

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058705.D
 Acq On : 11 Oct 2019 15:58
 Operator : JC/SP
 Sample : K5111-08 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 00:09:45 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	421115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	694830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273308	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	310877	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	7.57	113	217368	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.09	98	834503	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	294080	45.27	ug/l	0.00
Spiked Amount			Recovery	=	90.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	13325	2.541	ug/l	97
3) Chloromethane	2.04	50	17037	2.732	ug/l	99
4) Vinyl Chloride	2.17	62	15762	2.538	ug/l	99
5) Bromomethane	2.55	94	11735	3.106	ug/l	93
6) Chloroethane	2.68	64	10270	2.680	ug/l	98
7) Trichlorofluoromethane	3.00	101	20731	2.789	ug/l	99
8) Diethyl Ether	3.39	74	7409	2.697	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	10881	2.567	ug/l #	86
10) Methyl Iodide	3.93	142	13505	2.335	ug/l	97
11) Tert butyl alcohol	4.76	59	13270	13.898	ug/l	100
12) 1,1-Dichloroethene	3.71	96	11878	2.937	ug/l #	72
13) Acrolein	3.58	56	9583	12.480	ug/l	98
14) Allyl chloride	4.29	41	21319	2.612	ug/l	98
15) Acrylonitrile	4.96	53	30559	12.691	ug/l	97
16) Acetone	3.80	43	29748	12.188	ug/l	97
17) Carbon Disulfide	4.03	76	34737	2.687	ug/l	100
18) Methyl Acetate	4.30	43	17164	2.772	ug/l #	82
19) Methyl tert-butyl Ether	5.03	73	37920	2.626	ug/l	95
20) Methylene Chloride	4.52	84	14106	2.765	ug/l	89
21) trans-1,2-Dichloroethene	5.02	96	12448	2.752	ug/l	90
22) Diisopropyl ether	5.93	45	39714	2.503	ug/l #	84
23) Vinyl Acetate	5.87	43	163723	12.786	ug/l	100
24) 1,1-Dichloroethane	5.83	63	23431	2.593	ug/l	98
25) 2-Butanone	6.82	43	43040	12.200	ug/l	98
26) 2,2-Dichloropropane	6.80	77	21978	2.664	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	14012	2.656	ug/l	97
28) Bromochloromethane	7.17	49	4064	1.293	ug/l #	17
29) Tetrahydrofuran	7.19	42	28070	12.313	ug/l	97
30) Chloroform	7.35	83	24092	2.653	ug/l	94
31) Cyclohexane	7.64	56	30774	3.559	ug/l #	67
32) 1,1,1-Trichloroethane	7.55	97	20361	2.629	ug/l	99
36) 1,1-Dichloropropene	7.78	75	18112	2.578	ug/l	99
37) Ethyl Acetate	6.91	43	14291	2.011	ug/l #	90
38) Carbon Tetrachloride	7.76	117	18195	2.657	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	20033	2.457	ug/l	95
40) Benzene	8.03	78	51739	2.564	ug/l	96
41) Methacrylonitrile	7.15	41	5370	1.615	ug/l #	23
42) 1,2-Dichloroethane	8.11	62	21017	2.711	ug/l	90
43) Isopropyl Acetate	8.15	43	28658	2.368	ug/l	95
44) Trichloroethene	8.82	130	12893	2.573	ug/l	94
45) 1,2-Dichloropropane	9.11	63	14955	2.769	ug/l	100
46) Dibromomethane	9.20	93	8799	2.569	ug/l	99
47) Bromodichloromethane	9.39	83	16912	2.425	ug/l	97
48) Methyl methacrylate	9.19	41	13692	2.496	ug/l	96
49) 1,4-Dioxane	9.19	88	4196	49.436	ug/l #	94
51) 4-Methyl-2-Pentanone	9.98	43	84647	12.453	ug/l	97
52) Toluene	10.15	92	30600	2.480	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	18978	2.373	ug/l #	71
54) cis-1,3-Dichloropropene	9.83	75	20676	2.435	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	13585	2.690	ug/l	96
56) Ethyl methacrylate	10.43	69	17292	2.343	ug/l	96
57) 1,3-Dichloropropane	10.71	76	21784	2.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	37680	10.596	ug/l	99
59) 2-Hexanone	10.75	43	60916	11.596	ug/l	100
60) Dibromochloromethane	10.90	129	12346	2.370	ug/l	97
61) 1,2-Dibromoethane	11.00	107	11989	2.369	ug/l	96
64) Tetrachloroethene	10.63	164	11004	2.540	ug/l	93
65) Chlorobenzene	11.43	112	33035	2.627	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	11390	2.450	ug/l	91
67) Ethyl Benzene	11.51	91	56554	2.523	ug/l	100
68) m/p-Xylenes	11.62	106	41420	4.924	ug/l	98
69) o-Xylene	11.95	106	20372	2.503	ug/l	96
70) Styrene	11.97	104	30133	2.259	ug/l	96
71) Bromoform	12.13	173	8038	2.359	ug/l #	97
73) Isopropylbenzene	12.25	105	52070	2.631	ug/l	100
74) N-amyl acetate	12.07	43	21284	2.394	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	18260	2.800	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	25587	4.268	ug/l #	100
77) Bromobenzene	12.53	156	12975	2.695	ug/l	94
78) n-propylbenzene	12.59	91	61194	2.653	ug/l	100
79) 2-Chlorotoluene	12.68	91	38988	2.723	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	44534	2.635	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5181	2.315	ug/l #	82
82) 4-Chlorotoluene	12.78	91	37533	2.555	ug/l	97
83) tert-Butylbenzene	13.00	119	37026	2.558	ug/l	94
84) 1,2,4-Trimethylbenzene	13.05	105	44006	2.623	ug/l	97
85) sec-Butylbenzene	13.17	105	50642	2.655	ug/l	100
86) p-Isopropyltoluene	13.30	119	43198	2.492	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	22271	2.508	ug/l	95
88) 1,4-Dichlorobenzene	13.37	146	22825	2.528	ug/l	82
89) n-Butylbenzene	13.62	91	38507	2.402	ug/l	96
90) Hexachloroethane	13.88	117	7630	2.460	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	22779	2.632	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4238	2.782	ug/l	86

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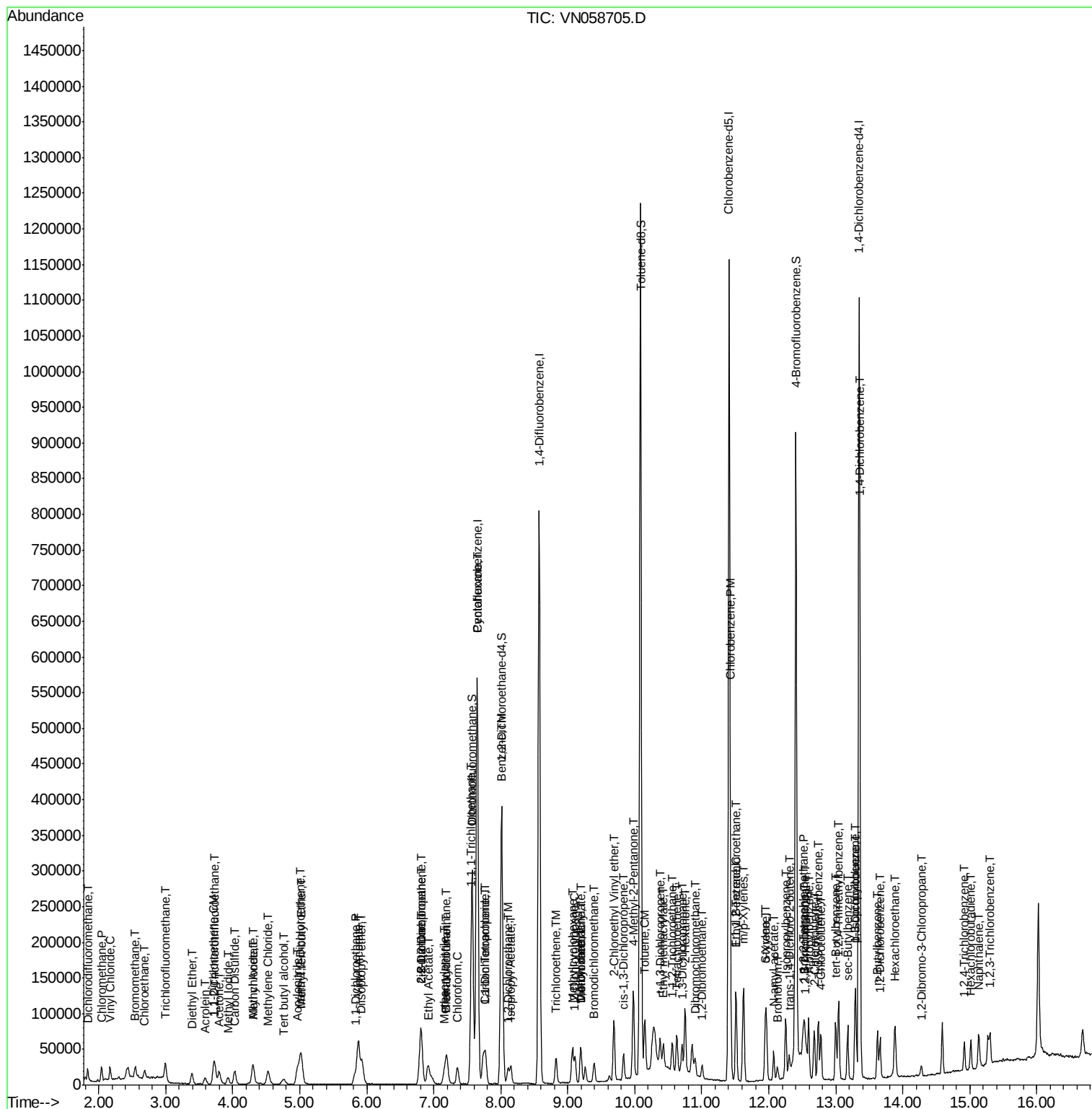
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	12535	2.375	ug/l	98
94) Hexachlorobutadiene	15.02	225	7516	2.704	ug/l	97
95) Naphthalene	15.13	128	32632	2.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	11824	2.294	ug/l	97

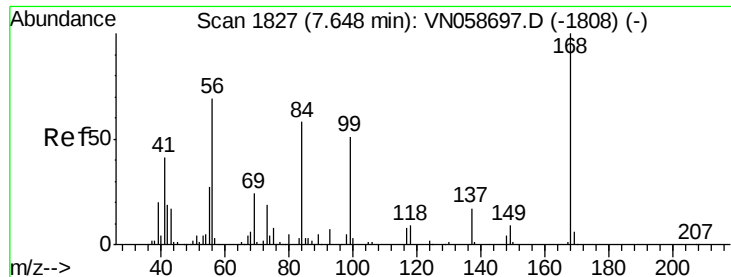
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

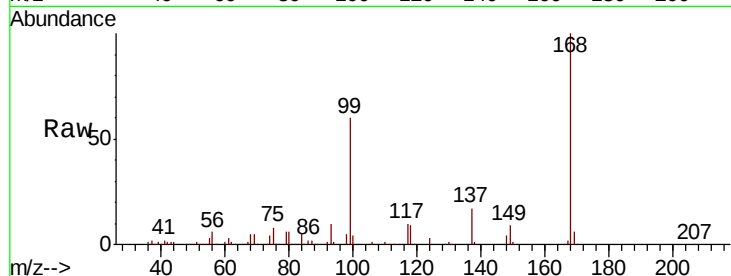
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 421115

Ion Ratio Lower Upper

168 100

99 60.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

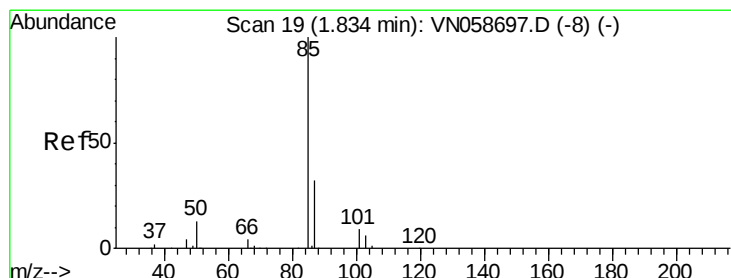
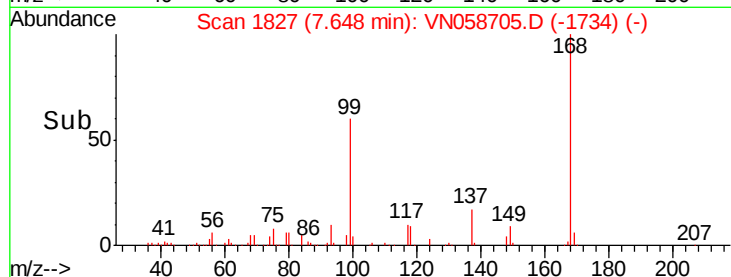
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 2.541 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058705.D

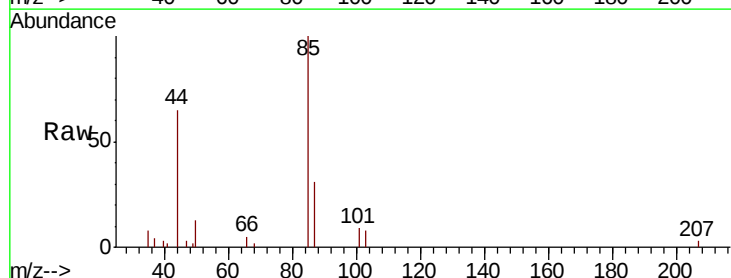
Acq: 11 Oct 2019 15:58

Tgt Ion: 85 Resp: 13325

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

10000

8000

6000

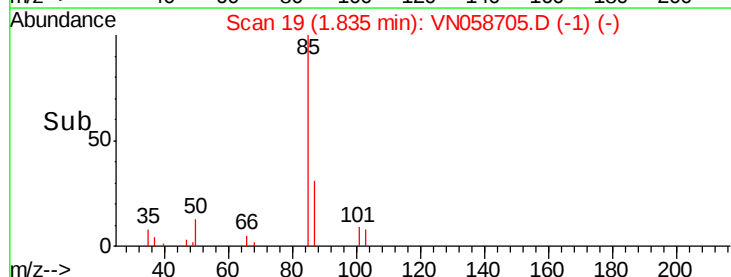
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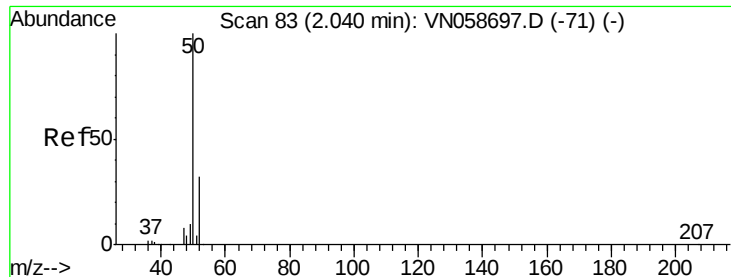
2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 2.732 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

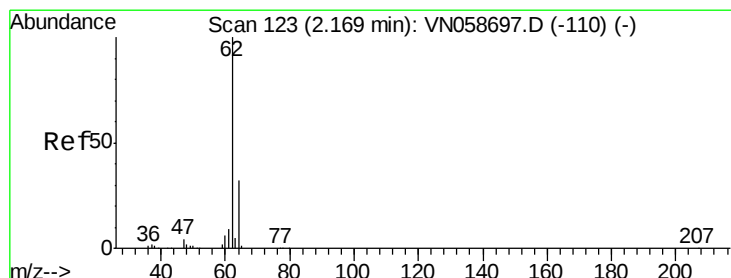
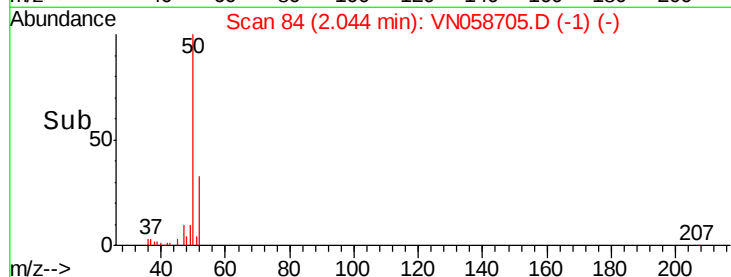
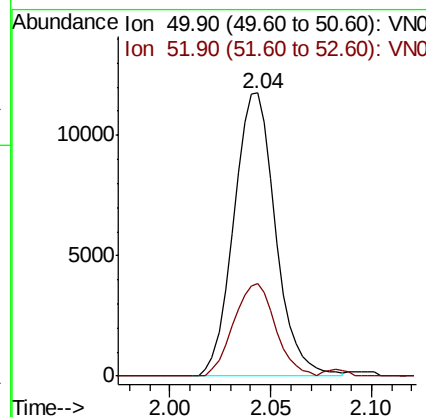
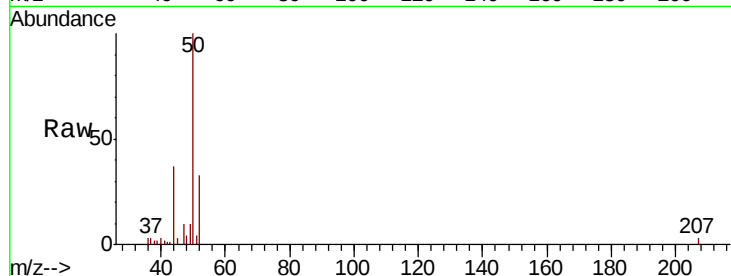
ClientSampled :

Tot Ion: 50 Resp: 17037

Ion Ratio Lower Upper

50 100

52 33.0 25.8 38.6



#4

Vinyl Chloride

Concen: 2.538 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058705.D

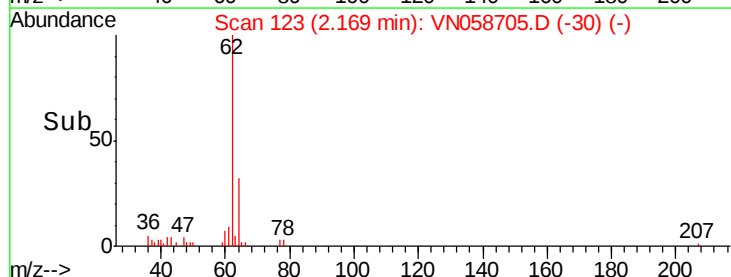
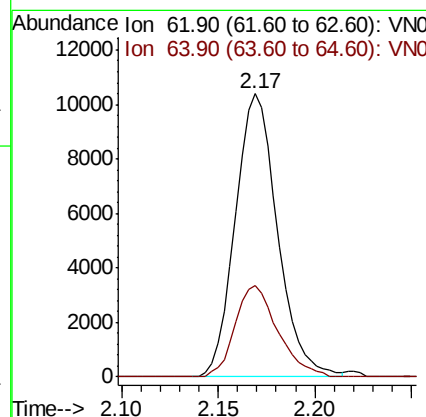
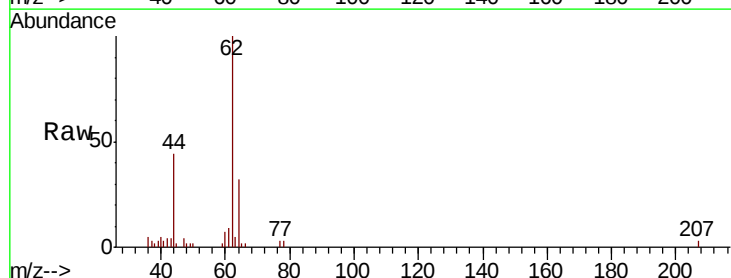
Acq: 11 Oct 2019 15:58

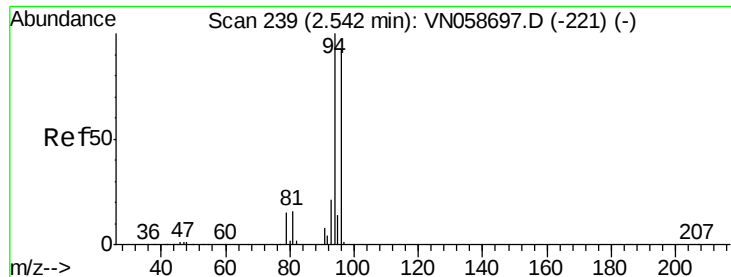
Tgt Ion: 62 Resp: 15762

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 3.106 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

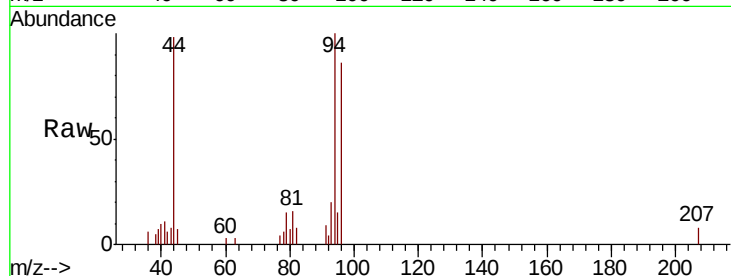
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 11735

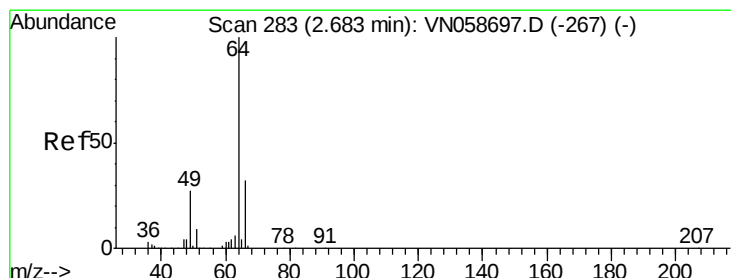
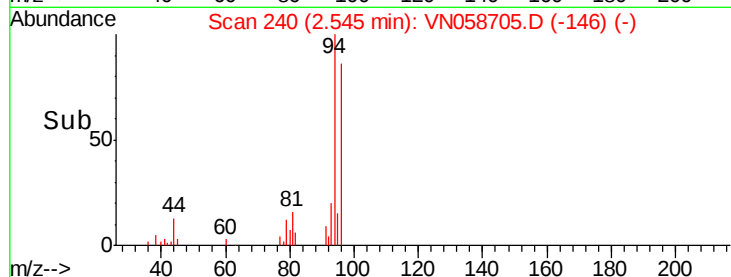
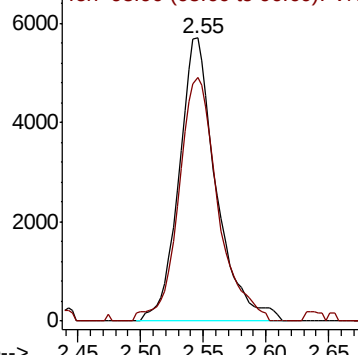
Ion Ratio Lower Upper

94 100

96 86.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VNC
Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 2.680 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058705.D

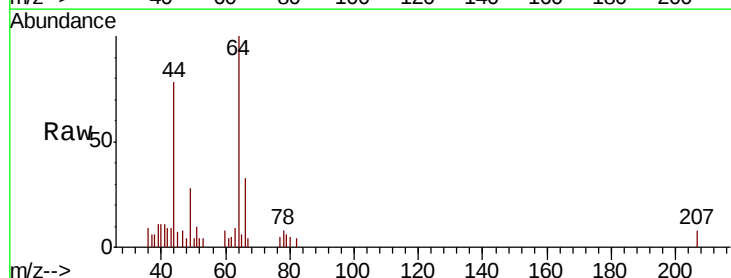
Acq: 11 Oct 2019 15:58

Tgt Ion: 64 Resp: 10270

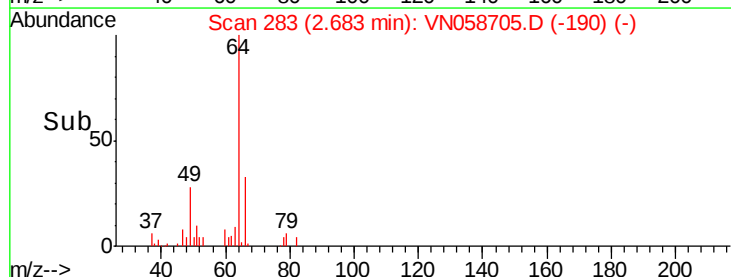
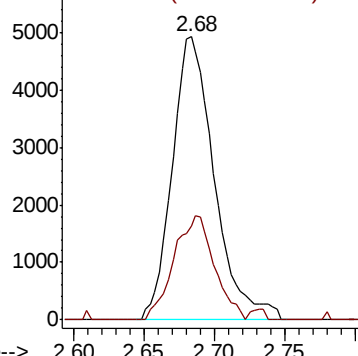
Ion Ratio Lower Upper

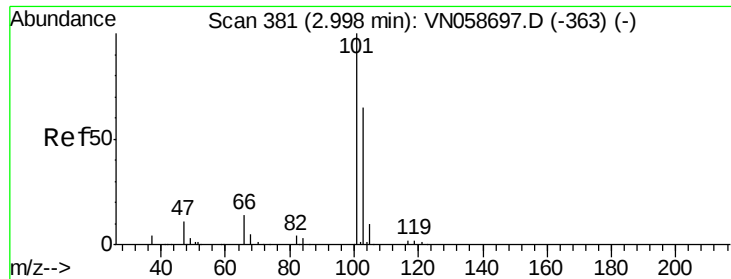
64 100

66 33.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNC
Ion 65.90 (65.60 to 66.60): VNC



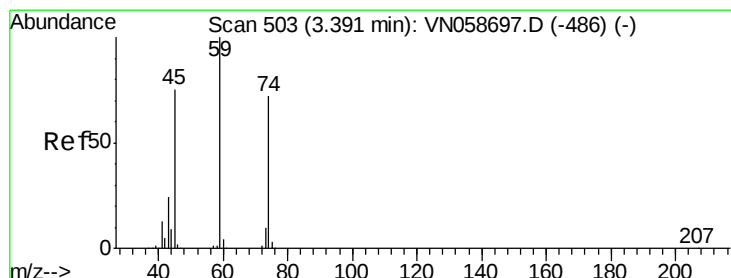
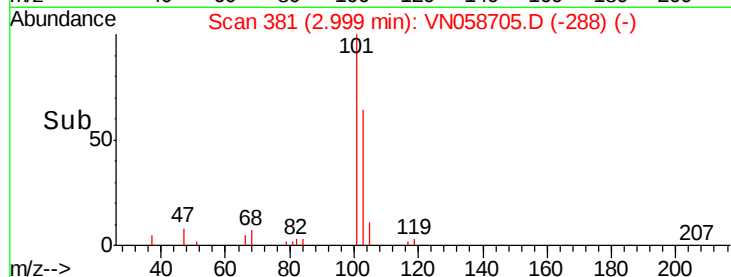
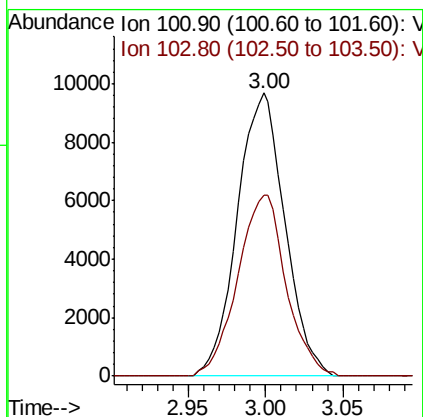
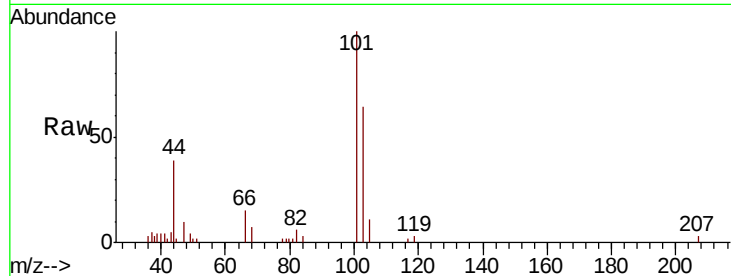


#7

Trichlorofluoromethane
 Concen: 2.789 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Instrument :
 MSVOA_N
 ClientSampled :

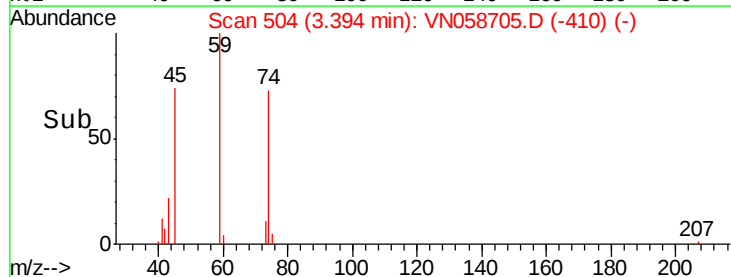
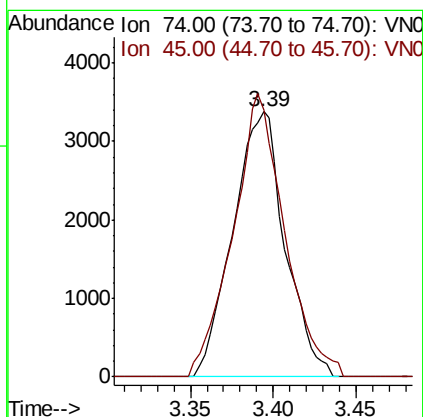
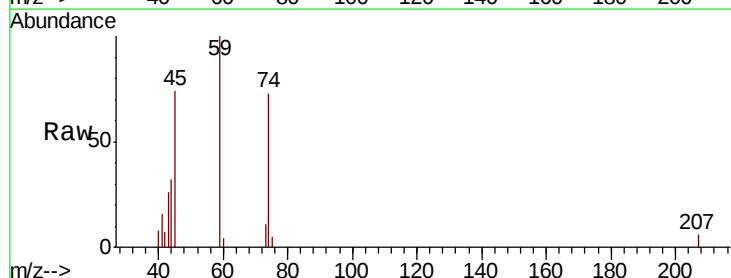
Tot Ion:101 Resp: 20731
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.8 77.6

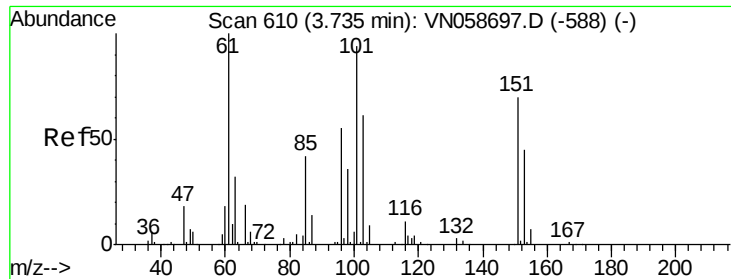


#8

Diethyl Ether
 Concen: 2.697 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Tgt Ion: 74 Resp: 7409
 Ion Ratio Lower Upper
 74 100
 45 105.4 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.567 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

