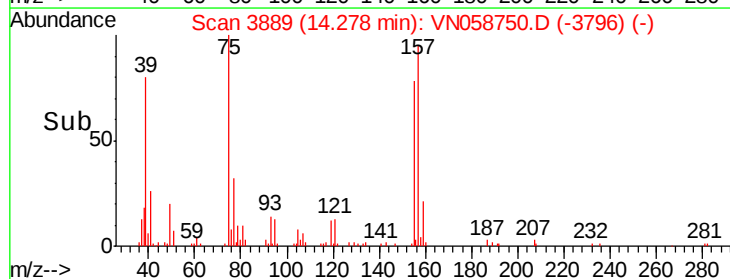
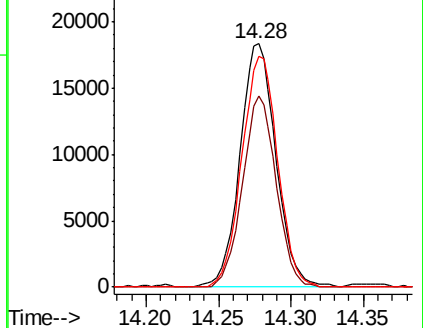
157 94.3 49.4 148.2

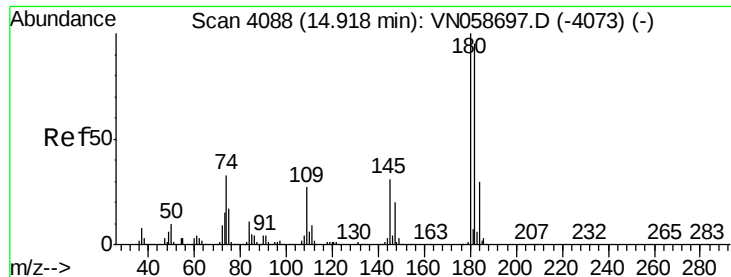


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

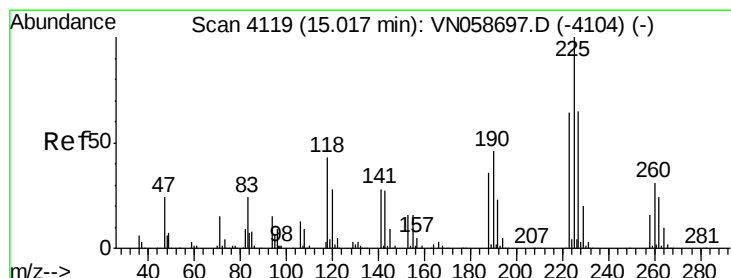
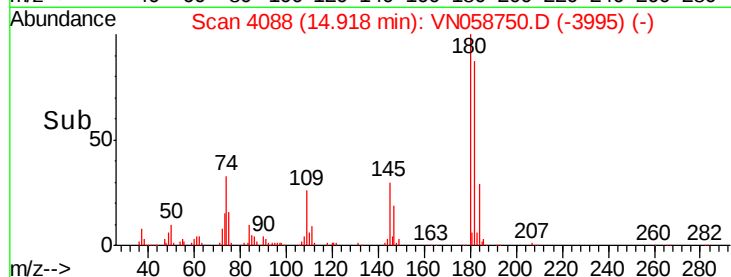
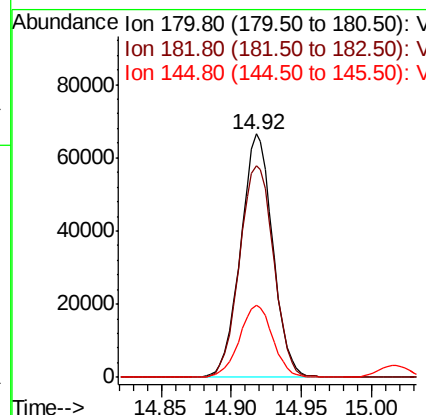
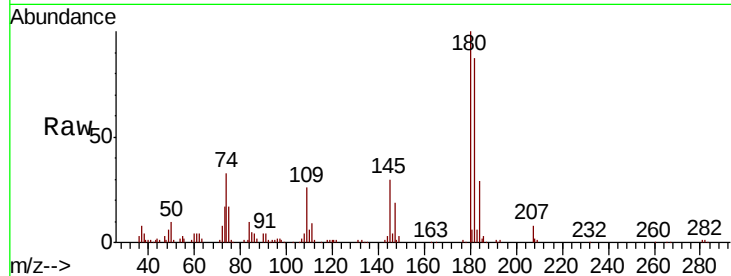




#93
 1,2,4-Trichlorobenzene
 Concen: 19.348 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

