

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058757.D
 Acq On : 14 Oct 2019 18:23
 Operator : JC/SP
 Sample : VN1014WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 03:14:22 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	387841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	632078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	580538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276695	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	282345	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
35) Dibromofluoromethane	7.57	113	207003	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.08	98	796584	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.41	95	287435	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	106403	22.028	ug/l	98
3) Chloromethane	2.04	50	121902	21.223	ug/l	100
4) Vinyl Chloride	2.17	62	122016	21.329	ug/l	100
5) Bromomethane	2.54	94	74399	21.378	ug/l	97
6) Chloroethane	2.68	64	76954	21.808	ug/l	97
7) Trichlorofluoromethane	3.00	101	149758	21.874	ug/l	100
8) Diethyl Ether	3.39	74	50831	20.094	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82694	21.183	ug/l	98
10) Methyl Iodide	3.93	142	106904	20.068	ug/l	97
11) Tert butyl alcohol	4.76	59	90204	102.580	ug/l	100
12) 1,1-Dichloroethene	3.72	96	79421	21.323	ug/l	93
13) Acrolein	3.59	56	57816	81.751	ug/l	96
14) Allyl chloride	4.30	41	148798	19.796	ug/l	98
15) Acrylonitrile	4.96	53	239557	108.026	ug/l	99
16) Acetone	3.80	43	218283	97.107	ug/l	99
17) Carbon Disulfide	4.03	76	242947	20.405	ug/l	100
18) Methyl Acetate	4.30	43	123477	21.655	ug/l	96
19) Methyl tert-butyl Ether	5.02	73	278648	20.951	ug/l	96
20) Methylene Chloride	4.53	84	94518	20.119	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	86385	20.734	ug/l	100
22) Diisopropyl ether	5.93	45	308169	21.086	ug/l	97
23) Vinyl Acetate	5.87	43	1306183	110.762	ug/l	99
24) 1,1-Dichloroethane	5.82	63	176738	21.233	ug/l	100
25) 2-Butanone	6.81	43	333398	102.614	ug/l	99
26) 2,2-Dichloropropane	6.81	77	141246	18.590	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	99638	20.508	ug/l	98
28) Bromochloromethane	7.17	49	60903	21.032	ug/l	99
29) Tetrahydrofuran	7.19	42	225776	107.531	ug/l	99
30) Chloroform	7.35	83	176847	21.147	ug/l	99
31) Cyclohexane	7.64	56	159591	20.039	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	153397	21.508	ug/l	99
36) 1,1-Dichloropropene	7.78	75	128869	20.165	ug/l	99
37) Ethyl Acetate	6.91	43	143107	22.142	ug/l	98
38) Carbon Tetrachloride	7.76	117	136531	21.921	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	145721	19.650	ug/l	99
40) Benzene	8.03	78	386570	21.062	ug/l	99
41) Methacrylonitrile	7.19	41	207336	68.531	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	150845	21.392	ug/l	100
43) Isopropyl Acetate	8.15	43	225660	20.495	ug/l	100
44) Trichloroethene	8.82	130	93807	20.581	ug/l	100
45) 1,2-Dichloropropane	9.11	63	104422	21.252	ug/l	97
46) Dibromomethane	9.20	93	67179	21.565	ug/l	98
47) Bromodichloromethane	9.39	83	136751	21.557	ug/l	98
48) Methyl methacrylate	9.19	41	101520	20.341	ug/l	99
49) 1,4-Dioxane	9.19	88	35350	457.834	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	709322	114.711	ug/l	98
52) Toluene	10.15	92	235081	20.941	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	147243	20.238	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	161483	20.904	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	93686	20.390	ug/l	98
56) Ethyl methacrylate	10.43	69	138342	20.610	ug/l	99
57) 1,3-Dichloropropane	10.71	76	164982	21.072	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	325742	100.697	ug/l	100
59) 2-Hexanone	10.75	43	519250	108.660	ug/l	98
60) Dibromochloromethane	10.90	129	98951	20.877	ug/l	99
61) 1,2-Dibromoethane	11.00	107	96329	20.927	ug/l	99
64) Tetrachloroethene	10.63	164	84819	20.877	ug/l	96
65) Chlorobenzene	11.43	112	246073	20.872	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	94501	21.677	ug/l	98
67) Ethyl Benzene	11.51	91	442346	21.048	ug/l	99
68) m/p-Xylenes	11.62	106	326799	41.437	ug/l	98
69) o-Xylene	11.95	106	156779	20.546	ug/l	98
70) Styrene	11.97	104	256973	20.547	ug/l	99
71) Bromoform	12.13	173	67931	21.259	ug/l #	100
73) Isopropylbenzene	12.25	105	427343	21.326	ug/l	100
74) N-amyl acetate	12.07	43	191719	21.302	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	144578	21.901	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	189504	31.220	ug/l #	100
77) Bromobenzene	12.53	156	101816	20.889	ug/l	100
78) n-propylbenzene	12.60	91	508867	21.792	ug/l	99
79) 2-Chlorotoluene	12.68	91	303985	20.974	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	364168	21.286	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42852	18.910	ug/l	88
82) 4-Chlorotoluene	12.78	91	313978	21.112	ug/l	99
83) tert-Butylbenzene	13.00	119	302896	20.667	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	358202	21.091	ug/l	98
85) sec-Butylbenzene	13.18	105	417594	21.624	ug/l	100
86) p-Isopropyltoluene	13.29	119	370194	21.092	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	182736	20.329	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	181818	19.894	ug/l	98
89) n-Butylbenzene	13.62	91	328524	20.243	ug/l	99
90) Hexachloroethane	13.88	117	67820	21.595	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	184015	21.004	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	31620	20.503	ug/l	94

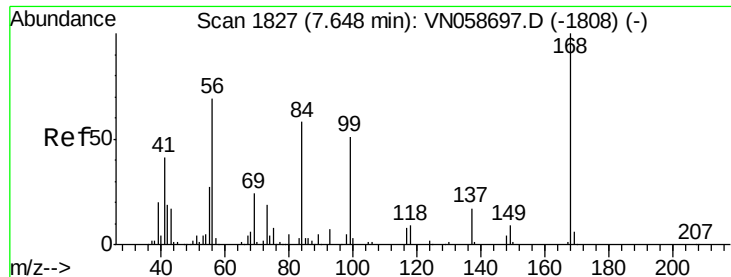
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	102461	19.172	ug/l	100
94) Hexachlorobutadiene	15.02	225	54700	19.436	ug/l	99
95) Naphthalene	15.13	128	294460	19.171	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	101177	19.391	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

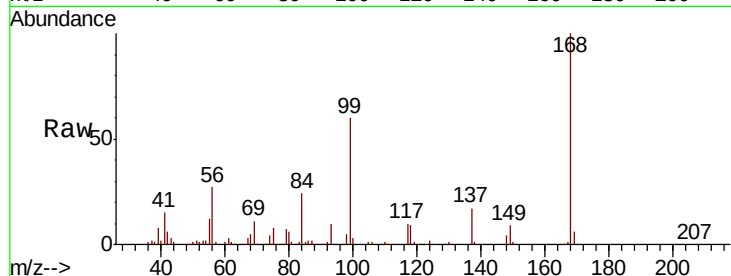
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 387841

Ion Ratio Lower Upper

168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

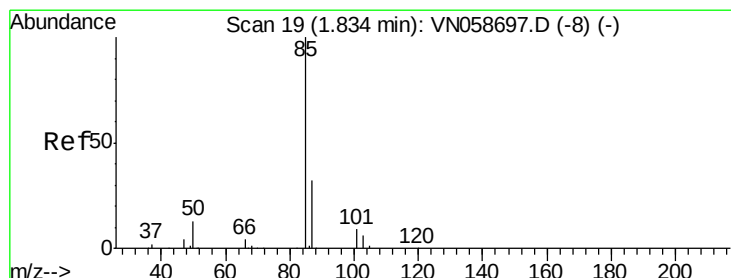
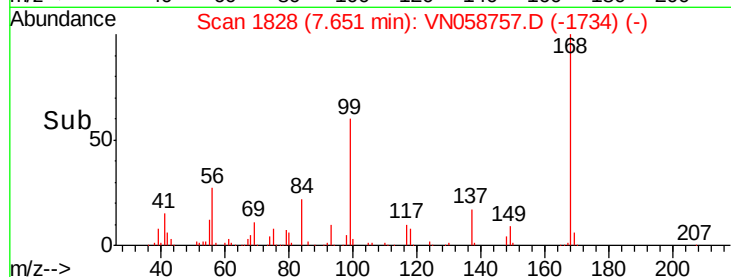
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.028 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058757.D

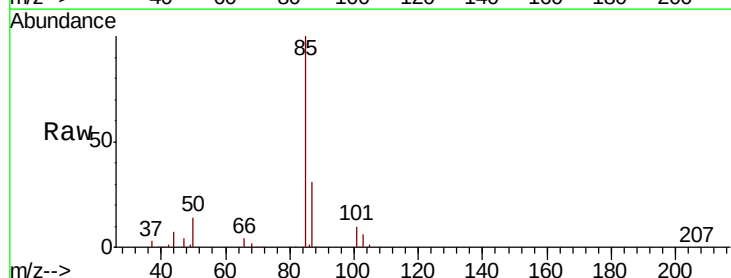
Acq: 14 Oct 2019 18:23

Tgt Ion: 85 Resp: 106403

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

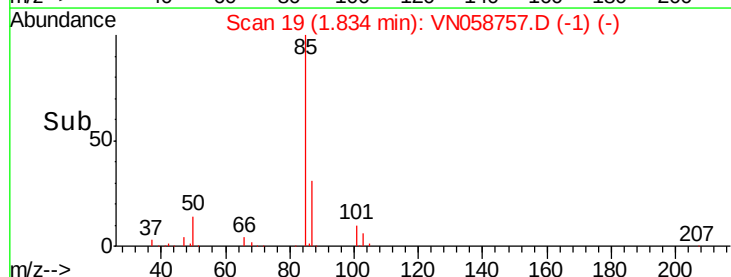
40000

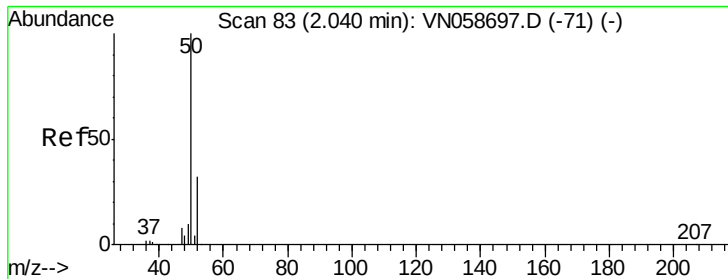
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.223 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

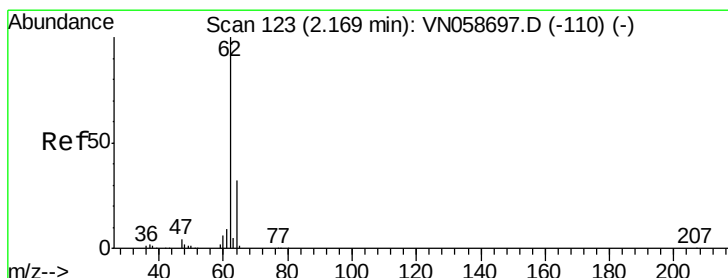
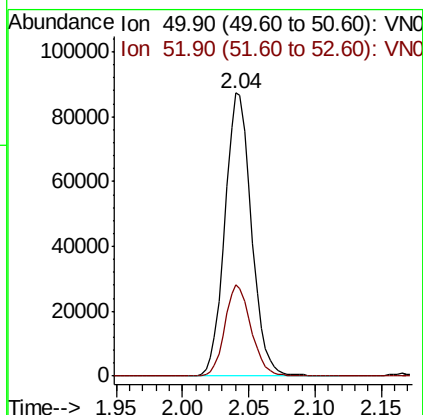
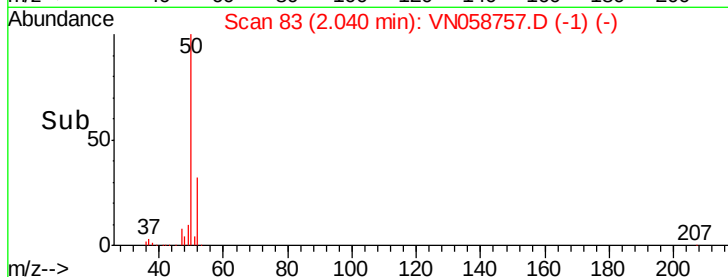
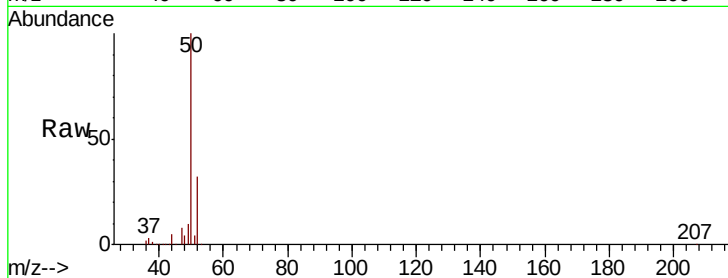
ClientSampleId :

Tot Ion: 50 Resp: 121902

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



#4

Vinyl Chloride

Concen: 21.329 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058757.D

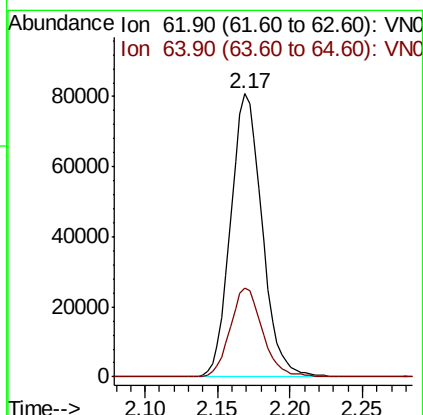
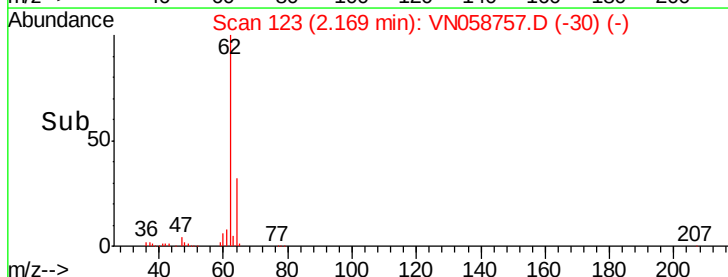
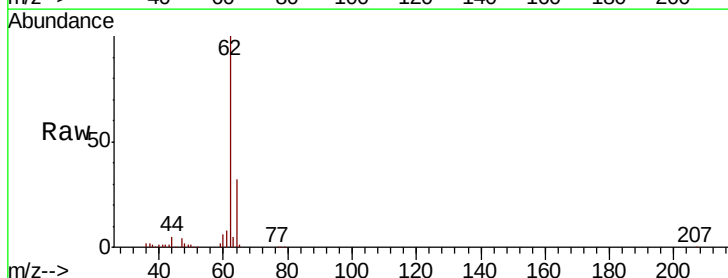
Acq: 14 Oct 2019 18:23

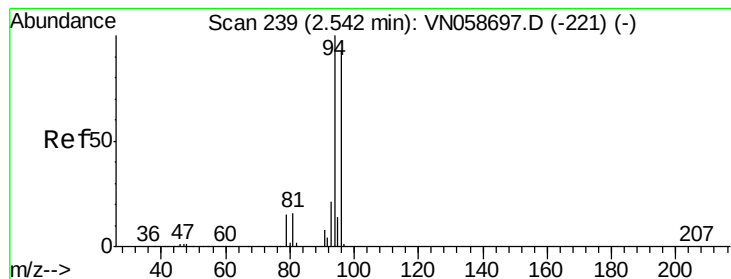
Tgt Ion: 62 Resp: 122016

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 21.378 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

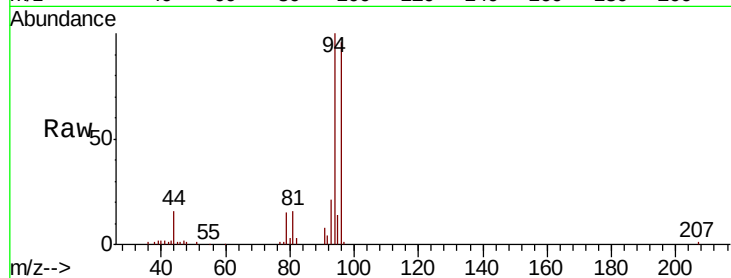
ClientSampleId :

Tot Ion: 94 Resp: 74399

Ion Ratio Lower Upper

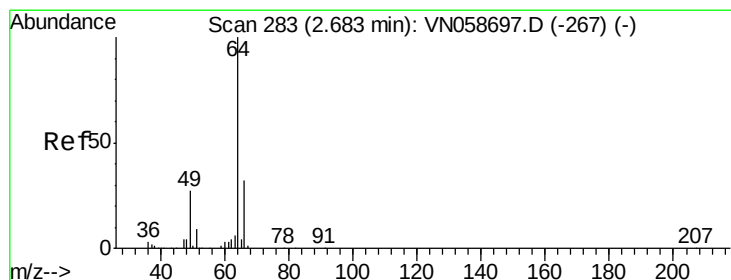
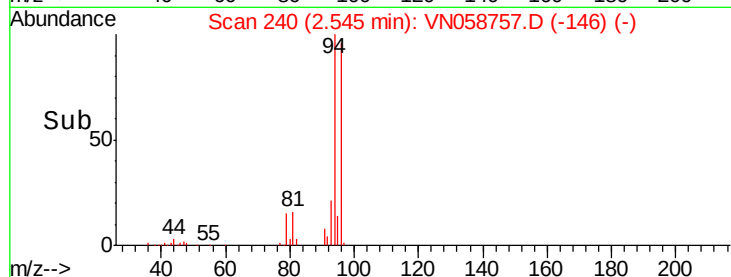
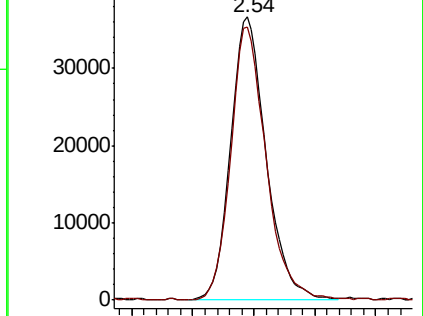
94 100

96 96.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.808 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058757.D

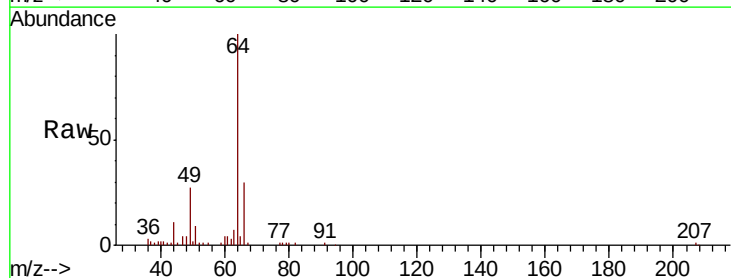
Acq: 14 Oct 2019 18:23

Tgt Ion: 64 Resp: 76954

Ion Ratio Lower Upper

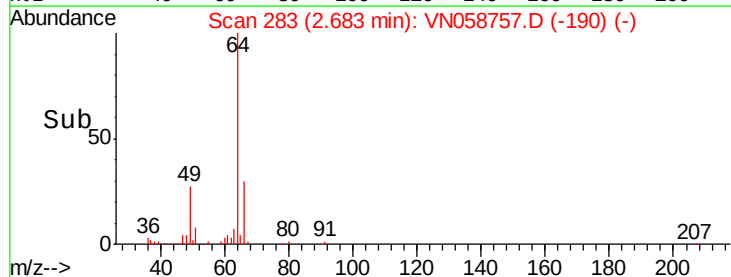
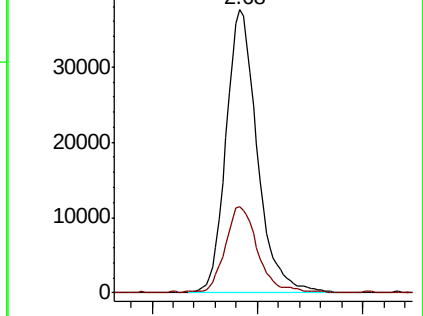
64 100

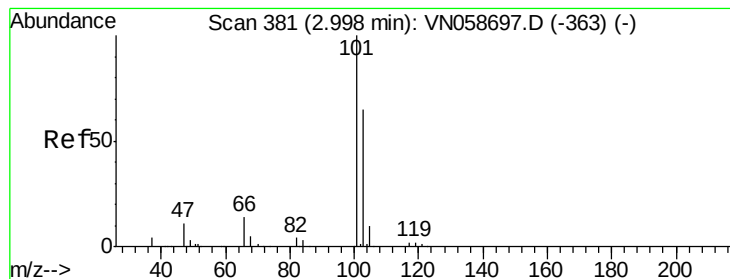
66 30.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 21.874 ug/l

RT: 3.00 min Scan# 380

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

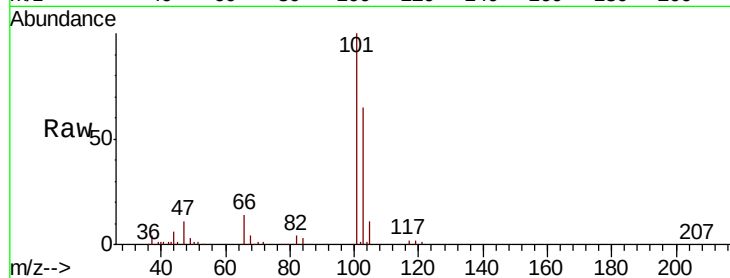
ClientSampleId :