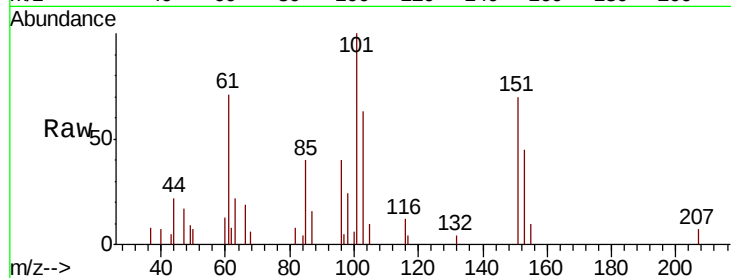
Tot Ion:101 Resp: 10881

Ion Ratio Lower Upper

101 100

85 23.6 37.0 55.6#

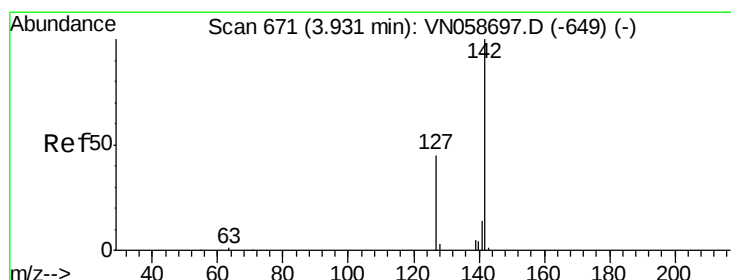
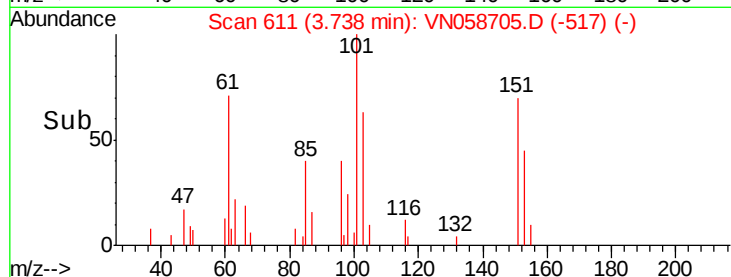
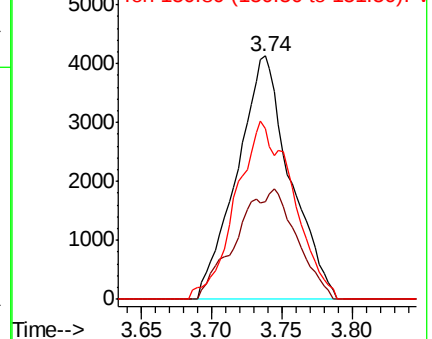
151 78.9 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.335 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

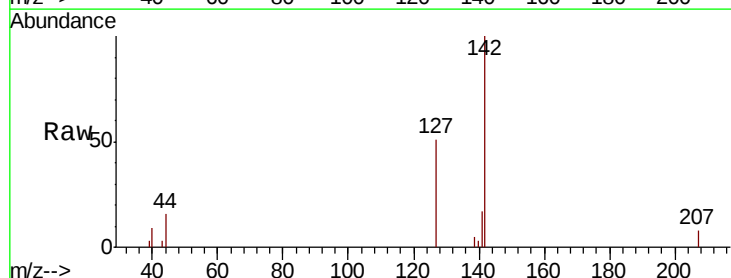
Tgt Ion:142 Resp: 13505

Ion Ratio Lower Upper

142 100

127 47.5 36.4 54.6

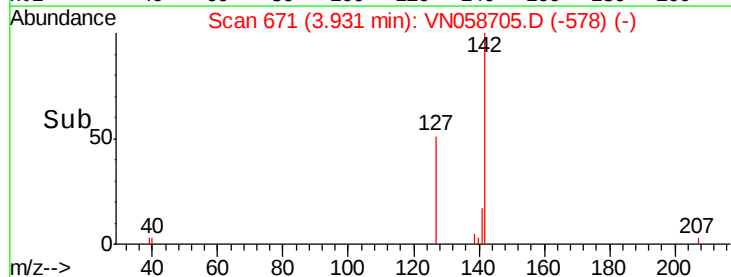
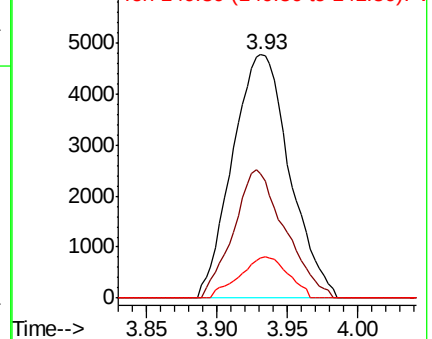
141 14.4 11.1 16.7

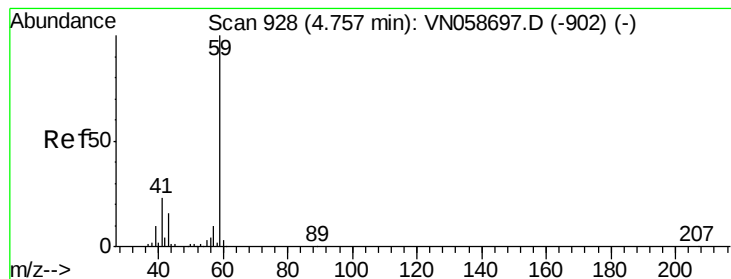


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



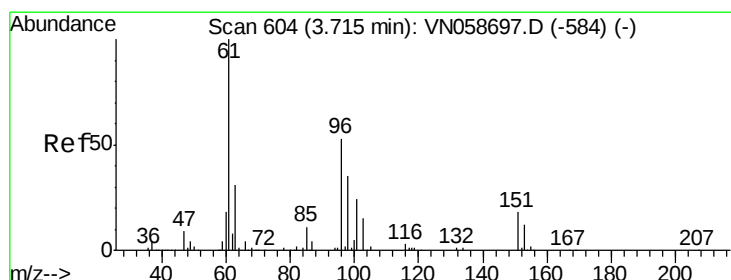
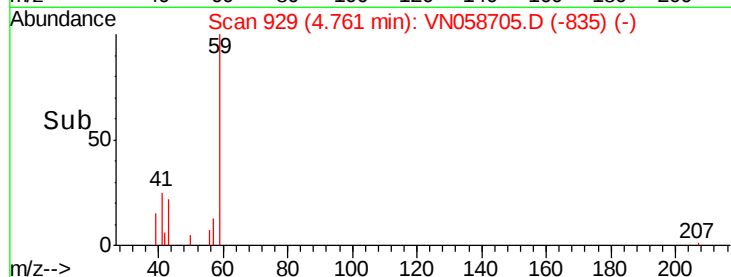
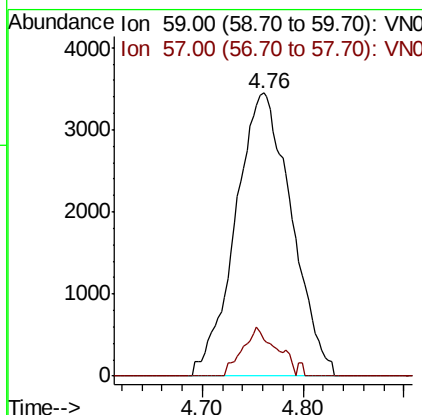
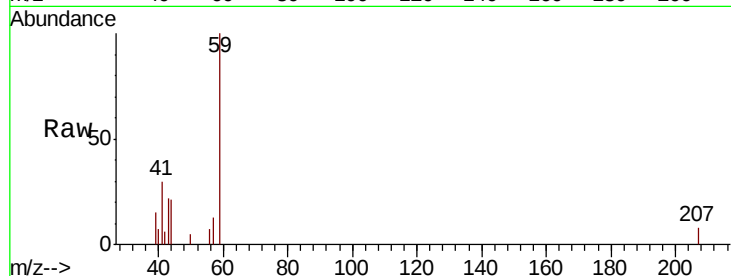


#11

Tert butyl alcohol
 Concen: 13.898 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :

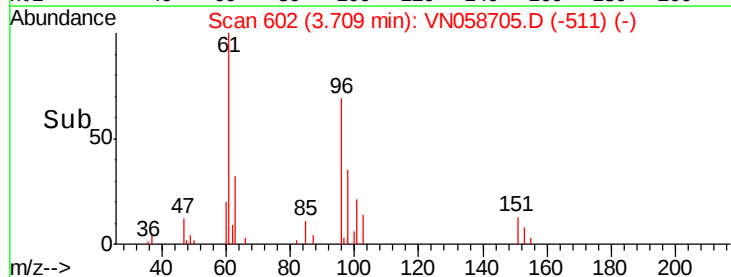
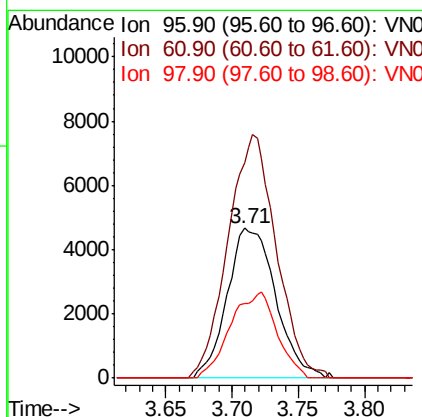
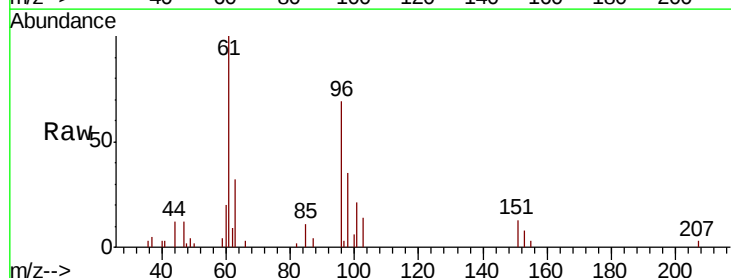
Tot Ion: 59 Resp: 13270
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

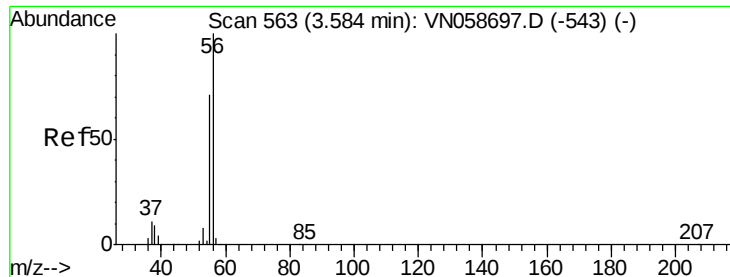


#12

1,1-Dichloroethene
 Concen: 2.937 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Tgt Ion: 96 Resp: 11878
 Ion Ratio Lower Upper
 96 100
 61 144.3 151.3 226.9#
 98 50.0 52.6 78.8#





#13

Acrolein

Concen: 12.480 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

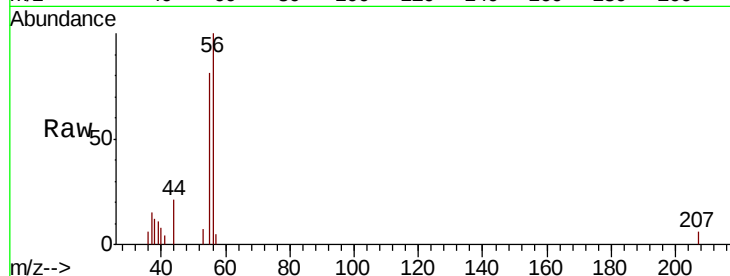
ClientSampleId :

Tot Ion: 56 Resp: 9583

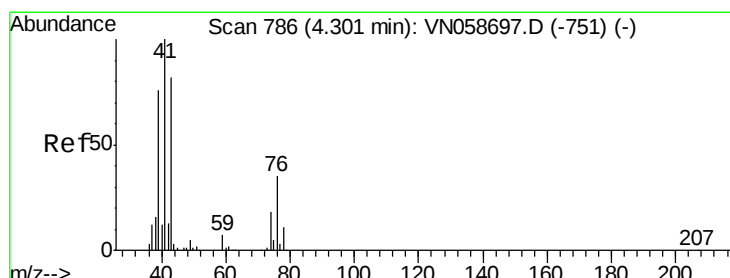
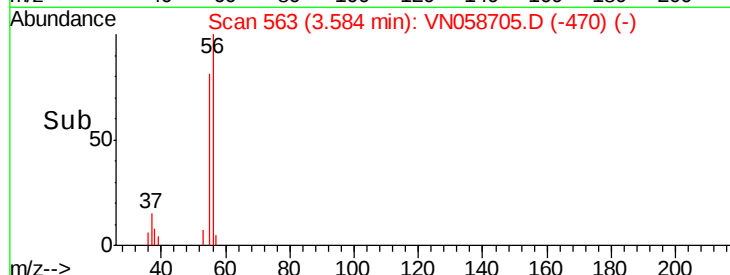
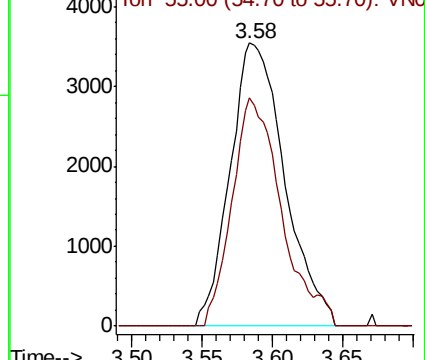
Ion Ratio Lower Upper

56 100

55 72.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN058705.D (-470) (-)



#14

Allyl chloride

Concen: 2.612 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

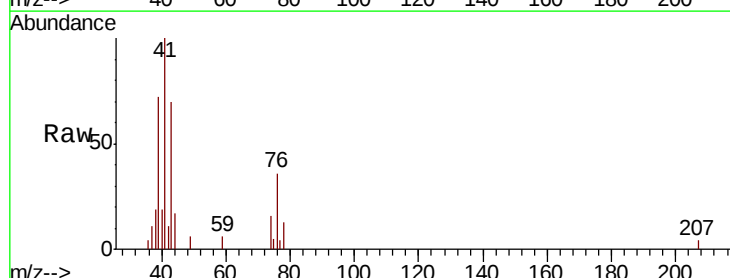
Tgt Ion: 41 Resp: 21319

Ion Ratio Lower Upper

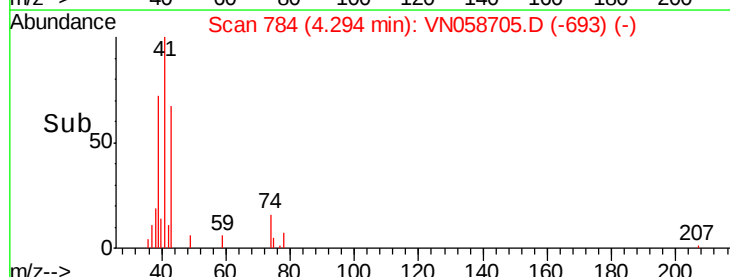
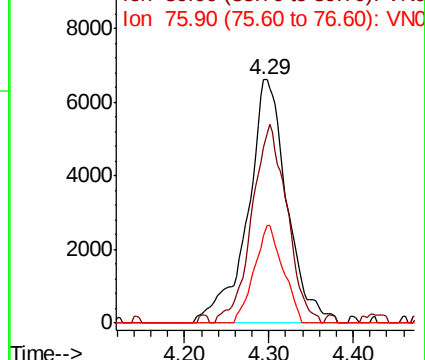
41 100

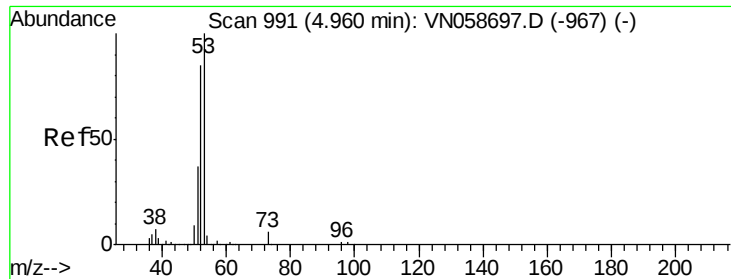
39 72.9 57.2 85.8

76 29.3 25.0 37.6



Abundance Ion 41.00 (40.70 to 41.70): VN058705.D (-693) (-)





#15

Acrylonitrile

Concen: 12.691 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

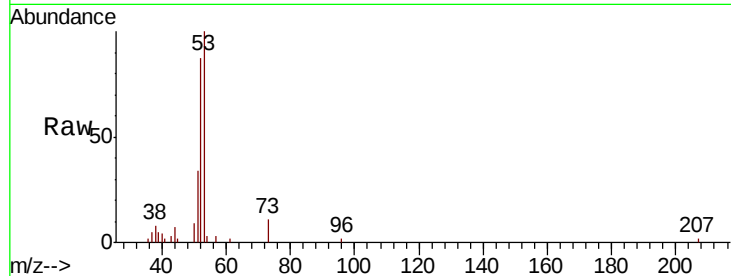
Tot Ion: 53 Resp: 30559

Ion Ratio Lower Upper

53 100

52 85.6 66.2 99.2

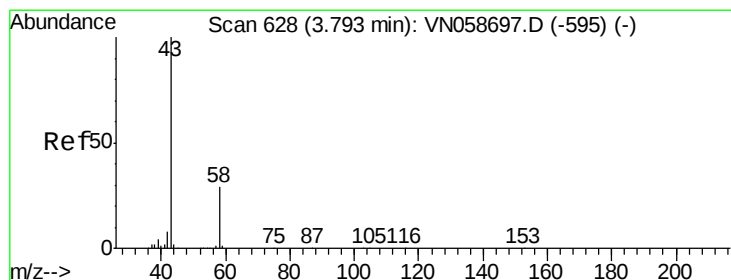
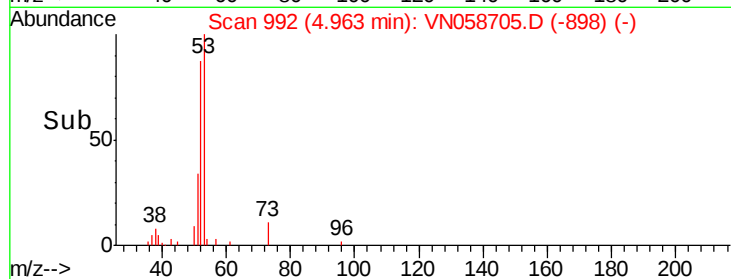
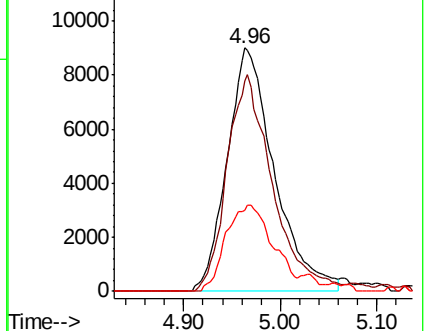
51 35.2 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN058705.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058705.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058705.D (-967) (-)



#16

Acetone

Concen: 12.188 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058705.D

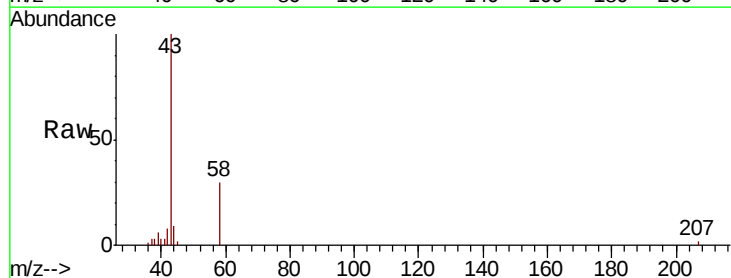
Acq: 11 Oct 2019 15:58

Tgt Ion: 43 Resp: 29748

Ion Ratio Lower Upper

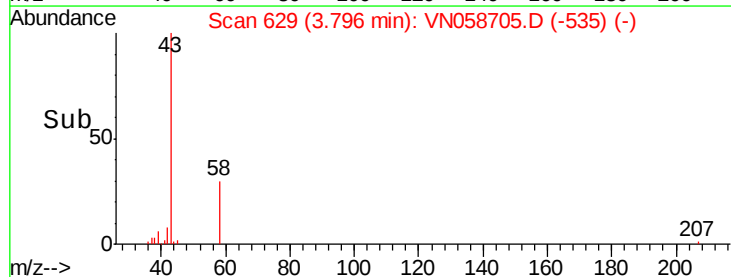
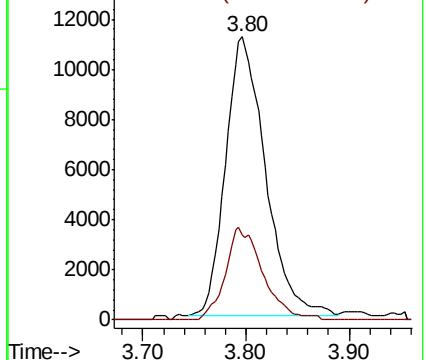
43 100

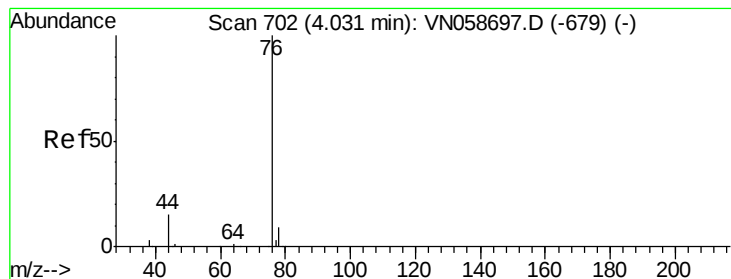
58 30.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058705.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN058705.D (-595) (-)





#17

Carbon Disulfide

Concen: 2.687 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

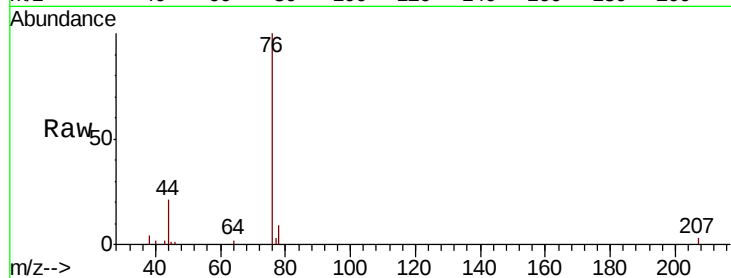
ClientSampled :

Tot Ion: 76 Resp: 34737

Ion Ratio Lower Upper

76 100

78 9.1 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

15000

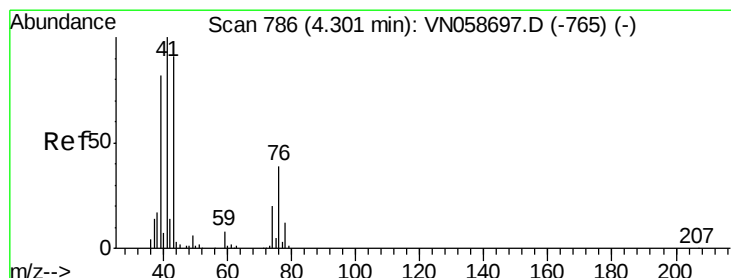
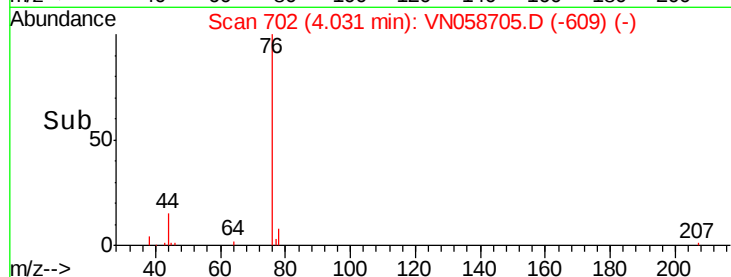
10000

5000

0

Time-->

3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 2.772 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058705.D

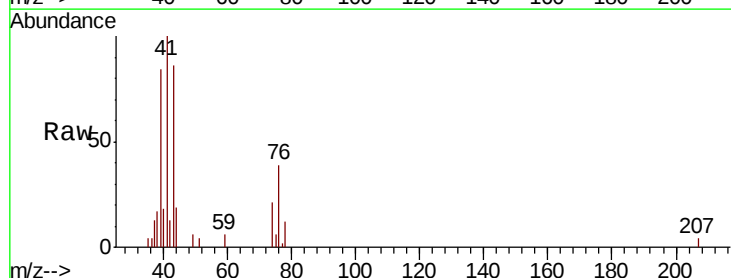
Acq: 11 Oct 2019 15:58

Tgt Ion: 43 Resp: 17164

Ion Ratio Lower Upper

43 100

74 12.9 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

6000

5000

4000

3000

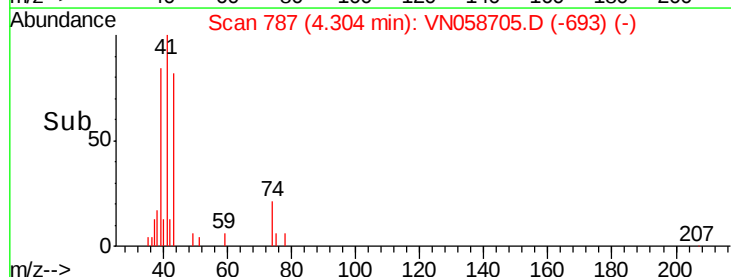
2000

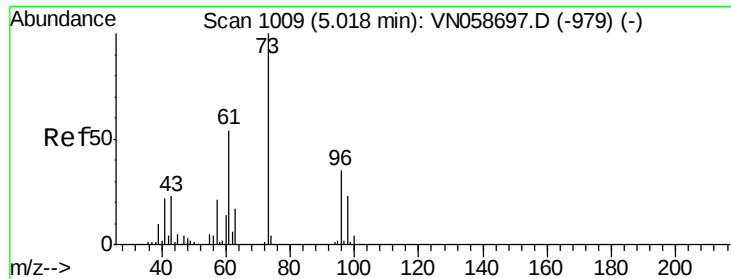
1000

0

Time-->

4.20 4.30 4.40

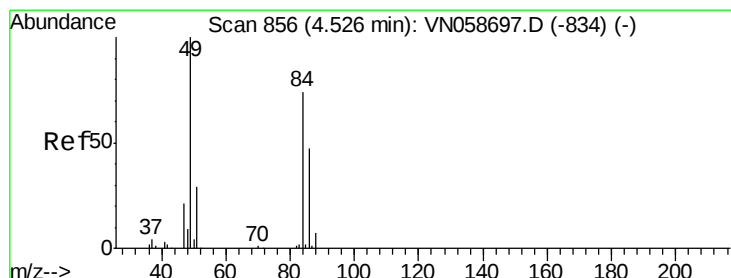
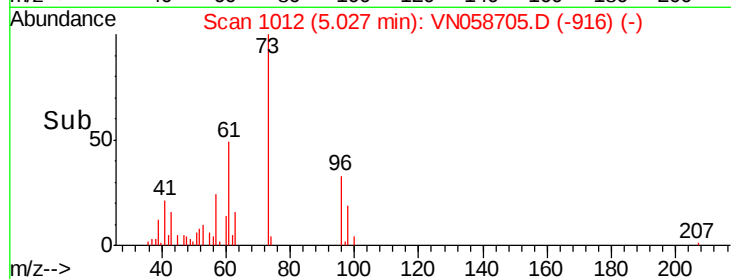
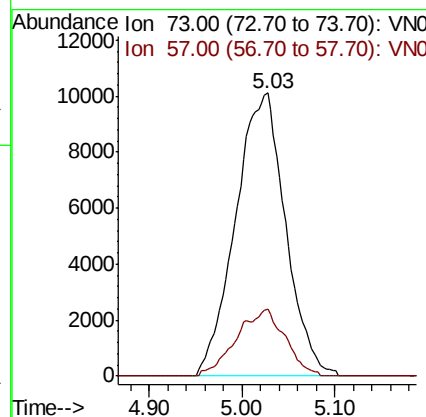
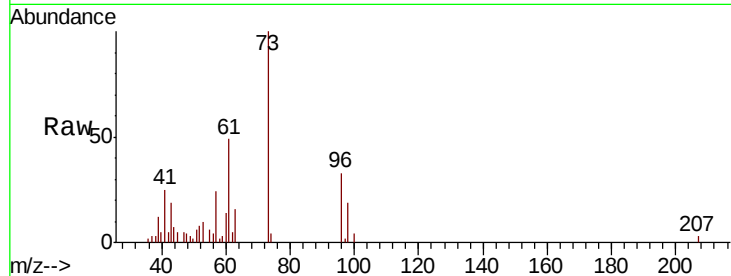




#19
Methvl tert-butvl Ether
Concen: 2.626 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

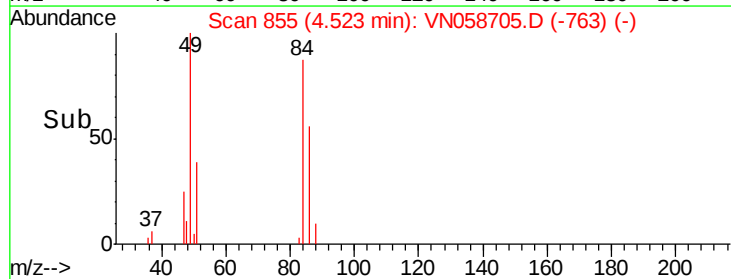
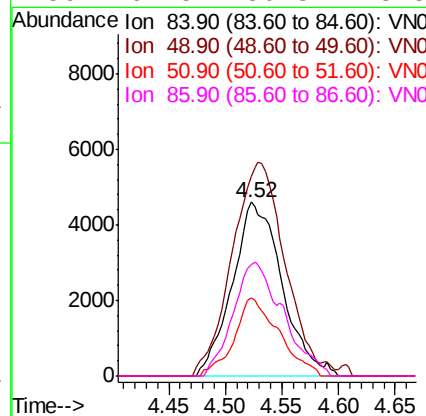
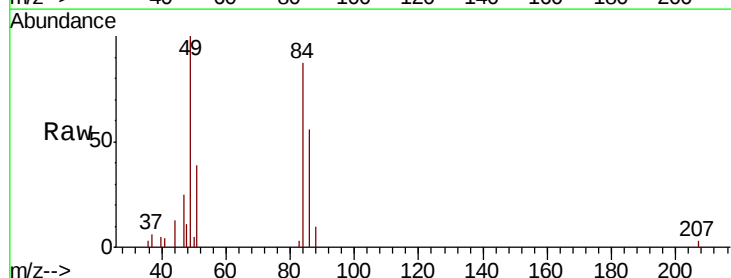
Instrument :
MSVOA_N
ClientSampleId :

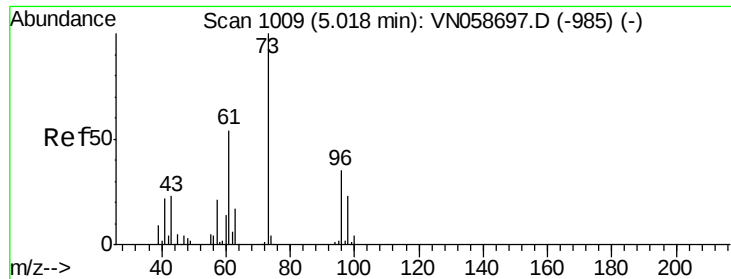
Tot Ion: 73 Resp: 37920
Ion Ratio Lower Upper
73 100
57 23.6 17.0 25.6



#20
Methylene Chloride
Concen: 2.765 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion: 84 Resp: 14106
Ion Ratio Lower Upper
84 100
49 115.5 107.6 161.4
51 45.2 31.4 47.0
86 64.5 50.3 75.5