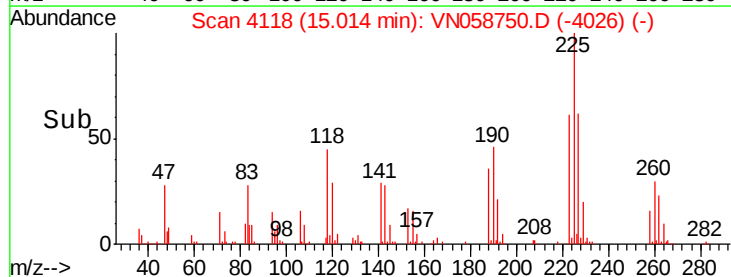
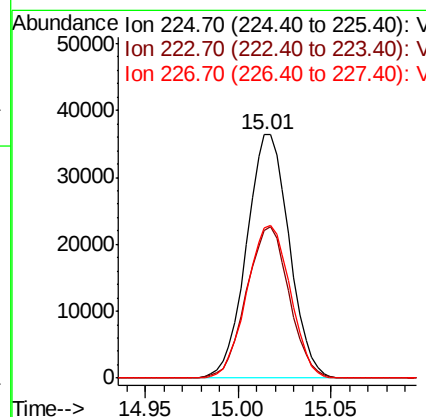
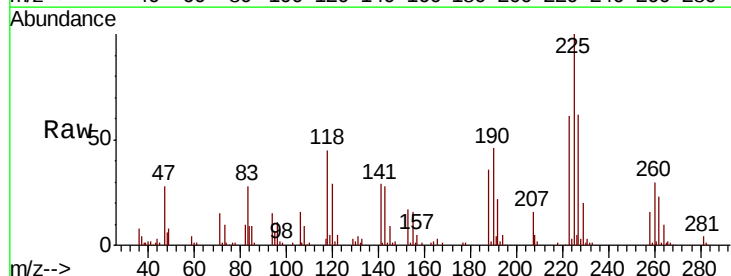
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

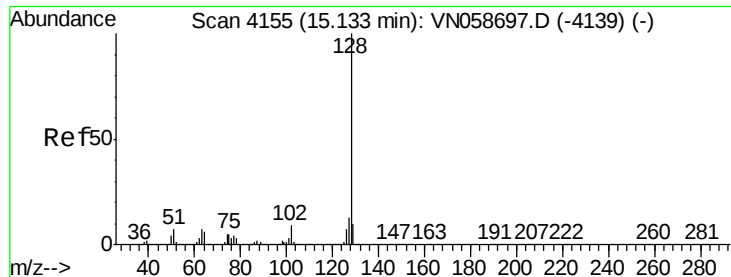
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.4	142.2
145	30.8	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 20.222 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058750.D
 Acq: 14 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.3	96.8
227	64.0	32.4	97.0





#95

Naphthalene

Concen: 18.775 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

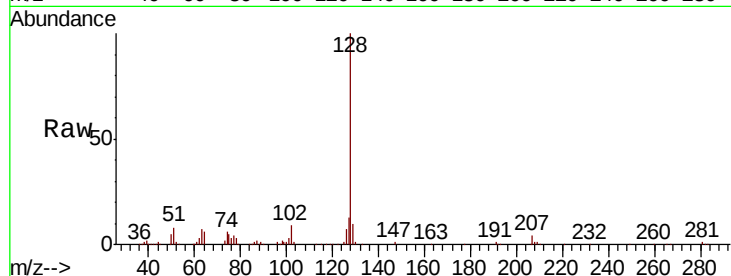
Tot Ion:128 Resp: 296094

Ion Ratio Lower Upper

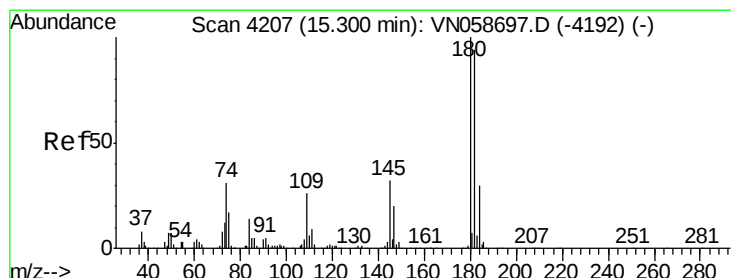
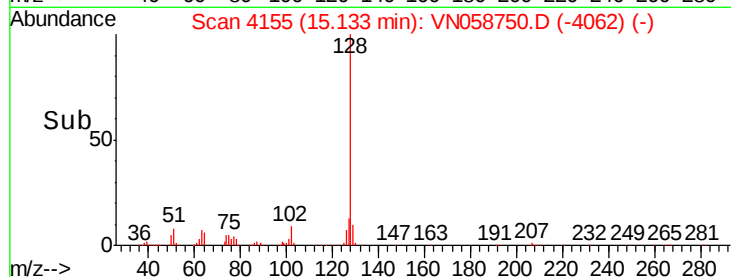
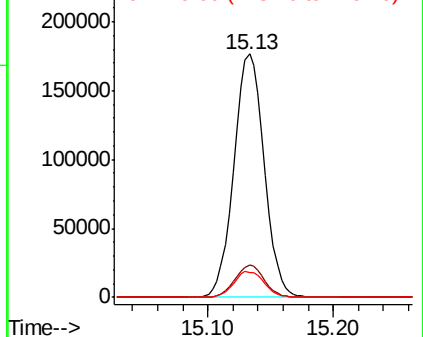
128 100

127 12.9 10.2 15.4

129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.389 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058750.D

Acq: 14 Oct 2019 15:27

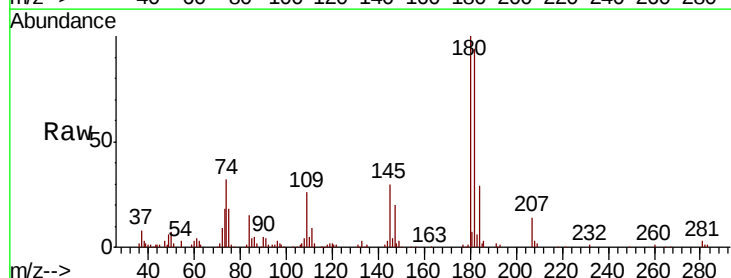
Tgt Ion:180 Resp: 103875

Ion Ratio Lower Upper

180 100

182 94.8 47.3 142.0

145 31.5 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