Tot Ion:101 Resp: 149758

Ion Ratio Lower Upper

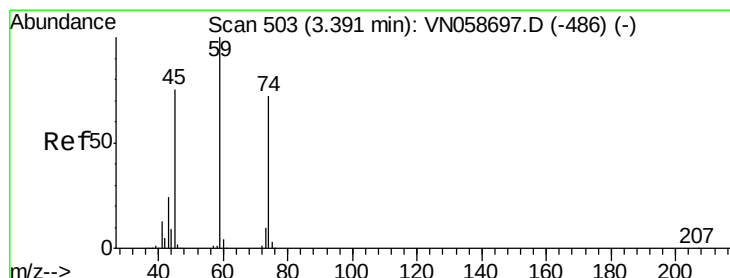
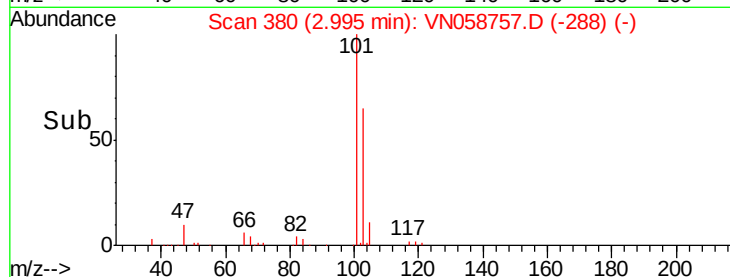
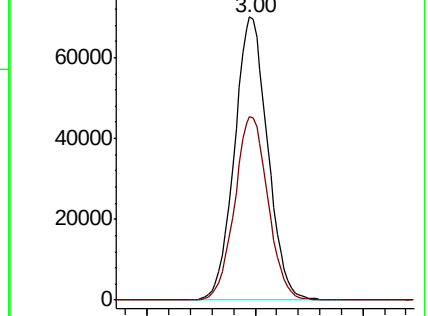
101 100

103 64.7 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.094 ug/l

RT: 3.39 min Scan# 503

Delta R.T. -0.00 min

Lab File: VN058757.D

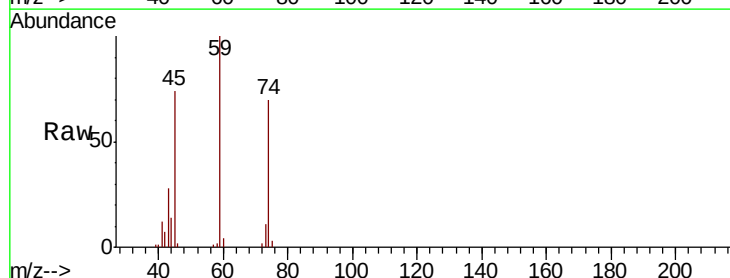
Acq: 14 Oct 2019 18:23

Tgt Ion: 74 Resp: 50831

Ion Ratio Lower Upper

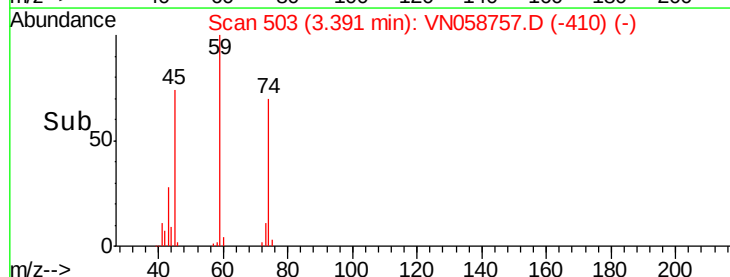
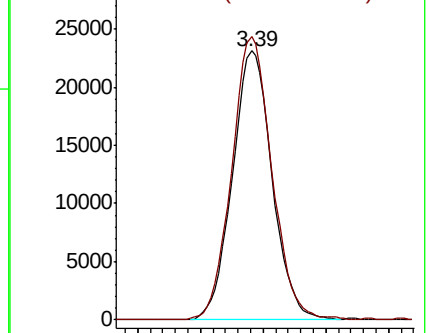
74 100

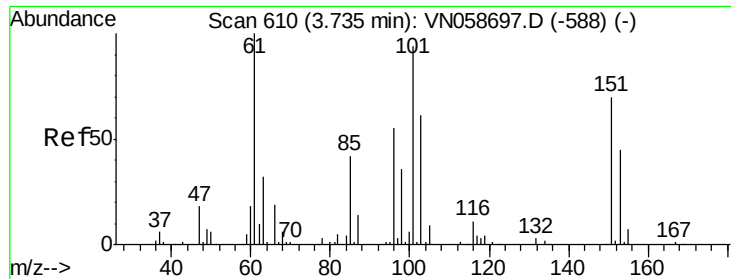
45 106.0 51.3 154.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.183 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :
MSVOA_N
ClientSampleId :

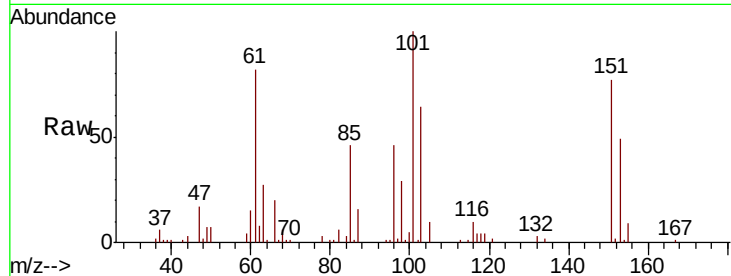
Tot Ion:101 Resp: 82694

Ion Ratio Lower Upper

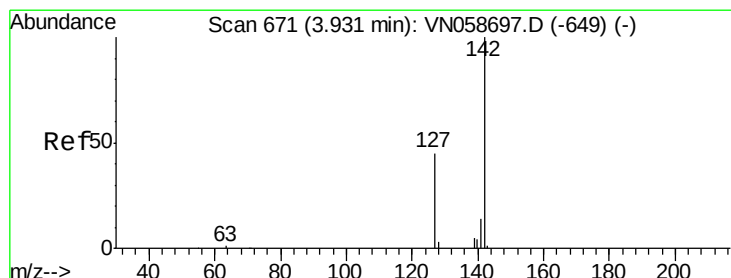
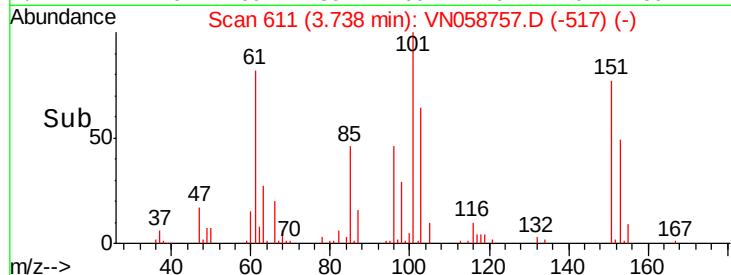
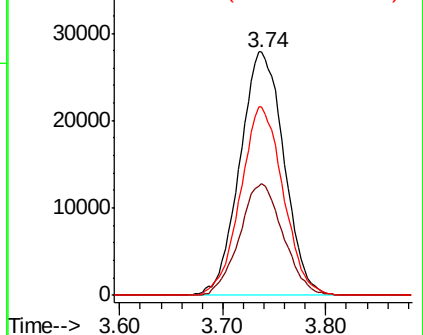
101 100

85 45.4 37.0 55.6

151 75.1 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.068 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

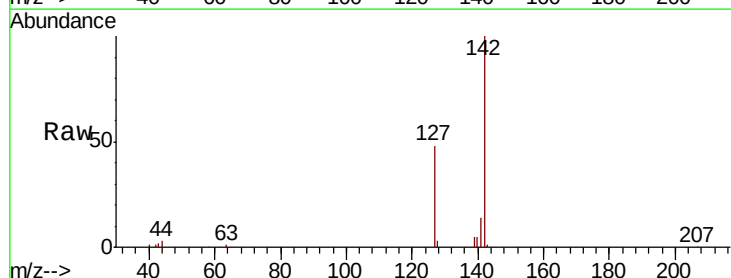
Tgt Ion:142 Resp: 106904

Ion Ratio Lower Upper

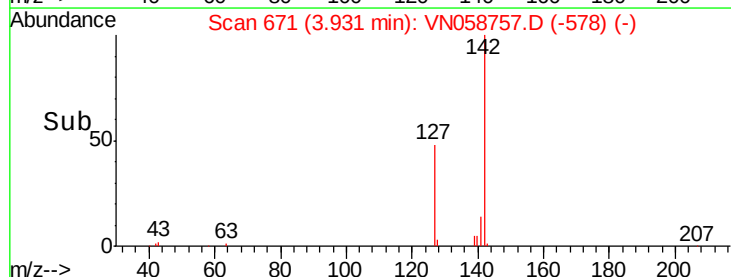
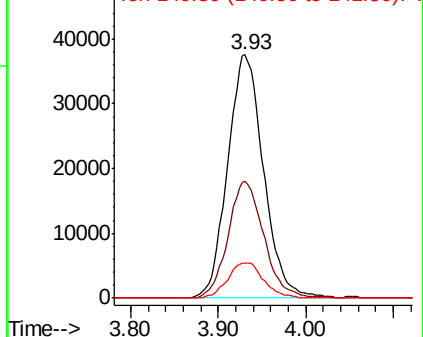
142 100

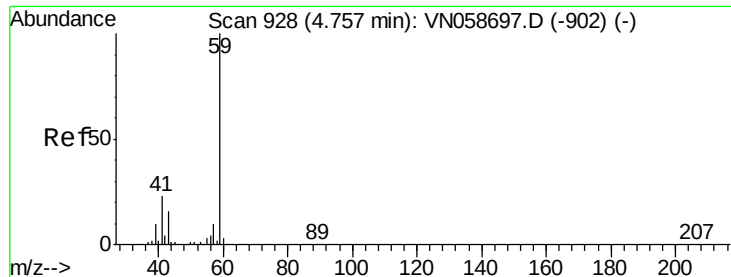
127 47.6 36.4 54.6

141 14.5 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



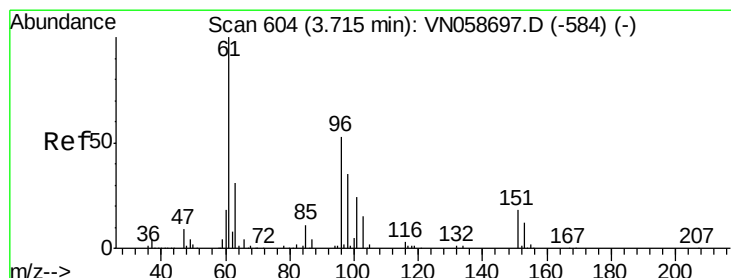
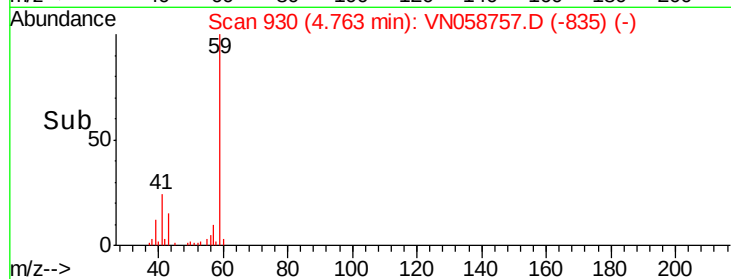
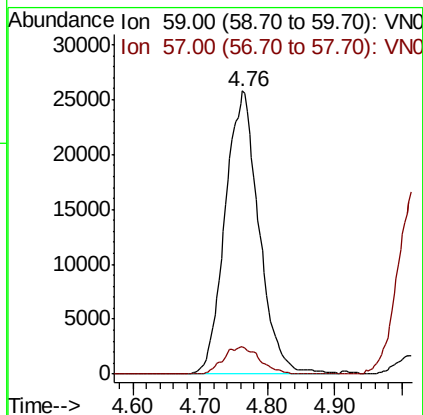
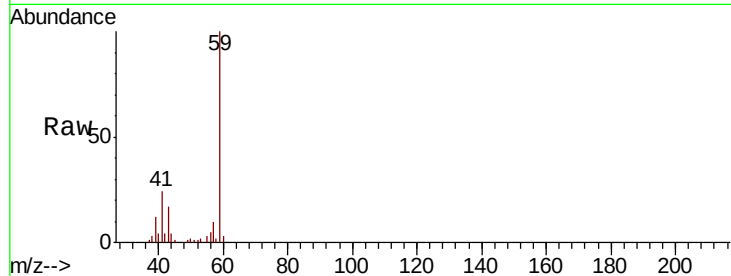


#11

Tert butyl alcohol
Concen: 102.580 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Instrument :
MSVOA_N
ClientSampled :

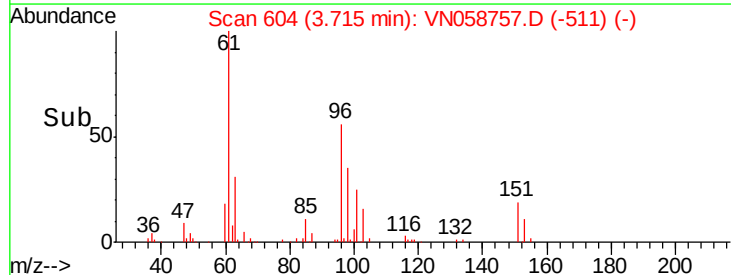
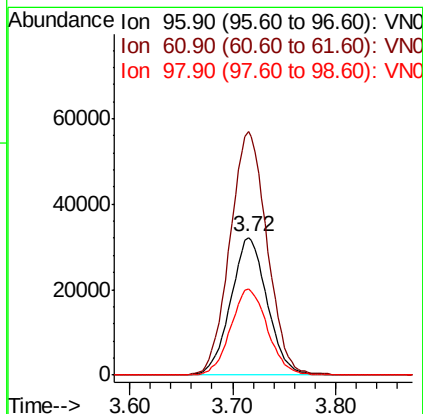
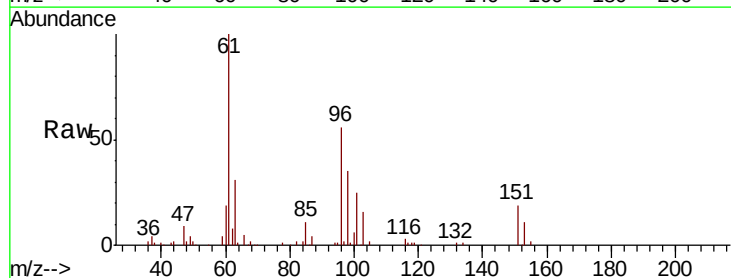
Tot Ion: 59 Resp: 90204
Ion Ratio Lower Upper
59 100
57 10.3 8.4 12.6

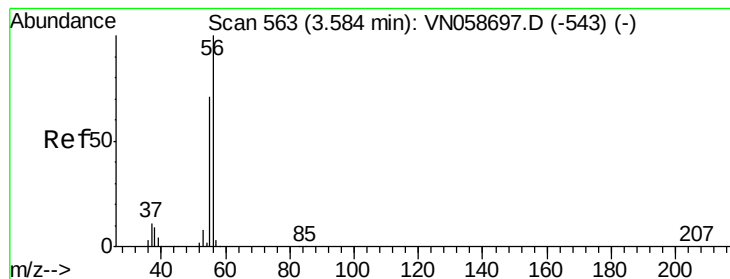


#12

1,1-Dichloroethene
Concen: 21.323 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 96 Resp: 79421
Ion Ratio Lower Upper
96 100
61 176.7 151.3 226.9
98 62.4 52.6 78.8





#13

Acrolein

Concen: 81.751 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

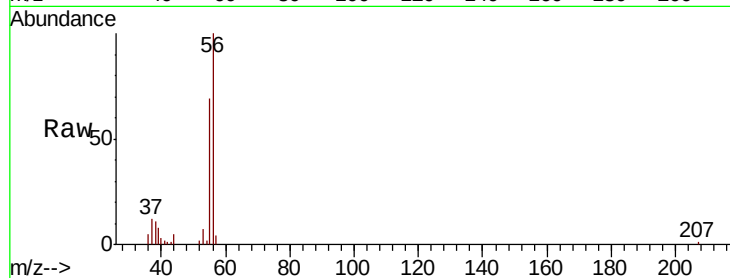
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 57816

Ion Ratio Lower Upper

56 100

55 74.2 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN058697.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN058697.D (-543) (-)

3.59

25000

20000

15000

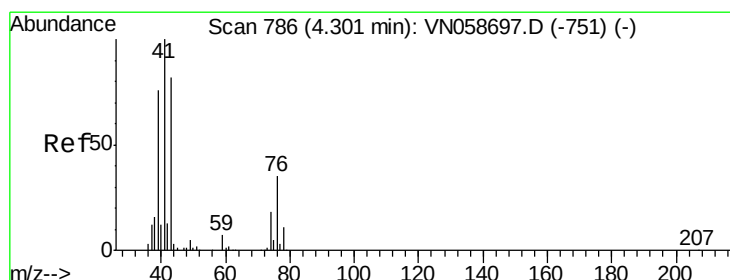
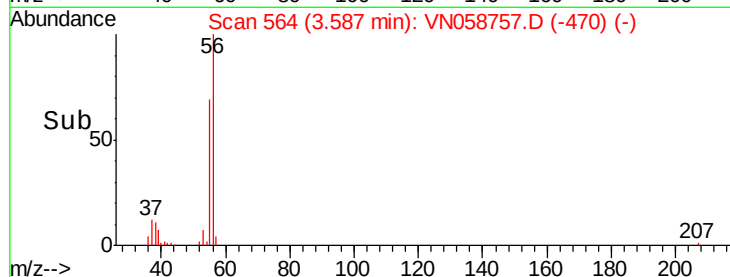
10000

5000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 19.796 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

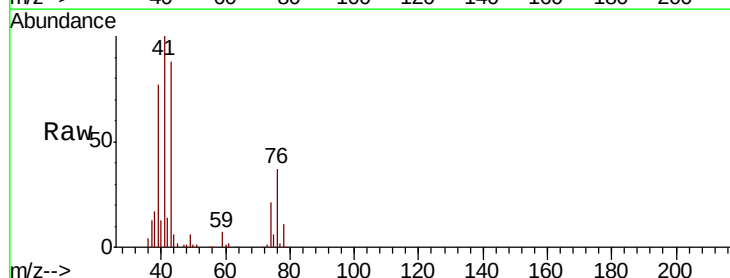
Tgt Ion: 41 Resp: 148798

Ion Ratio Lower Upper

41 100

39 73.6 57.2 85.8

76 32.4 25.0 37.6



Abundance Ion 41.00 (40.70 to 41.70): VN058697.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN058697.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN058697.D (-751) (-)

4.30

60000

50000

40000

30000

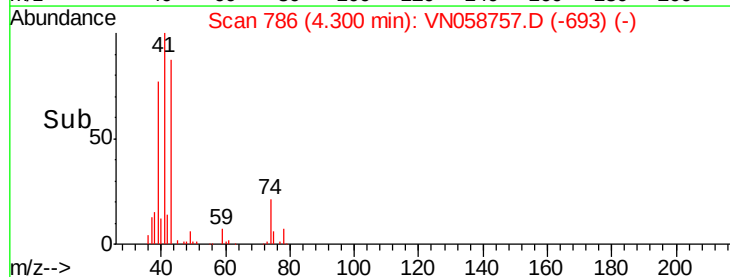
20000

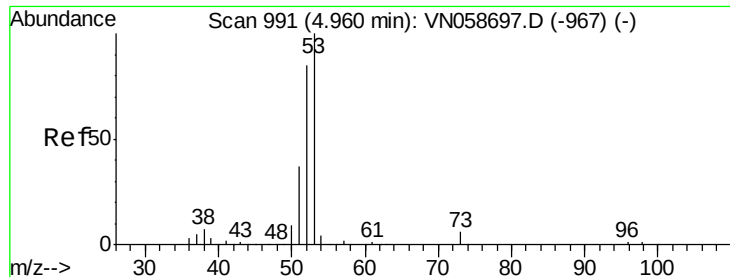
10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 108.026 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

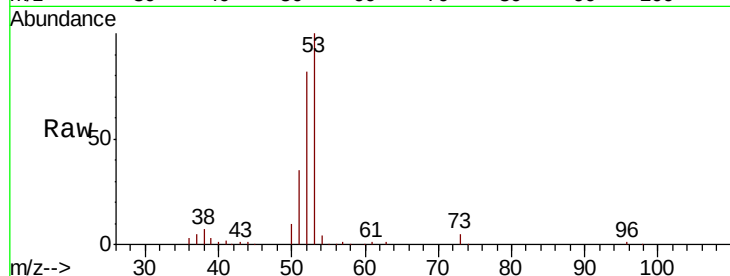
Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

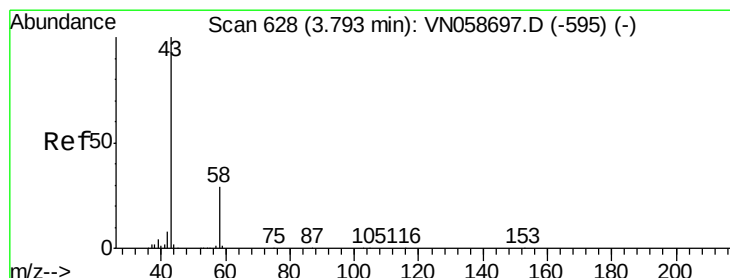
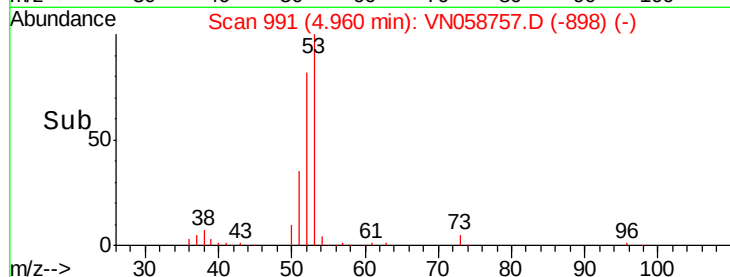
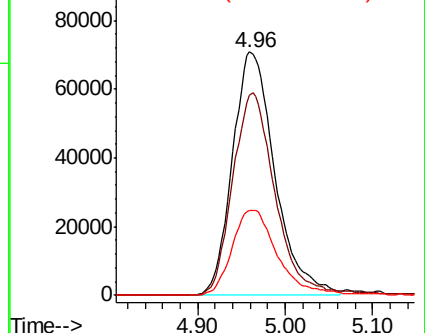
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 239557

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	37.3	29.4	44.2



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 97.107 ug/l

RT: 3.80 min Scan# 629

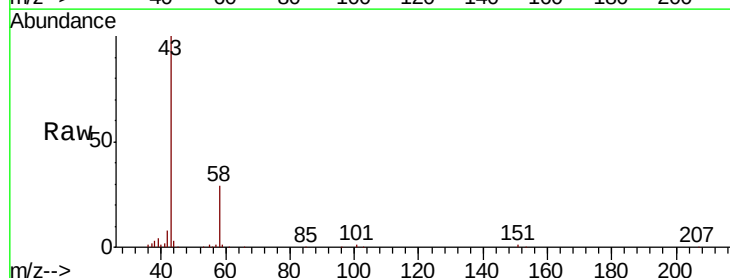
Delta R.T. 0.00 min

Lab File: VN058757.D

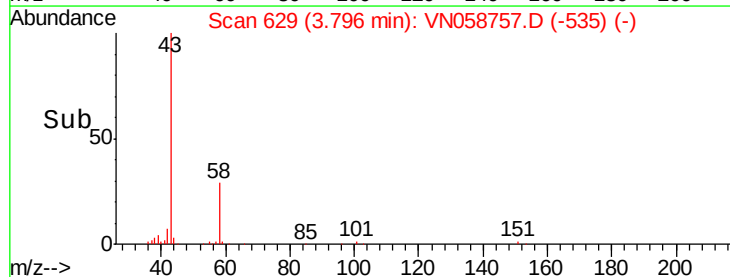
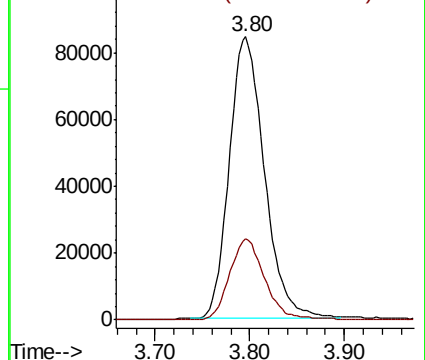
Acq: 14 Oct 2019 18:23