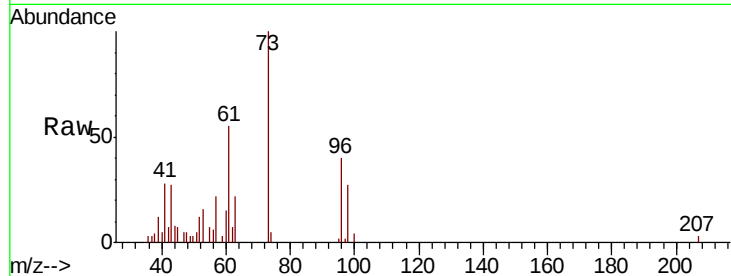




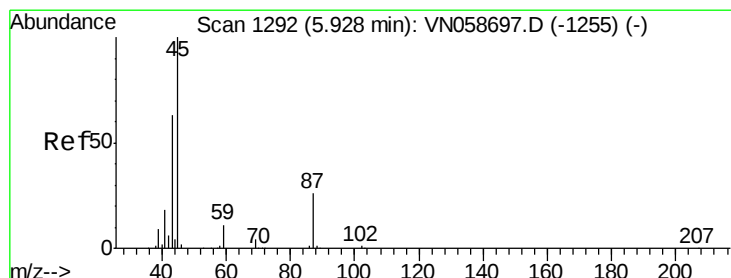
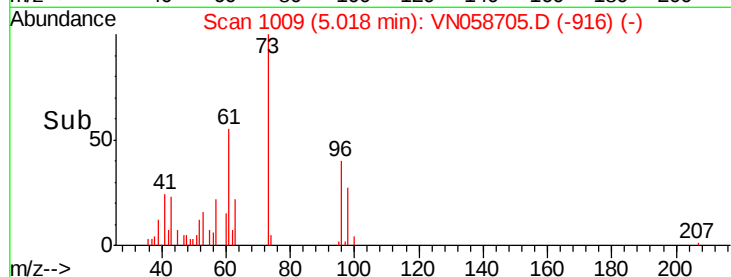
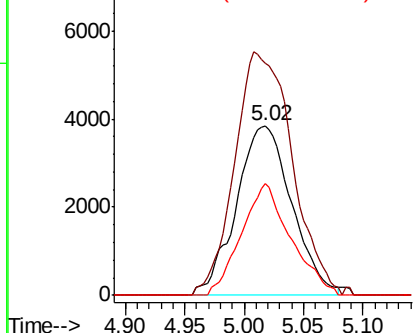
#21
trans-1,2-Dichloroethene
Concen: 2.752 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 12448
Ion Ratio Lower Upper
96 100
61 137.1 123.6 185.4
98 66.1 52.1 78.1

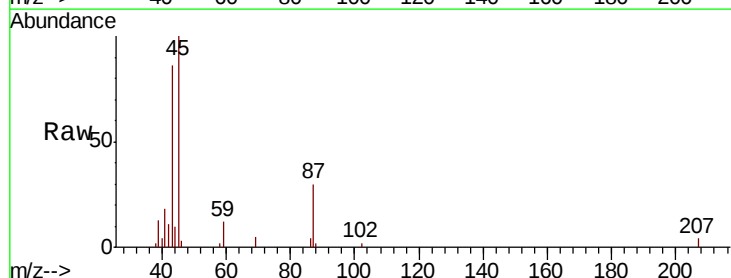


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

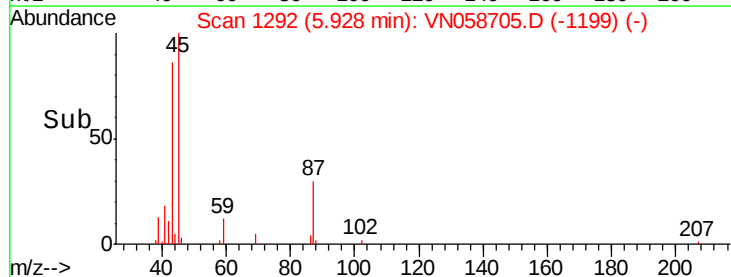
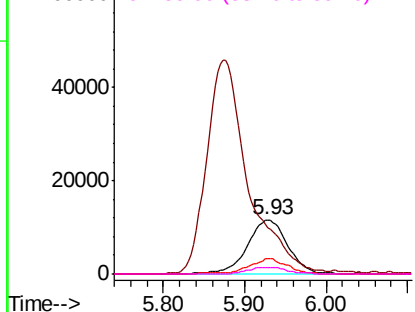


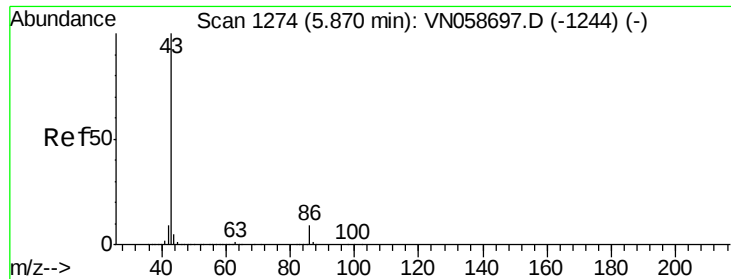
#22
Diisopropyl ether
Concen: 2.503 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion: 45 Resp: 39714
Ion Ratio Lower Upper
45 100
43 80.4 50.6 75.8#
87 29.6 21.1 31.7
59 11.8 9.0 13.4



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





#23

Vinyl Acetate

Concen: 12.786 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

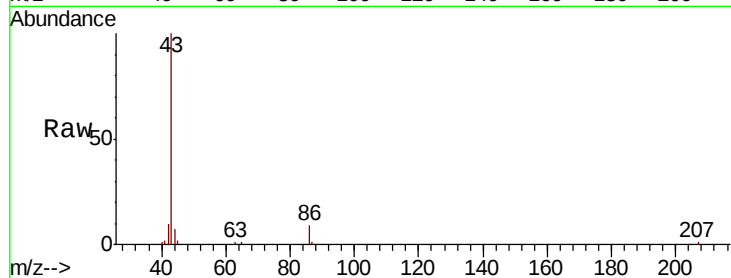
ClientSampled :

Tot Ion: 43 Resp: 163723

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.0

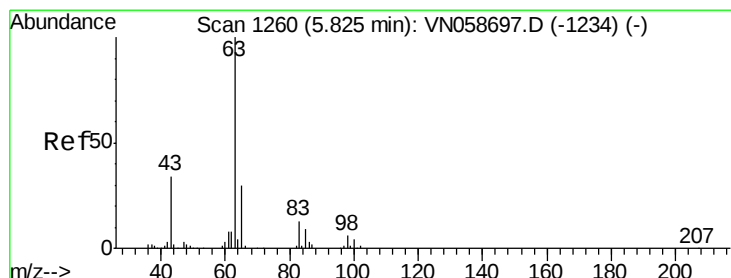
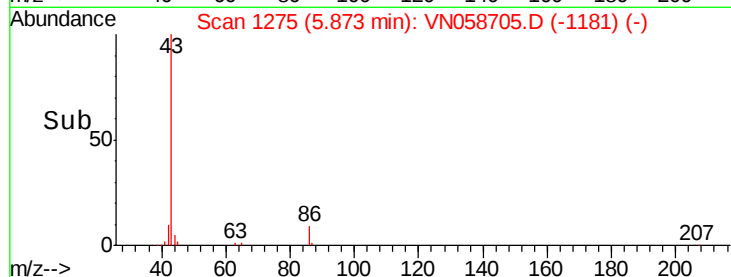


Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1244) (-)

Ion 86.00 (85.70 to 86.70): VN058697.D (-1244) (-)

5.87

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 2.593 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

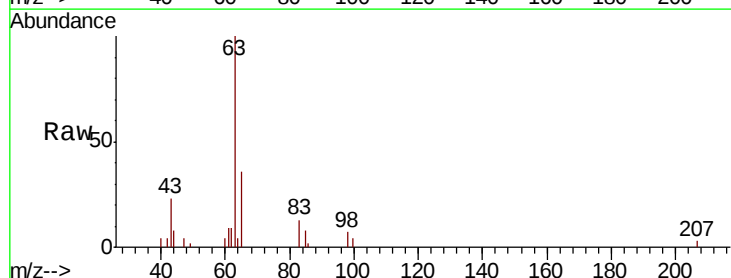
Tgt Ion: 63 Resp: 23431

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.6

100 4.2 1.8 5.5



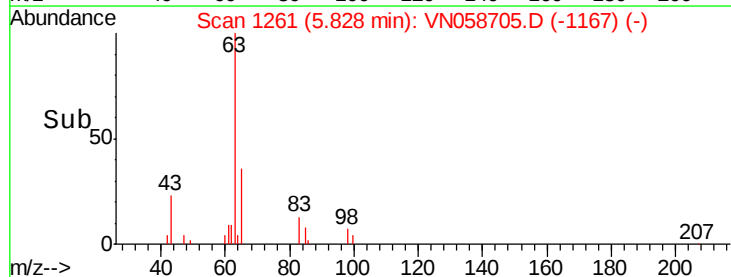
Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-1234) (-)

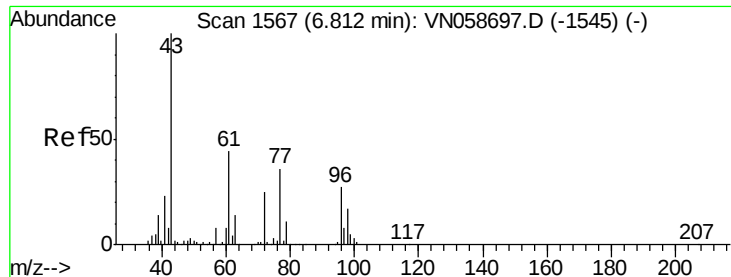
Ion 97.90 (97.60 to 98.60): VN058697.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058697.D (-1234) (-)

5.83

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 12.200 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

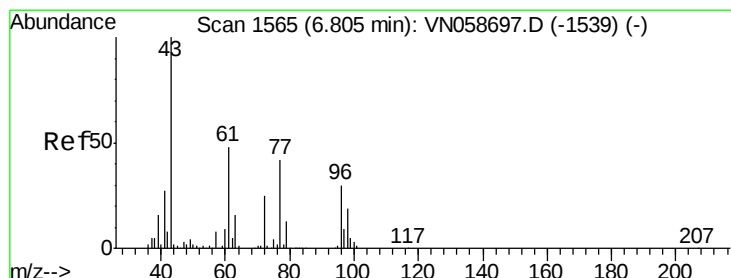
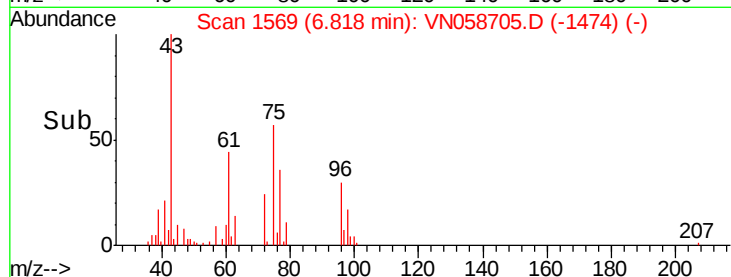
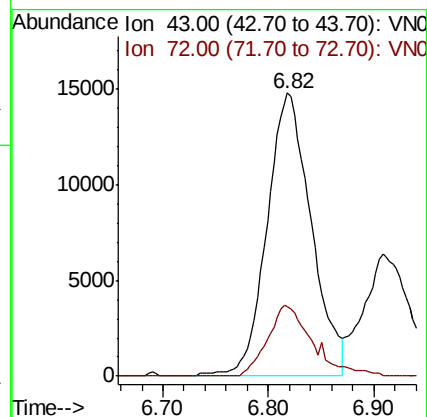
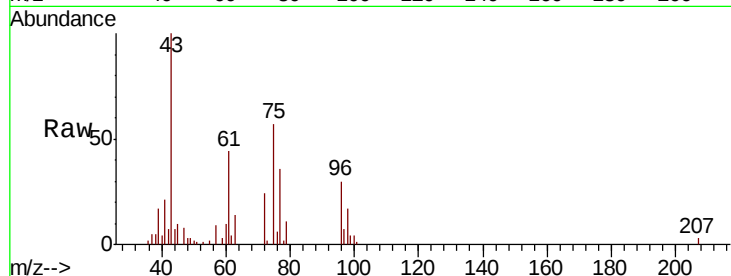
ClientSampled :

Tot Ion: 43 Resp: 43040

Ion Ratio Lower Upper

43 100

72 24.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 2.664 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058705.D

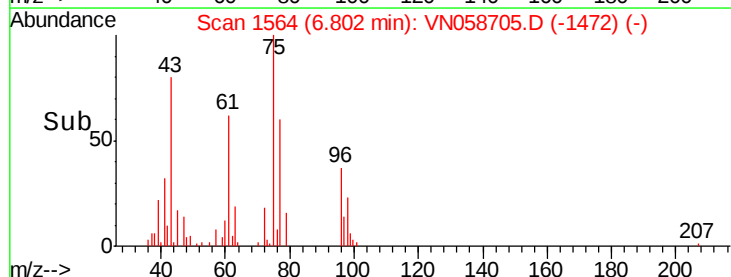
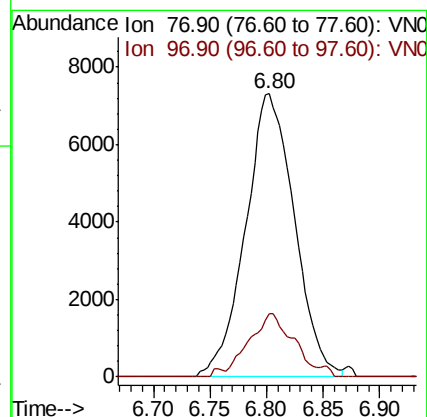
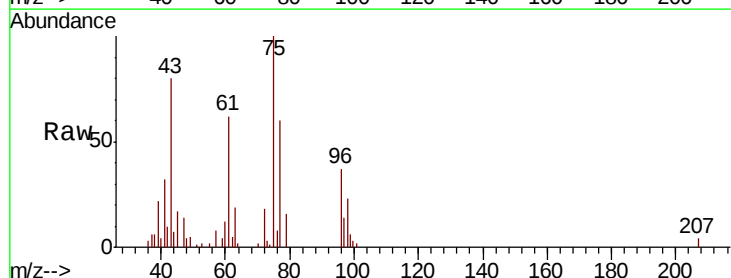
Acq: 11 Oct 2019 15:58

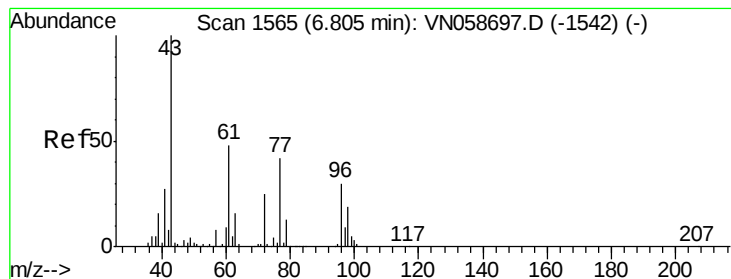
Tgt Ion: 77 Resp: 21978

Ion Ratio Lower Upper

77 100

97 20.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 2.656 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

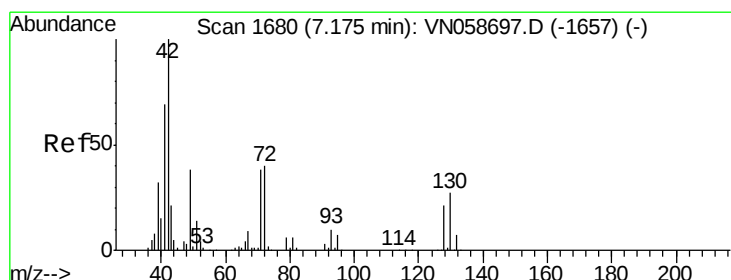
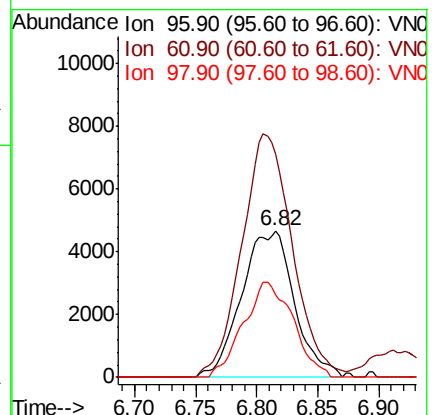
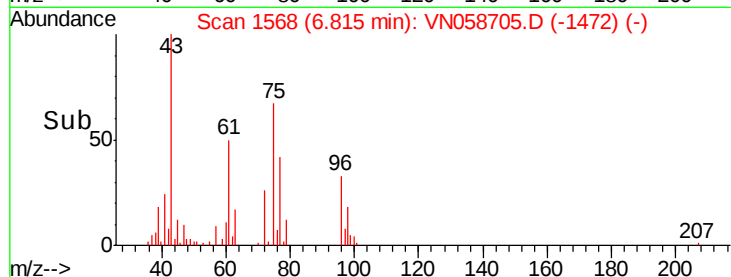
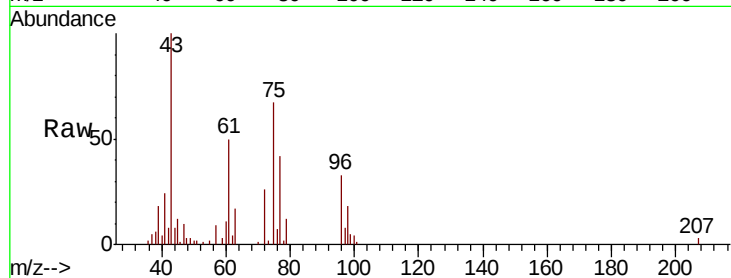
Tot Ion: 96 Resp: 14012

Ion Ratio Lower Upper

96 100

61 159.1 0.0 324.8

98 61.2 0.0 129.2



#28

Bromochloromethane

Concen: 1.293 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

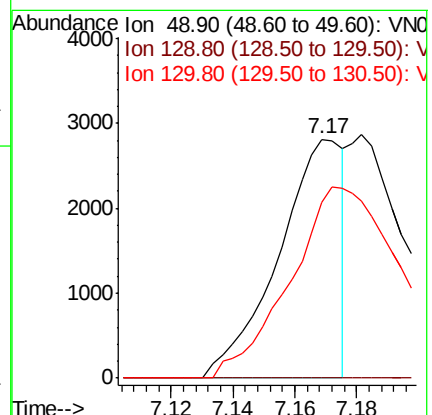
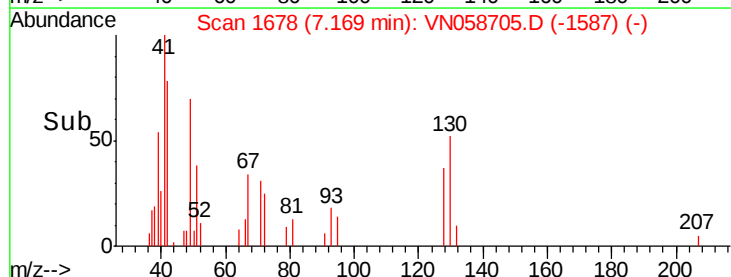
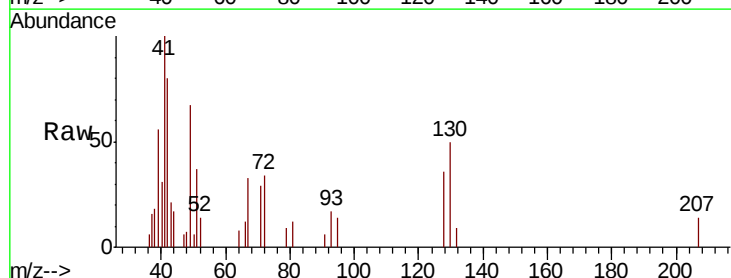
Tgt Ion: 49 Resp: 4064

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 137.8 55.0 82.4#

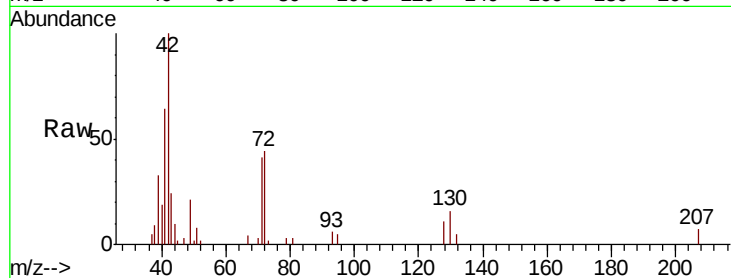




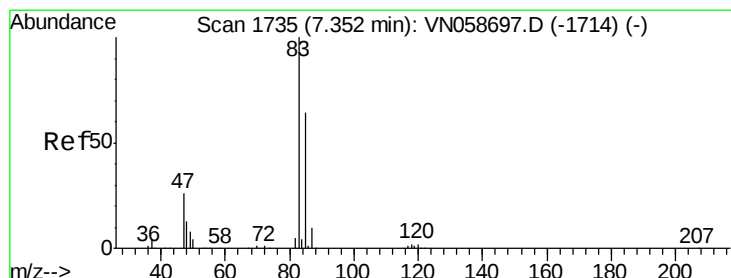
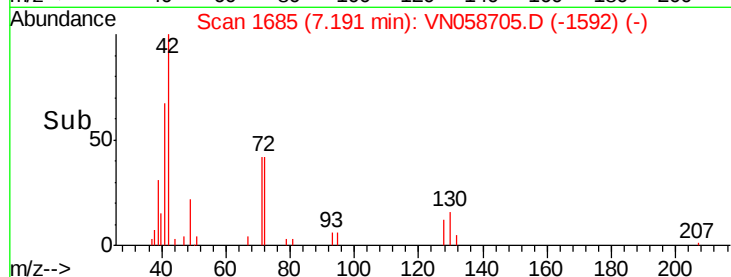
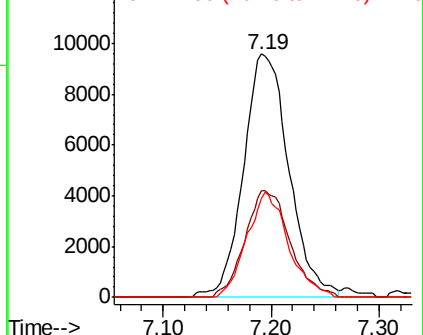
#29
Tetrahydrofuran
Concen: 12.313 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 28070
Ion Ratio Lower Upper
42 100
72 43.5 32.8 49.2
71 39.5 31.1 46.7

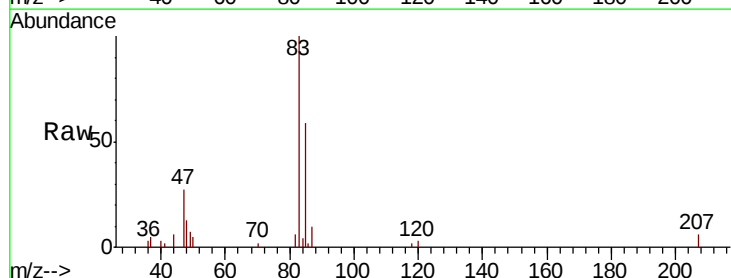


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

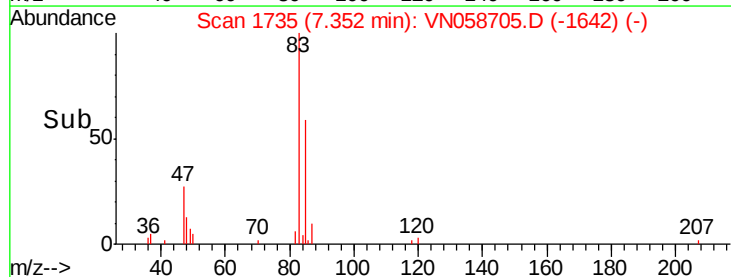
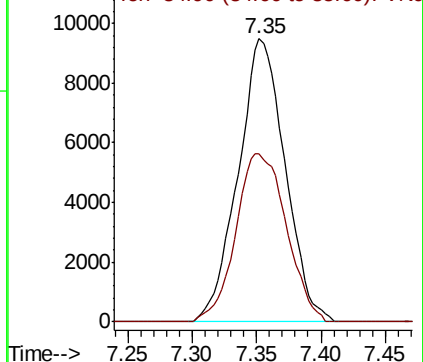


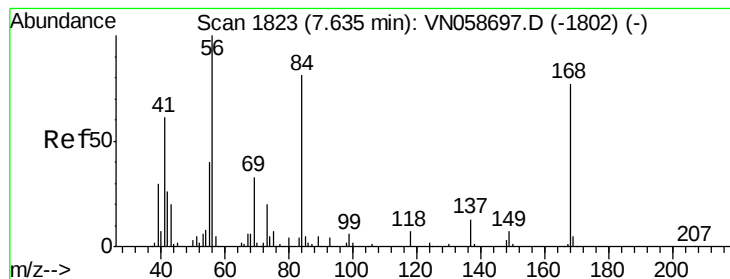
#30
Chloroform
Concen: 2.653 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion: 83 Resp: 24092
Ion Ratio Lower Upper
83 100
85 59.3 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: 3.559 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

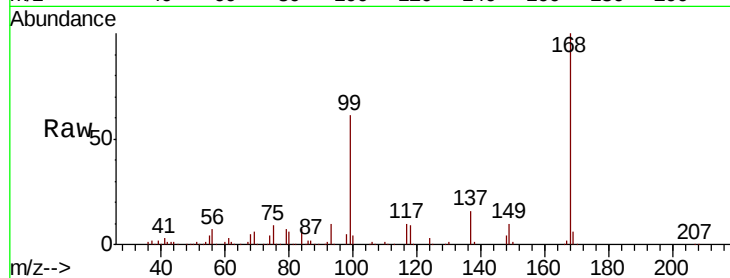
Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 30774

Ion	Ratio	Lower	Upper
56	100		
69	78.4	26.2	39.4#
84	93.4	64.9	97.3

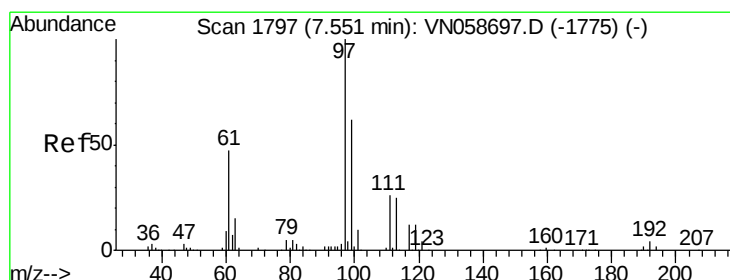
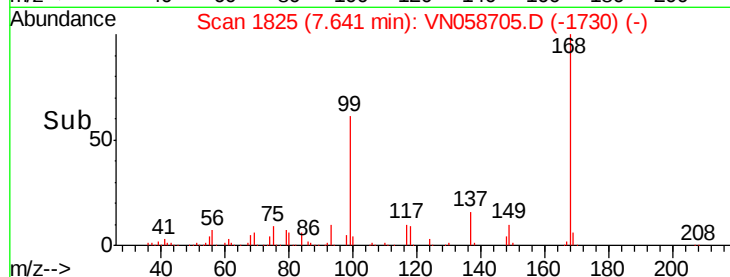
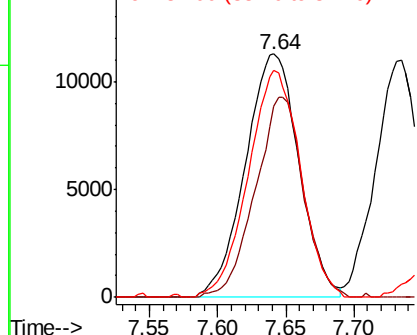


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 2.629 ug/l

RT: 7.55 min Scan# 1796

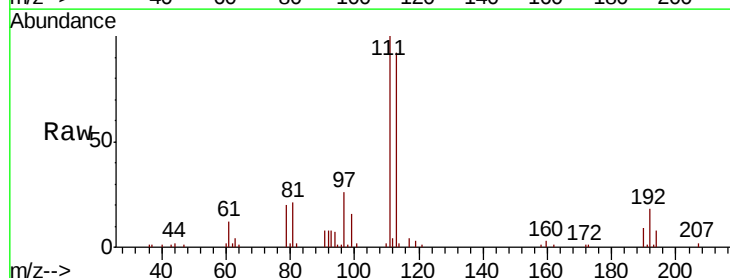
Delta R.T. -0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Tgt Ion: 97 Resp: 20361

Ion	Ratio	Lower	Upper
97	100		
61	62.7	50.8	76.2
111	48.2	38.1	57.1

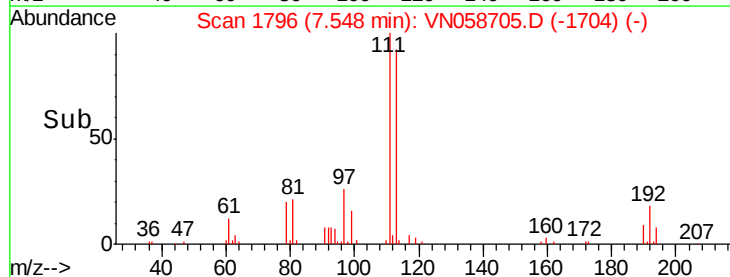
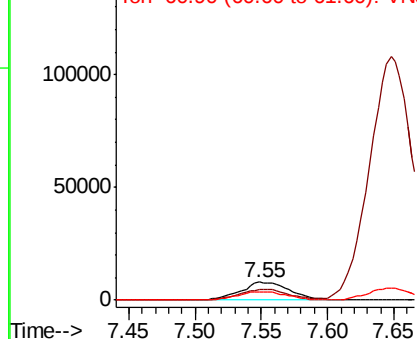


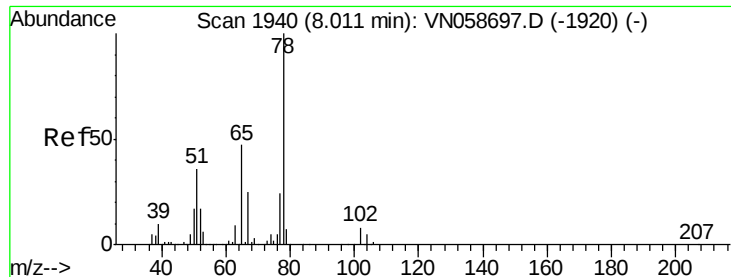
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

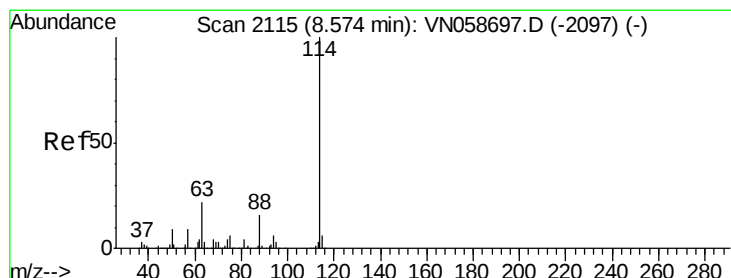
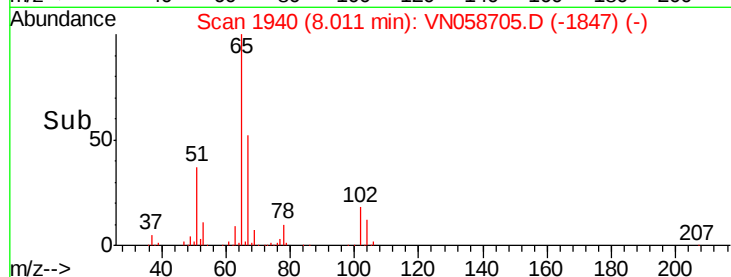
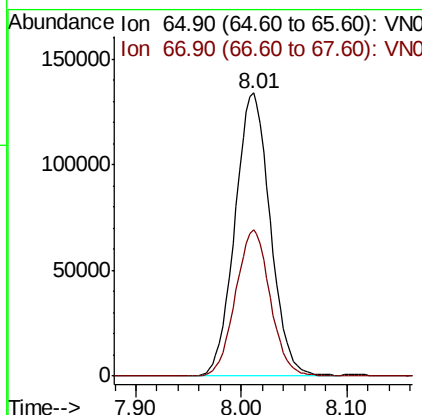
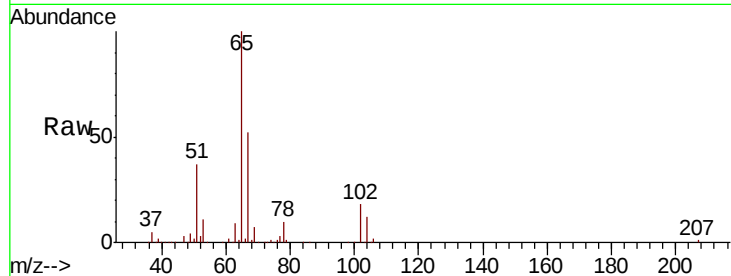




#33
 1,2-Dichloroethane-d4
 Concen: 52.731 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

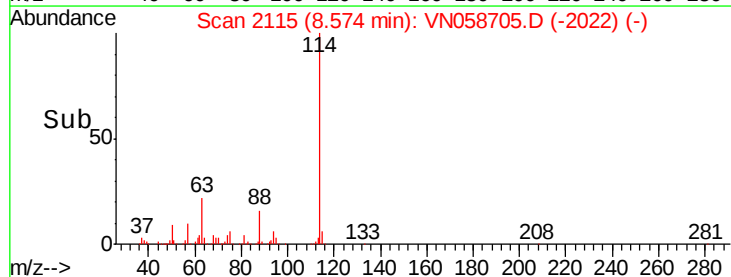
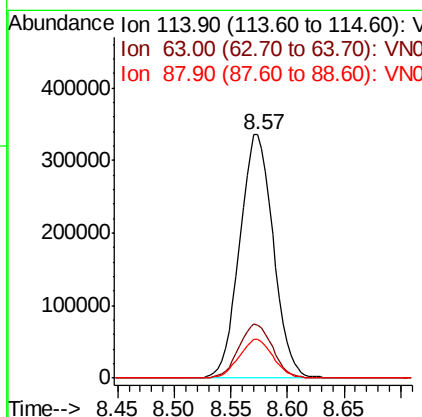
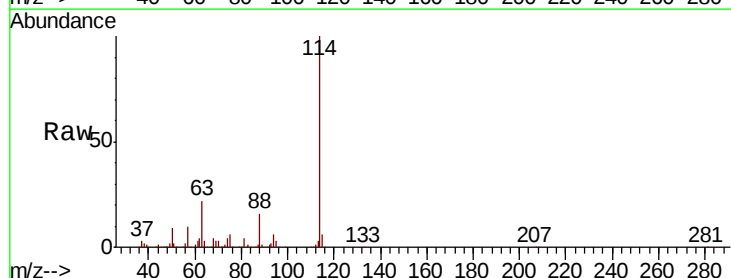
Instrument :
 MSVOA_N
 ClientSampleId :

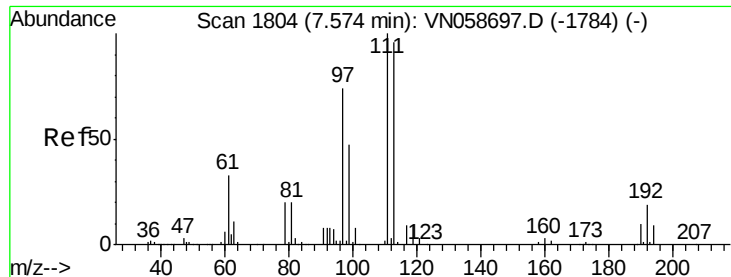
Tot Ion: 65 Resp: 310877
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Tgt Ion: 114 Resp: 694830
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.1 0.0 32.0

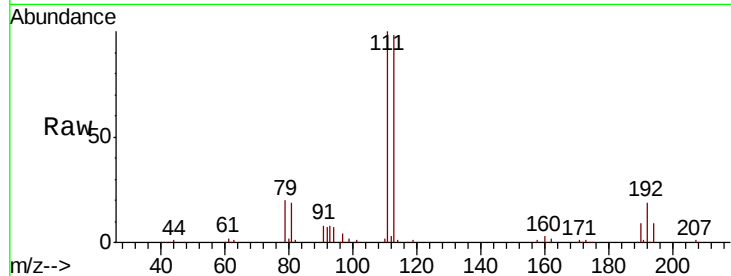




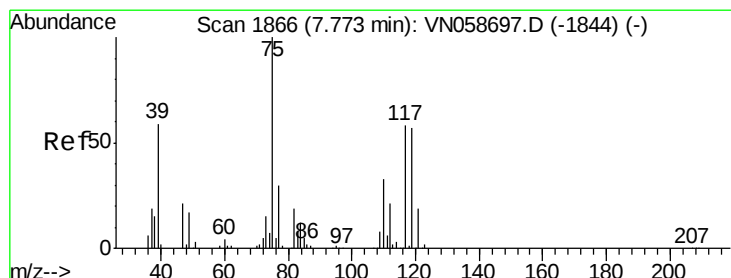
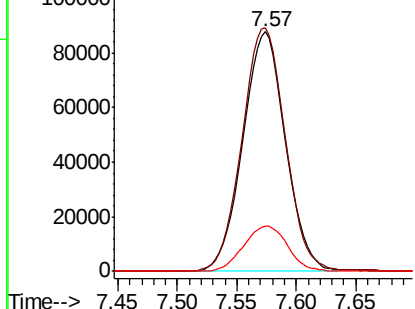
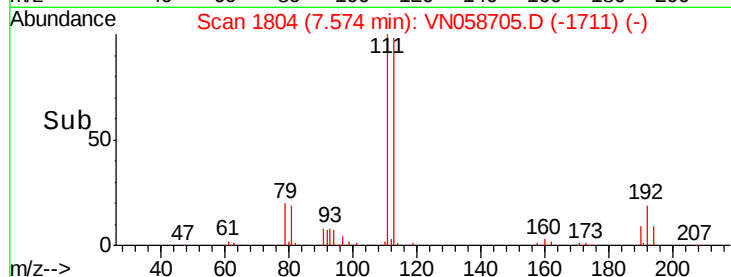
#35
 Dibromofluoromethane
 Concen: 50.647 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.3	123.5
192	19.5	15.0	22.6

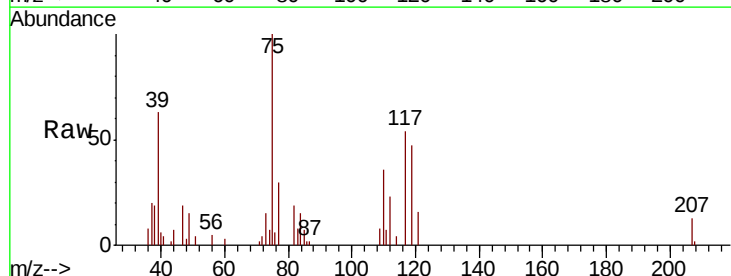


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

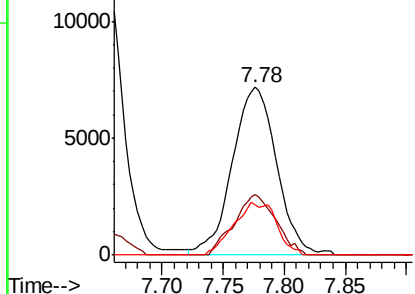
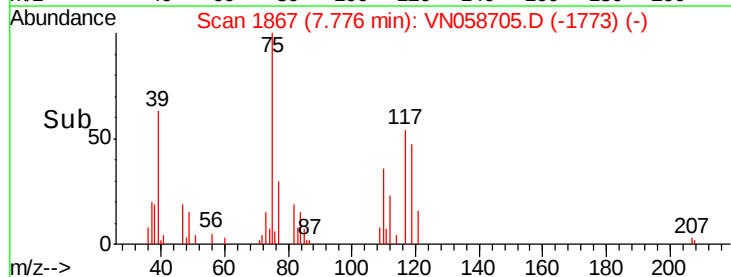


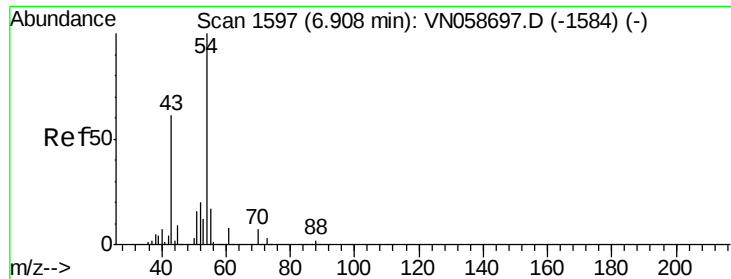
#36
 1,1-Dichloropropene
 Concen: 2.578 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.6	49.8
77	30.1	24.6	37.0



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

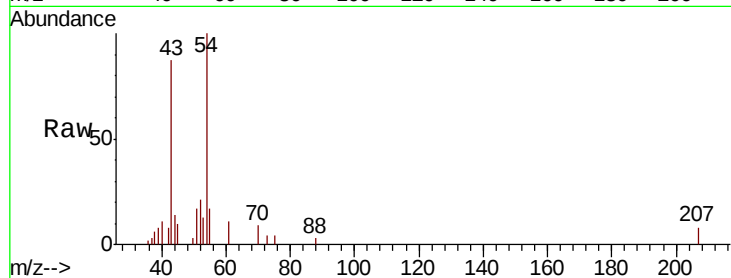




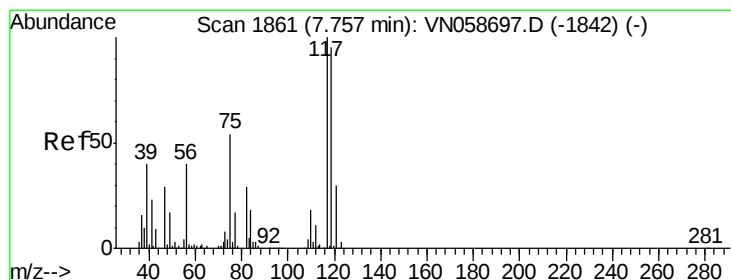
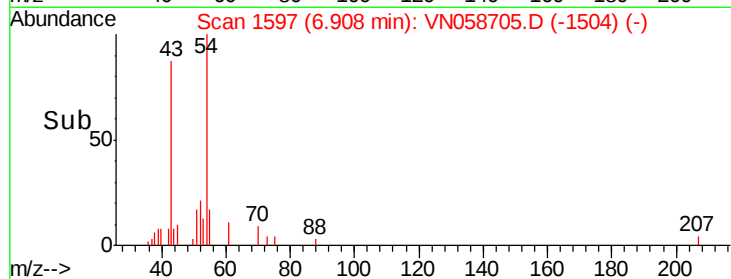
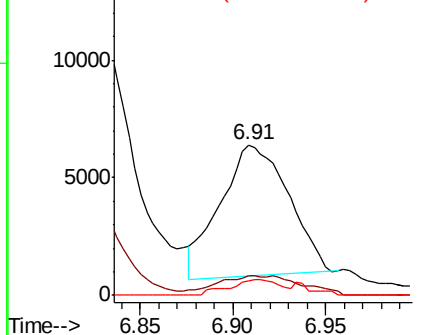
#37
Ethyl Acetate
Concen: 2.011 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 14291
Ion Ratio Lower Upper
43 100
61 7.3 11.3 16.9#
70 8.9 7.2 10.8

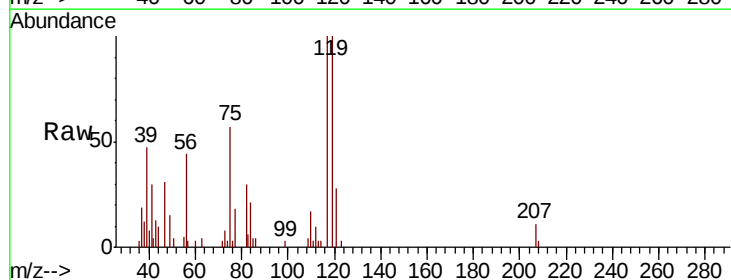


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

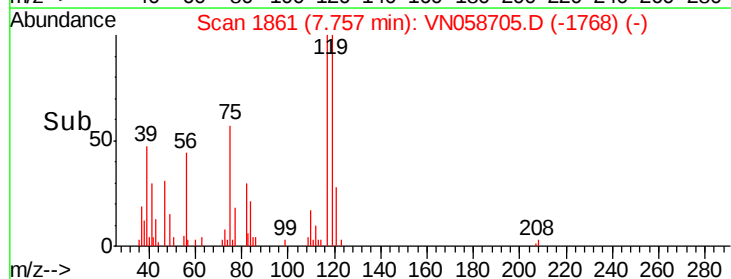
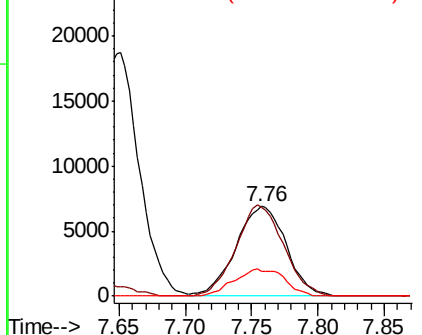


#38
Carbon Tetrachloride
Concen: 2.657 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion: 117 Resp: 18195
Ion Ratio Lower Upper
117 100
119 99.7 75.7 113.5
121 28.3 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

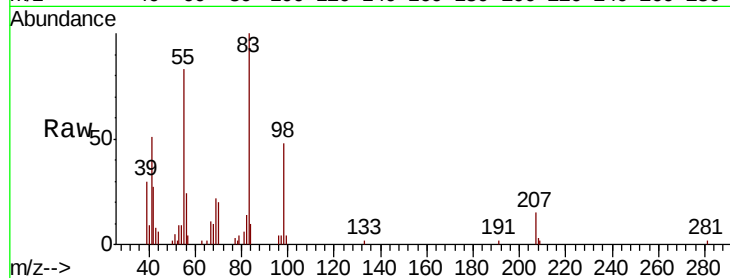




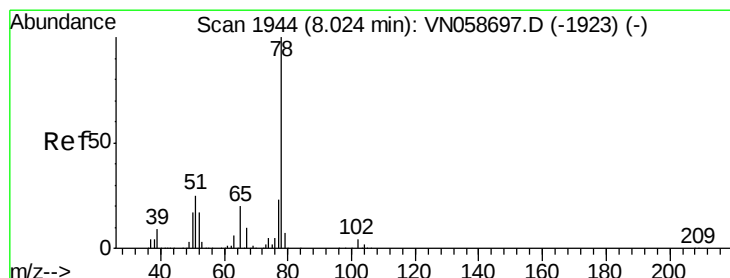
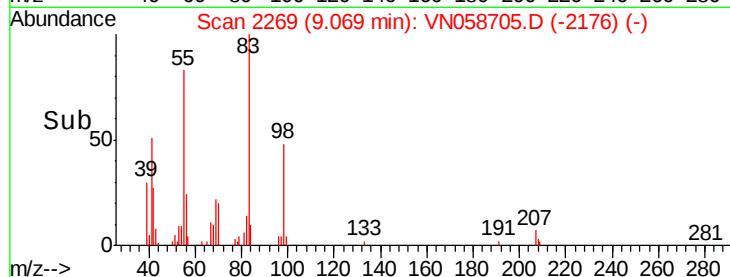
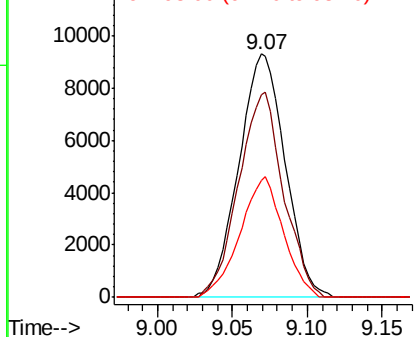
#39
Methvlcvclohexane
Concen: 2.457 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 20033
Ion Ratio Lower Upper
83 100
55 83.3 63.4 95.0
98 48.3 35.1 52.7

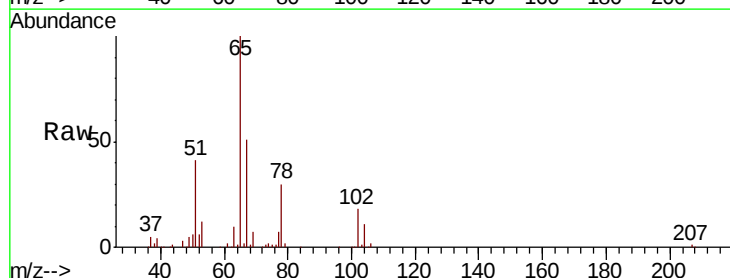


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

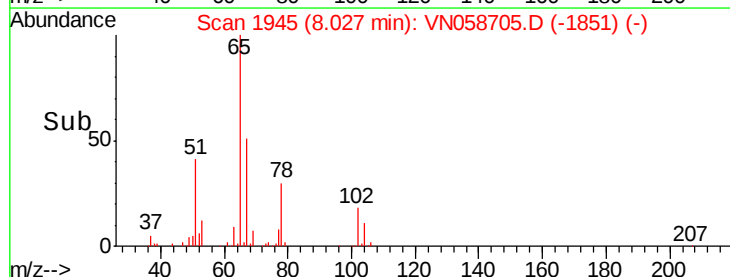
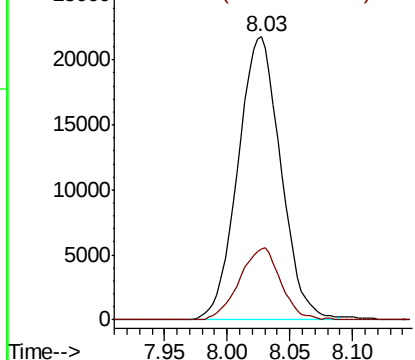


#40
Benzene
Concen: 2.564 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion: 78 Resp: 51739
Ion Ratio Lower Upper
78 100
77 25.2 18.8 28.2



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

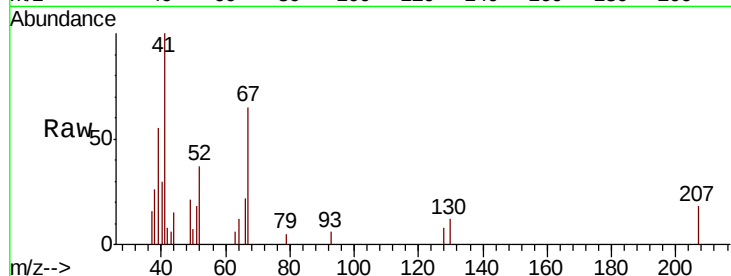




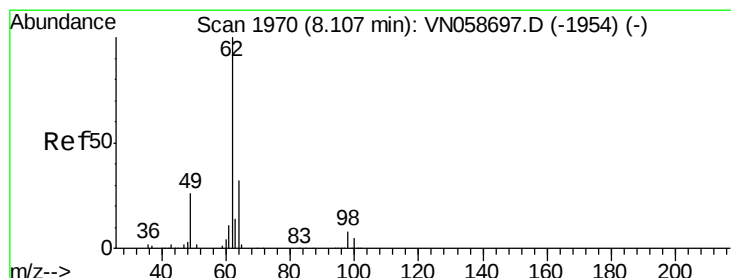
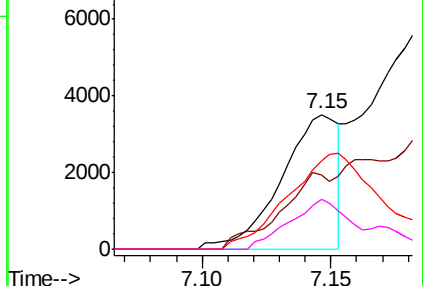
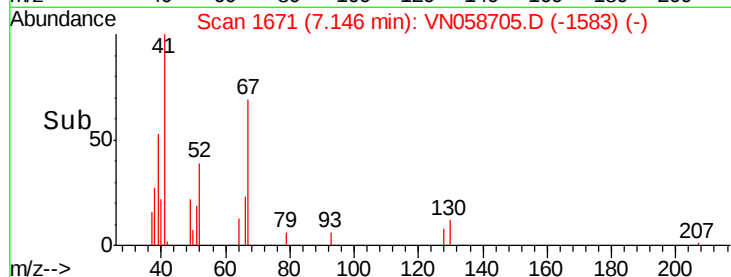
#41
Methacrylonitrile
Concen: 1.615 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.02 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 5370
Ion Ratio Lower Upper
41 100
39 49.4 115.4 173.2#
67 0.0 0.0 0.0
52 39.9 0.0 0.0#

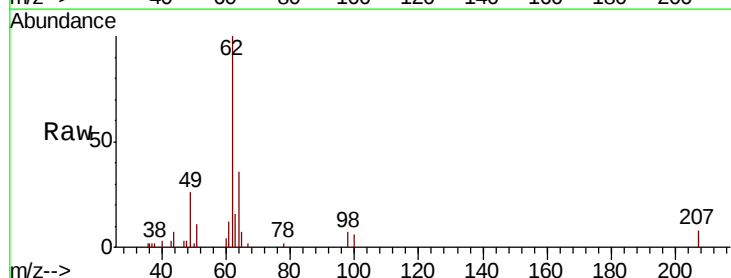


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

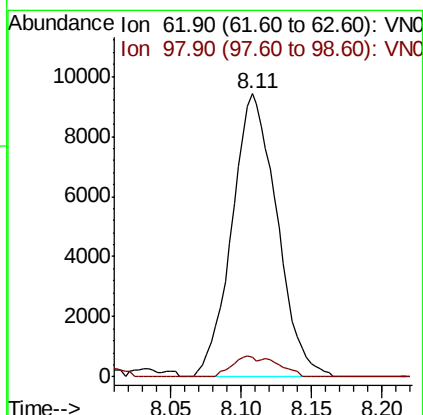
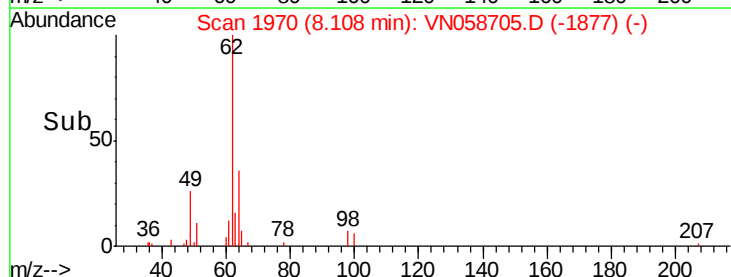


#42
1,2-Dichloroethane
Concen: 2.711 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion: 62 Resp: 21017
Ion Ratio Lower Upper
62 100
98 4.5 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 2.368 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

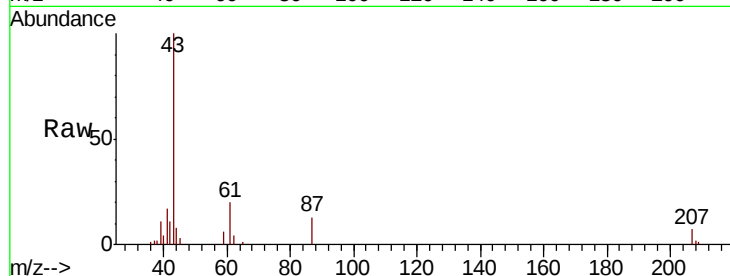
Tot Ion: 43 Resp: 28658

Ion Ratio Lower Upper

43 100

61 21.9 20.3 30.5

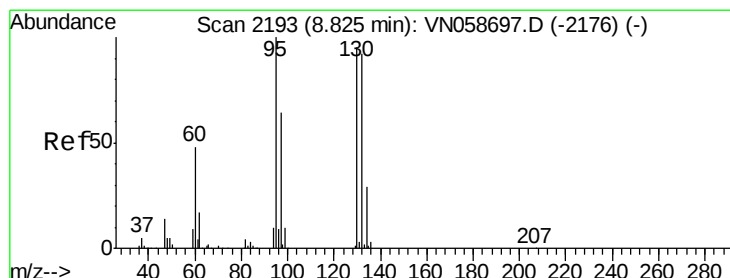
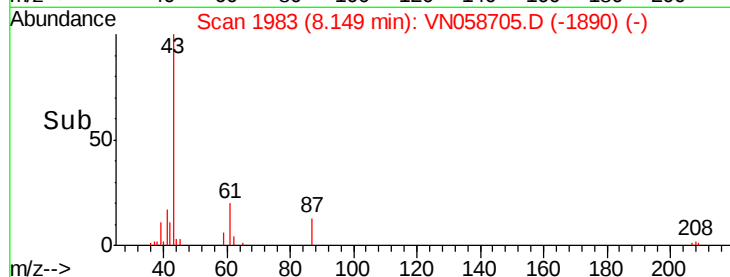
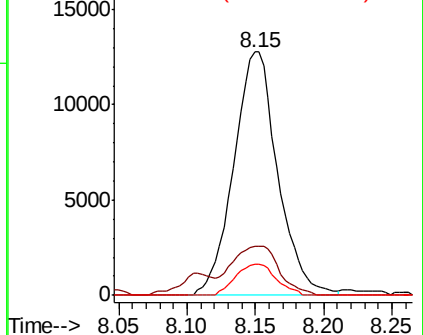
87 11.8 9.8 14.6



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

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

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



#44

Trichloroethene

Concen: 2.573 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058705.D

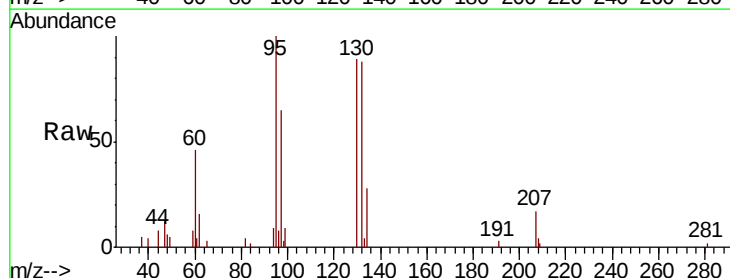
Acq: 11 Oct 2019 15:58

Tgt Ion: 130 Resp: 12893

Ion Ratio Lower Upper

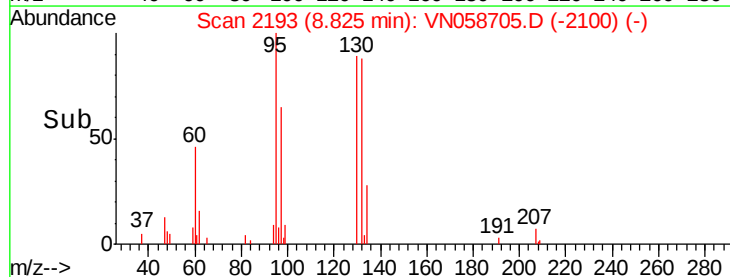
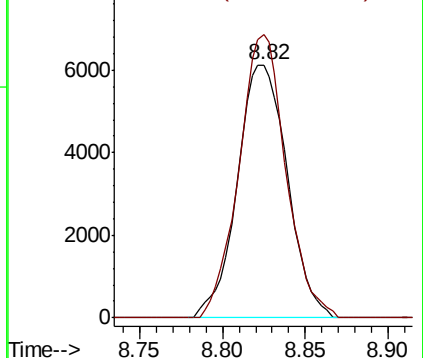
130 100

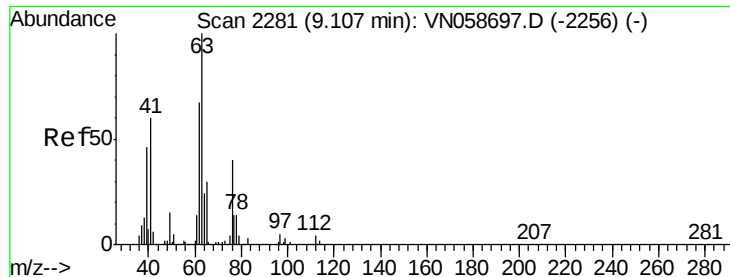
95 111.9 0.0 211.2



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

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

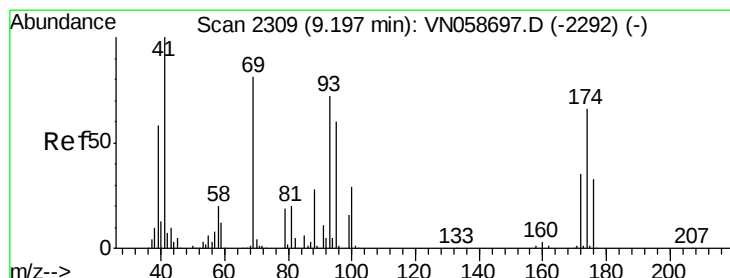
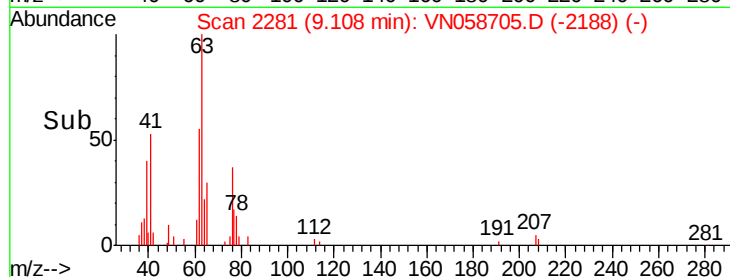
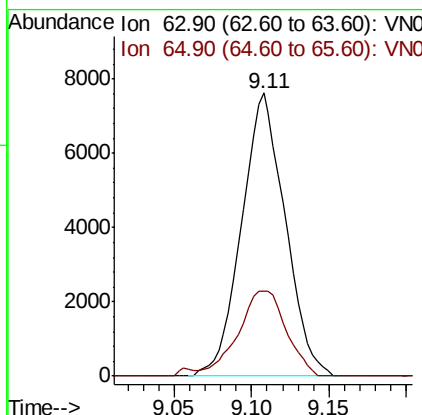
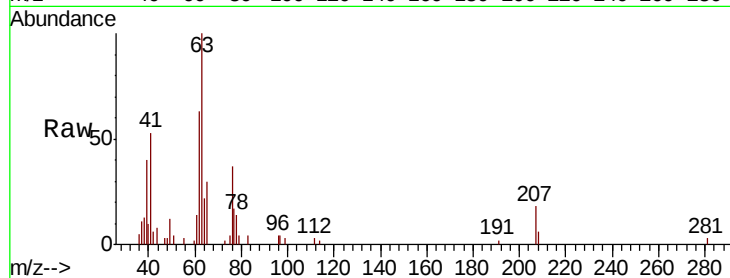




#45
 1,2-Dichloropropane
 Concen: 2.769 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

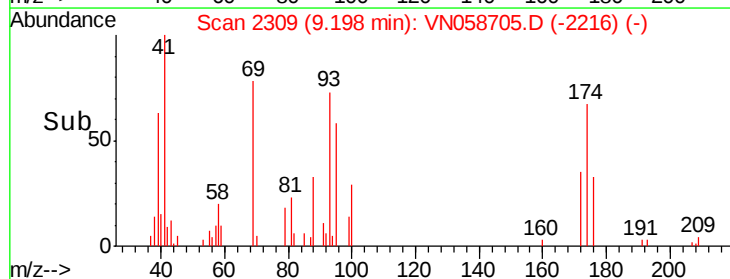
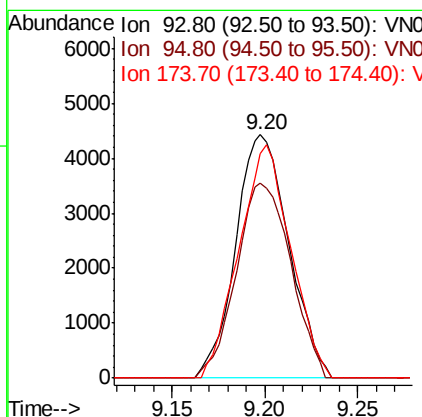
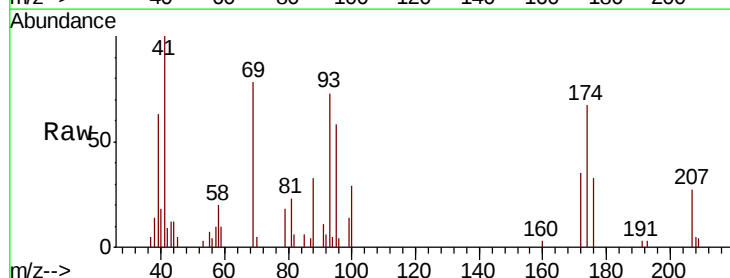
Instrument :
 MSVOA_N
 ClientSampleId :