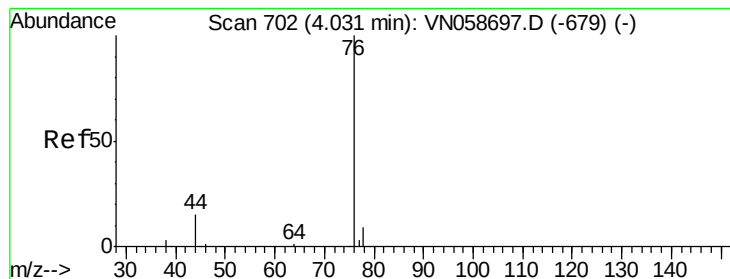
Tgt Ion: 43 Resp: 218283

Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.3	34.9



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





#17

Carbon Disulfide

Concen: 20.405 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

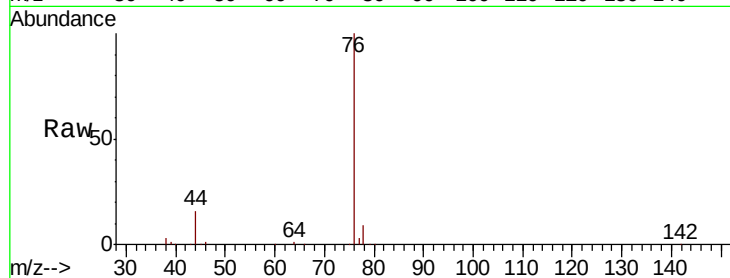
ClientSampled :

Tot Ion: 76 Resp: 242947

Ion Ratio Lower Upper

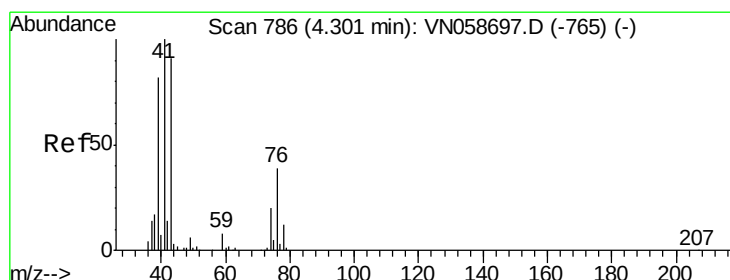
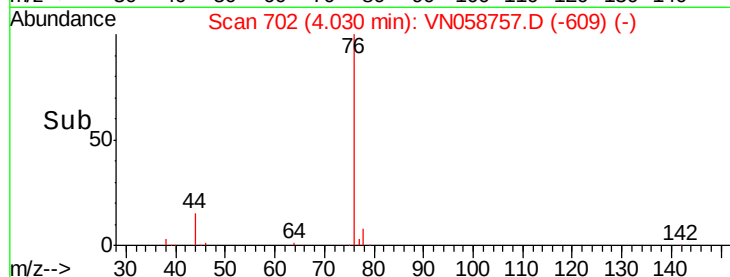
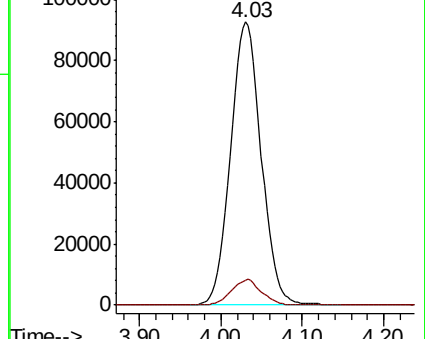
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN058757.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN058757.D (-609) (-)



#18

Methyl Acetate

Concen: 21.655 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058757.D

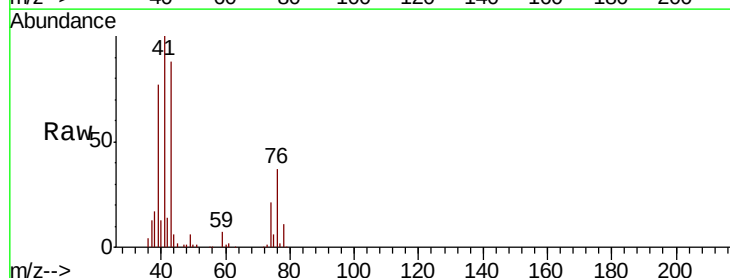
Acq: 14 Oct 2019 18:23

Tgt Ion: 43 Resp: 123477

Ion Ratio Lower Upper

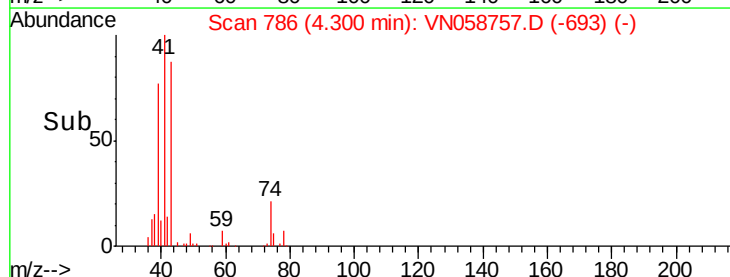
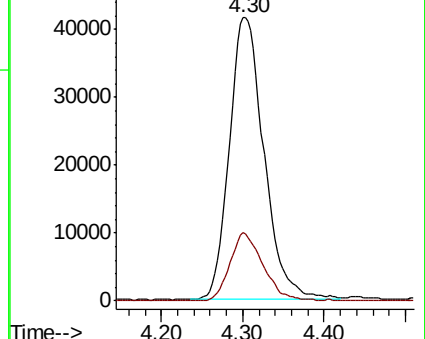
43 100

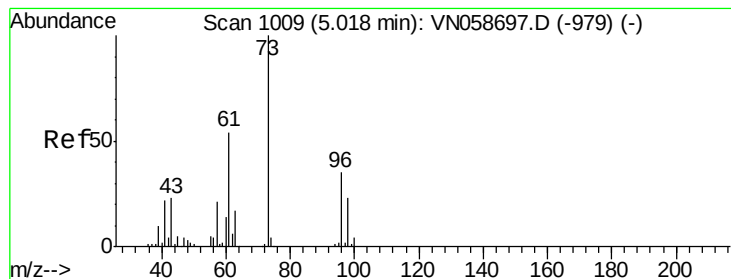
74 23.2 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN058757.D (-693) (-)

Ion 74.00 (73.70 to 74.70): VN058757.D (-693) (-)



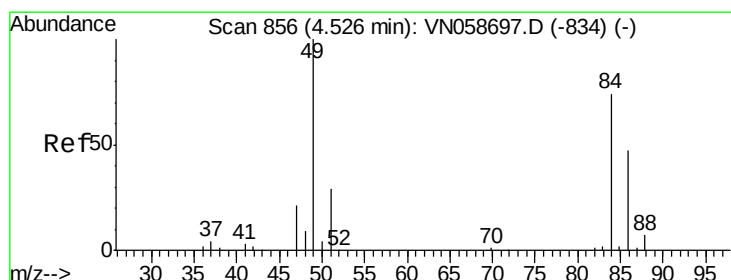
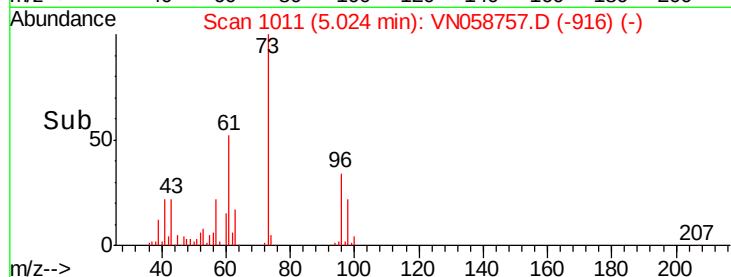
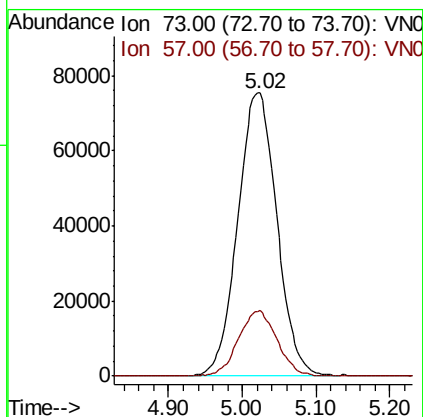
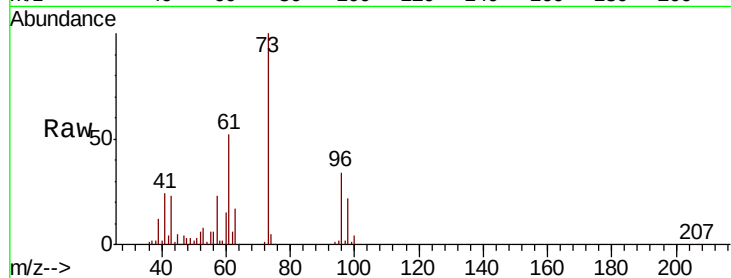


#19

Methvl tert-butvl Ether
 Concen: 20.951 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Instrument :
 MSVOA_N
 ClientSampleId :

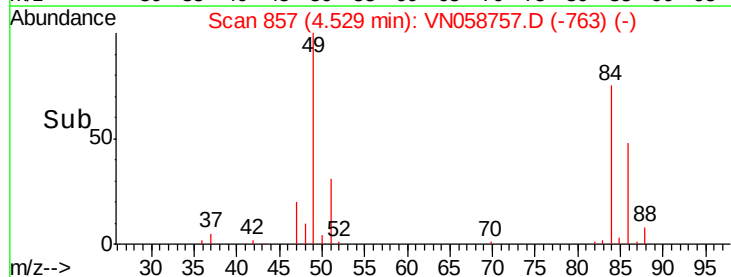
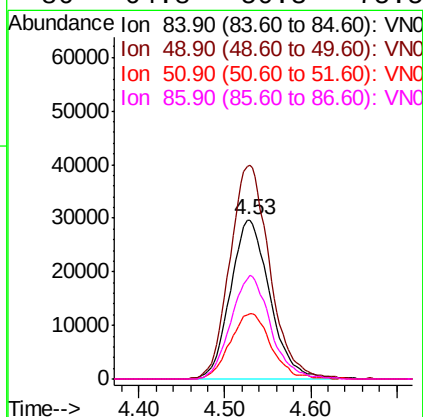
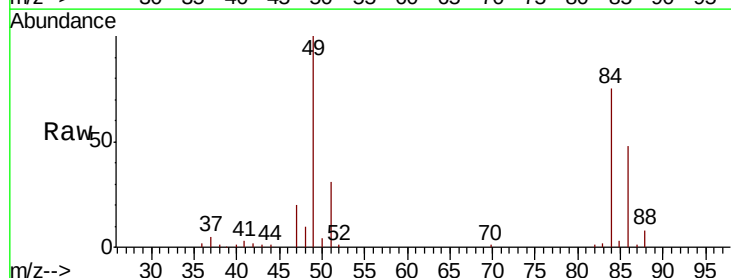
Tot Ion: 73 Resp: 278648
 Ion Ratio Lower Upper
 73 100
 57 23.1 17.0 25.6

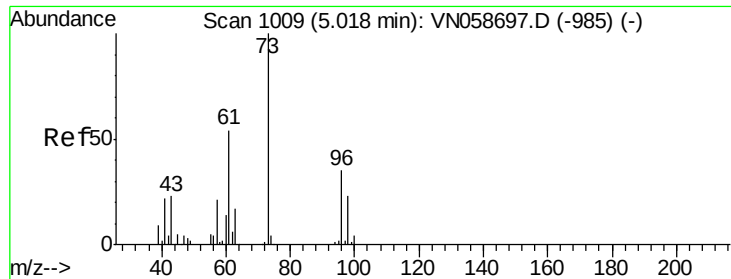


#20

Methylene Chloride
 Concen: 20.119 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Tgt Ion: 84 Resp: 94518
 Ion Ratio Lower Upper
 84 100
 49 134.1 107.6 161.4
 51 40.9 31.4 47.0
 86 64.8 50.3 75.5

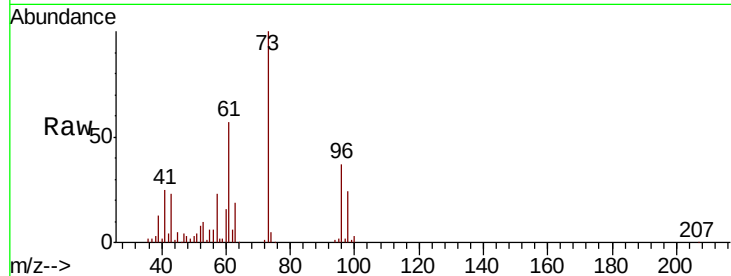




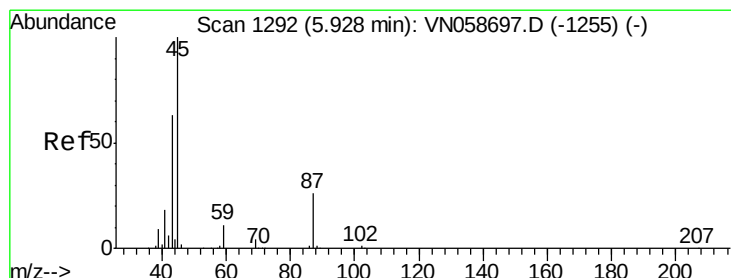
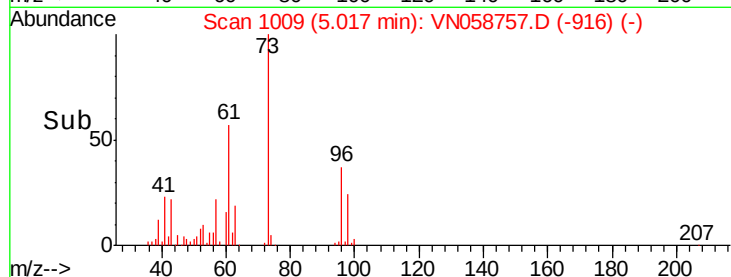
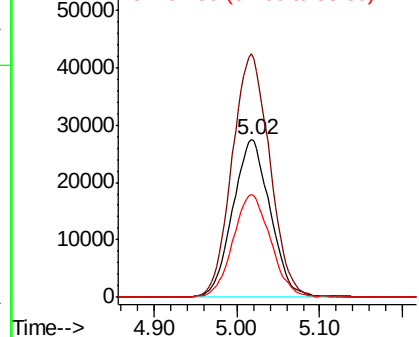
#21
trans-1,2-Dichloroethene
Concen: 20.734 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 86385
Ion Ratio Lower Upper
96 100
61 154.1 123.6 185.4
98 65.5 52.1 78.1

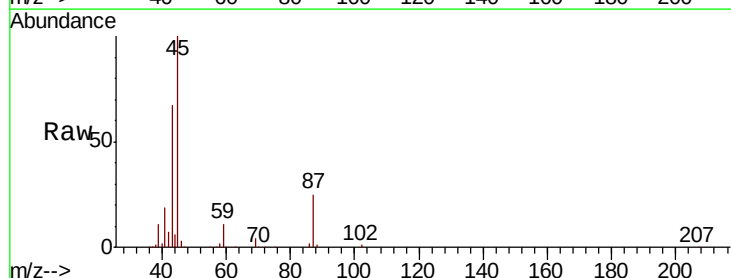


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

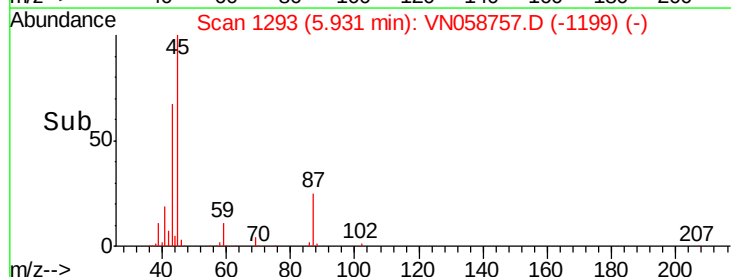
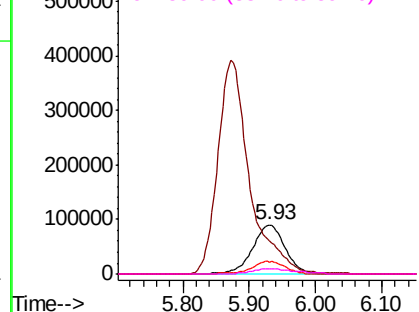


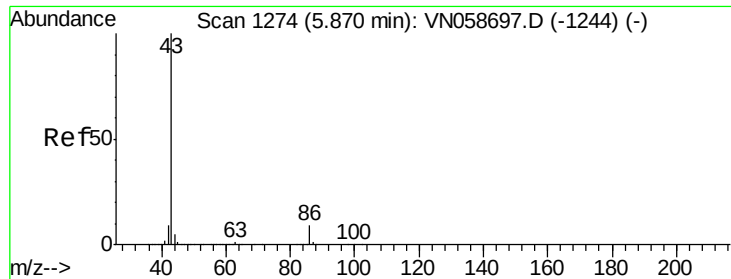
#22
Diisopropyl ether
Concen: 21.086 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 45 Resp: 308169
Ion Ratio Lower Upper
45 100
43 65.6 50.6 75.8
87 24.7 21.1 31.7
59 10.9 9.0 13.4



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





#23

Vinyl Acetate

Concen: 110.762 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

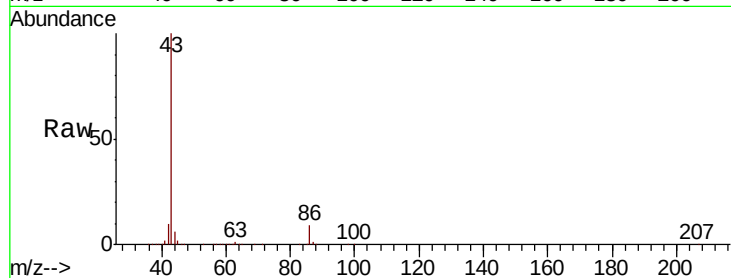
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1306183

Ion Ratio Lower Upper

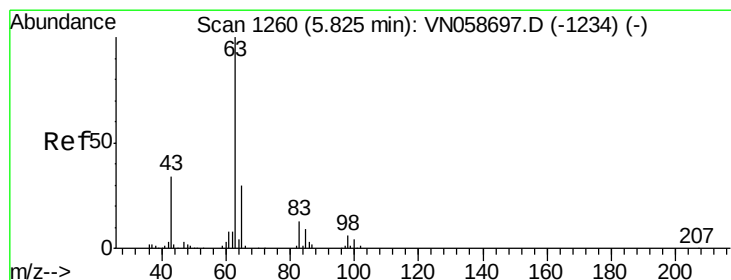
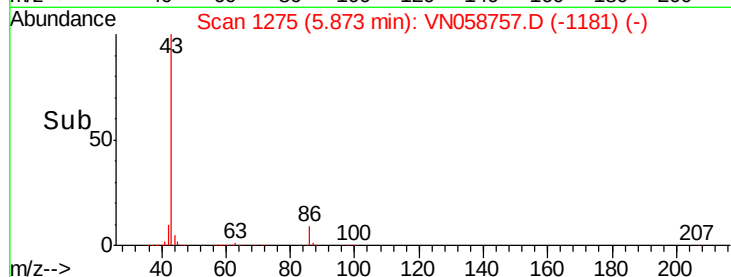
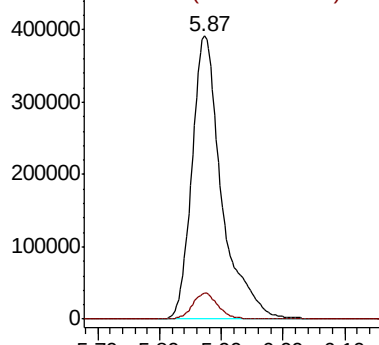
43 100

86 9.0 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.233 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

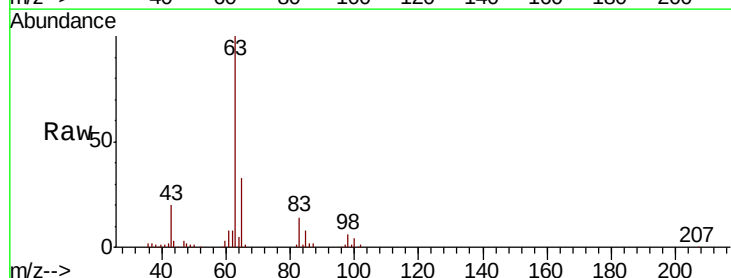
Tgt Ion: 63 Resp: 176738

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

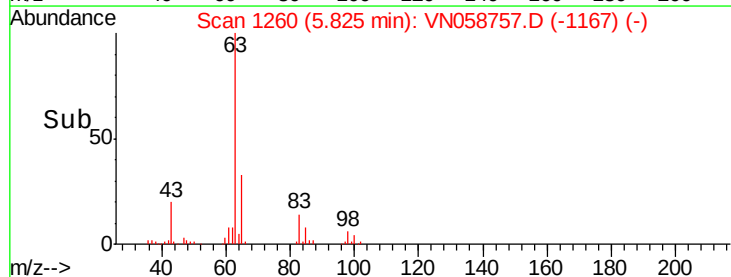
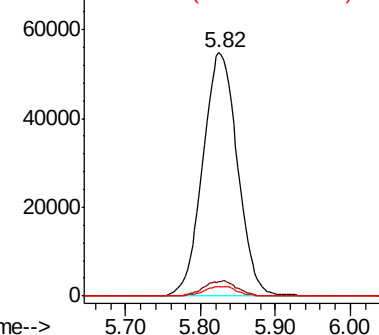
100 3.8 1.8 5.5