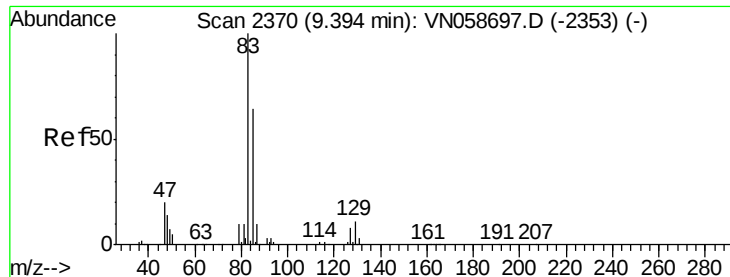
Tot Ion: 63 Resp: 14955
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.1 36.1



#46
 Dibromomethane
 Concen: 2.569 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Tgt Ion: 93 Resp: 8799
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 100.0
 174 93.4 75.2 112.8





#47

Bromodichloromethane

Concen: 2.425 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :
MSVOA_N
ClientSampled :

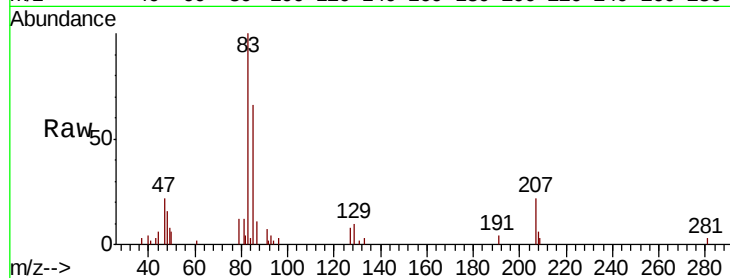
Tot Ion: 83 Resp: 16912

Ion Ratio Lower Upper

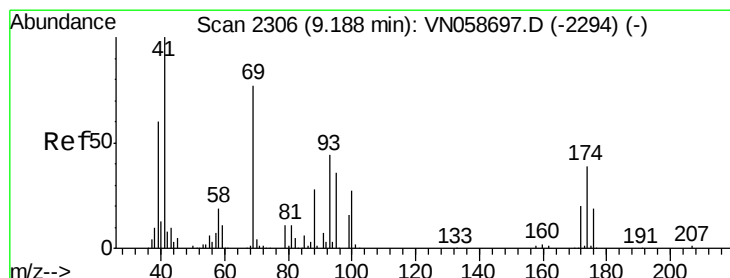
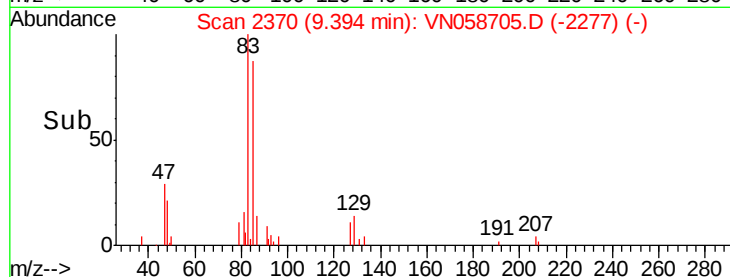
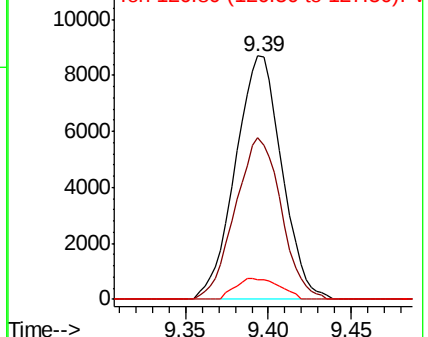
83 100

85 66.2 50.9 76.3

127 8.2 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 2.496 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

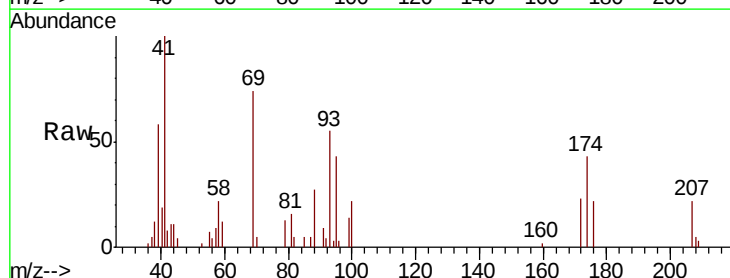
Tgt Ion: 41 Resp: 13692

Ion Ratio Lower Upper

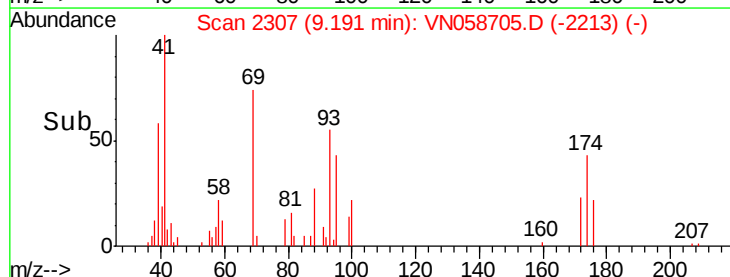
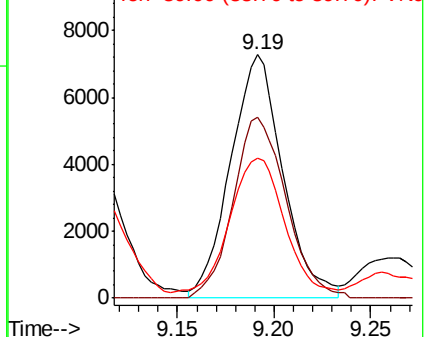
41 100

69 75.1 63.4 95.2

39 62.8 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

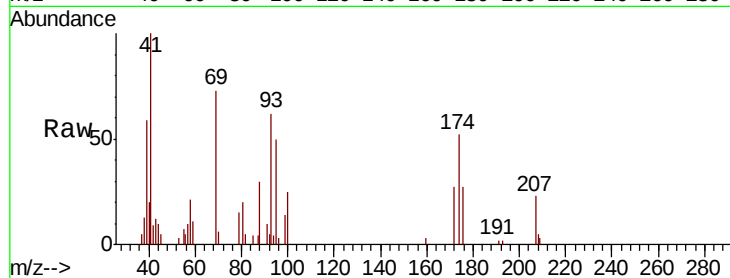




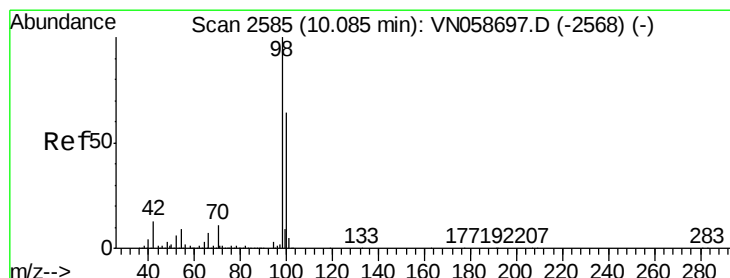
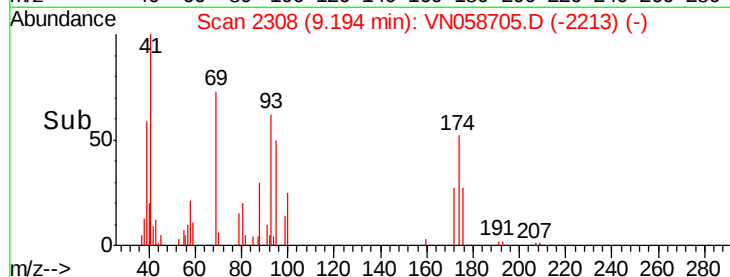
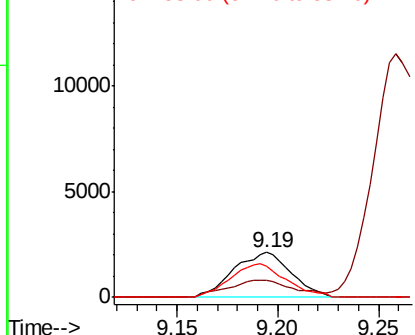
#49
1,4-Dioxane
Concen: 49.436 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 4196
Ion Ratio Lower Upper
88 100
43 44.1 28.6 43.0#
58 72.7 57.2 85.8

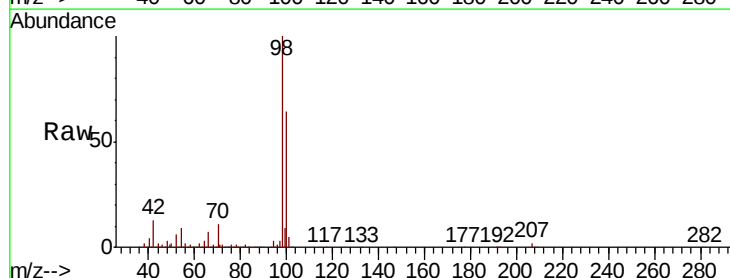


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

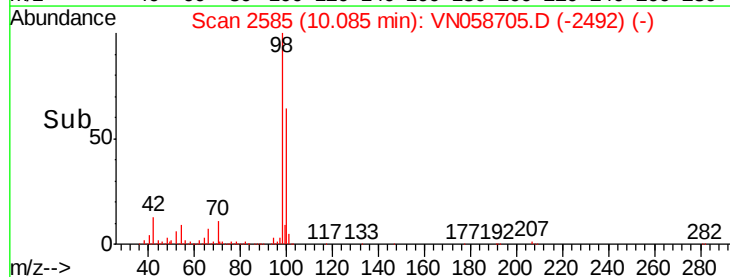
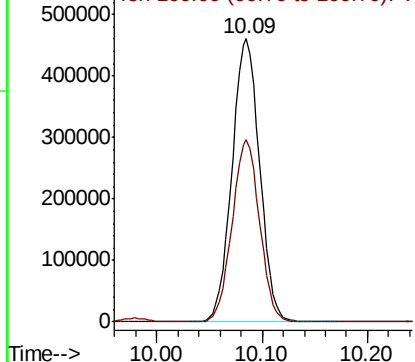


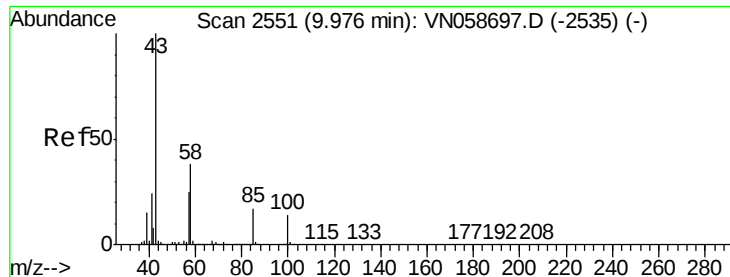
#50
Toluene-d8
Concen: 48.624 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion: 98 Resp: 834503
Ion Ratio Lower Upper
98 100
100 64.0 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: 12.453 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

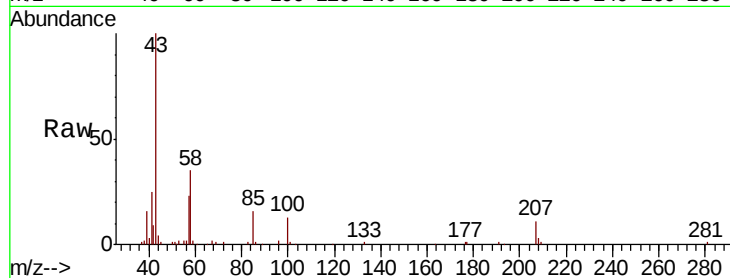
ClientSampled :

Tot Ion: 43 Resp: 84647

Ion Ratio Lower Upper

43 100

58 36.3 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

50000

40000

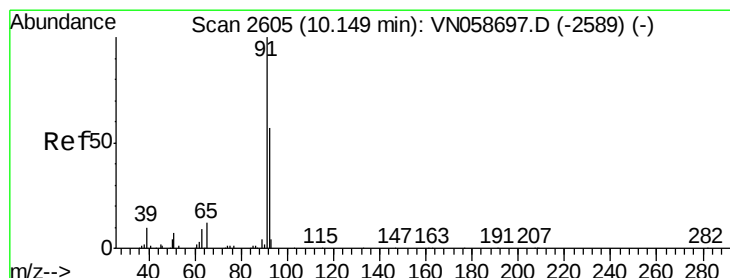
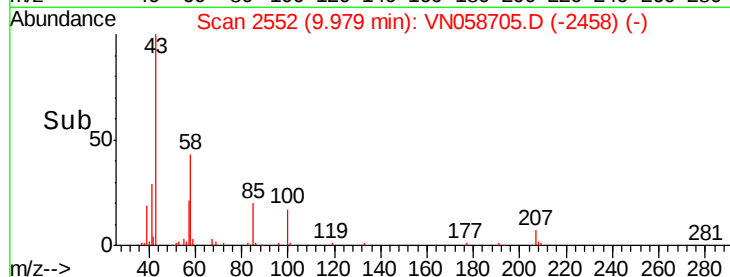
30000

20000

10000

0

Time-->



#52

Toluene

Concen: 2.480 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058705.D

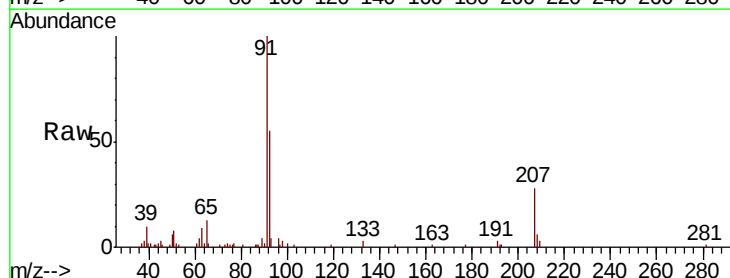
Acq: 11 Oct 2019 15:58

Tgt Ion: 92 Resp: 30600

Ion Ratio Lower Upper

92 100

91 180.9 139.1 208.7



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

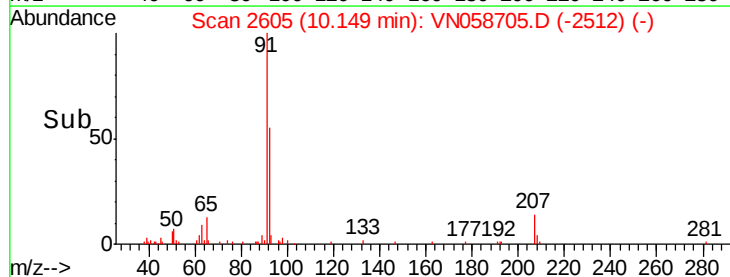
30000

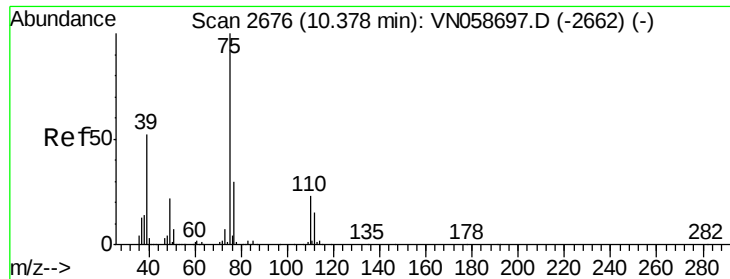
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 2.373 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

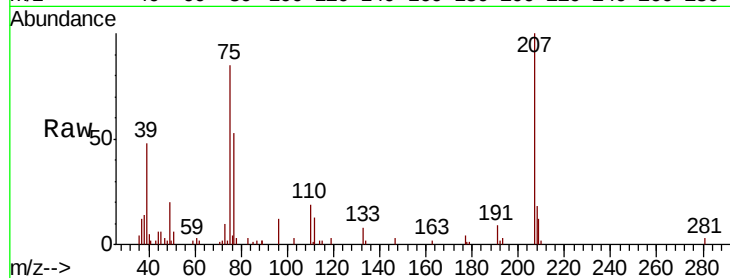
ClientSampled :

Tot Ion: 75 Resp: 18978

Ion Ratio Lower Upper

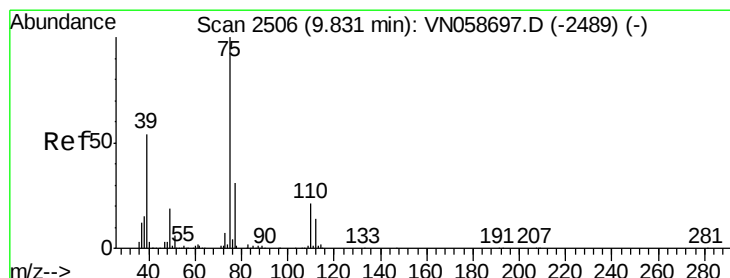
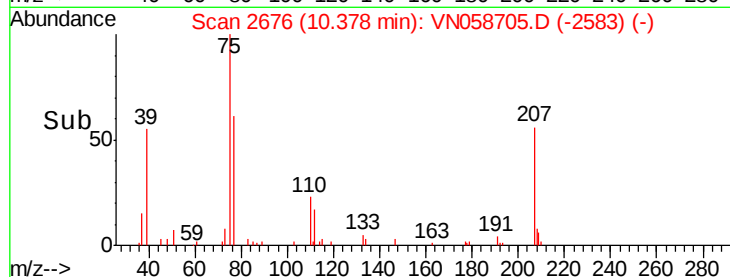
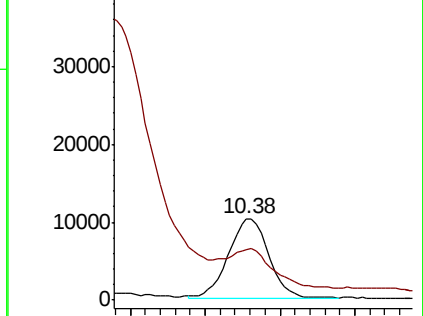
75 100

77 49.1 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: 2.435 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

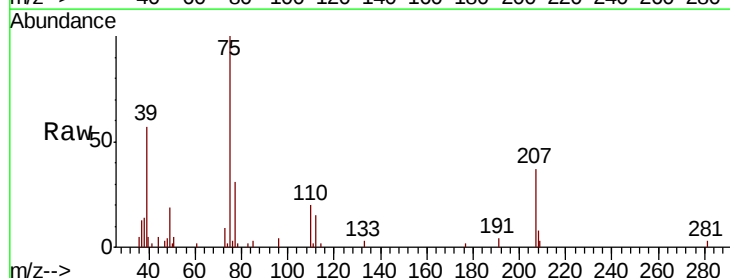
Tgt Ion: 75 Resp: 20676

Ion Ratio Lower Upper

75 100

77 31.2 24.4 36.6

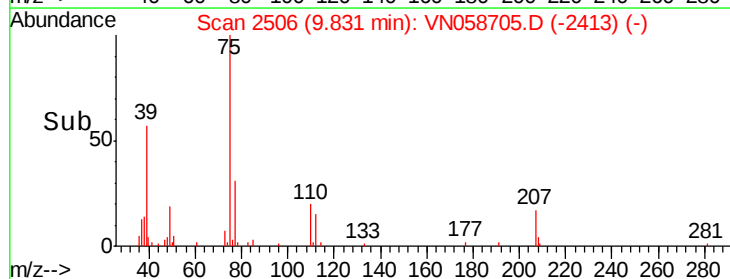
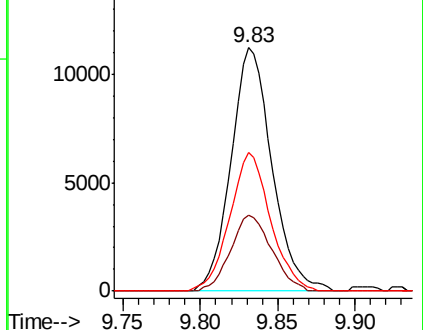
39 56.9 43.1 64.7

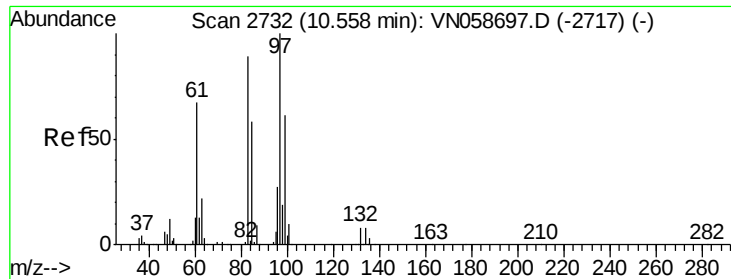


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

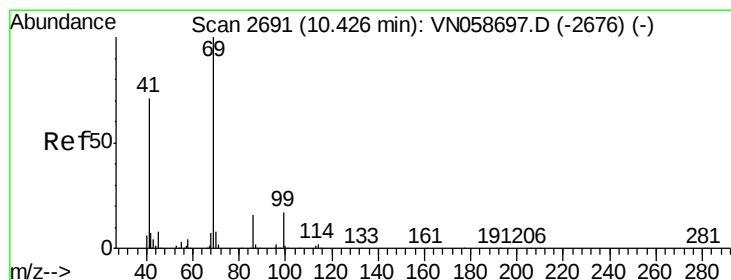
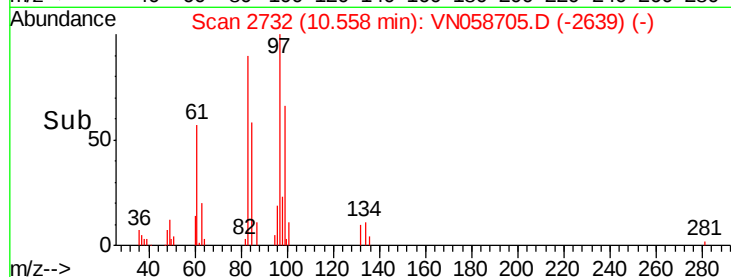
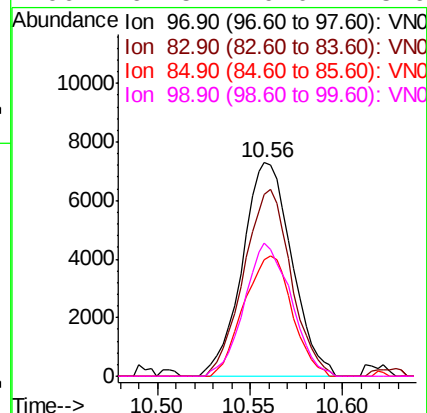
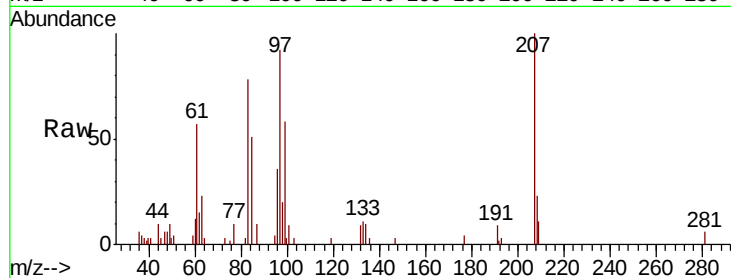




#55
 1,1,2-Trichloroethane
 Concen: 2.690 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

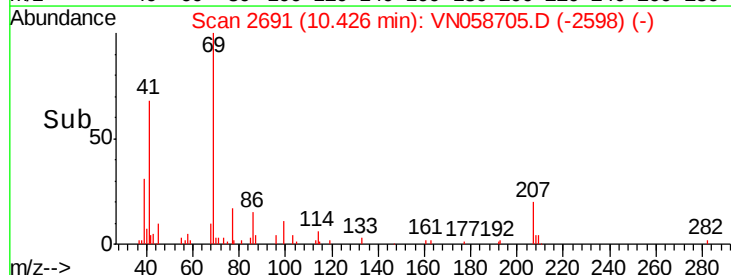
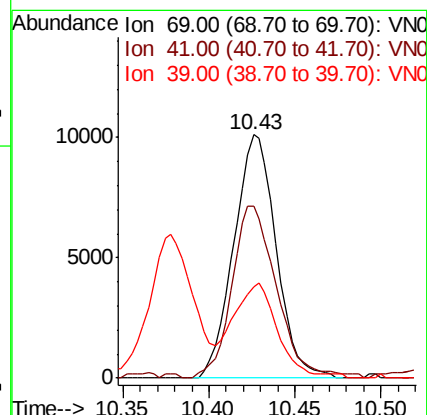
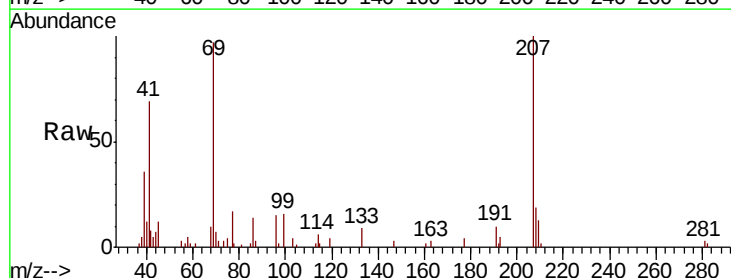
Instrument :
 MSVOA_N
 ClientSampled :

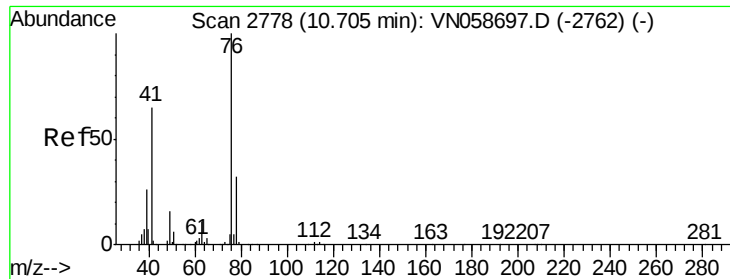
Tot Ion: 97 Resp: 13585
 Ion Ratio Lower Upper
 97 100
 83 85.0 71.2 106.8
 85 54.8 46.7 70.1
 99 62.5 49.0 73.6



#56
 Ethyl methacrylate
 Concen: 2.343 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Tgt Ion: 69 Resp: 17292
 Ion Ratio Lower Upper
 69 100
 41 75.1 56.8 85.2
 39 38.5 32.5 48.7





#57

1,3-Dichloropropane

Concen: 2.531 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

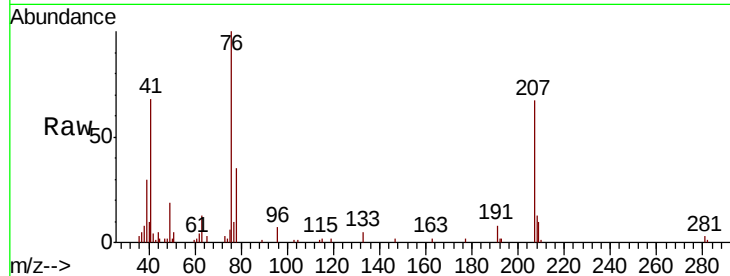
ClientSampled :

Tot Ion: 76 Resp: 21784

Ion Ratio Lower Upper

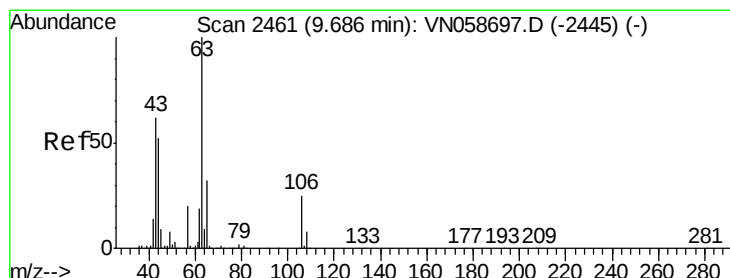
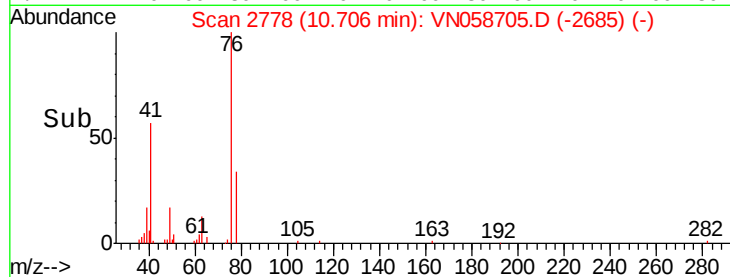
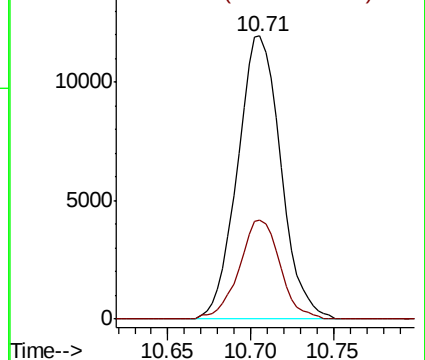
76 100

78 33.1 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 10.596 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058705.D

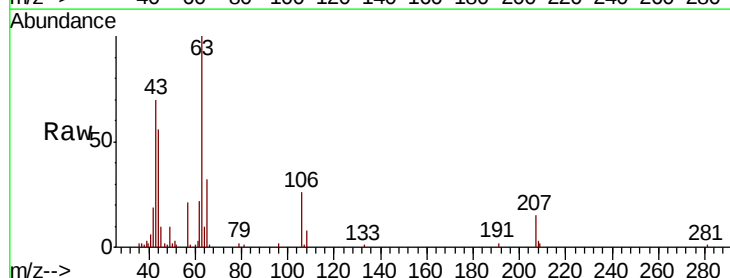
Acq: 11 Oct 2019 15:58

Tgt Ion: 63 Resp: 37680

Ion Ratio Lower Upper

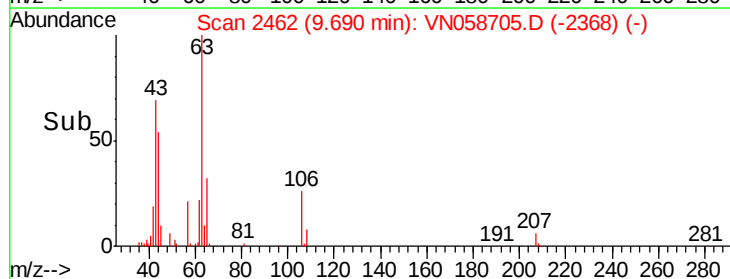
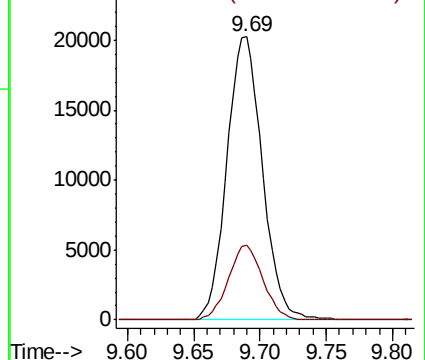
63 100

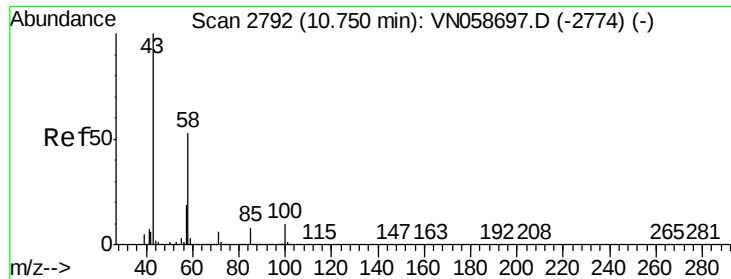
106 25.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 11.596 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

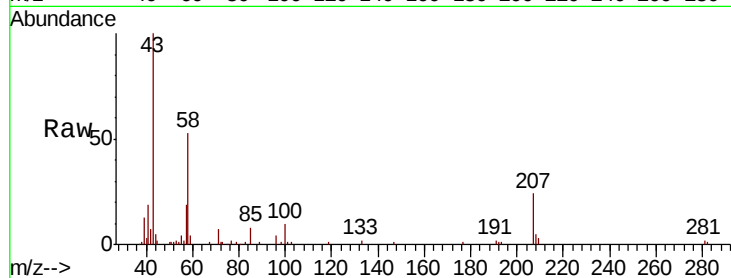
ClientSampleId :