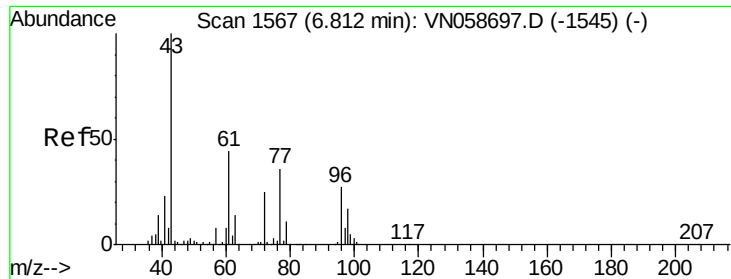


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 102.614 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

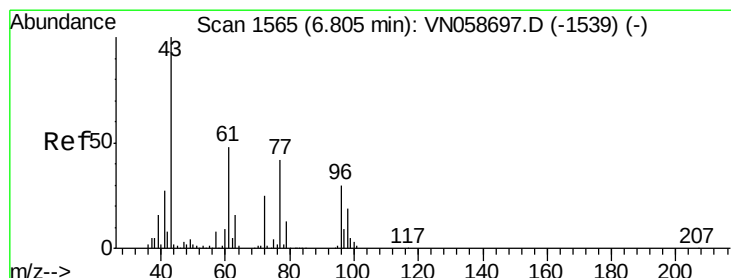
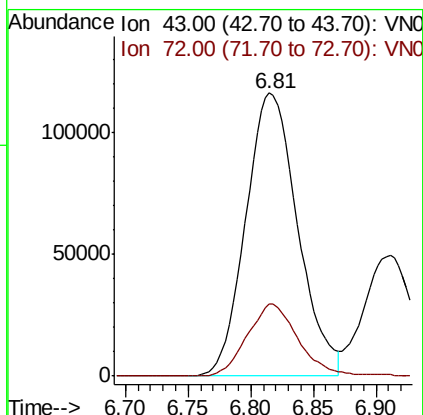
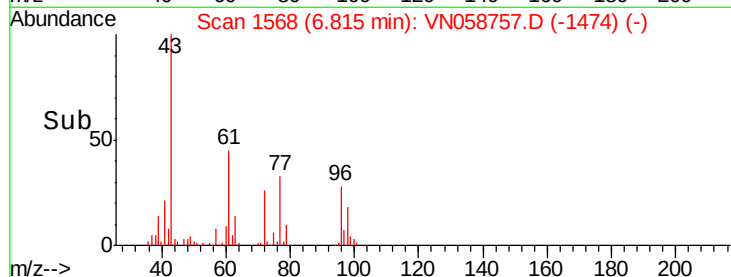
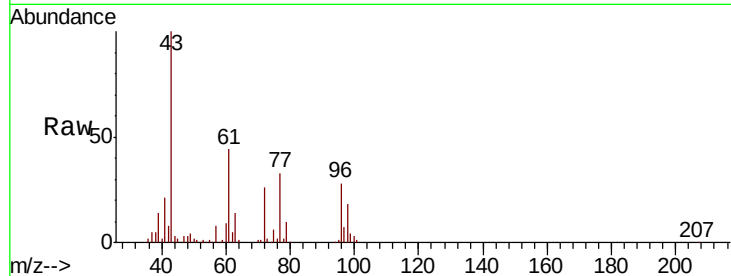
ClientSampled :

Tot Ion: 43 Resp: 333398

Ion Ratio Lower Upper

43 100

72 25.7 20.2 30.2



#26

2,2-Dichloropropane

Concen: 18.590 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058757.D

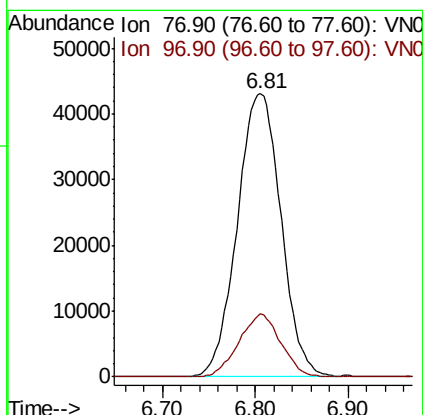
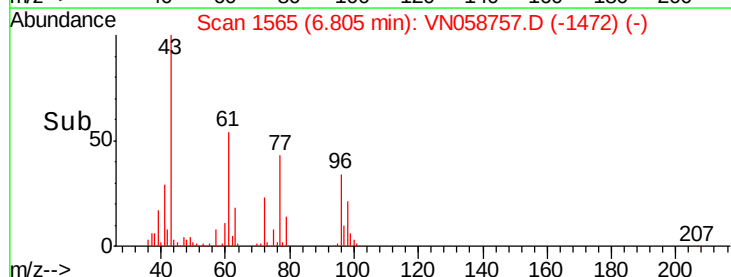
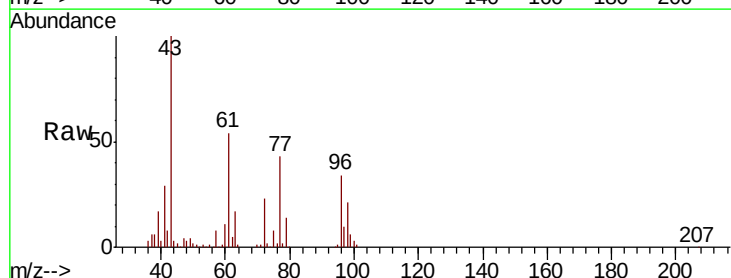
Acq: 14 Oct 2019 18:23

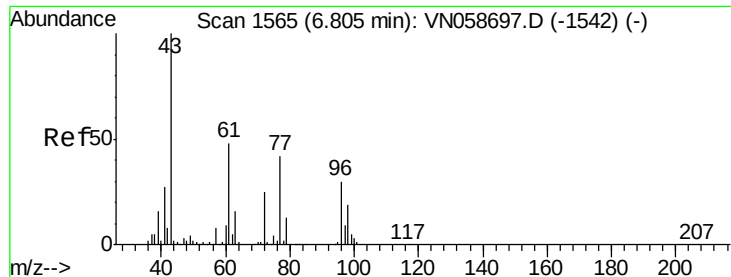
Tgt Ion: 77 Resp: 141246

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.508 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

ClientSampleId :

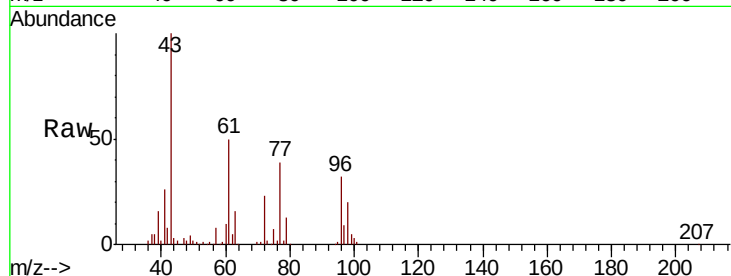
Tot Ion: 96 Resp: 99638

Ion Ratio Lower Upper

96 100

61 158.4 0.0 324.8

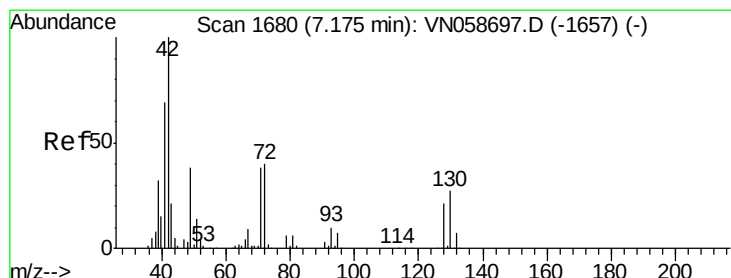
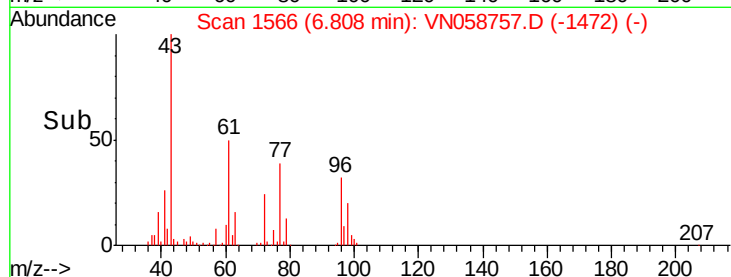
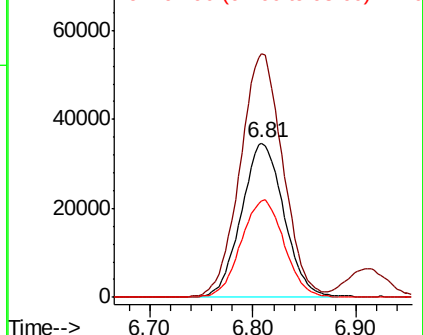
98 63.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058757.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN058757.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN058757.D (-1472) (-)



#28

Bromochloromethane

Concen: 21.032 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

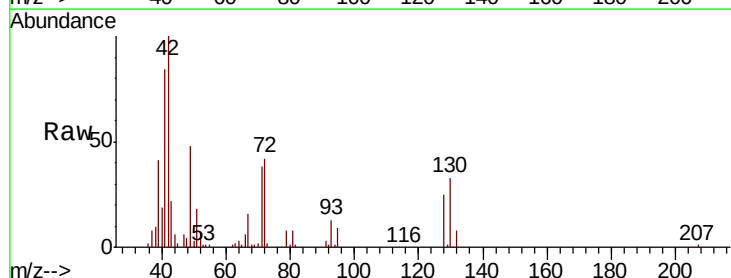
Tgt Ion: 49 Resp: 60903

Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.6

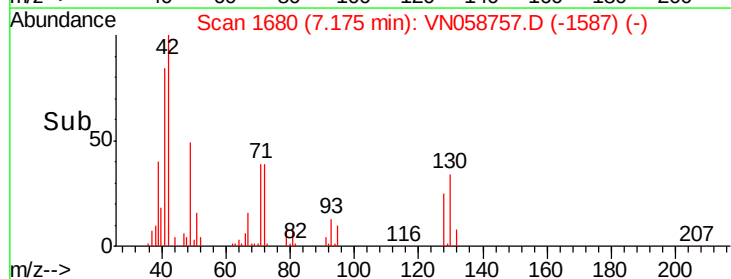
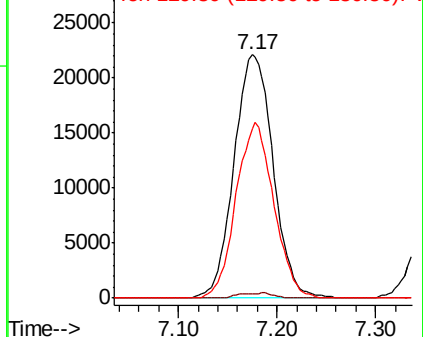
130 69.4 55.0 82.4

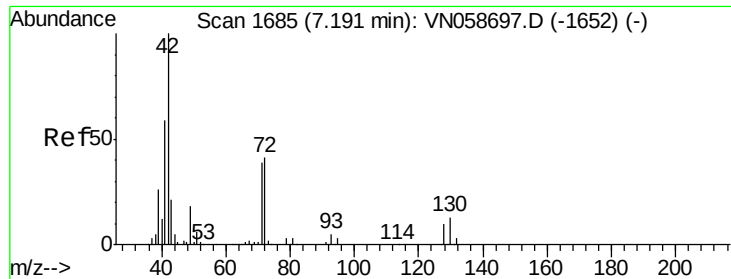


Abundance Ion 48.90 (48.60 to 49.60): VN058757.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058757.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058757.D (-1587) (-)

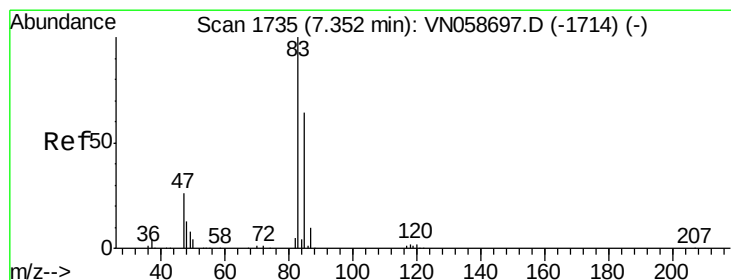
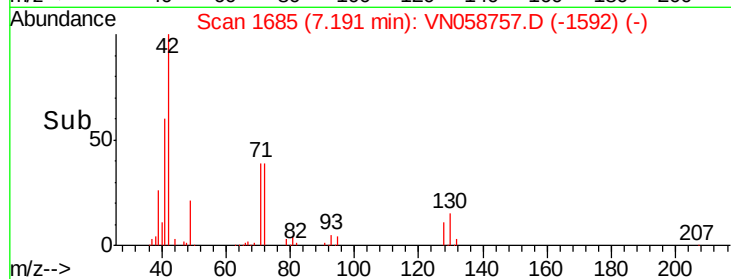
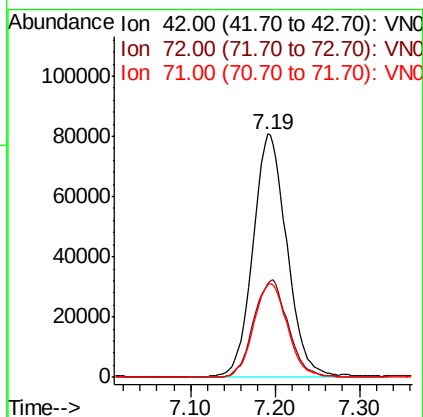
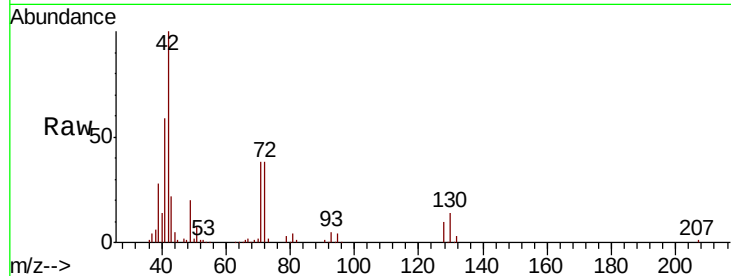




#29
Tetrahydrofuran
Concen: 107.531 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

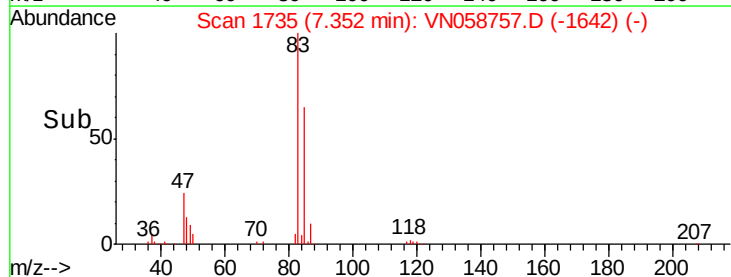
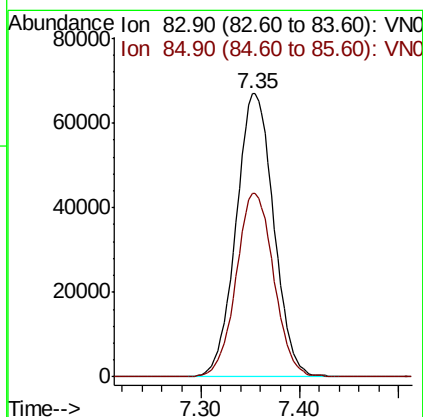
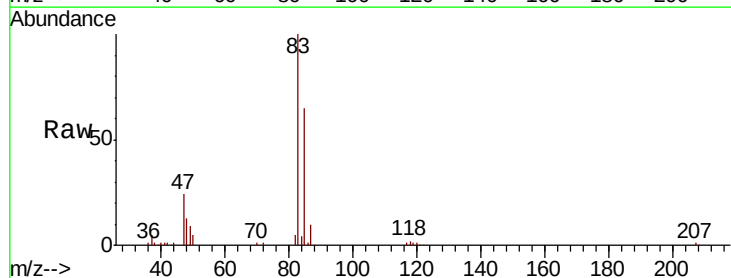
Instrument :
MSVOA_N
ClientSampled :

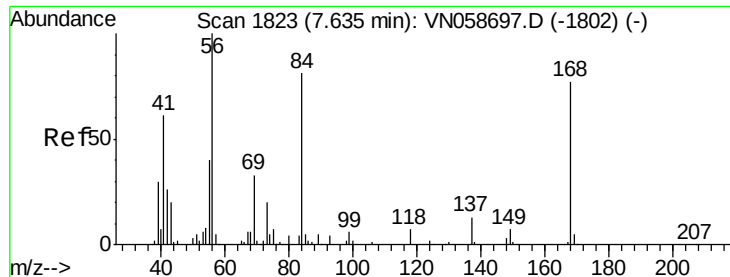
Tot Ion: 42 Resp: 225776
Ion Ratio Lower Upper
42 100
72 40.6 32.8 49.2
71 38.3 31.1 46.7



#30
Chloroform
Concen: 21.147 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 83 Resp: 176847
Ion Ratio Lower Upper
83 100
85 65.0 51.0 76.6

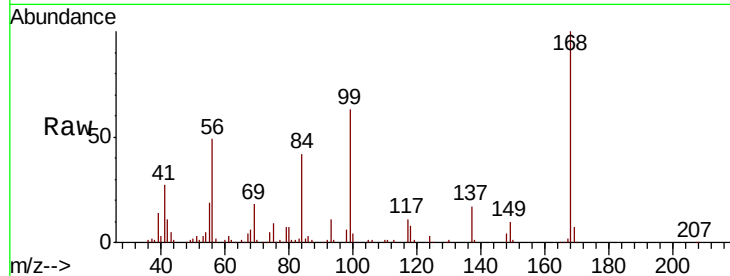




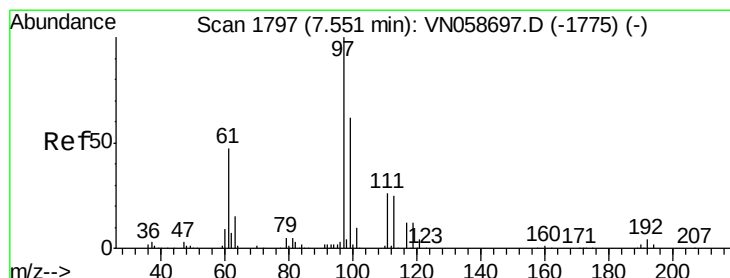
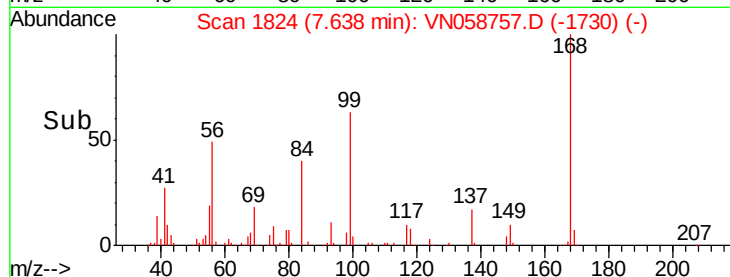
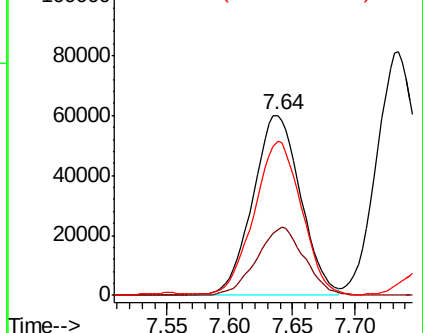
#31
Cyclohexane
Concen: 20.039 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 159591
Ion Ratio Lower Upper
56 100
69 36.4 26.2 39.4
84 84.7 64.9 97.3

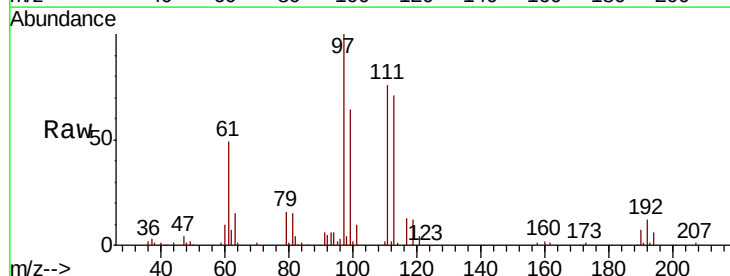


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

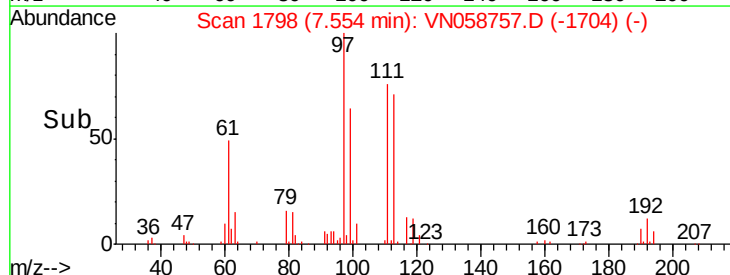
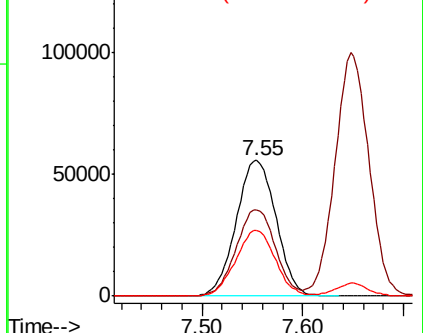


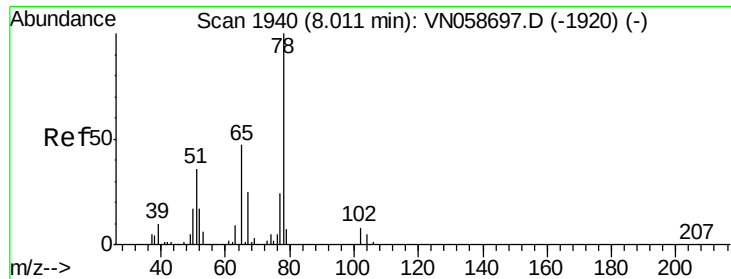
#32
1,1,1-Trichloroethane
Concen: 21.508 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 97 Resp: 153397
Ion Ratio Lower Upper
97 100
99 62.6 50.8 76.2
61 47.9 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

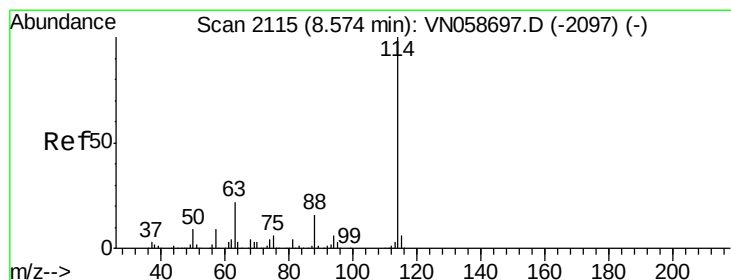
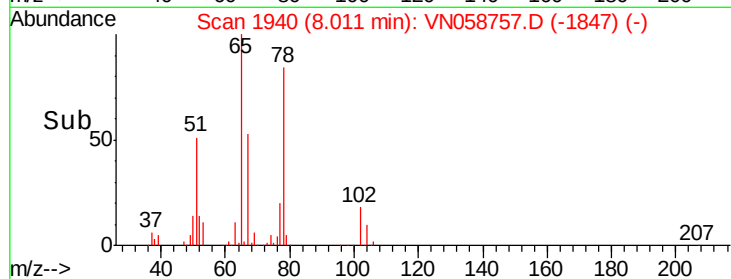
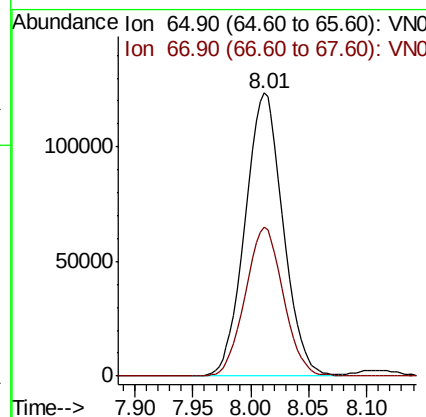
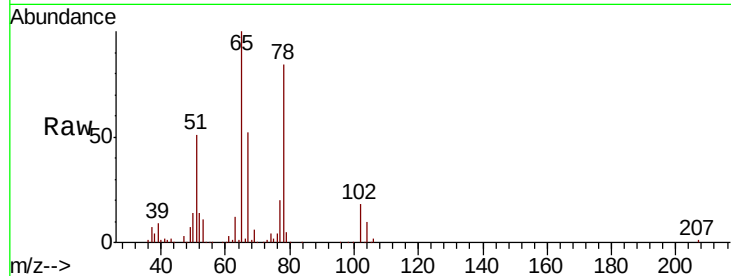




#33
 1,2-Dichloroethane-d4
 Concen: 52.000 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

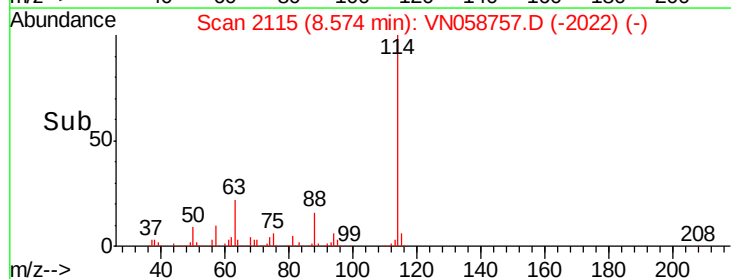
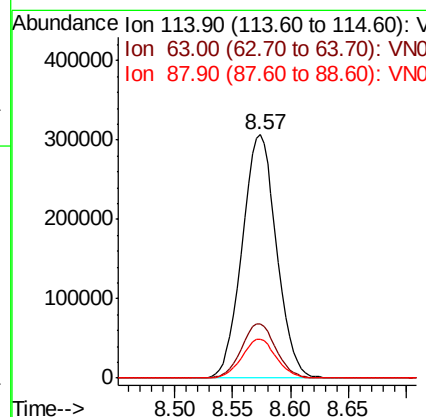
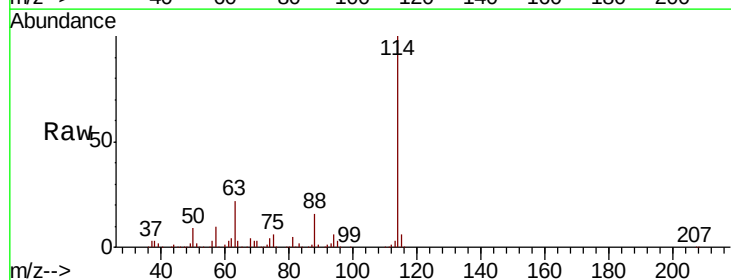
Instrument :
 MSVOA_N
 ClientSampled :

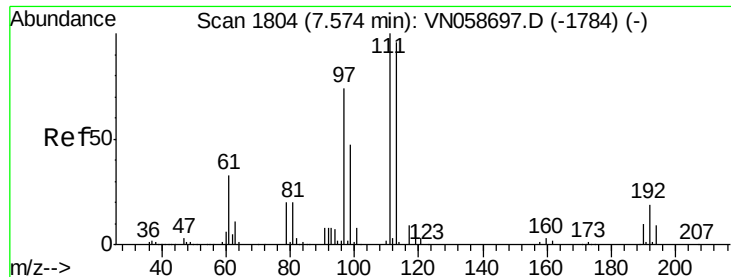
Tot Ion: 65 Resp: 282345
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Tgt Ion: 114 Resp: 632078
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.1 0.0 32.0



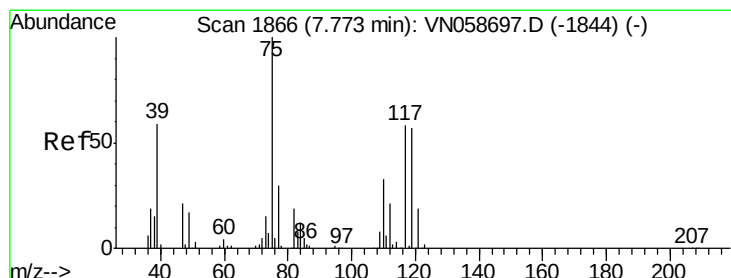
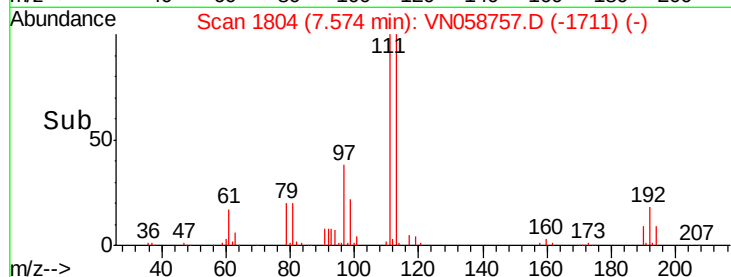
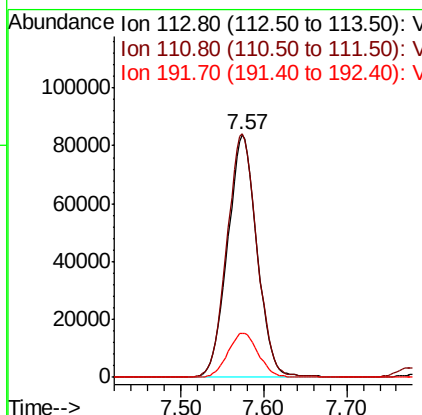
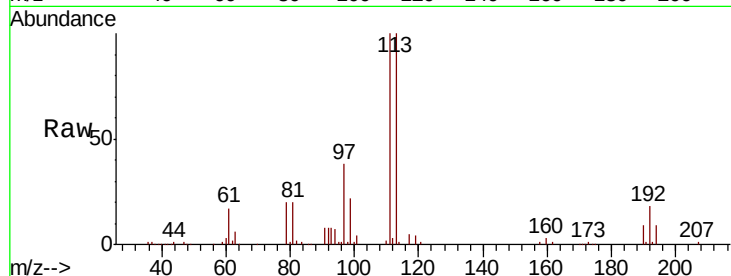


#35
Dibromofluoromethane
Concen: 53.020 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 207003

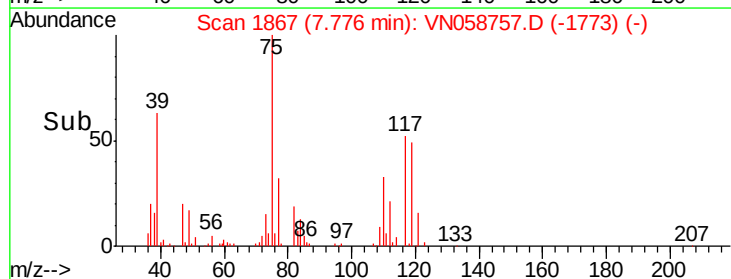
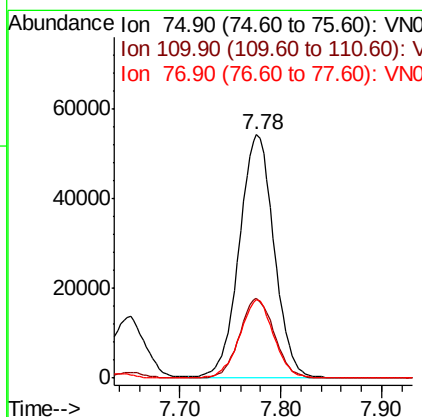
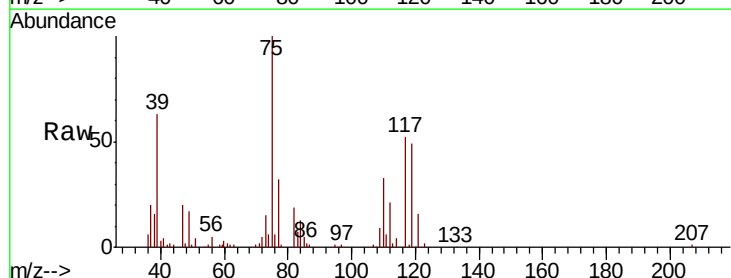
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.3	123.5
192	18.8	15.0	22.6

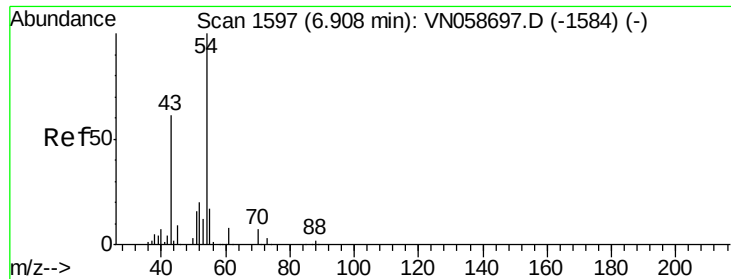


#36
1,1-Dichloropropene
Concen: 20.165 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 75 Resp: 128869

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.6	49.8
77	31.9	24.6	37.0

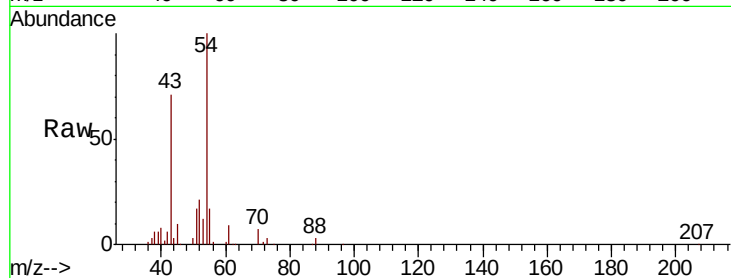




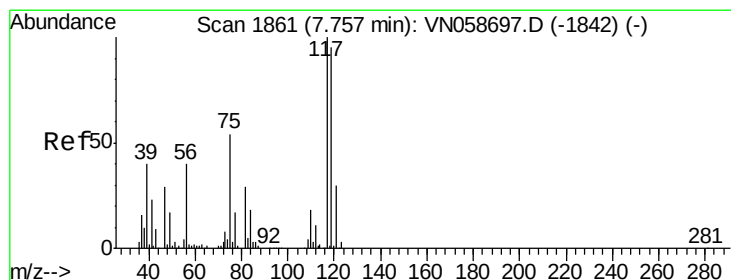
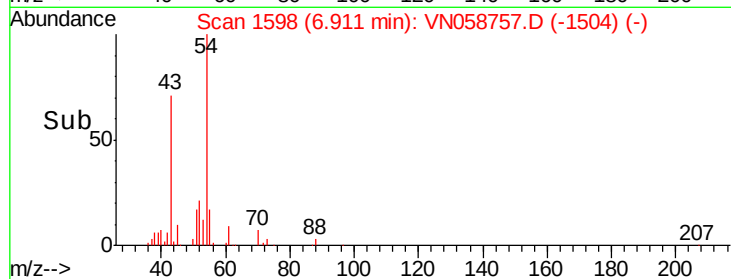
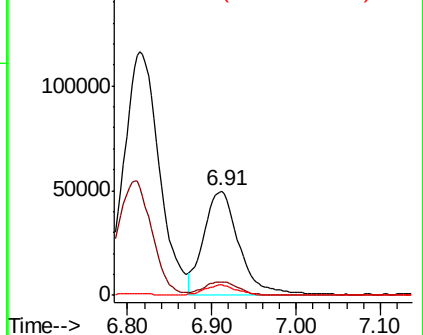
#37
Ethyl Acetate
Concen: 22.142 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 143107
Ion Ratio Lower Upper
43 100
61 13.3 11.3 16.9
70 9.4 7.2 10.8

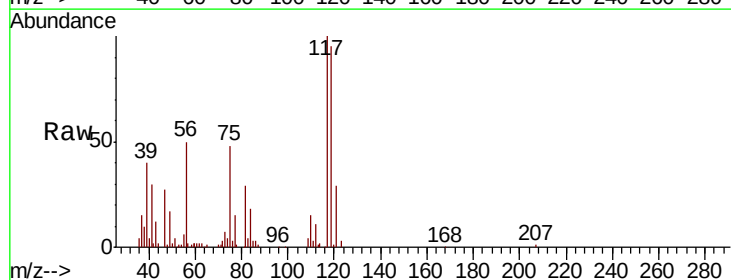


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

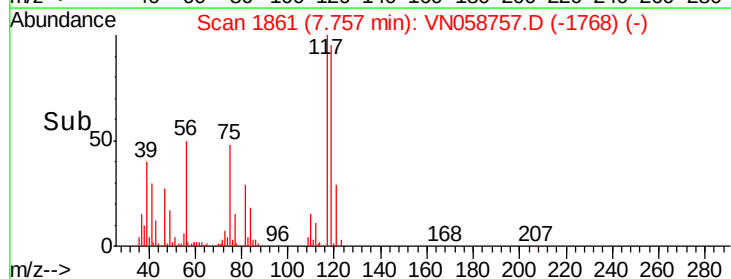
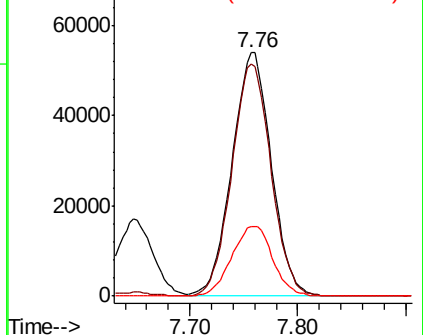


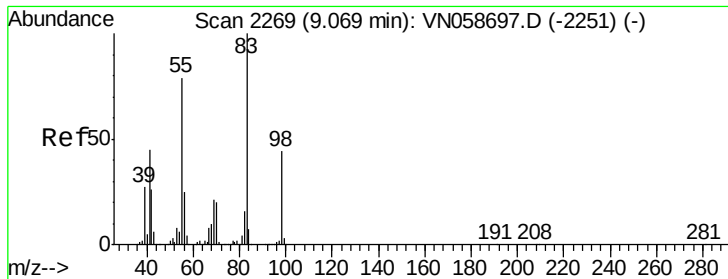
#38
Carbon Tetrachloride
Concen: 21.921 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 117 Resp: 136531
Ion Ratio Lower Upper
117 100
119 95.2 75.7 113.5
121 28.7 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

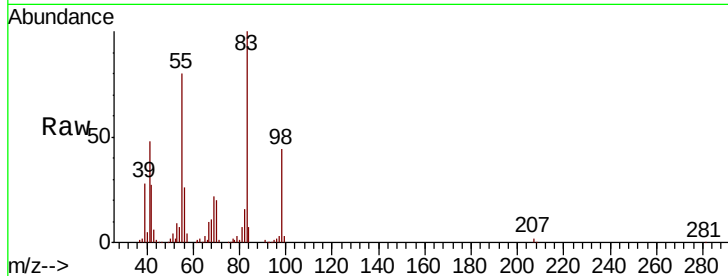




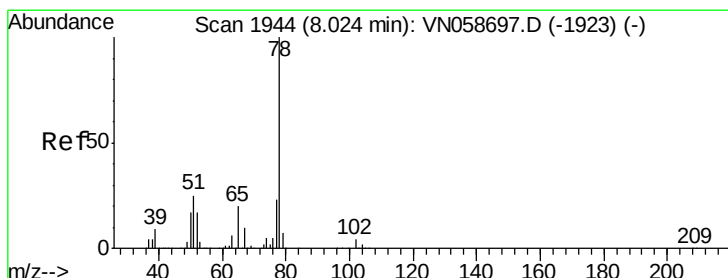
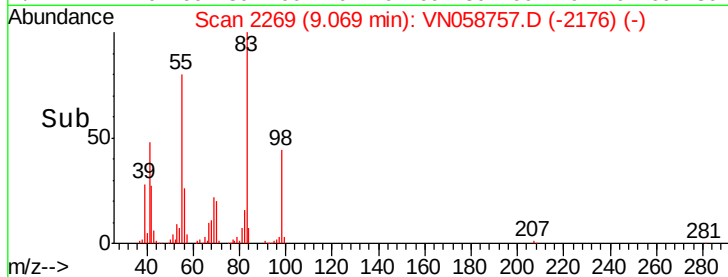
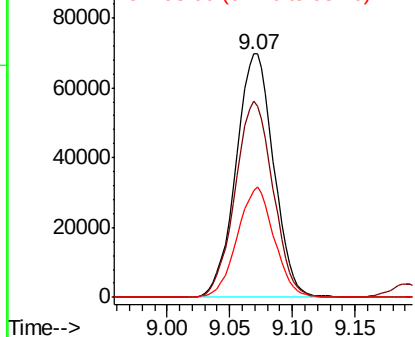
#39
Methylvlcyclohexane
Concen: 19.650 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 145721
Ion Ratio Lower Upper
83 100
55 80.5 63.4 95.0
98 44.1 35.1 52.7

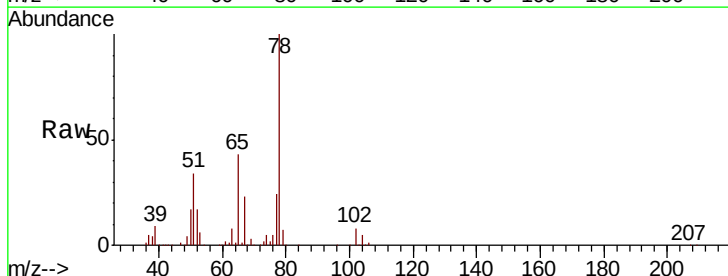


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

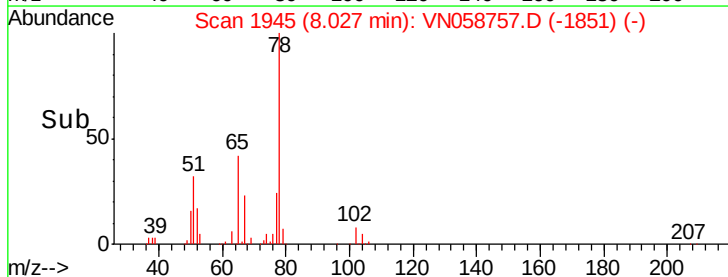
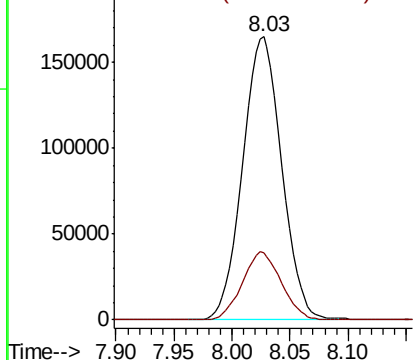


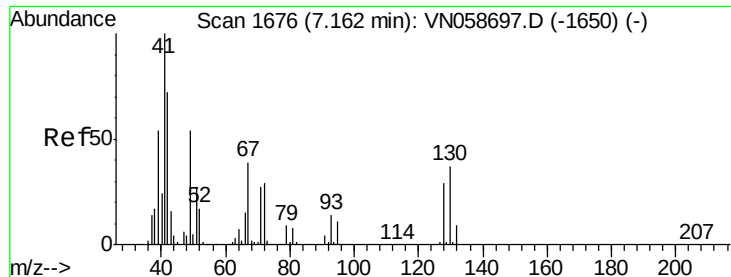
#40
Benzene
Concen: 21.062 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 78 Resp: 386570
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



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

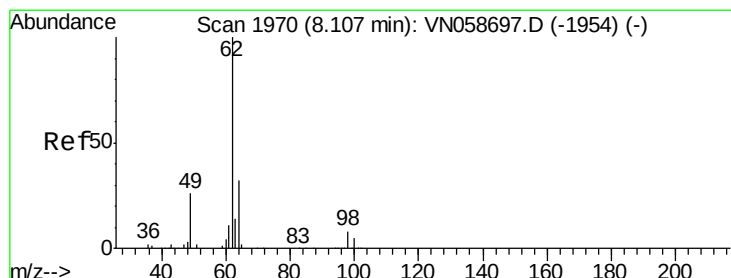
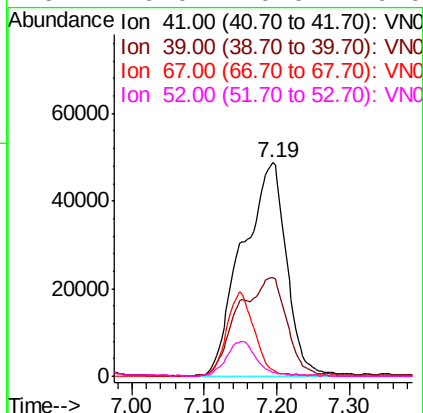
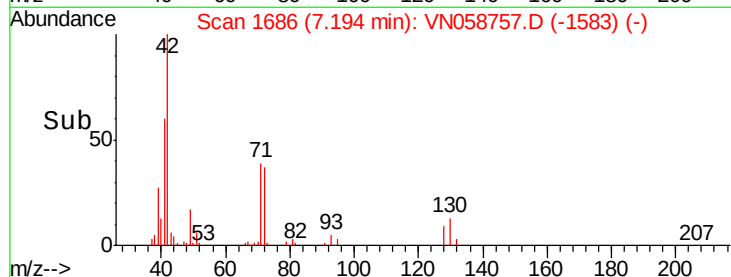
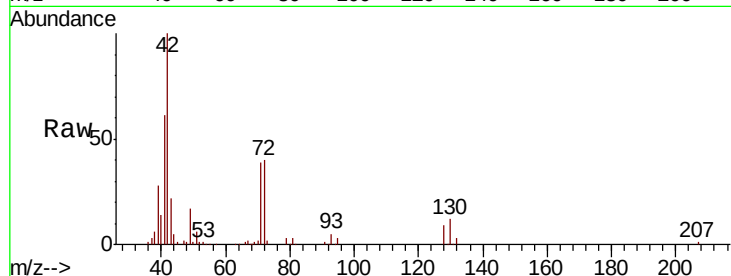