Tot Ion: 43 Resp: 60916

Ion Ratio Lower Upper

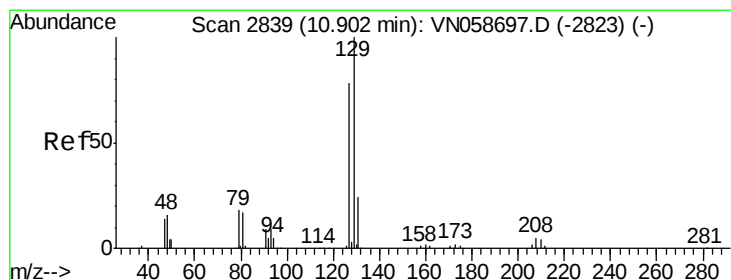
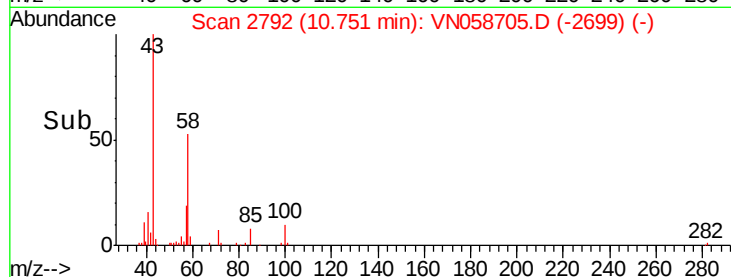
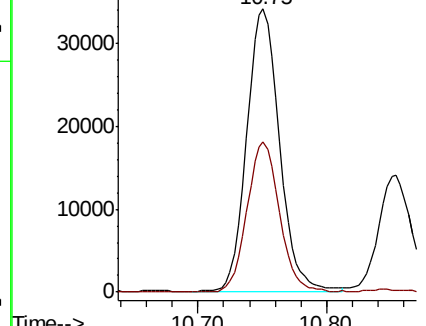
43 100

58 52.0 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2774) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2774) (-)



#60

Dibromochloromethane

Concen: 2.370 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.01 min

Lab File: VN058705.D

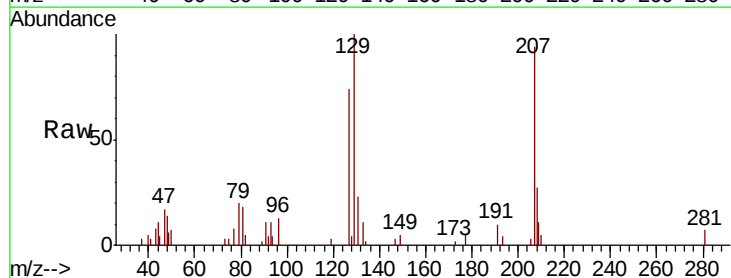
Acq: 11 Oct 2019 15:58

Tgt Ion: 129 Resp: 12346

Ion Ratio Lower Upper

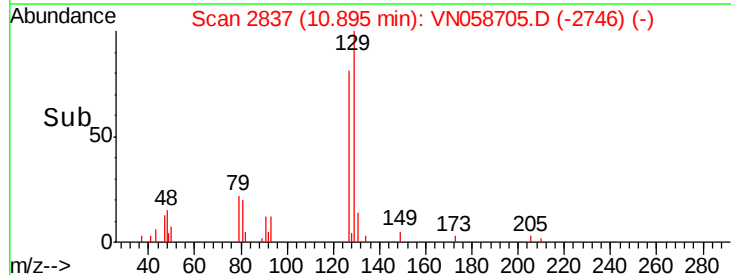
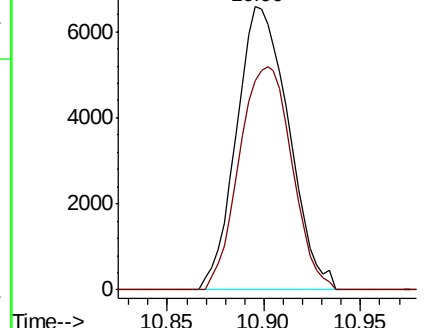
129 100

127 79.5 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): VN058697.D (-2823) (-)

Ion 126.80 (126.50 to 127.50): VN058697.D (-2823) (-)

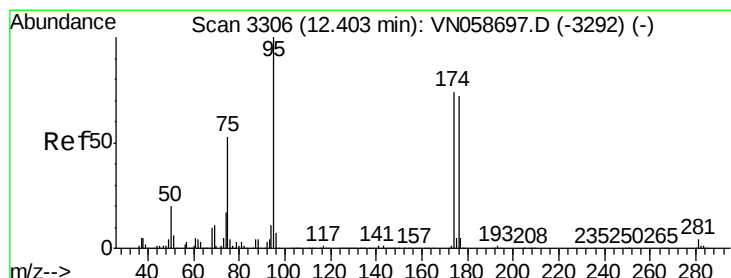
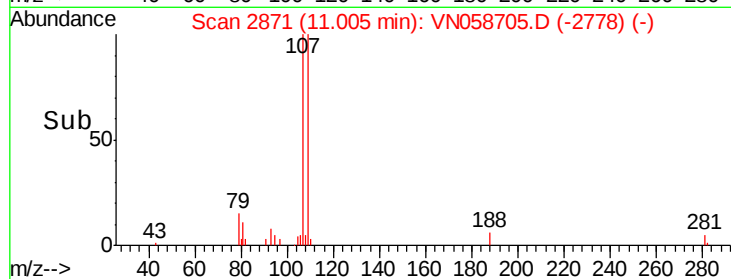
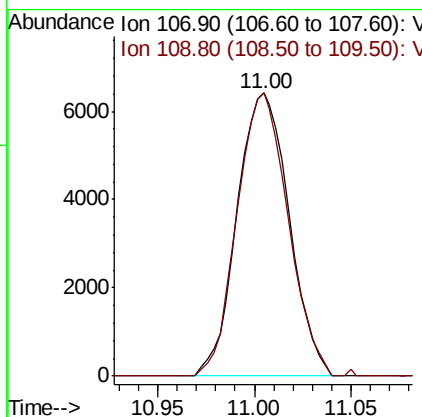
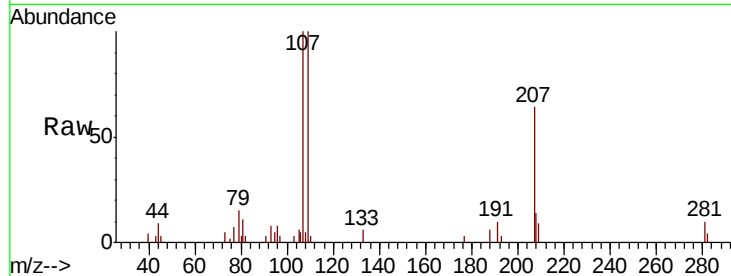




#61
 1,2-Dibromoethane
 Concen: 2.369 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

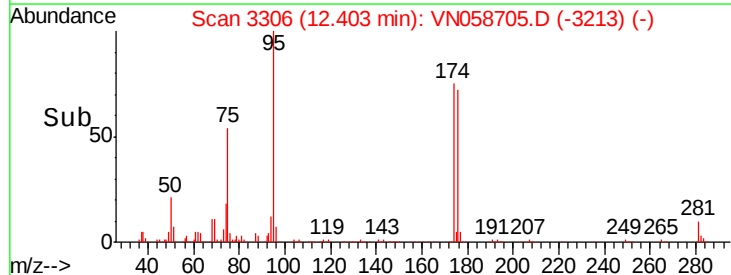
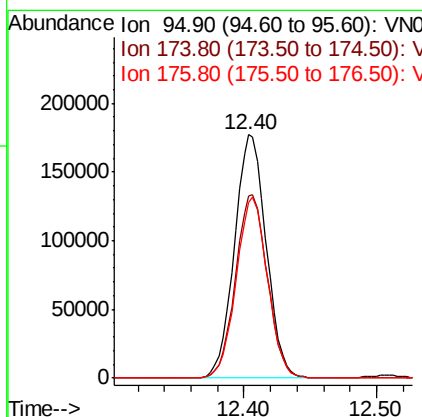
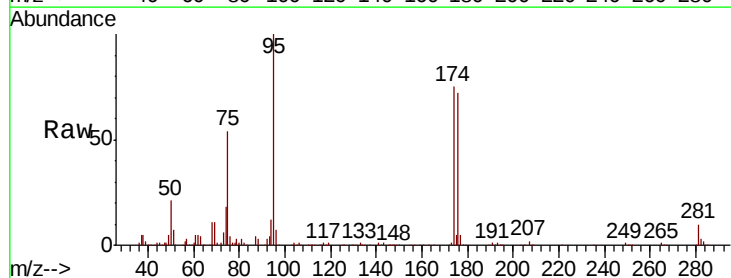
Instrument :
 MSVOA_N
 ClientSampleId :

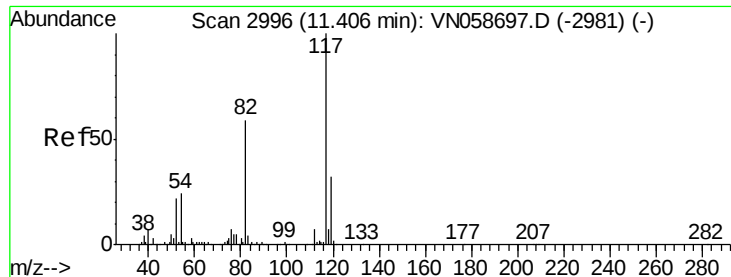
Tot Ion: 107 Resp: 11989
 Ion Ratio Lower Upper
 107 100
 109 98.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 45.268 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Tgt Ion: 95 Resp: 294080
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 150.4
 176 73.5 0.0 146.8

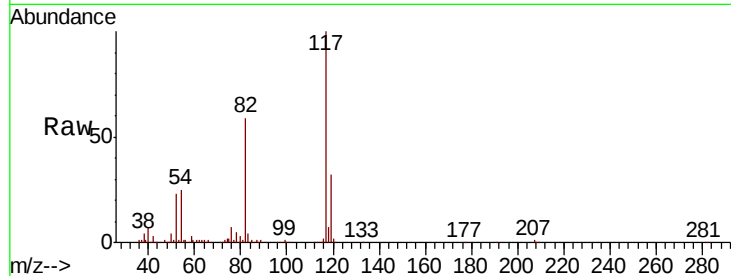




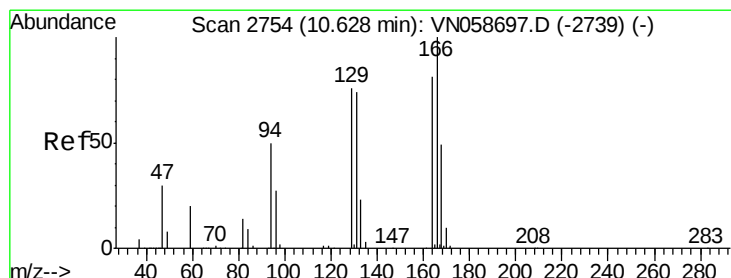
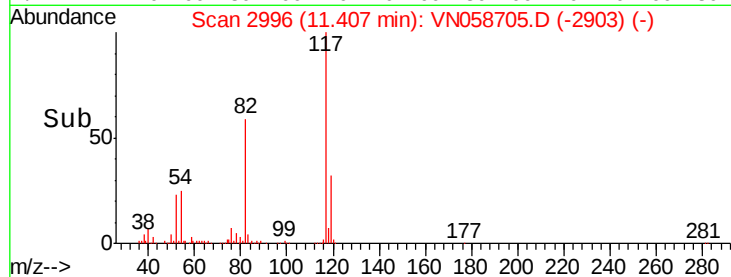
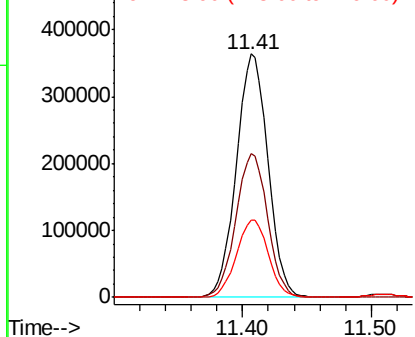
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 619168
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.4
119 31.9 25.4 38.2

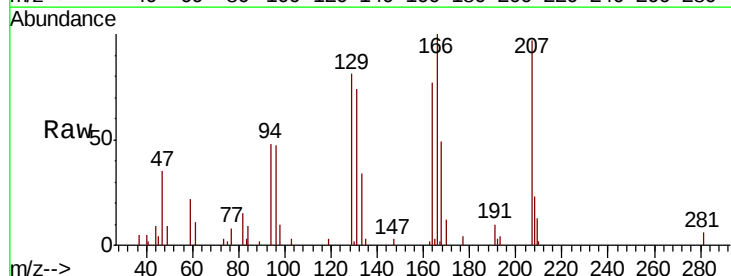


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

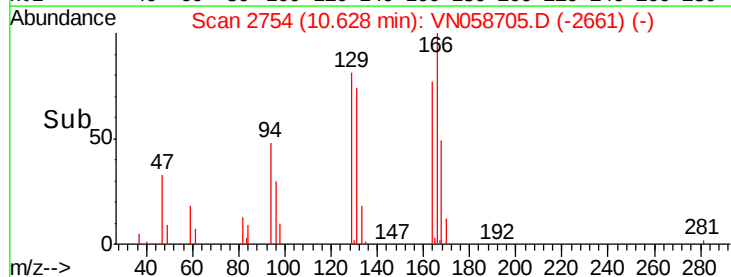
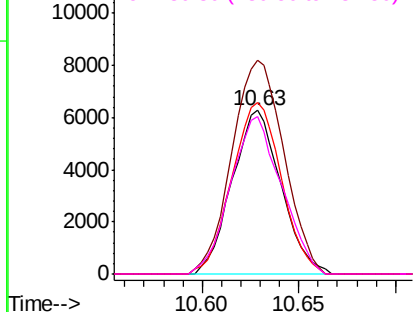


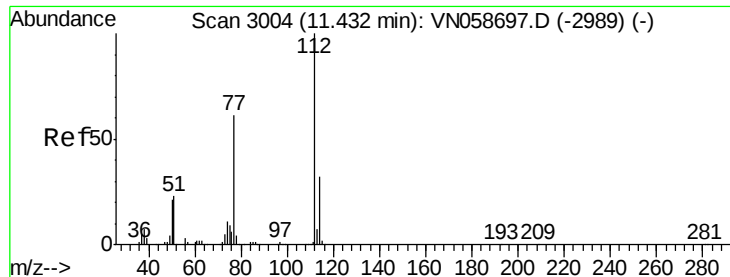
#64
Tetrachloroethene
Concen: 2.540 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion:164 Resp: 11004
Ion Ratio Lower Upper
164 100
166 130.5 99.3 148.9
129 105.0 75.2 112.8
131 96.1 73.0 109.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 2.627 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

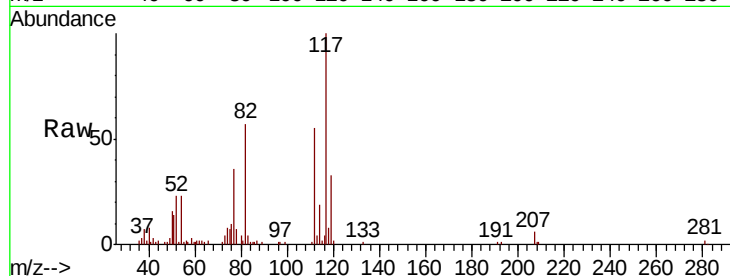
ClientSampleId :

Tot Ion:112 Resp: 33035

Ion Ratio Lower Upper

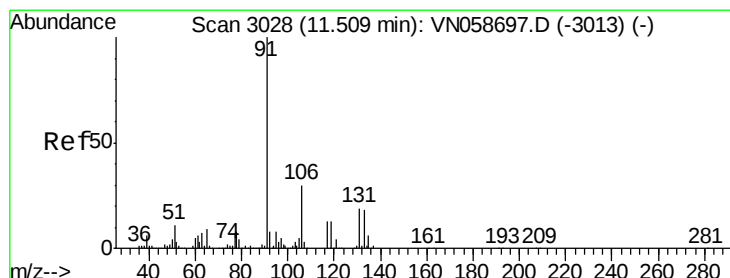
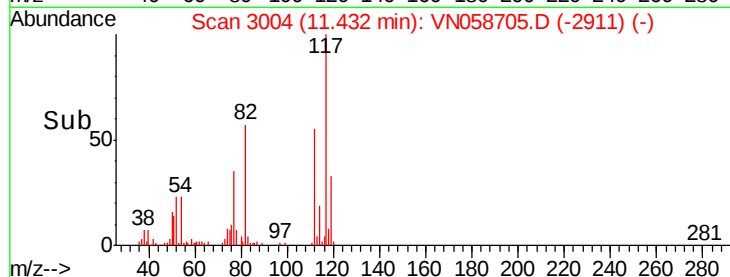
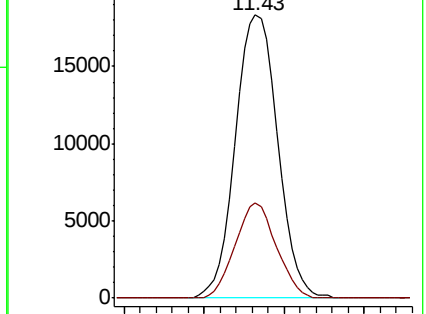
112 100

114 33.8 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.450 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

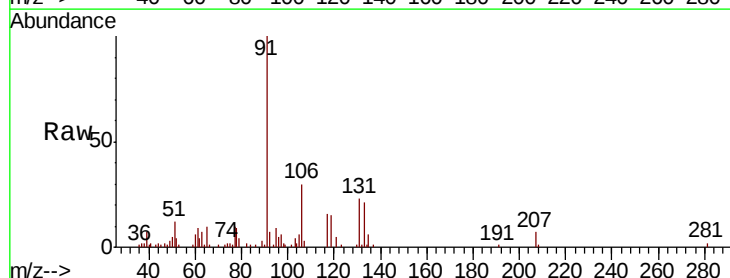
Tgt Ion:131 Resp: 11390

Ion Ratio Lower Upper

131 100

133 99.9 47.6 142.9

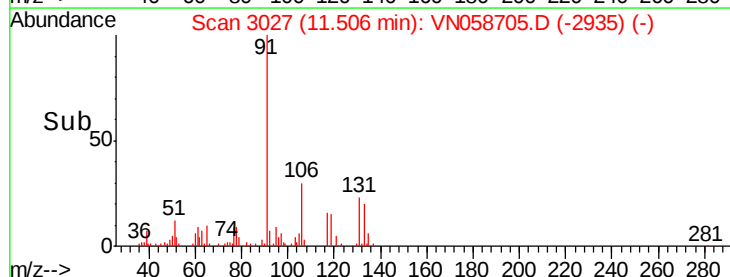
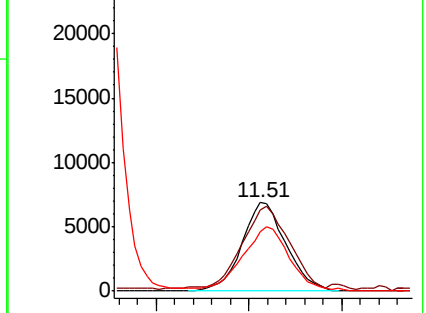
119 78.2 33.0 98.9

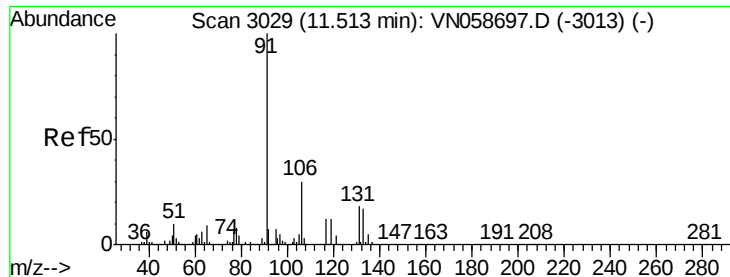


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

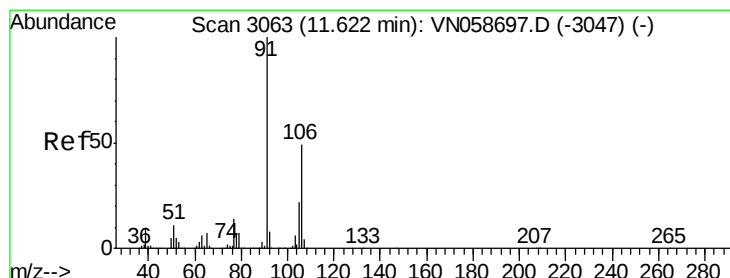
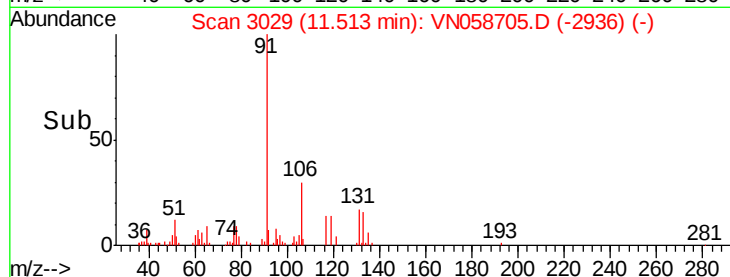
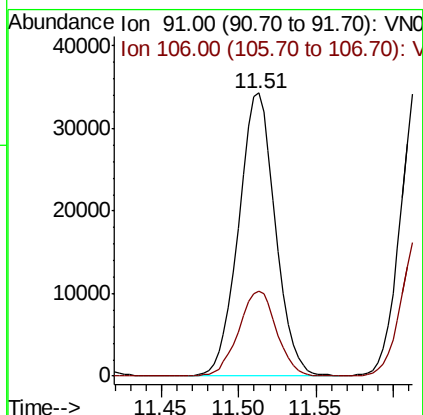
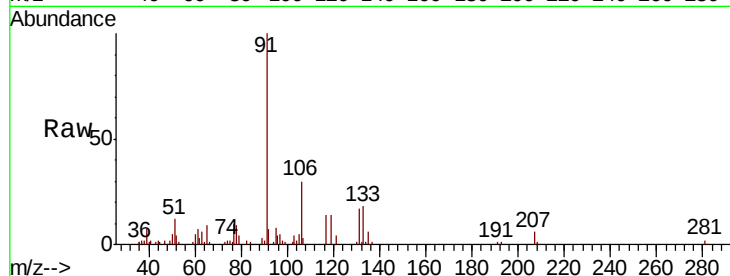




#67
Ethyl Benzene
Concen: 2.523 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

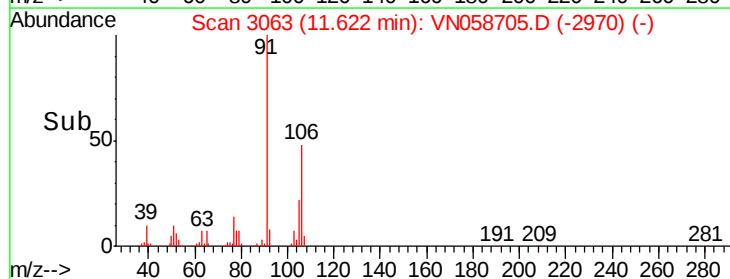
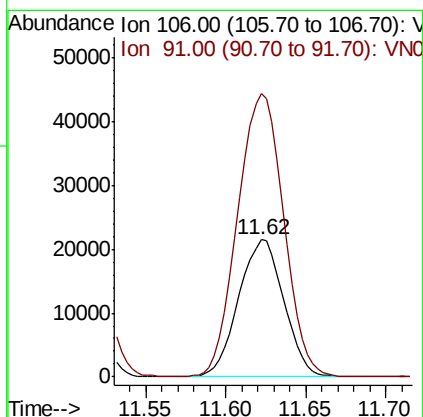
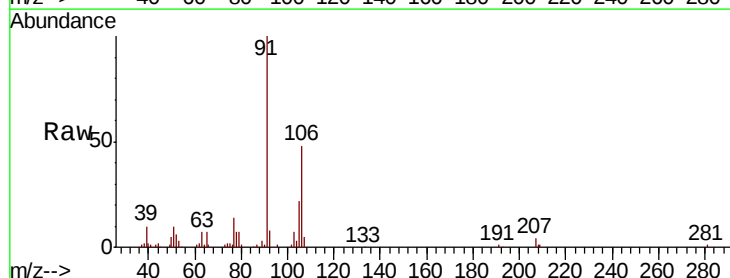
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 56554
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1



#68
m/p-Xylenes
Concen: 4.924 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion: 106 Resp: 41420
Ion Ratio Lower Upper
106 100
91 210.8 165.7 248.5

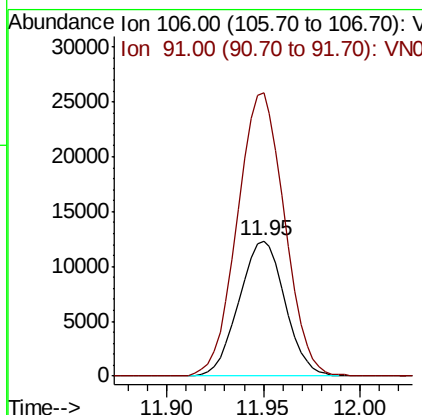
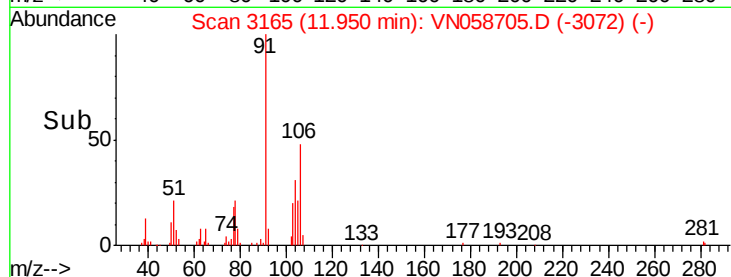
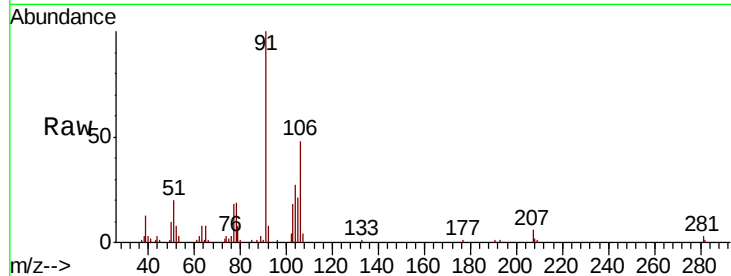




#69
o-Xylene
Concen: 2.503 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

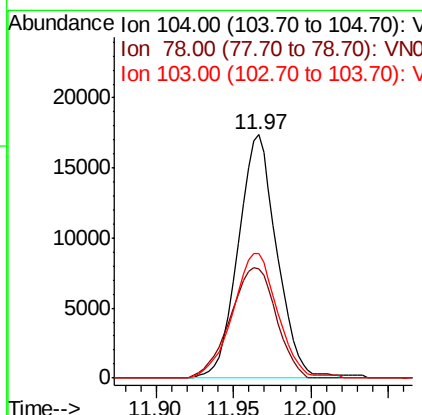
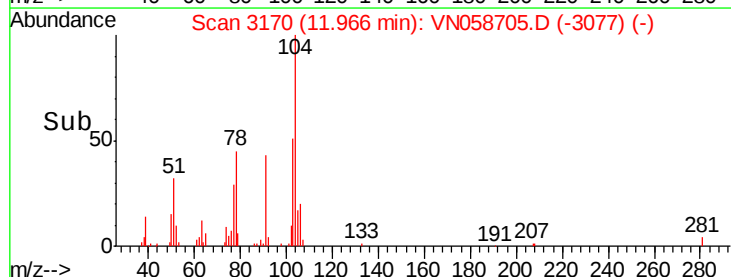
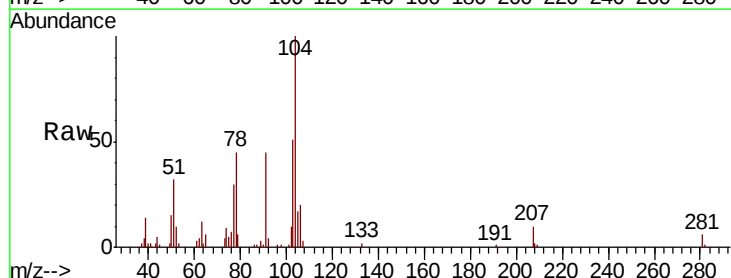
Instrument :
MSVOA_N
ClientSampleId :

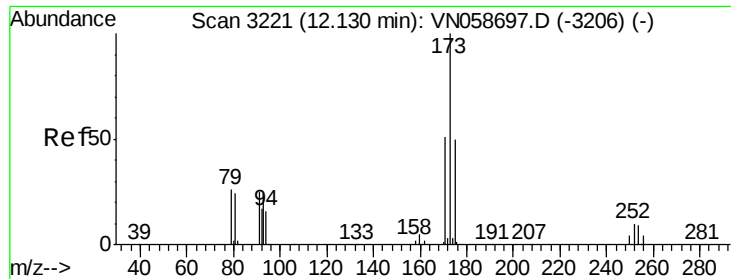
Tot Ion:106 Resp: 20372
Ion Ratio Lower Upper
106 100
91 215.2 110.9 332.9



#70
Styrene
Concen: 2.259 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion:104 Resp: 30133
Ion Ratio Lower Upper
104 100
78 53.9 42.2 63.2
103 58.8 43.7 65.5





#71

Bromoform

Concen: 2.359 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

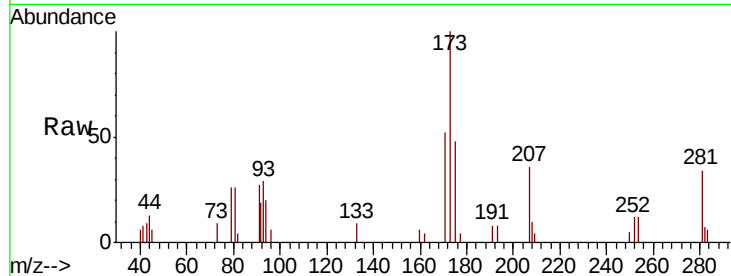
Tot Ion:173 Resp: 8038

Ion Ratio Lower Upper

173 100

175 47.1 24.6 73.8

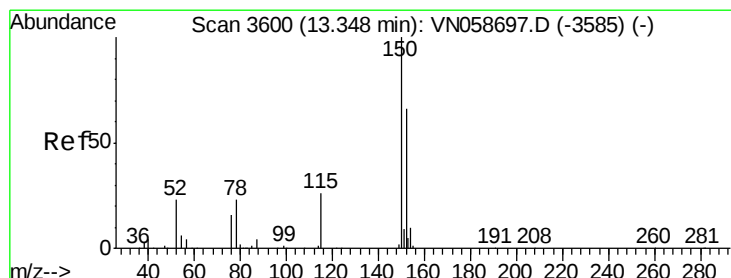
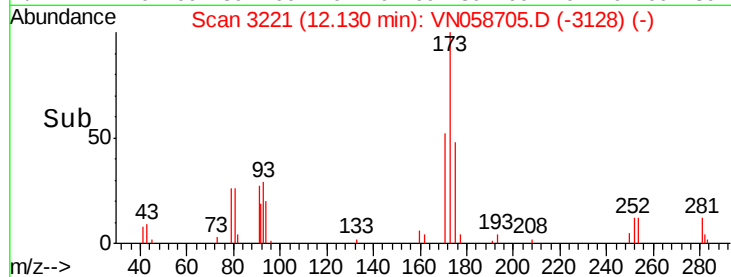
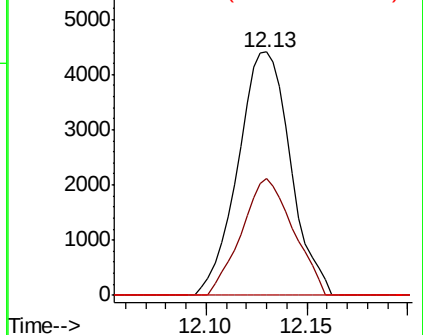
254 0.0 0.1 0.1#



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: VN058705.D

Acq: 11 Oct 2019 15:58

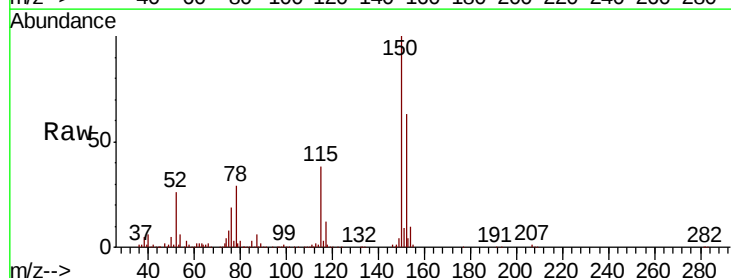
Tgt Ion:152 Resp: 273308

Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.2

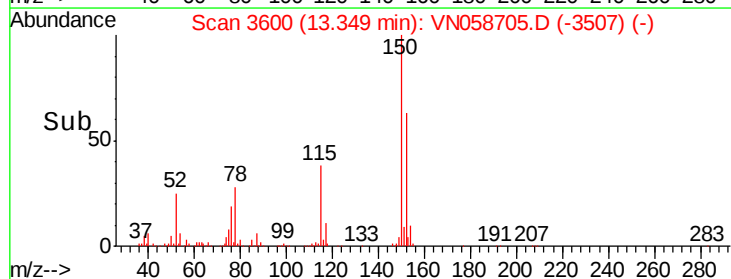
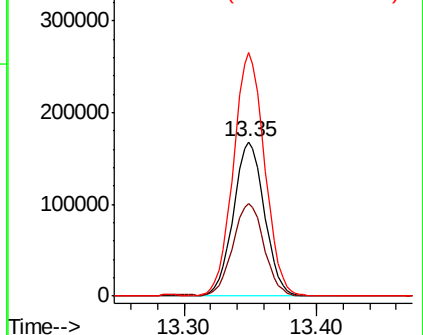
150 158.3 0.0 345.4

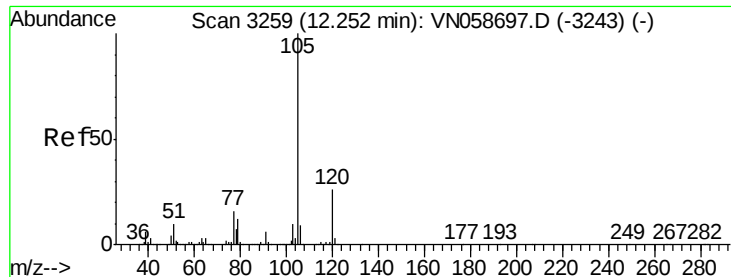


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.631 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

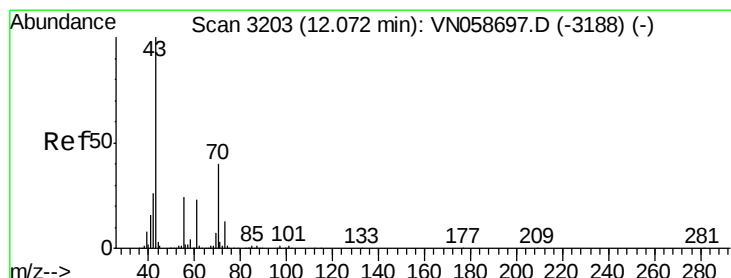
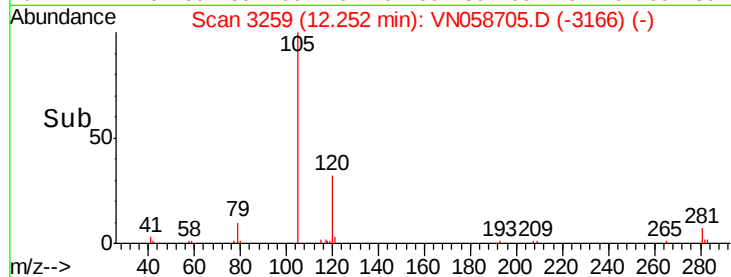
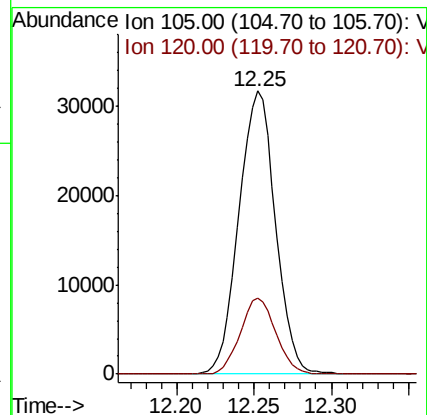
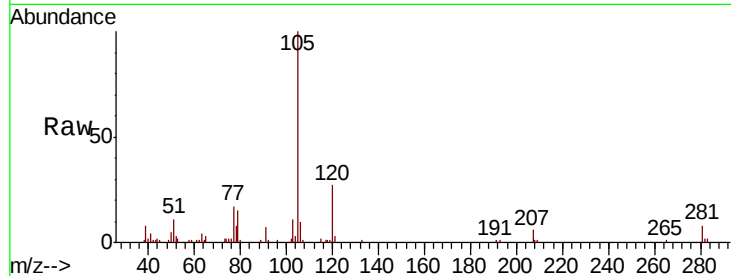
ClientSampleId :

Tot Ion: 105 Resp: 52070

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#74

N-ethyl acetate

Concen: 2.394 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Tgt Ion: 43 Resp: 21284

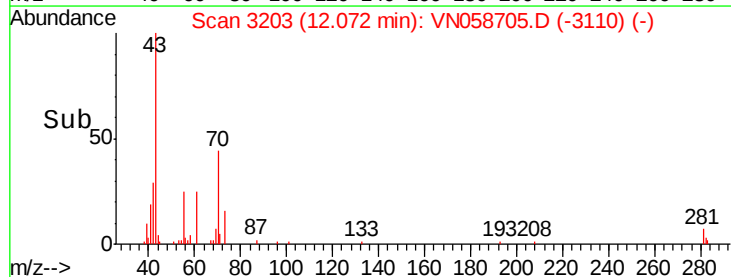
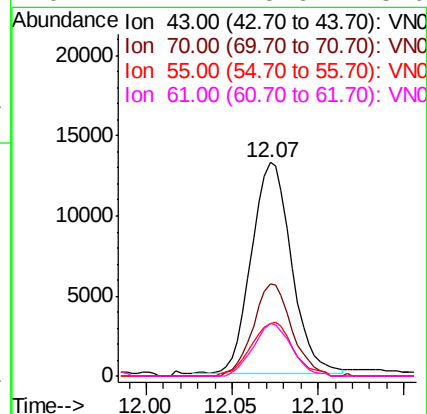
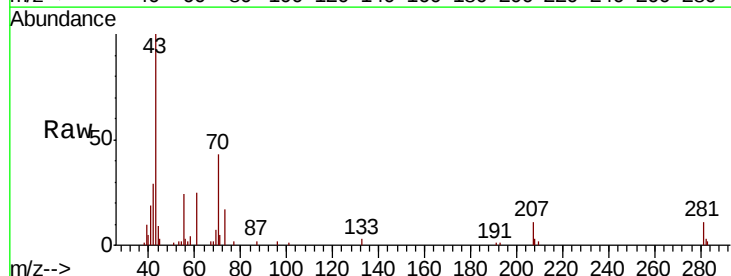
Ion Ratio Lower Upper

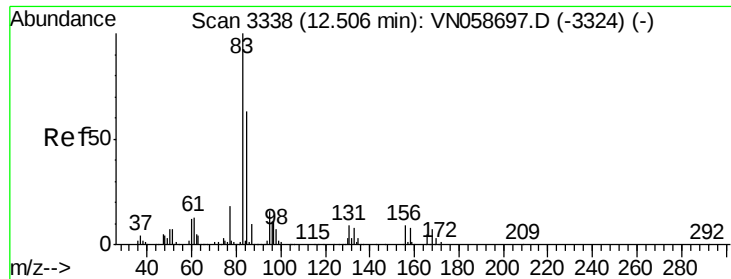
43 100

70 41.9 32.2 48.4

55 26.4 19.6 29.4

61 24.1 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.800 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

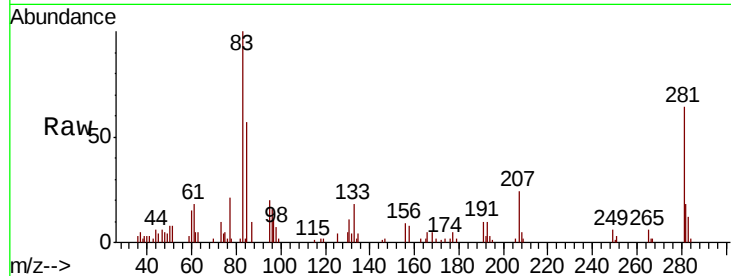
Tot Ion: 83 Resp: 18260

Ion Ratio Lower Upper

83 100

131 11.5 4.8 14.4

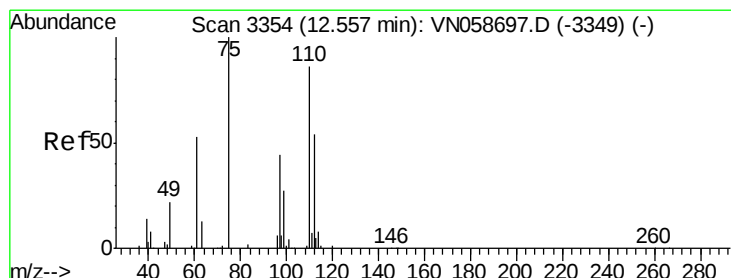
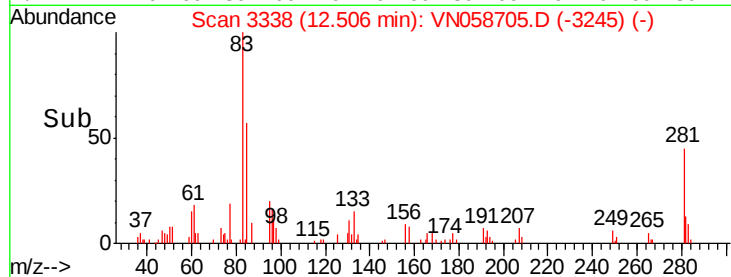
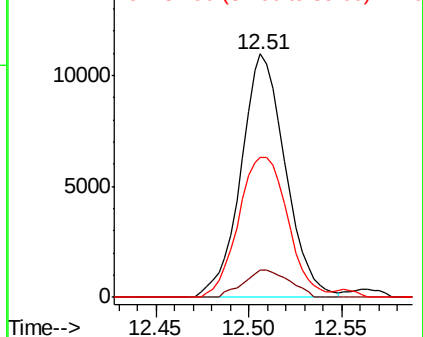
85 63.8 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058705.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058705.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058705.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 4.268 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058705.D

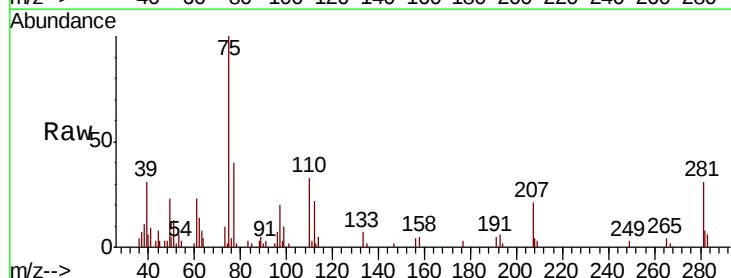
Acq: 11 Oct 2019 15:58

Tgt Ion: 75 Resp: 25587

Ion Ratio Lower Upper

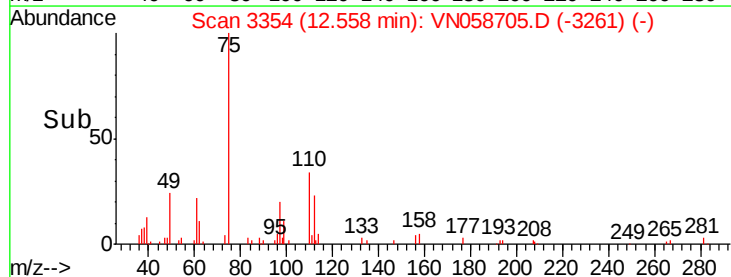
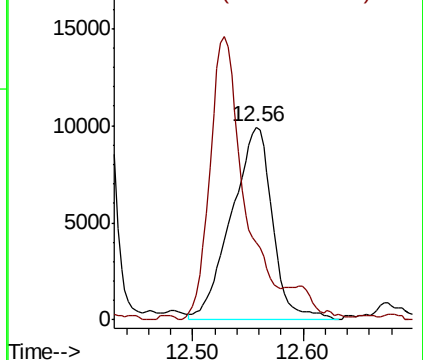
75 100

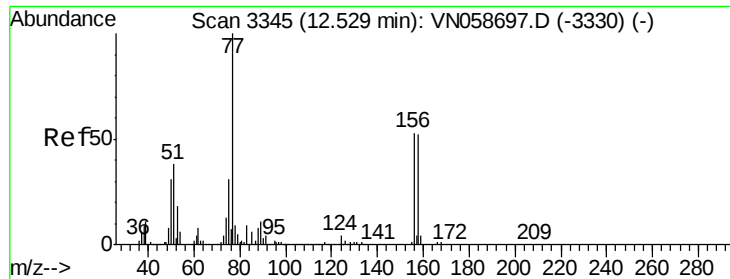
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058705.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058705.D (-3261) (-)





#77

Bromobenzene

Concen: 2.695 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

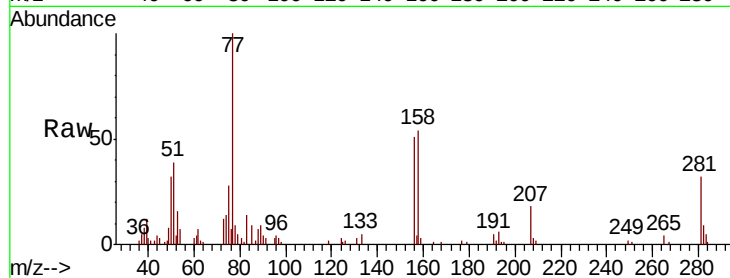
Tot Ion:156 Resp: 12975

Ion Ratio Lower Upper

156 100

77 241.0 115.8 347.3

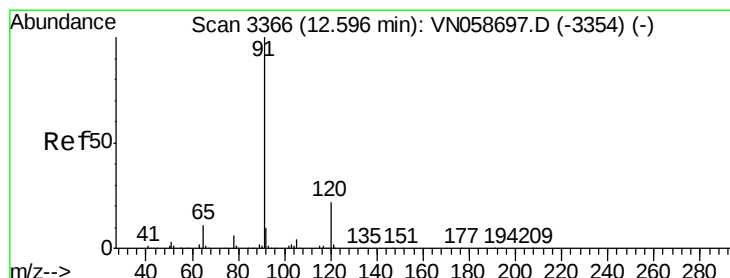
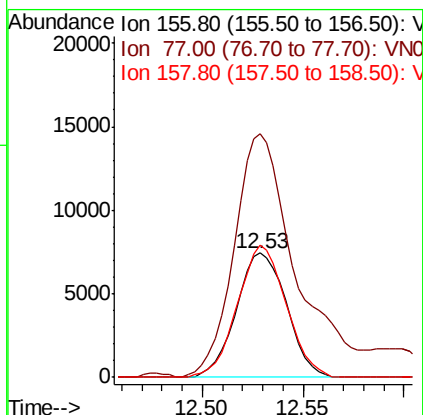
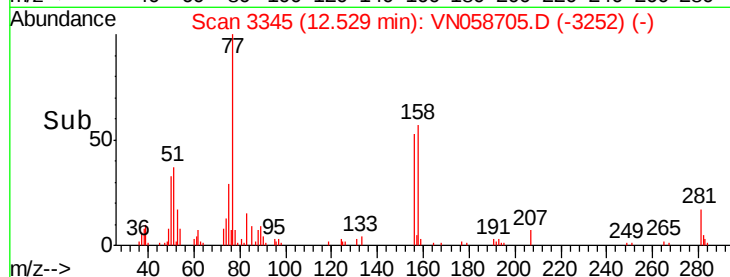
158 103.2 48.9 146.6



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: 2.653 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058705.D

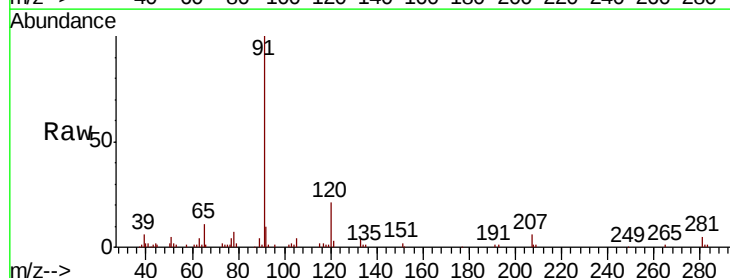
Acq: 11 Oct 2019 15:58

Tgt Ion: 91 Resp: 61194

Ion Ratio Lower Upper

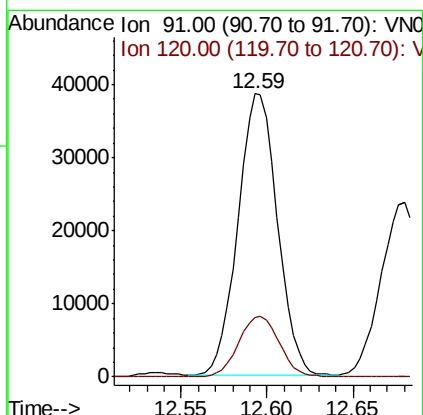
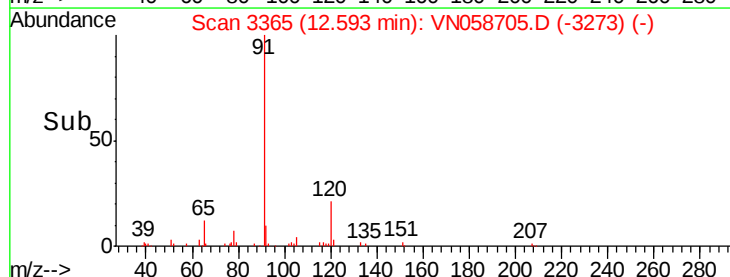
91 100

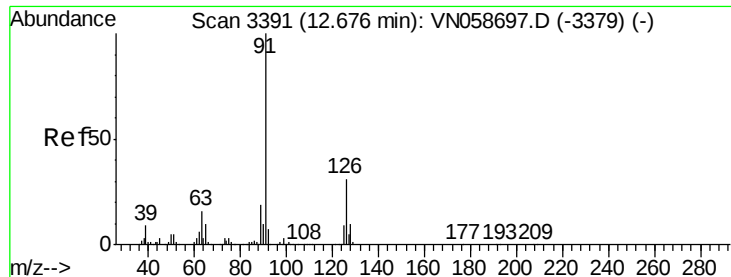
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

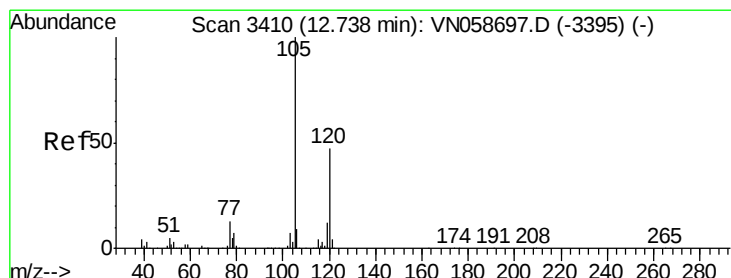
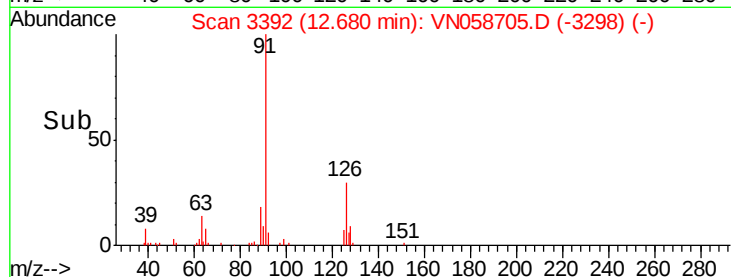
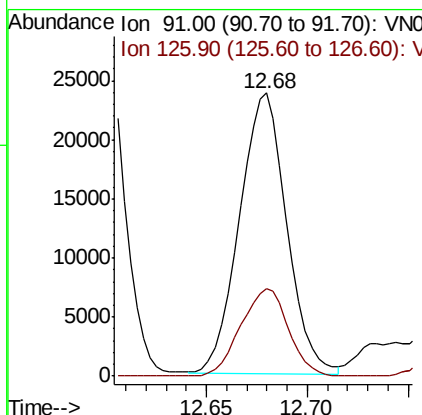
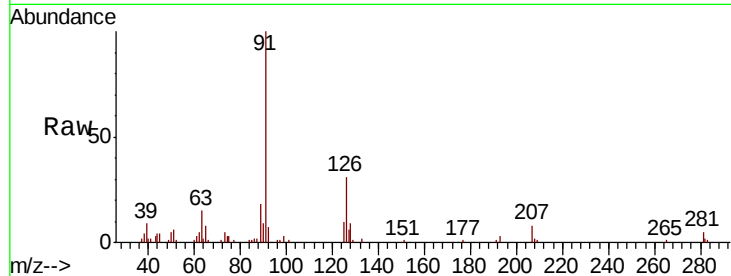




#79
2-Chlorotoluene
Concen: 2.723 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

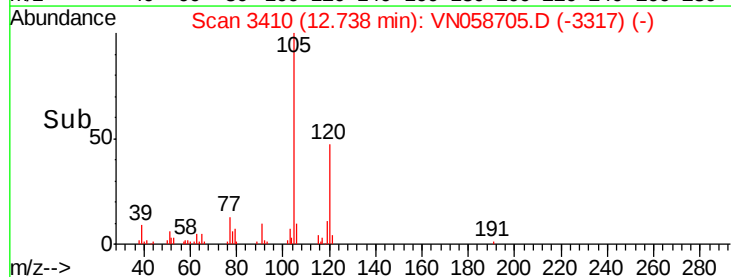
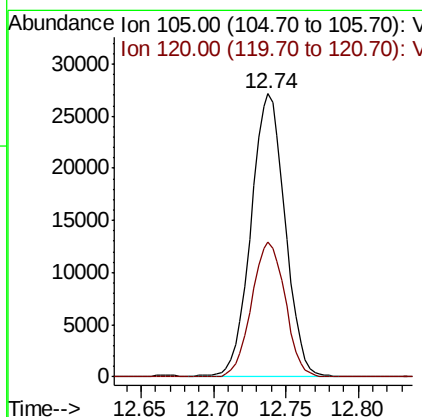
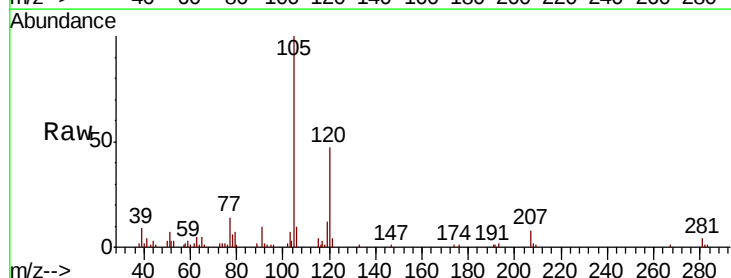
Instrument :
MSVOA_N
ClientSampled :

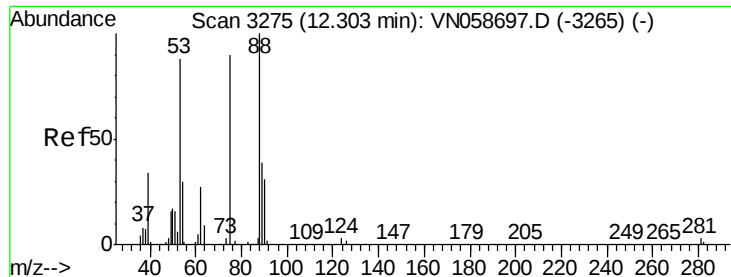
Tot Ion: 91 Resp: 38988
Ion Ratio Lower Upper
91 100
126 31.3 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 2.635 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion: 105 Resp: 44534
Ion Ratio Lower Upper
105 100
120 46.6 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 2.315 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

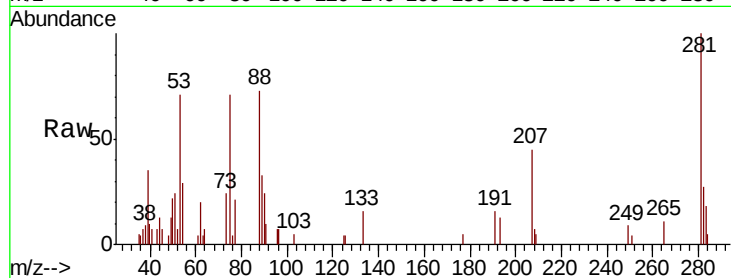
Tot Ion: 75 Resp: 5181

Ion Ratio Lower Upper

75 100

53 116.3 78.4 117.6

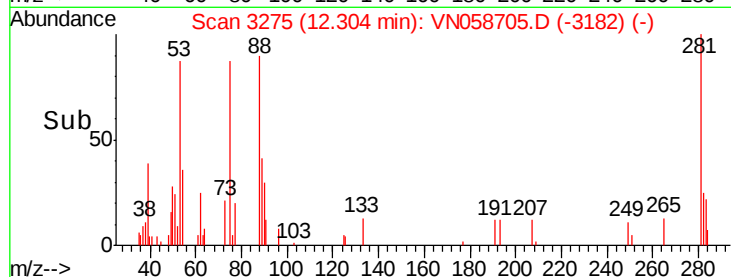
89 54.4 34.9 52.3#



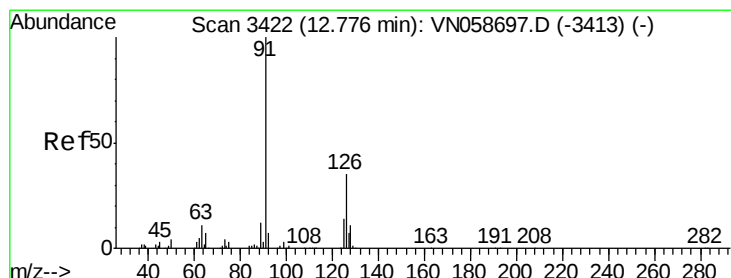
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->



#82

4-Chlorotoluene

Concen: 2.555 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058705.D

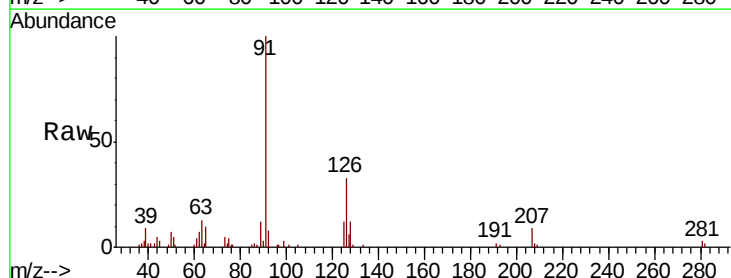
Acq: 11 Oct 2019 15:58

Tgt Ion: 91 Resp: 37533

Ion Ratio Lower Upper

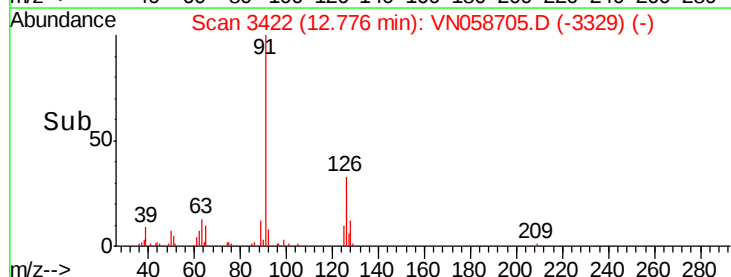
91 100

126 33.6 15.9 47.6

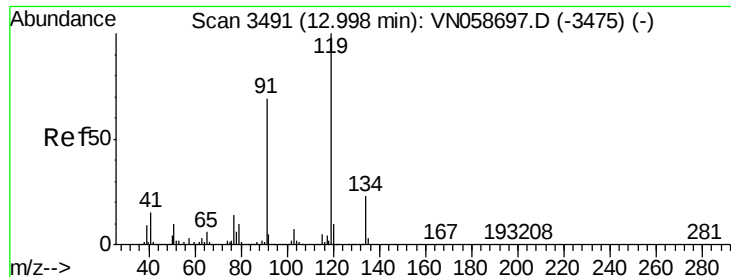


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



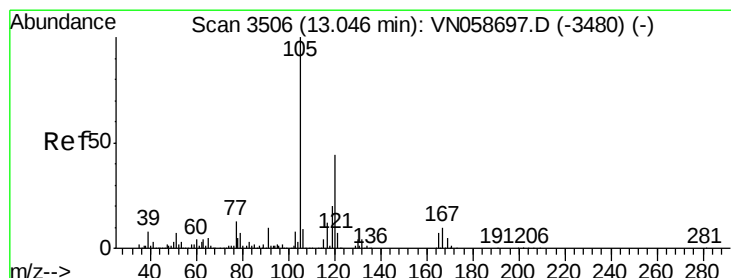
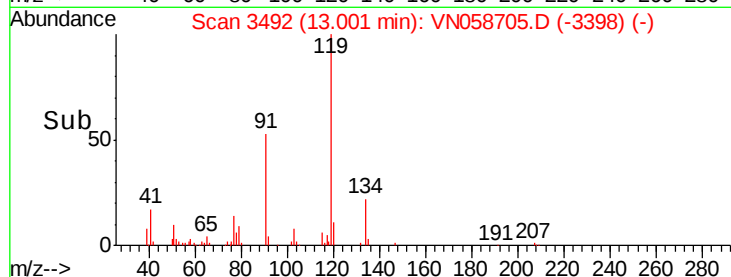
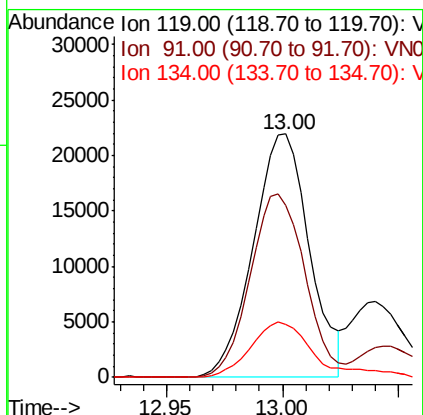
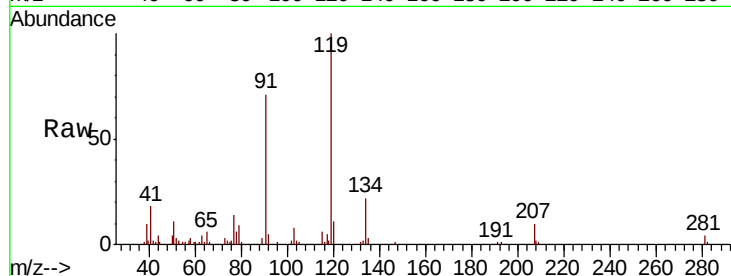
Time-->



#83
tert-Butylbenzene
Concen: 2.558 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