#41
Methacrylonitrile
Concen: 68.531 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.03 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

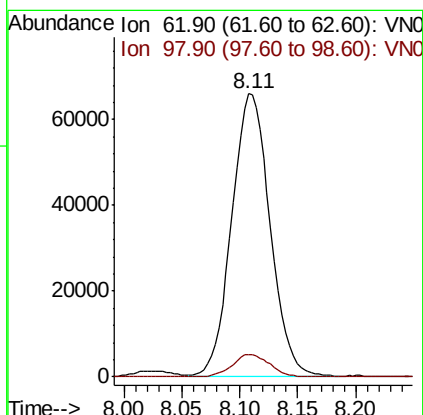
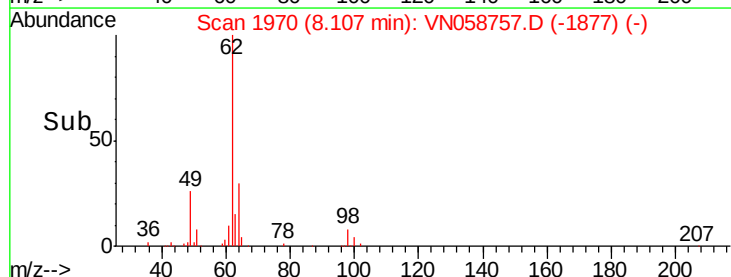
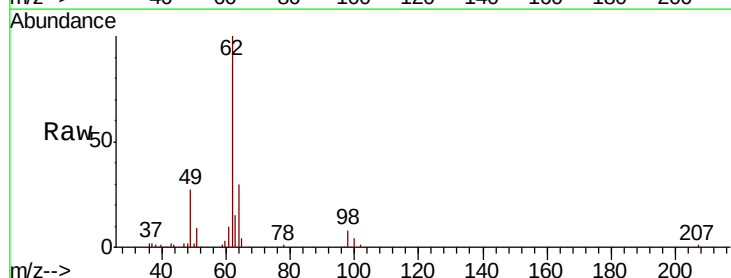
Instrument :
MSVOA_N
ClientSampled :

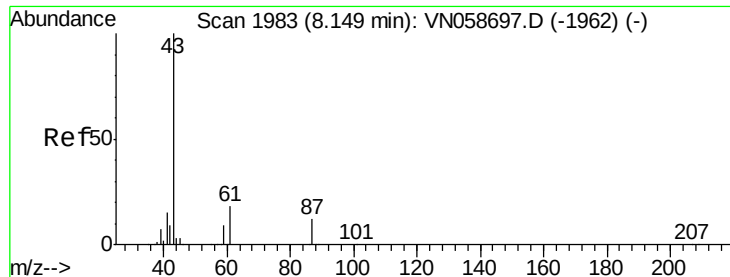
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 21.392 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8



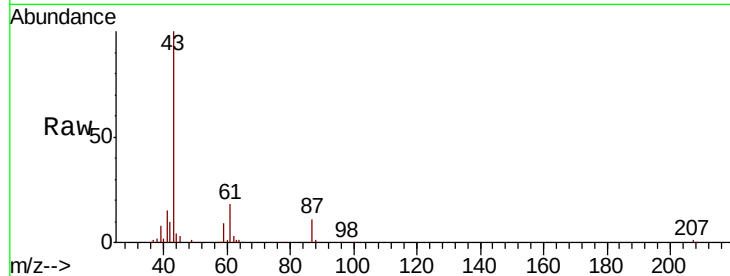


#43

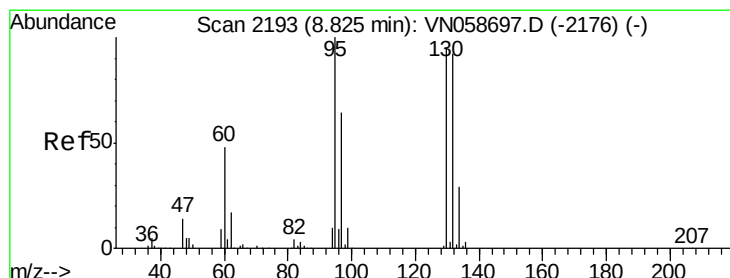
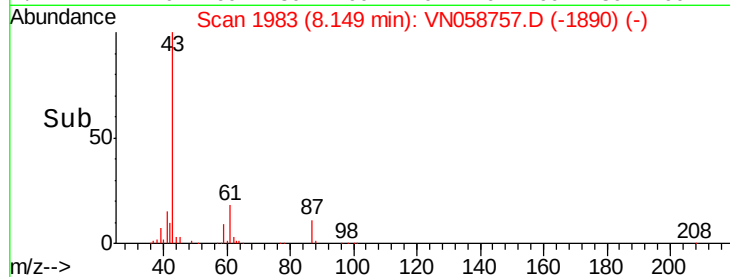
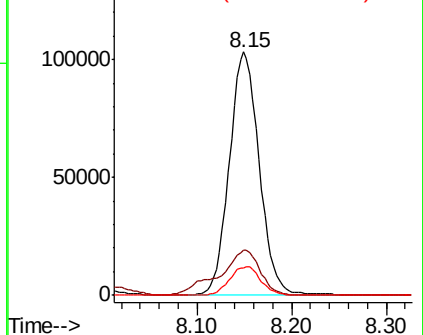
Isopropyl Acetate
 Concen: 20.495 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 225660
 Ion Ratio Lower Upper
 43 100
 61 25.5 20.3 30.5
 87 12.3 9.8 14.6



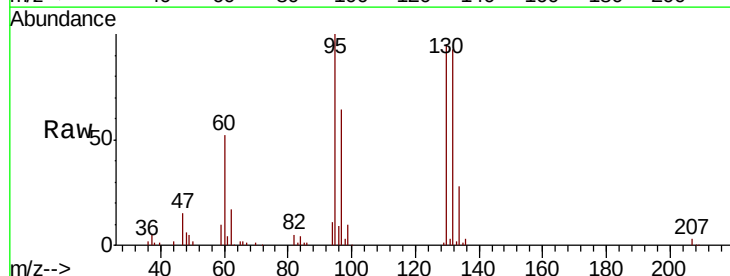
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



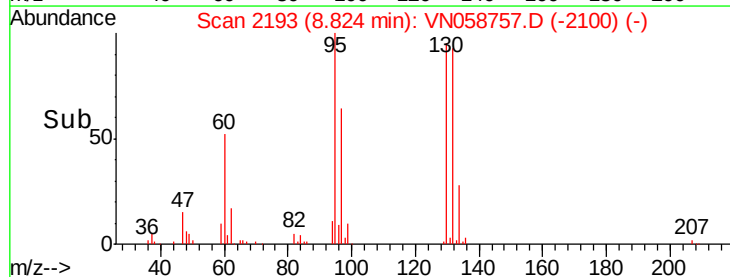
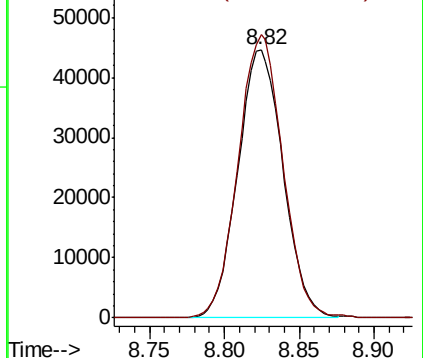
#44

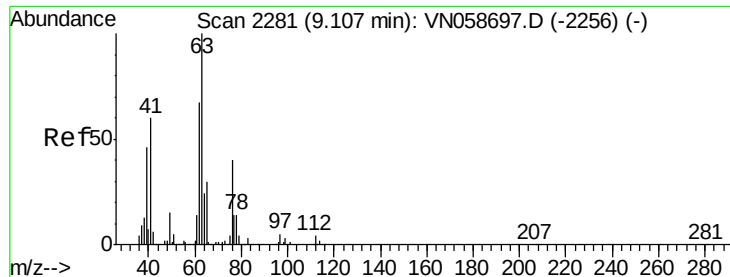
Trichloroethene
 Concen: 20.581 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Tgt Ion:130 Resp: 93807
 Ion Ratio Lower Upper
 130 100
 95 105.4 0.0 211.2



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

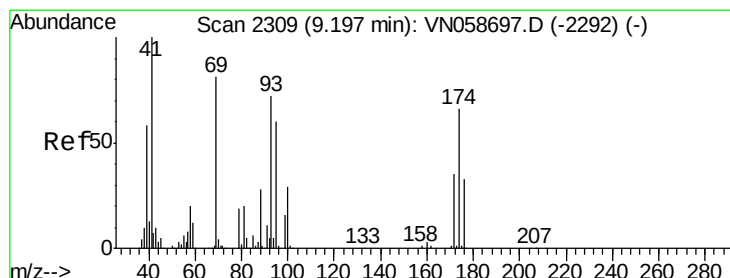
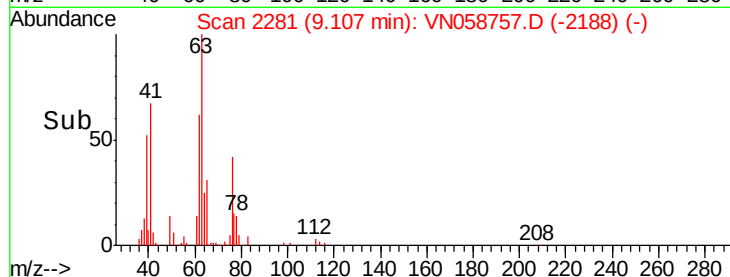
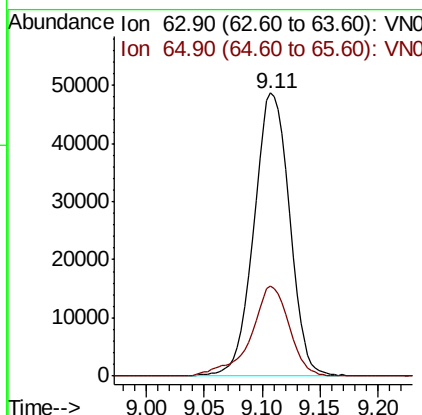
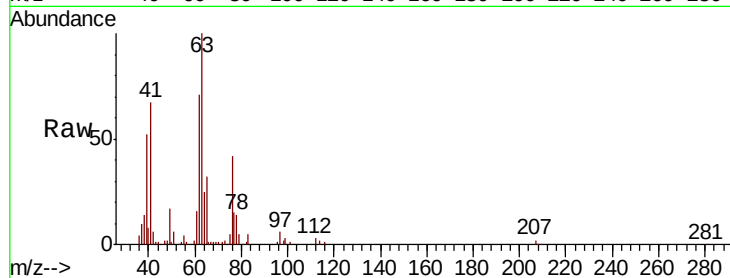




#45
 1,2-Dichloropropane
 Concen: 21.252 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

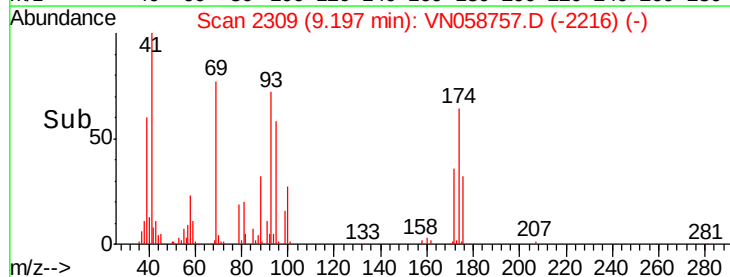
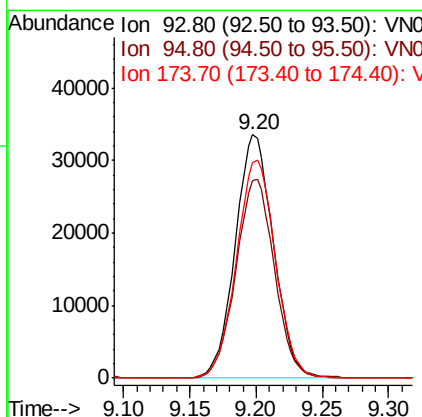
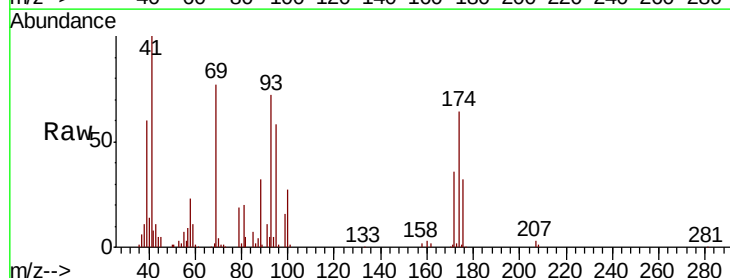
Instrument :
 MSVOA_N
 ClientSampled :

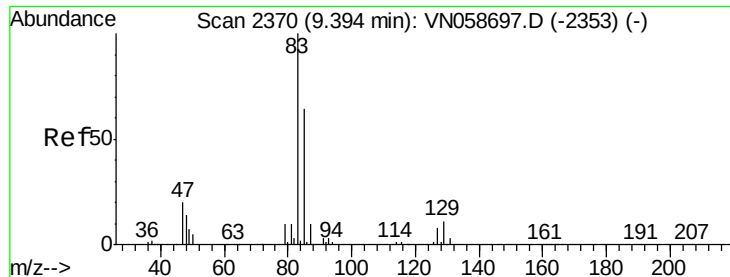
Tot Ion: 63 Resp: 104422
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.1 36.1



#46
 Dibromomethane
 Concen: 21.565 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Tgt Ion: 93 Resp: 67179
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.6 100.0
 174 91.4 75.2 112.8

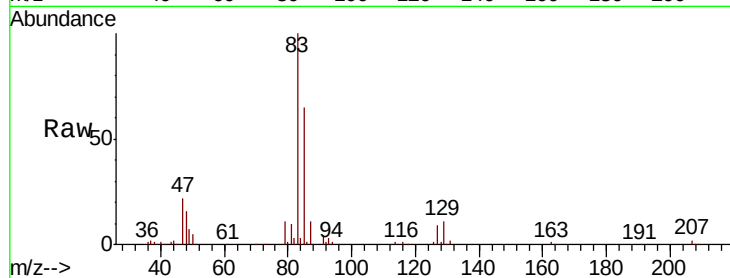




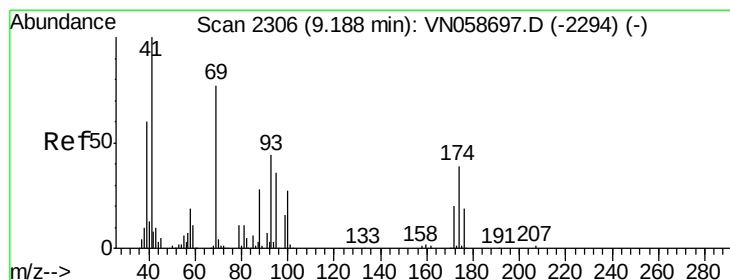
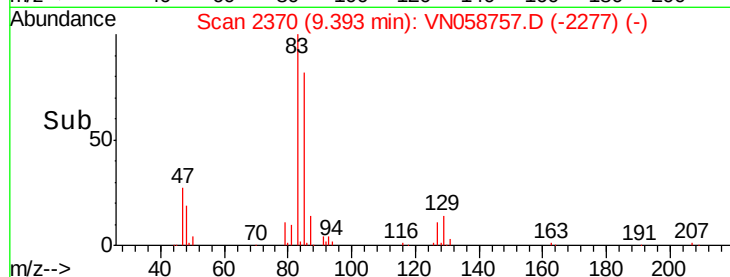
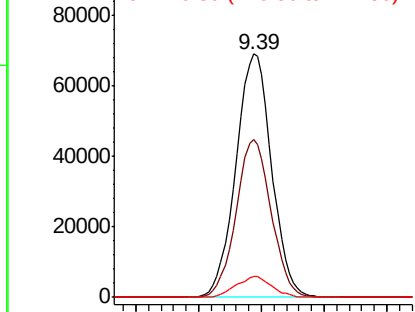
#47
Bromodichloromethane
Concen: 21.557 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 136751
Ion Ratio Lower Upper
83 100
85 64.7 50.9 76.3
127 8.8 6.3 9.5

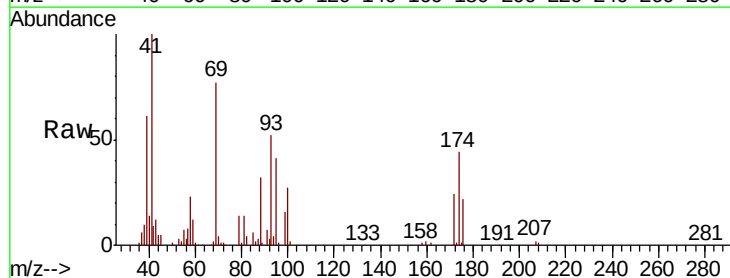


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

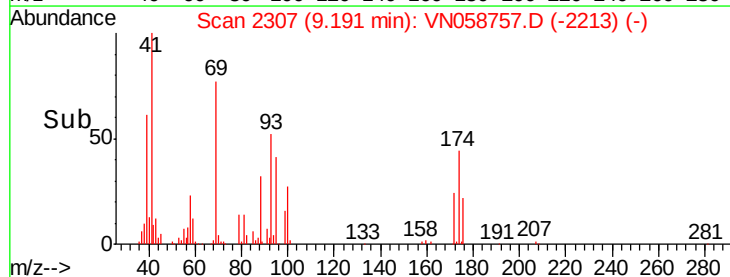
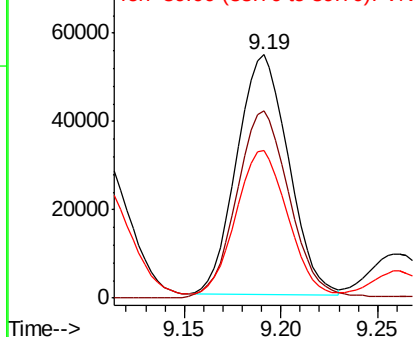


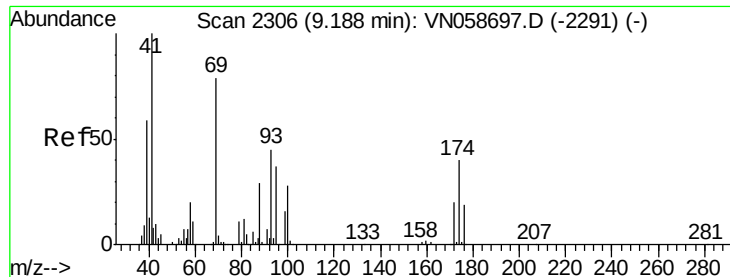
#48
Methyl methacrylate
Concen: 20.341 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 41 Resp: 101520
Ion Ratio Lower Upper
41 100
69 80.0 63.4 95.2
39 61.9 48.9 73.3



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

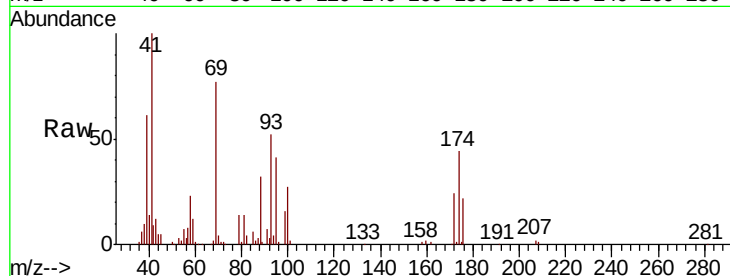




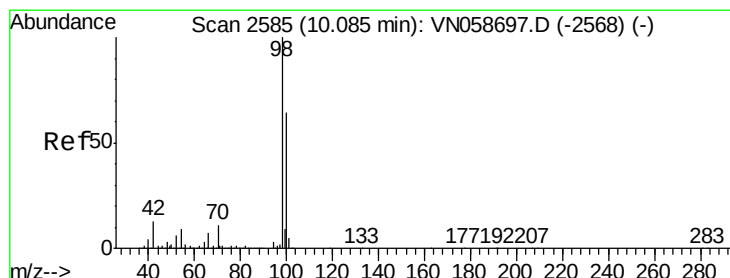
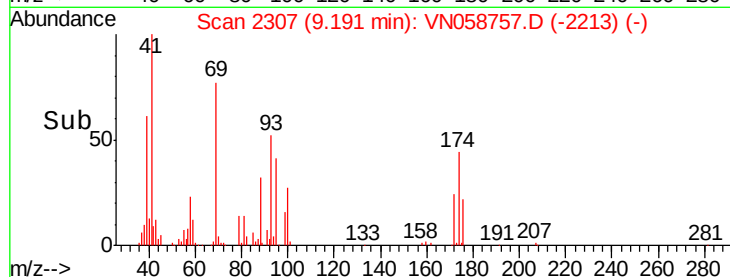
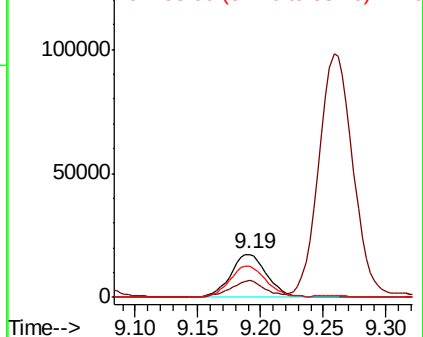
#49
1,4-Dioxane
Concen: 457.834 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 35350
Ion Ratio Lower Upper
88 100
43 35.8 28.6 43.0
58 72.9 57.2 85.8

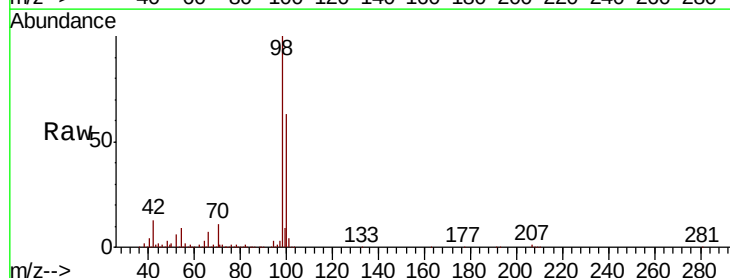


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

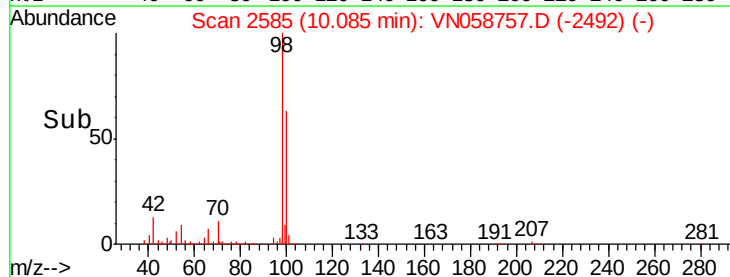
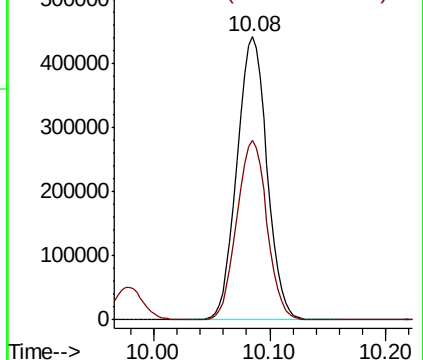


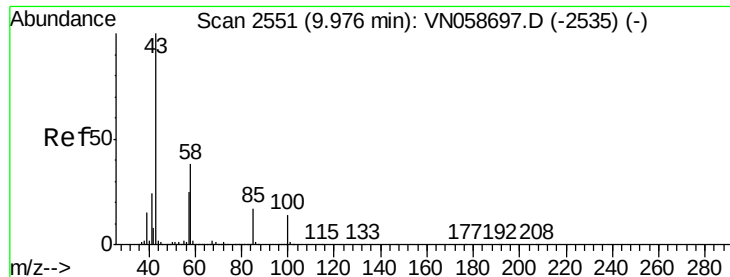
#50
Toluene-d8
Concen: 51.022 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 98 Resp: 796584
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7



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

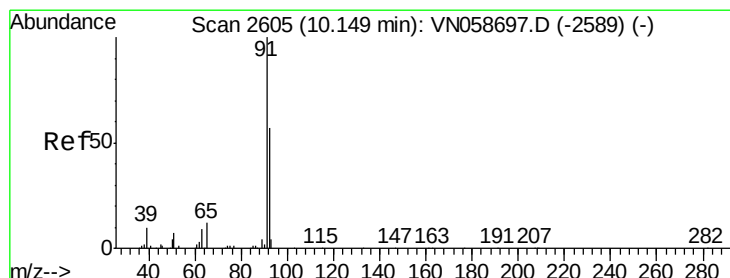
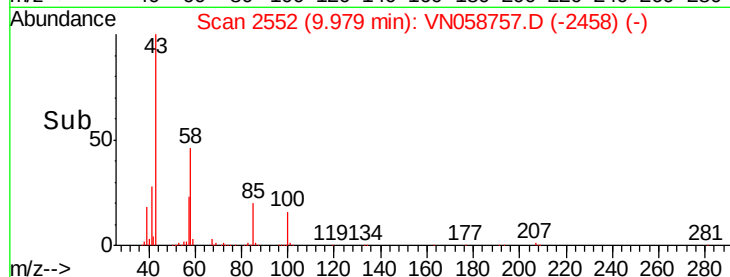
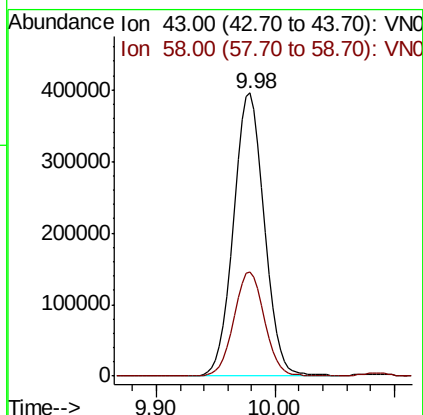
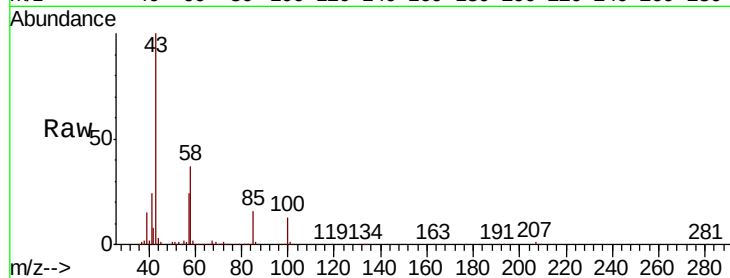




#51
4-Methyl-2-Pentanone
Concen: 114.711 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

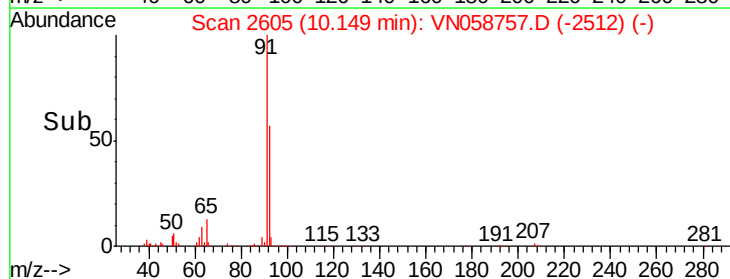
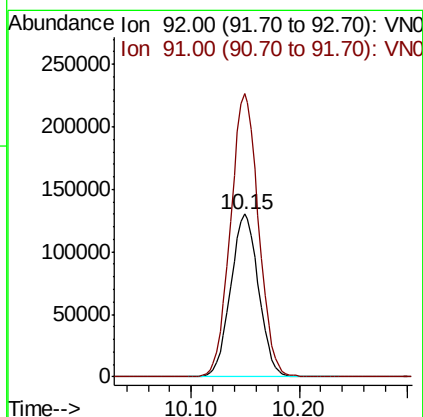
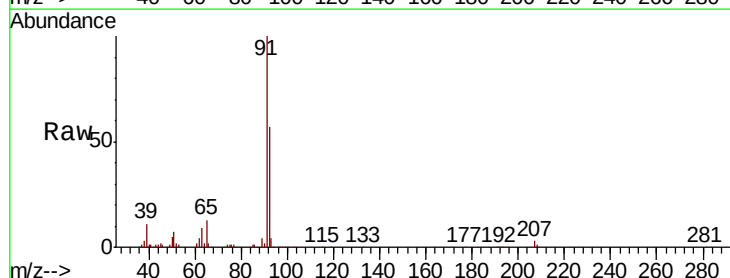
Instrument :
MSVOA_N
ClientSampleId :

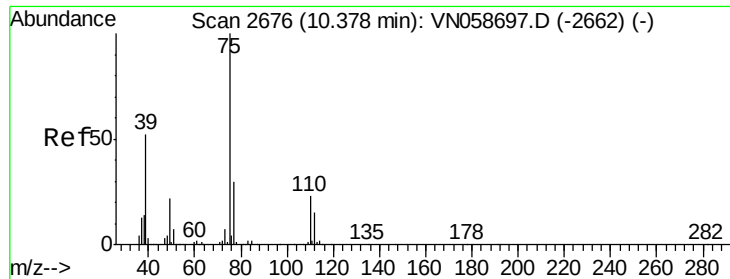
Tot Ion: 43 Resp: 709322
Ion Ratio Lower Upper
43 100
58 36.7 30.3 45.5



#52
Toluene
Concen: 20.941 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 92 Resp: 235081
Ion Ratio Lower Upper
92 100
91 174.5 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 20.238 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

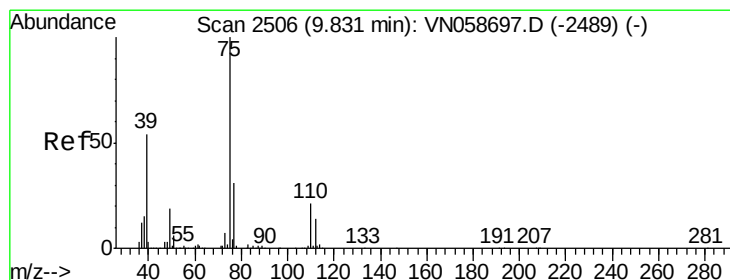
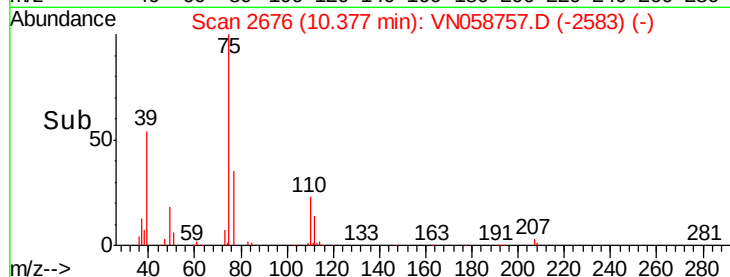
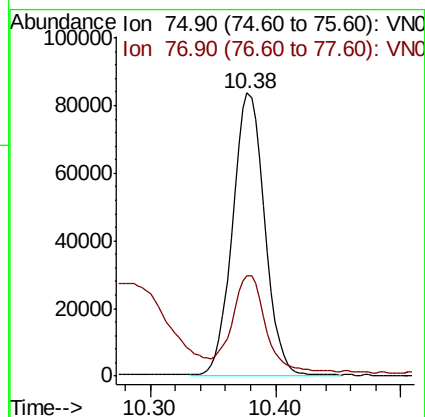
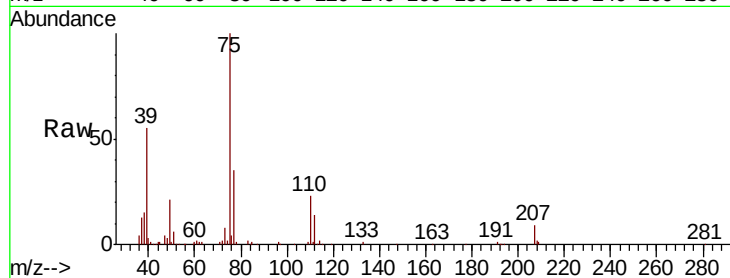
ClientSampleId :

Tot Ion: 75 Resp: 147243

Ion Ratio Lower Upper

75 100

77 33.8 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 20.904 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

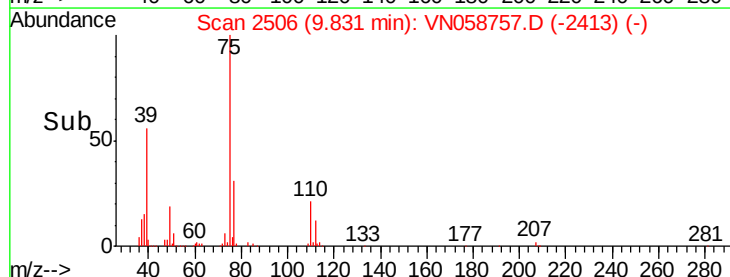
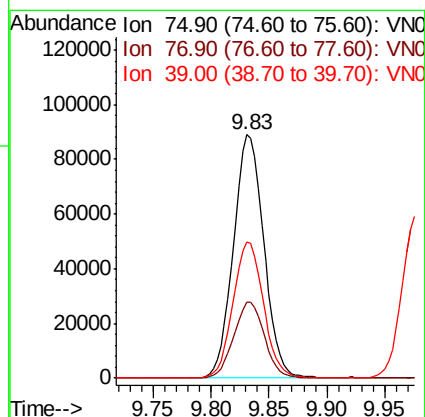
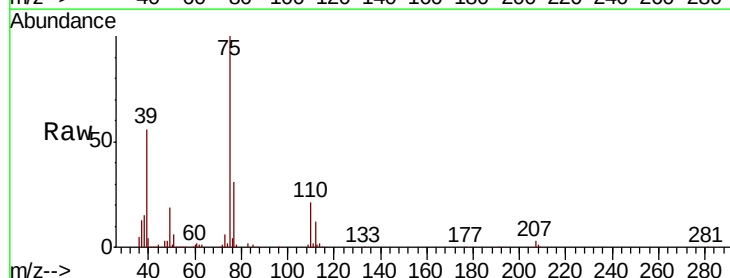
Tgt Ion: 75 Resp: 161483

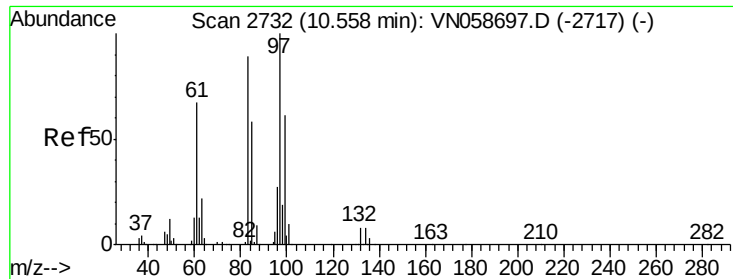
Ion Ratio Lower Upper

75 100

77 31.0 24.4 36.6

39 55.8 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 20.390 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 93686

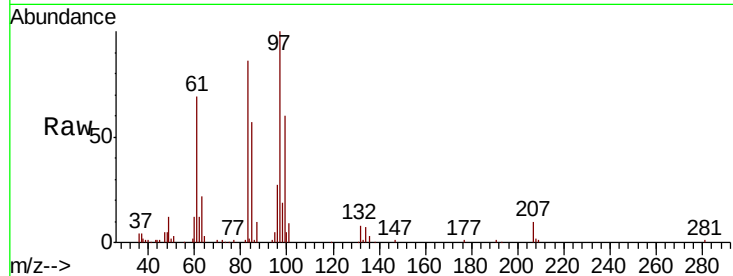
Ion Ratio Lower Upper

97 100

83 85.8 71.2 106.8

85 57.4 46.7 70.1

99 60.7 49.0 73.6



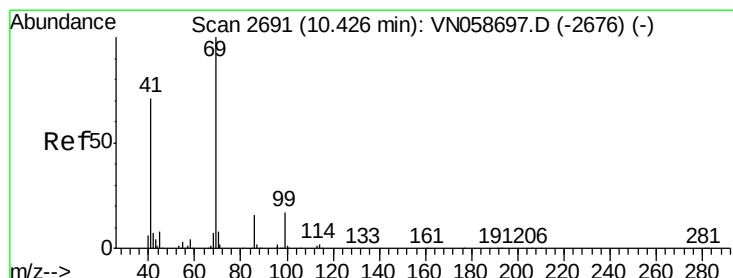
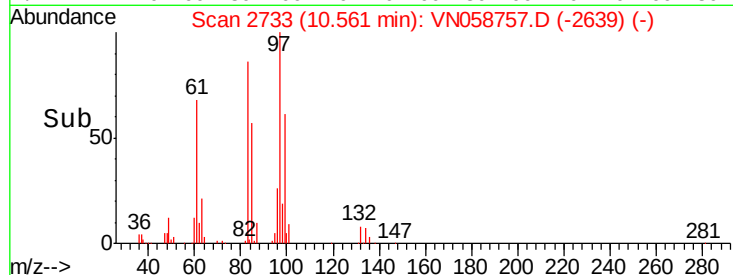
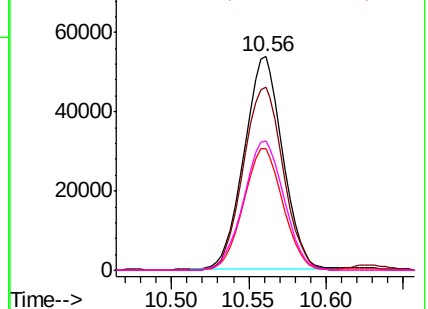
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.610 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

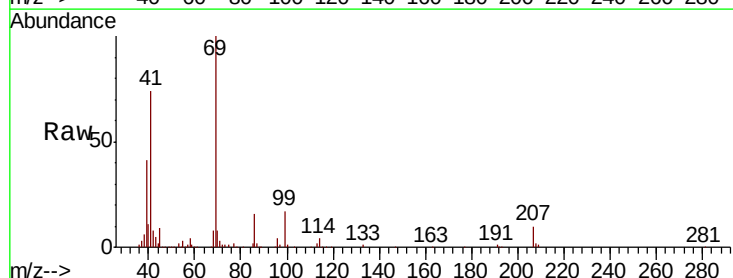
Tgt Ion: 69 Resp: 138342

Ion Ratio Lower Upper

69 100

41 71.4 56.8 85.2

39 42.0 32.5 48.7

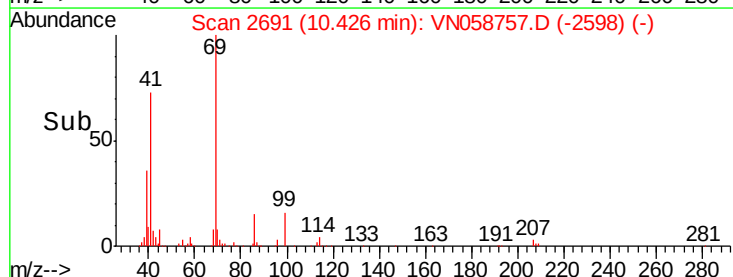
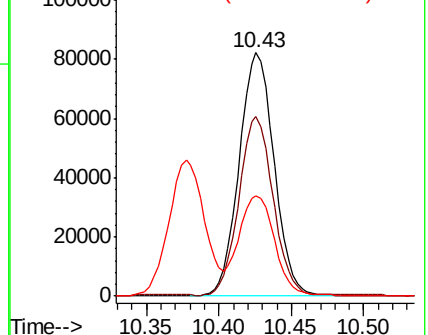


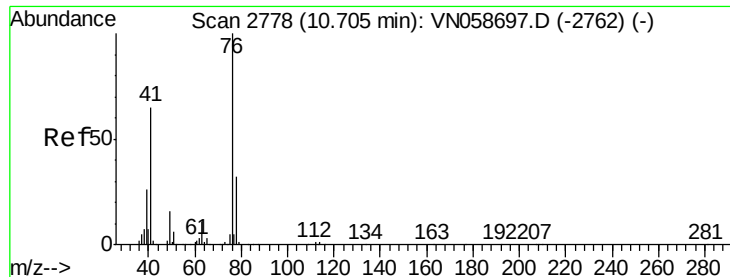
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.072 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

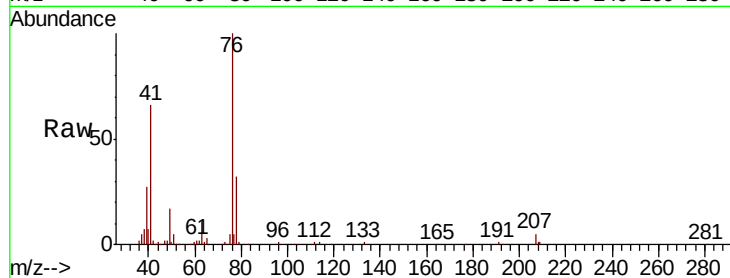
ClientSampleId :

Tot Ion: 76 Resp: 164982

Ion Ratio Lower Upper

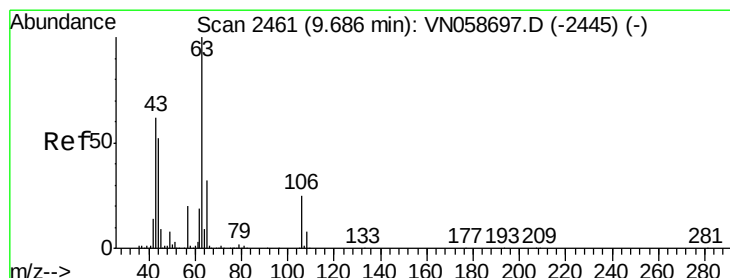
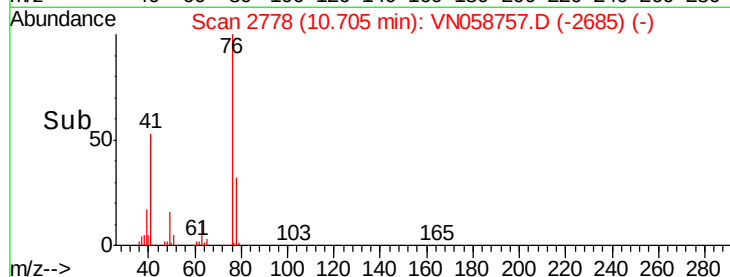
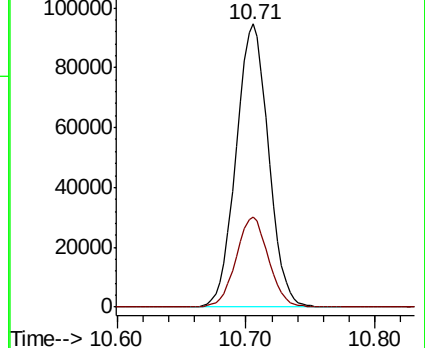
76 100

78 32.1 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.697 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058757.D

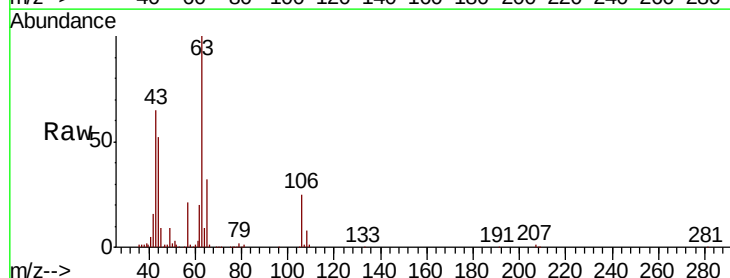
Acq: 14 Oct 2019 18:23

Tgt Ion: 63 Resp: 325742

Ion Ratio Lower Upper

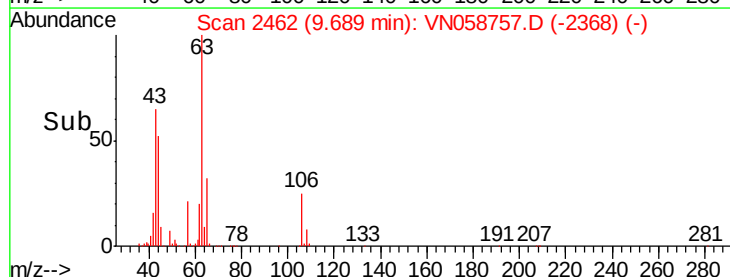
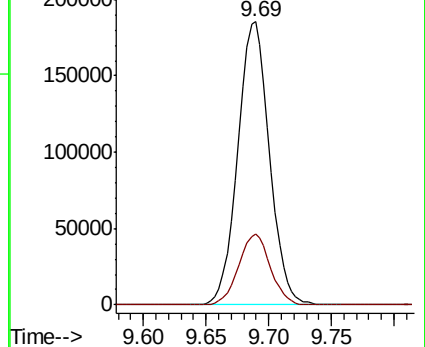
63 100