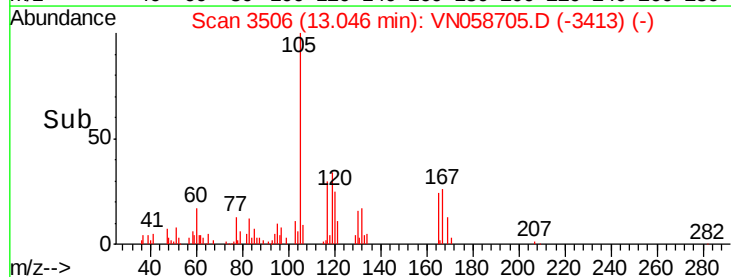
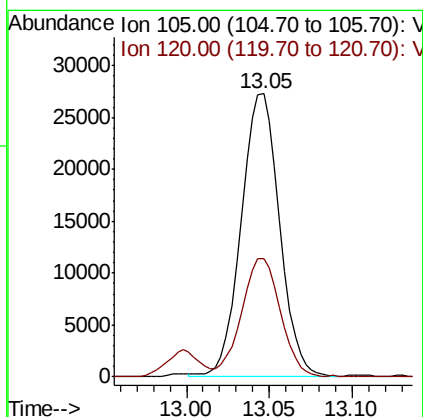
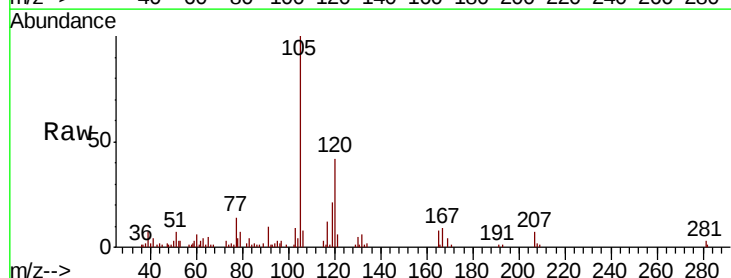
Instrument :
MSVOA_N
ClientSampleId :

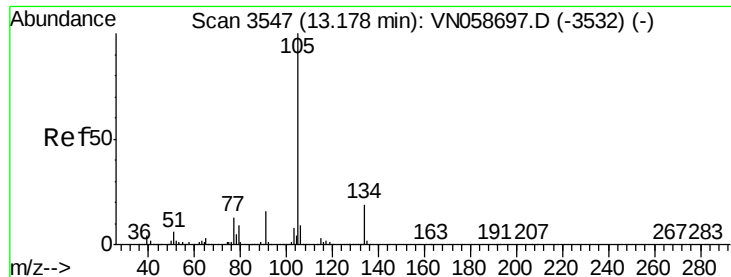
Tot Ion:119 Resp: 37026
Ion Ratio Lower Upper
119 100
91 74.0 33.8 101.3
134 25.8 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 2.623 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058705.D
Acq: 11 Oct 2019 15:58

Tgt Ion:105 Resp: 44006
Ion Ratio Lower Upper
105 100
120 42.1 21.9 65.7

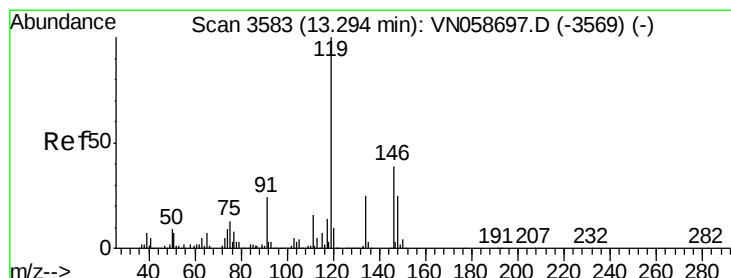
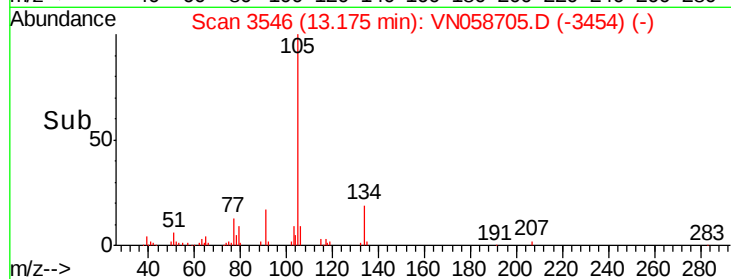
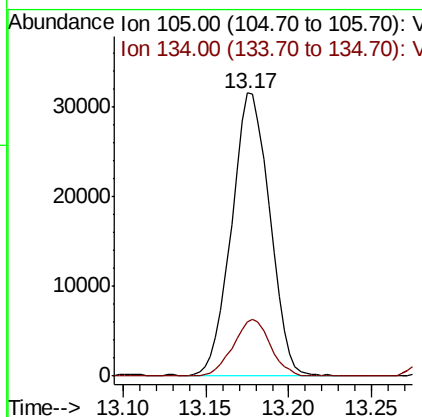
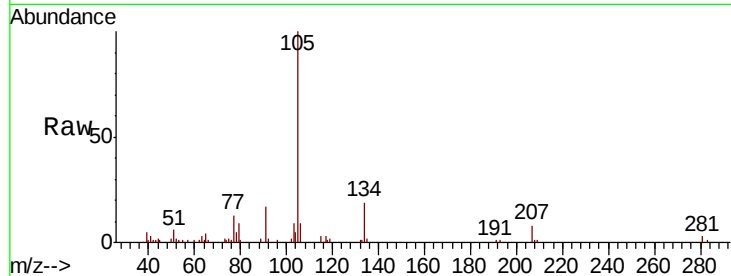




#85
 sec-Butylbenzene
 Concen: 2.655 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

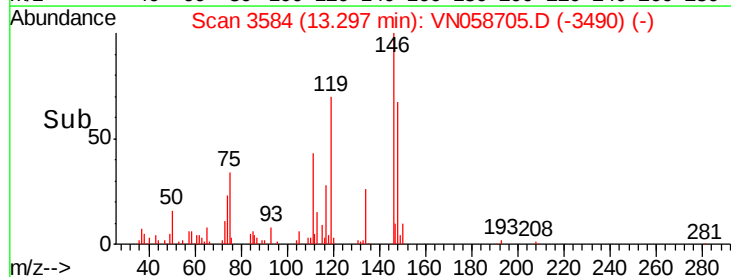
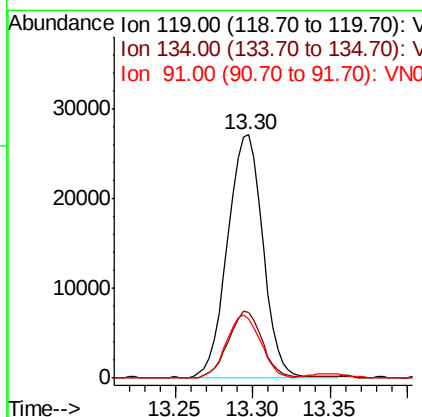
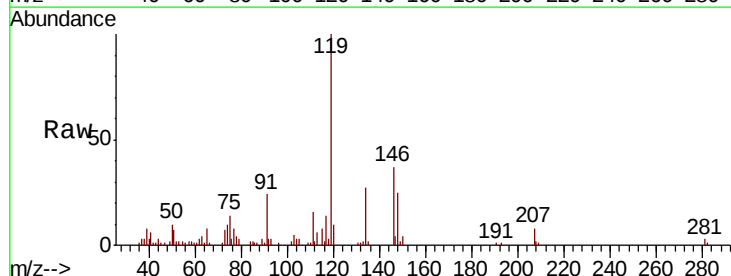
Instrument :
 MSVOA_N
 ClientSampled :

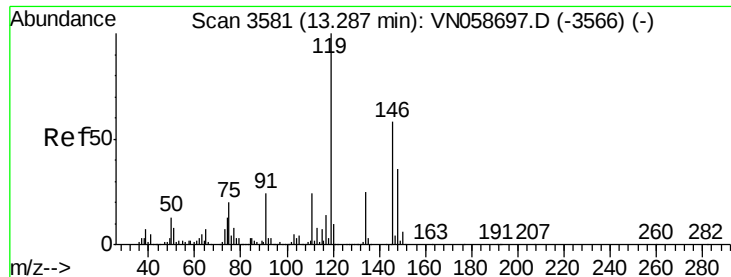
Tot Ion:105 Resp: 50642
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 2.492 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Tgt Ion:119 Resp: 43198
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.7 38.1
 91 24.9 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 2.508 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058705.D

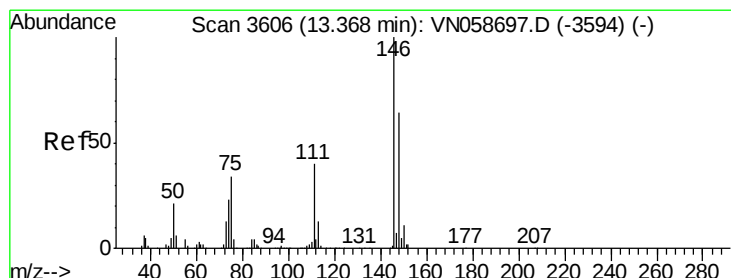
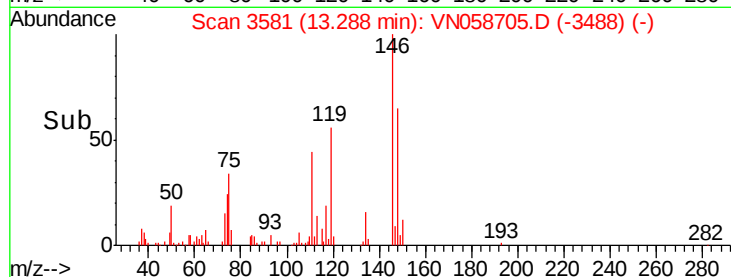
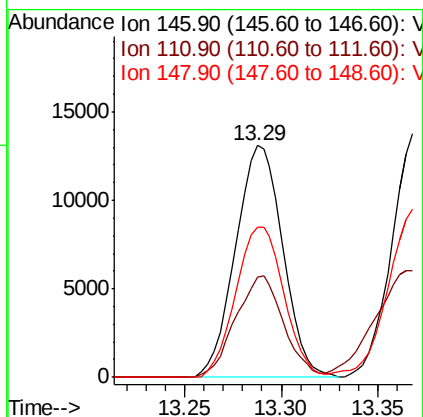
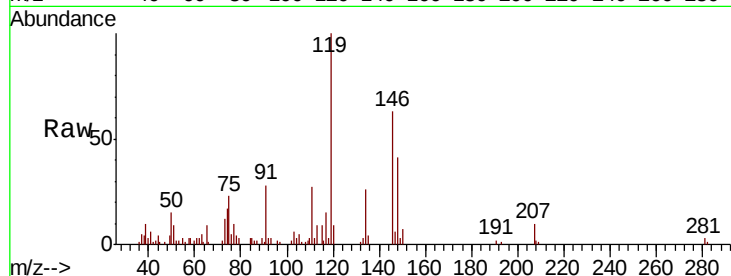
Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146	Resp:	22271
Ion Ratio	Lower	Upper
146	100	
111	44.3	20.5 61.6
148	65.8	31.3 93.9



#88

1,4-Dichlorobenzene

Concen: 2.528 ug/l

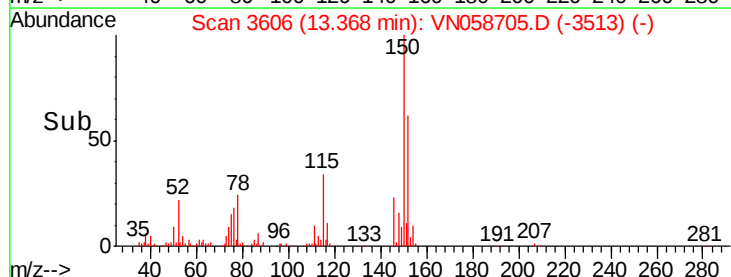
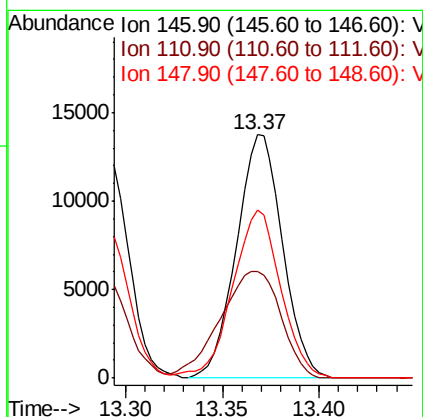
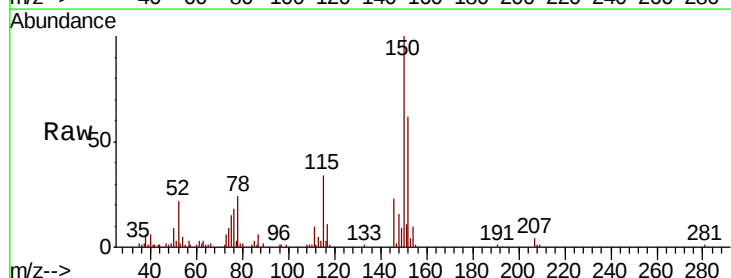
RT: 13.37 min Scan# 3606

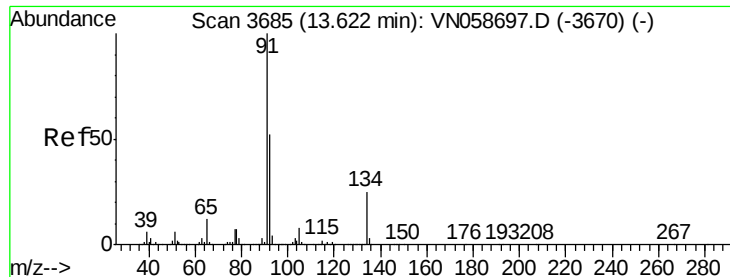
Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Tgt Ion:146	Resp:	22825
Ion Ratio	Lower	Upper
146	100	
111	58.0	20.1 60.2
148	71.9	31.9 95.7





#89

n-Butylbenzene

Concen: 2.402 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

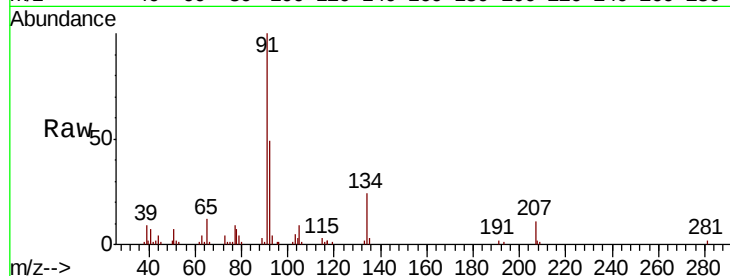
Tot Ion: 91 Resp: 38507

Ion Ratio Lower Upper

91 100

92 48.4 26.0 78.0

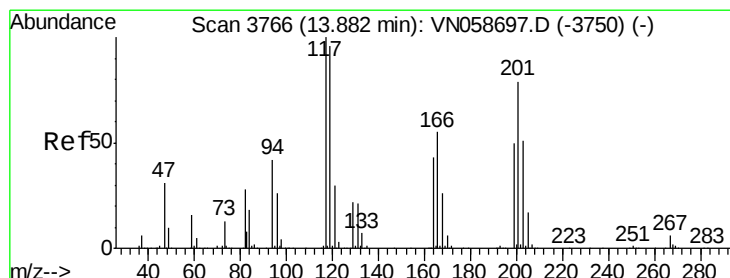
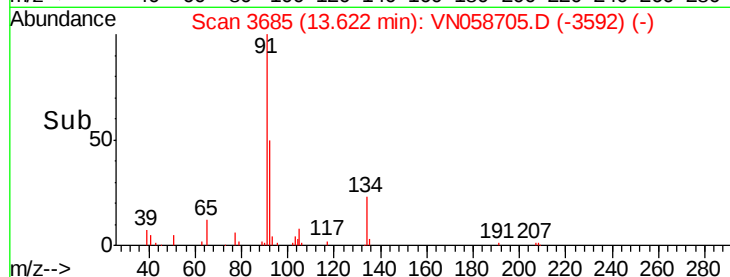
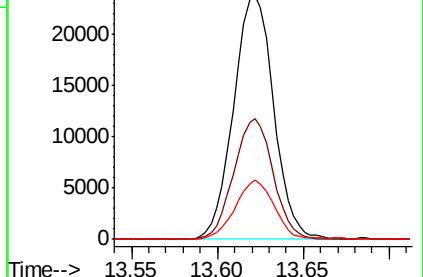
134 23.5 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)



#90

Hexachloroethane

Concen: 2.460 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058705.D

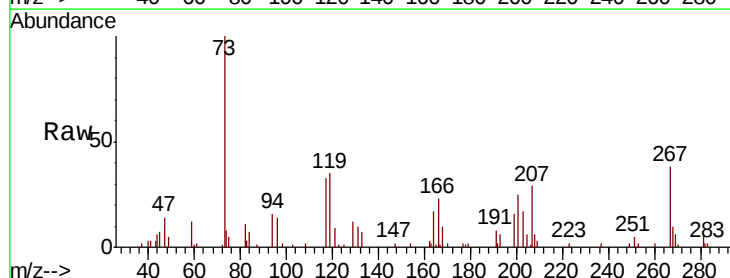
Acq: 11 Oct 2019 15:58

Tgt Ion: 117 Resp: 7630

Ion Ratio Lower Upper

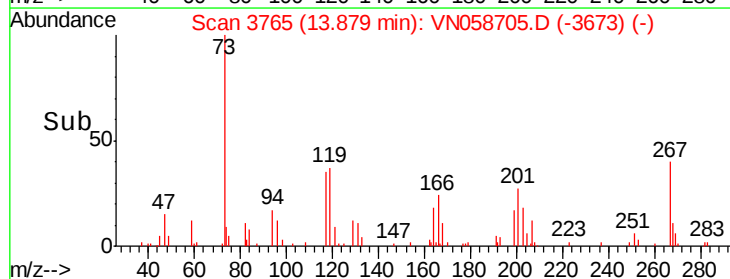
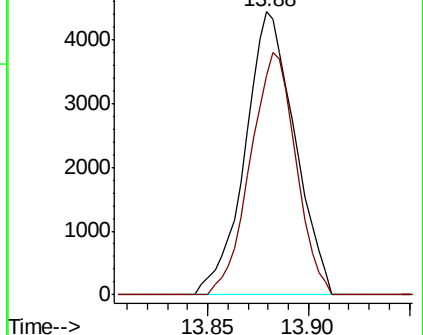
117 100

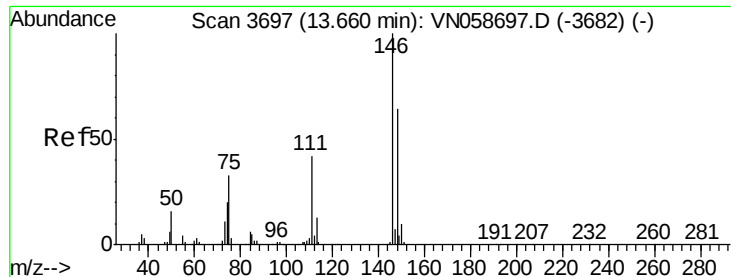
201 78.5 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 2.632 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

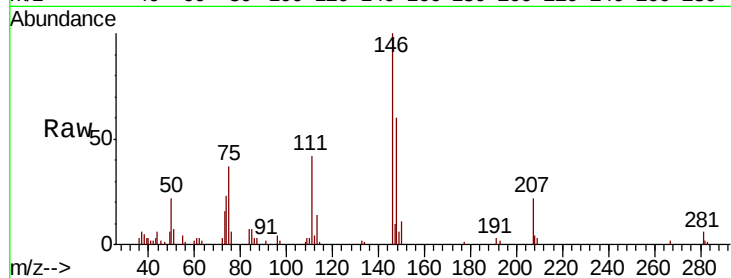
Tot Ion:146 Resp: 22779

Ion Ratio Lower Upper

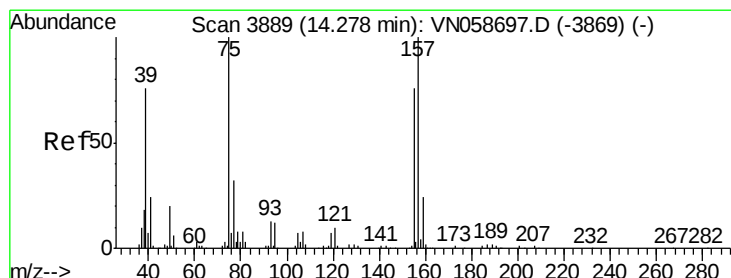
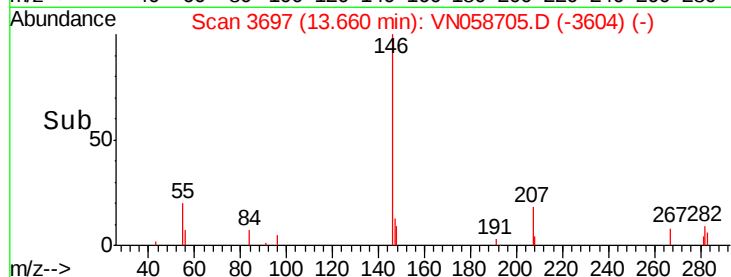
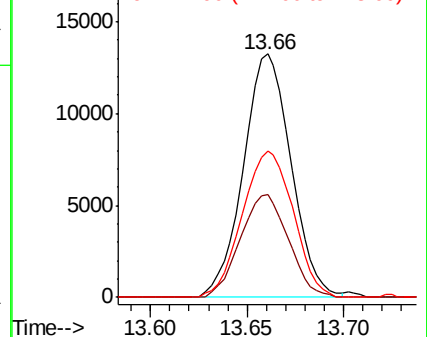
146 100

111 42.5 21.1 63.4

148 63.9 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: 2.782 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

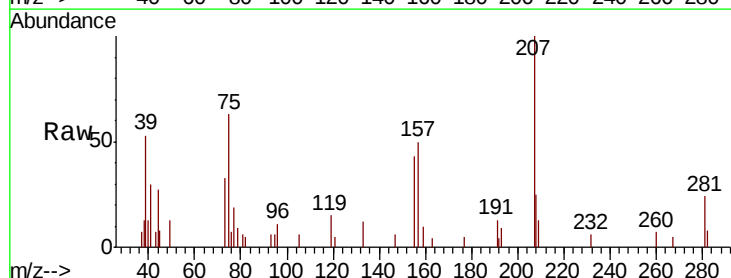
Tgt Ion: 75 Resp: 4238

Ion Ratio Lower Upper

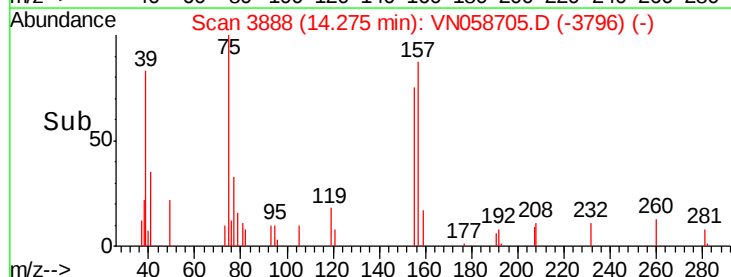
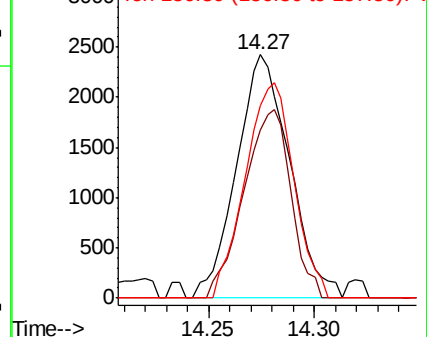
75 100

155 68.8 37.9 113.6

157 80.9 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

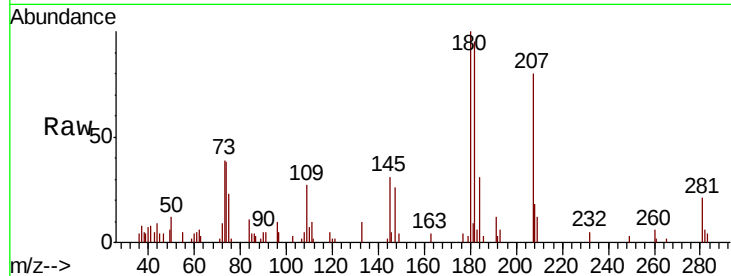




#93
 1,2,4-Trichlorobenzene
 Concen: 2.375 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.4	142.2
145	30.7	15.4	46.2

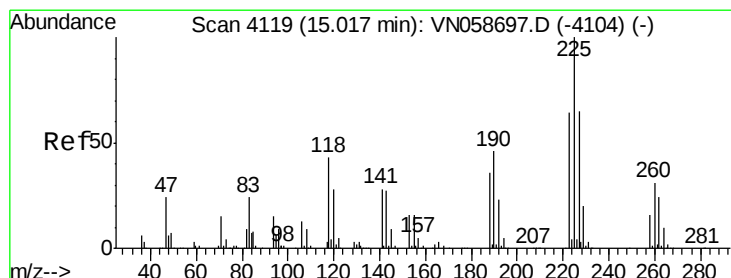
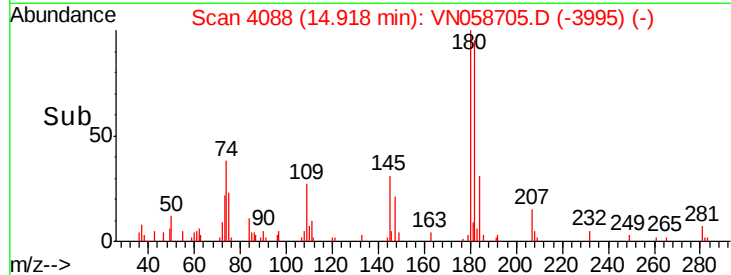
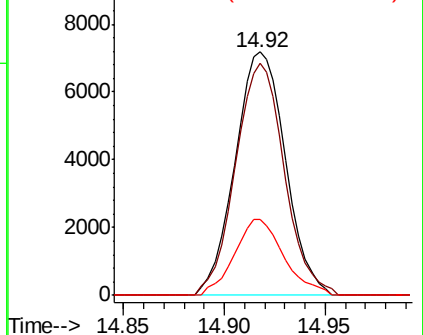


Abundance

Ion 179.80 (179.50 to 180.50): V

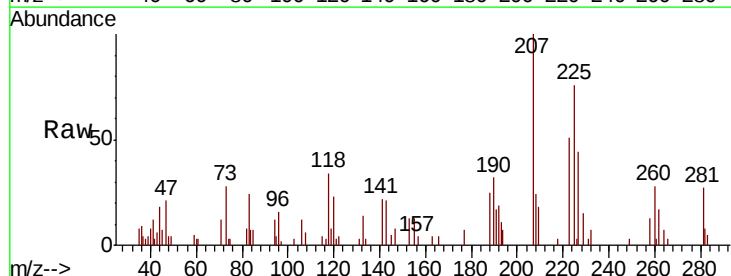
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 2.704 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058705.D
 Acq: 11 Oct 2019 15:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	32.3	96.8
227	61.9	32.4	97.0

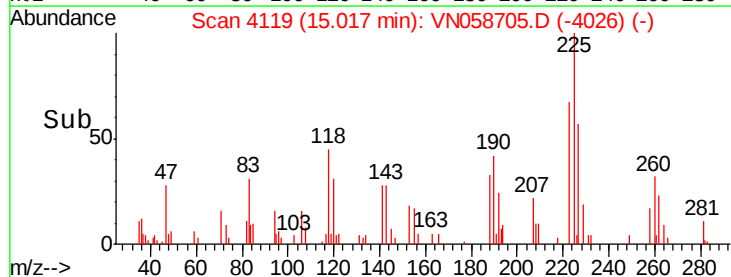
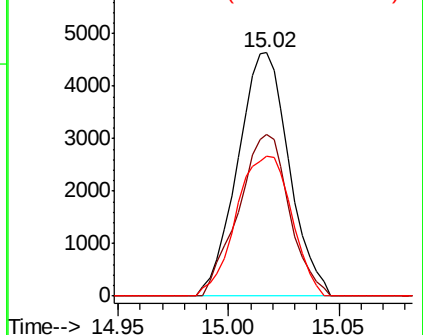


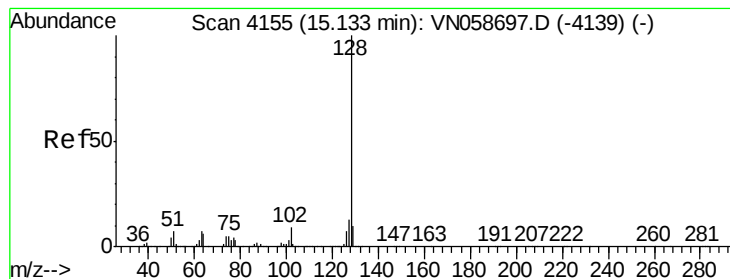
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.151 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

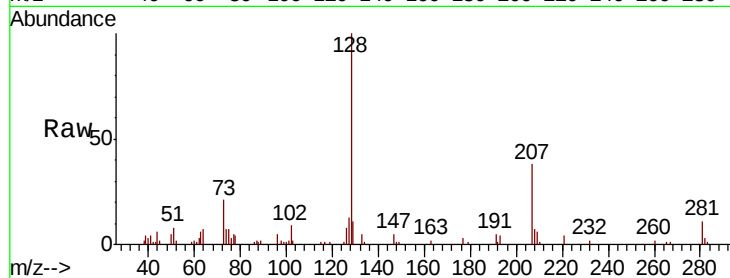
Tot Ion:128 Resp: 32632

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

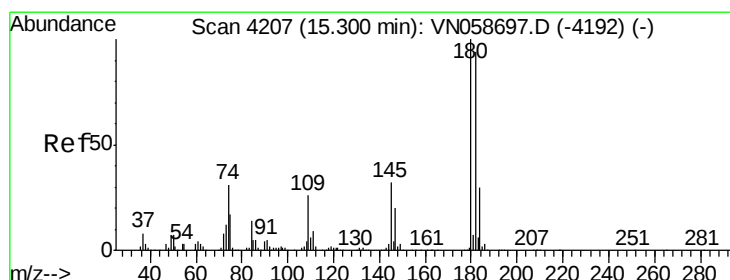
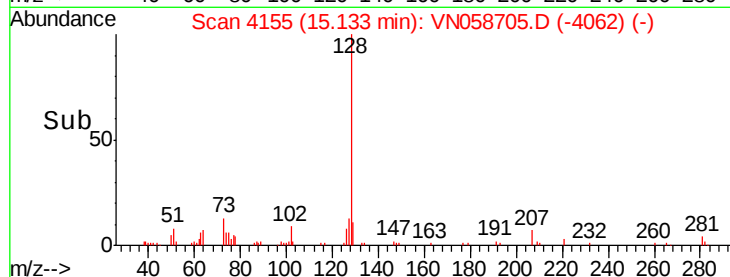
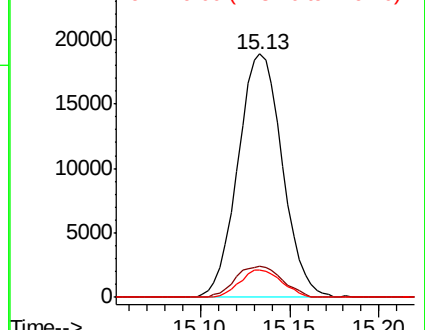
129 10.7 8.5 12.7



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: 2.294 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

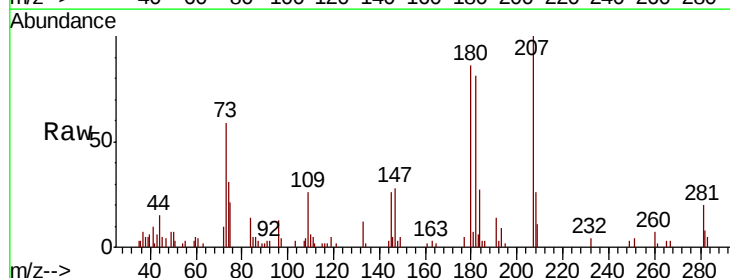
Tgt Ion:180 Resp: 11824

Ion Ratio Lower Upper

180 100

182 97.8 47.3 142.0

145 31.7 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