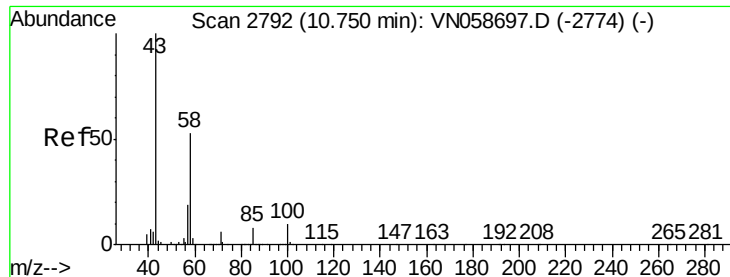
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

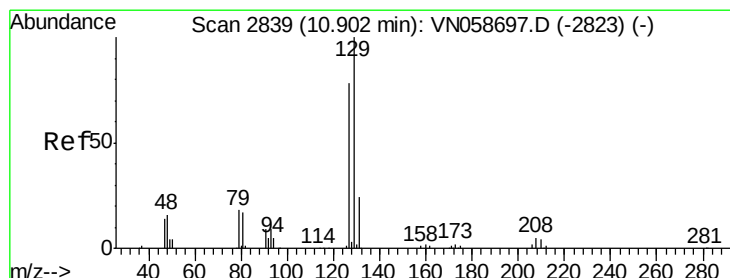
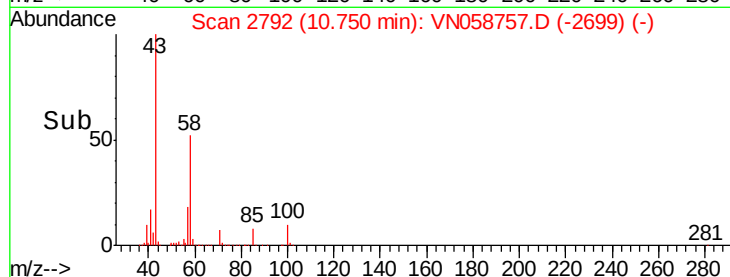
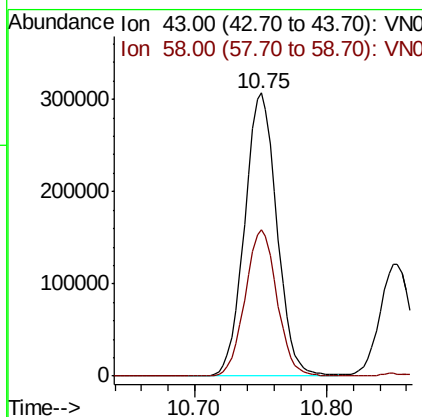
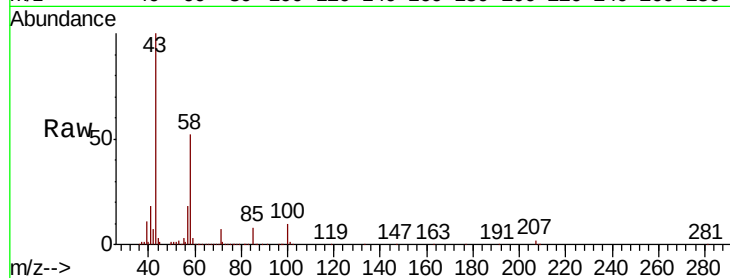




#59
2-Hexanone
Concen: 108.660 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

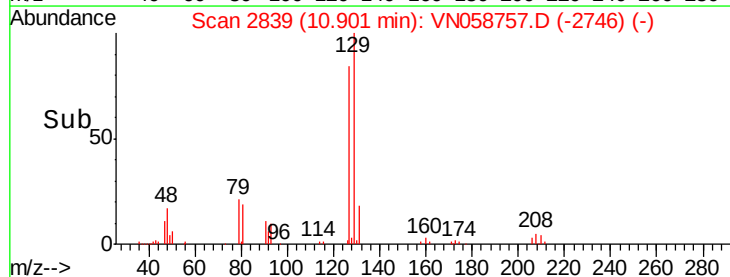
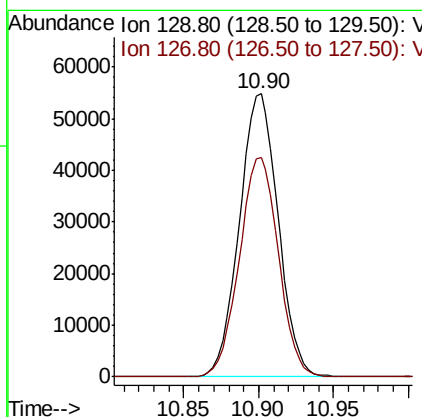
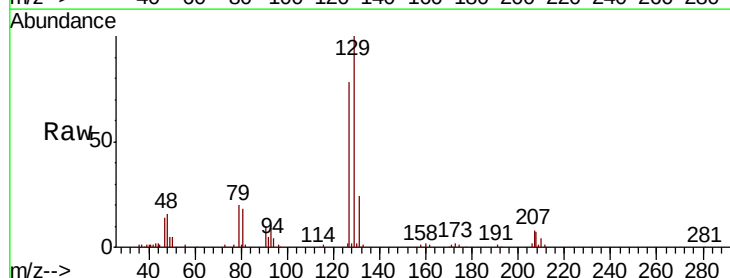
Instrument :
MSVOA_N
ClientSampleId :

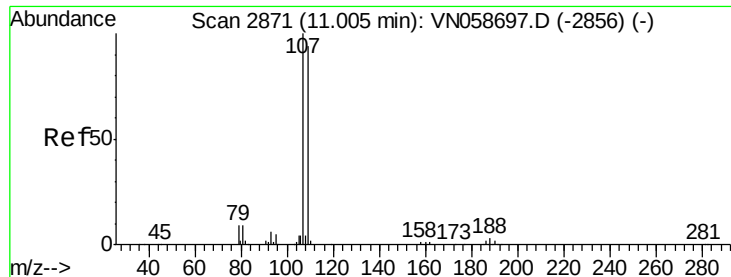
Tot Ion: 43 Resp: 519250
Ion Ratio Lower Upper
43 100
58 51.1 26.1 78.3



#60
Dibromochloromethane
Concen: 20.877 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion: 129 Resp: 98951
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.3

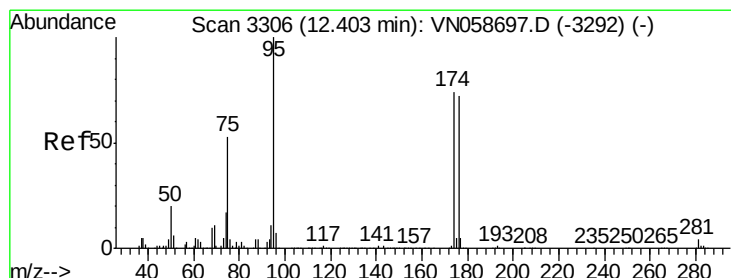
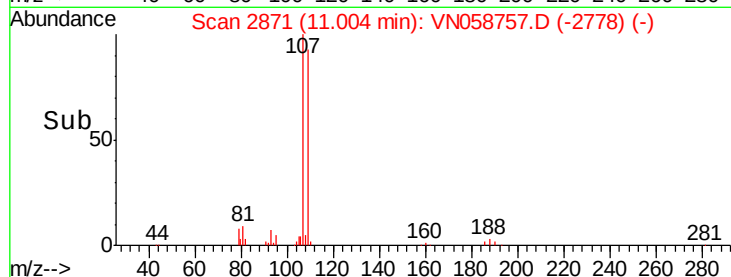
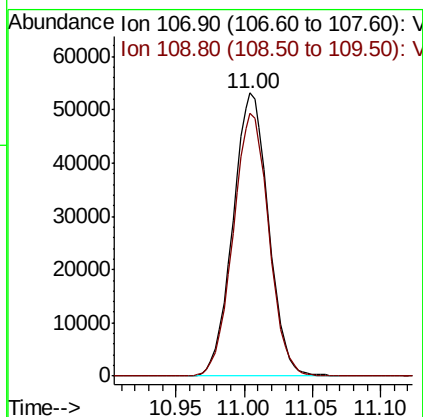
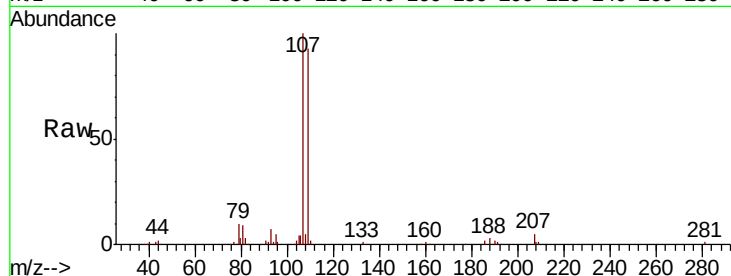




#61
 1,2-Dibromoethane
 Concen: 20.927 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

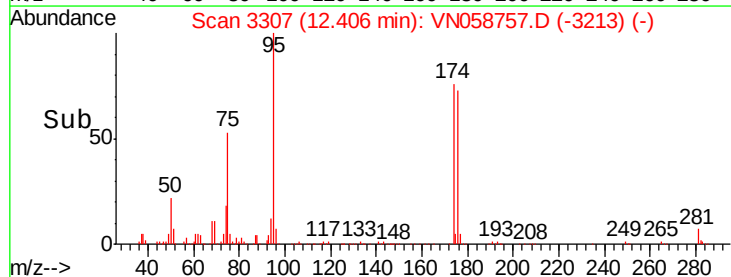
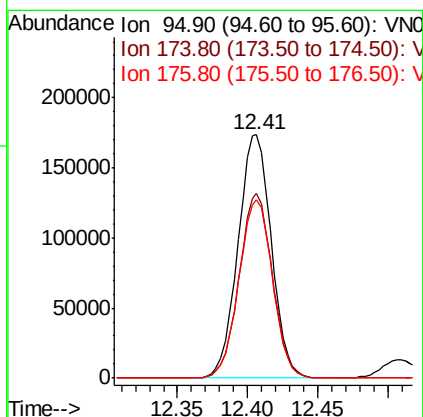
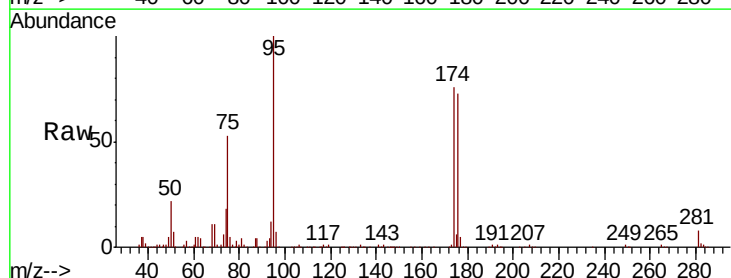
Instrument :
 MSVOA_N
 ClientSampleId :

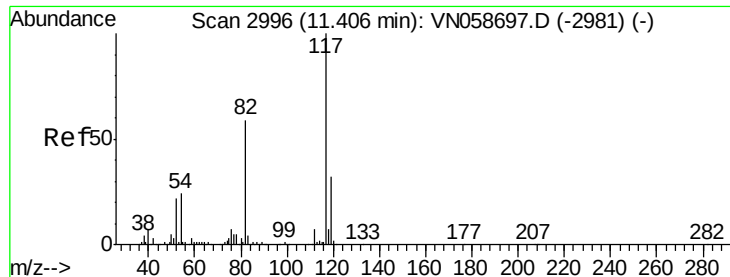
Tot Ion: 107 Resp: 96329
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 48.638 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Tgt Ion: 95 Resp: 287435
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 150.4
 176 74.2 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: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

ClientSampleId :

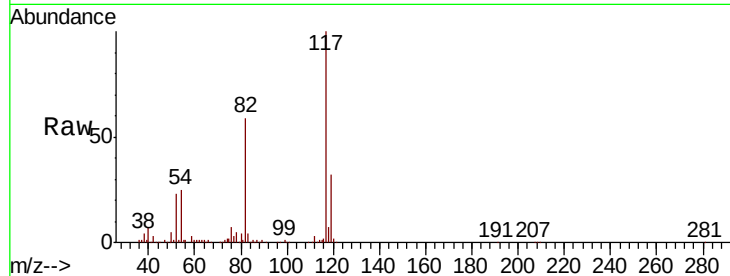
Tot Ion:117 Resp: 580538

Ion Ratio Lower Upper

117 100

82 58.8 47.0 70.4

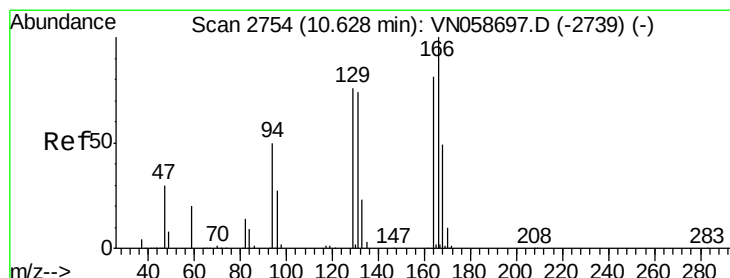
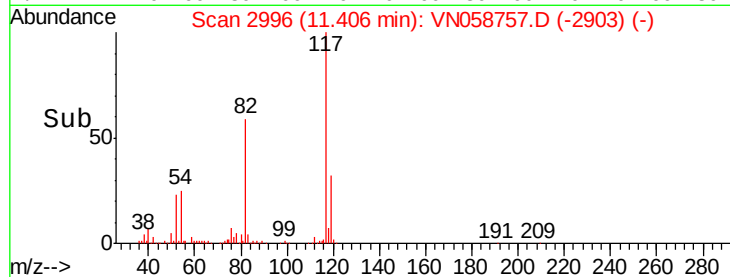
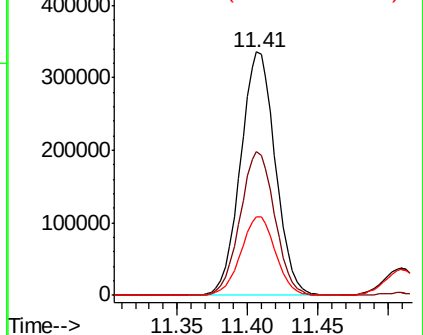
119 32.0 25.4 38.2



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: 20.877 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Tgt Ion:164 Resp: 84819

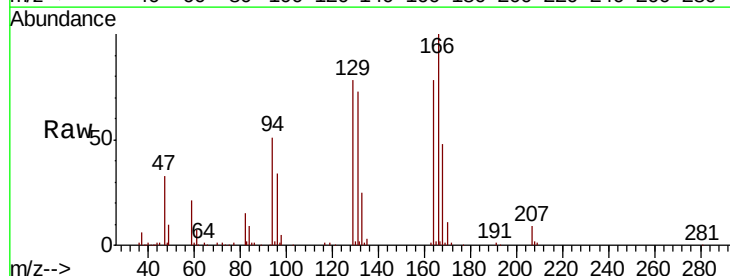
Ion Ratio Lower Upper

164 100

166 127.7 99.3 148.9

129 99.9 75.2 112.8

131 93.7 73.0 109.4

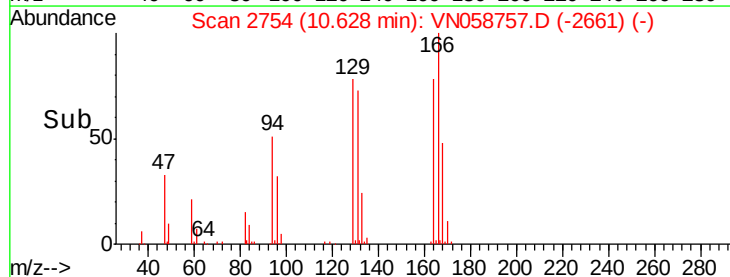
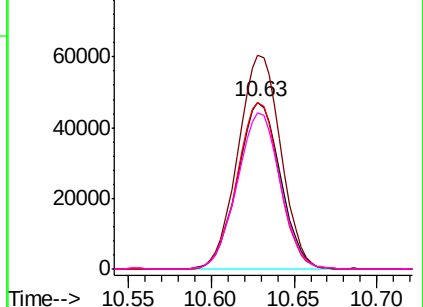


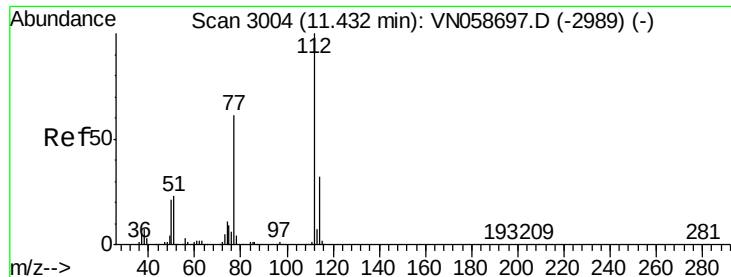
Abundance Ion 163.80 (163.50 to 164.50): V

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

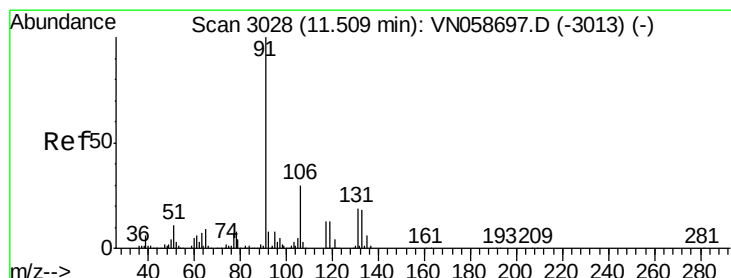
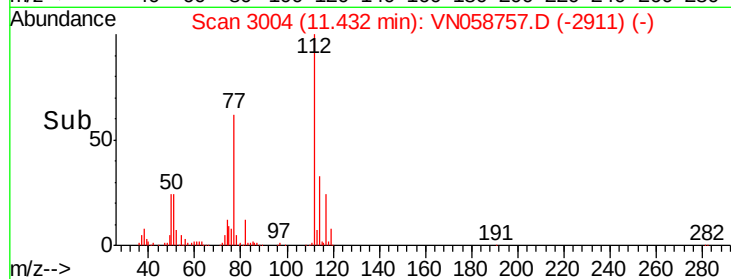
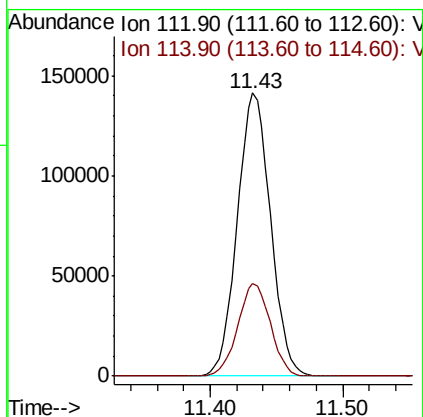
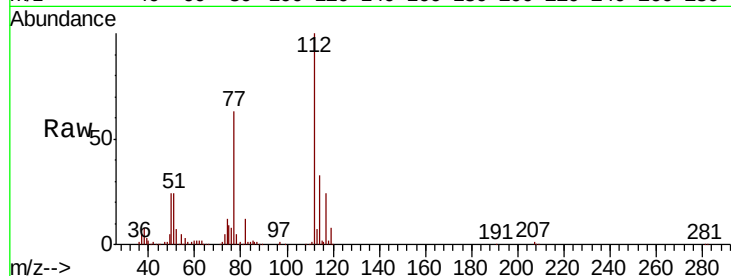




#65
Chlorobenzene
Concen: 20.872 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

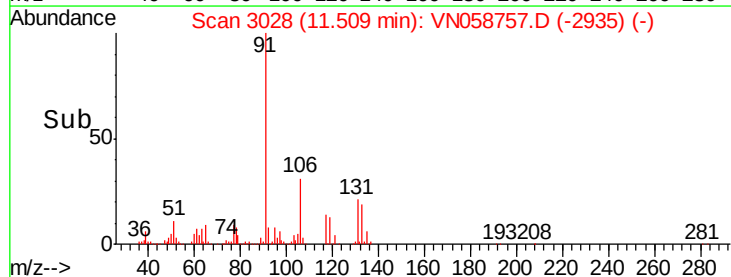
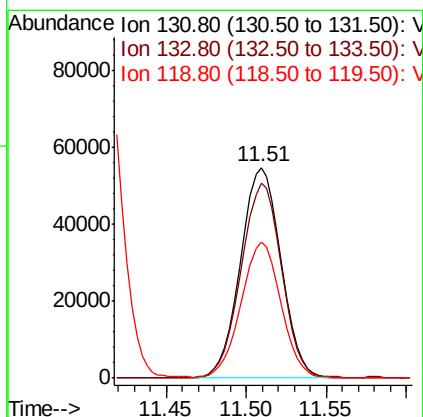
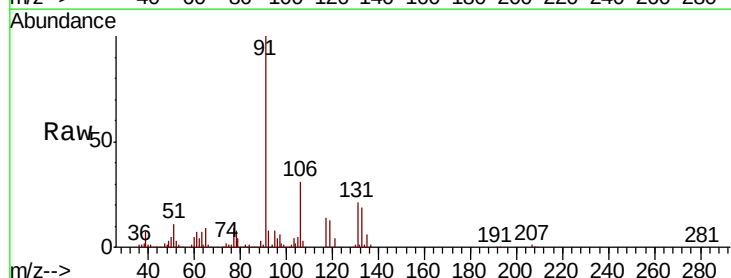
Instrument :
MSVOA_N
ClientSampleId :

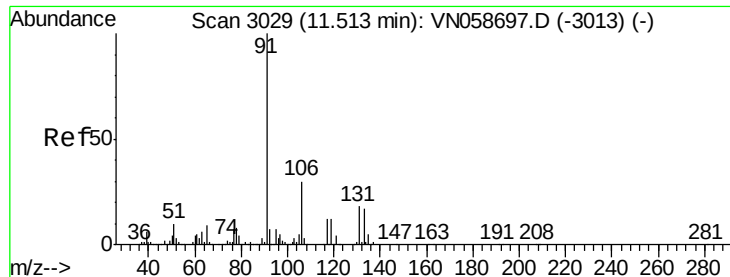
Tot Ion:112 Resp: 246073
Ion Ratio Lower Upper
112 100
114 32.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.677 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion:131 Resp: 94501
Ion Ratio Lower Upper
131 100
133 93.7 47.6 142.9
119 63.9 33.0 98.9





#67

Ethyl Benzene

Concen: 21.048 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

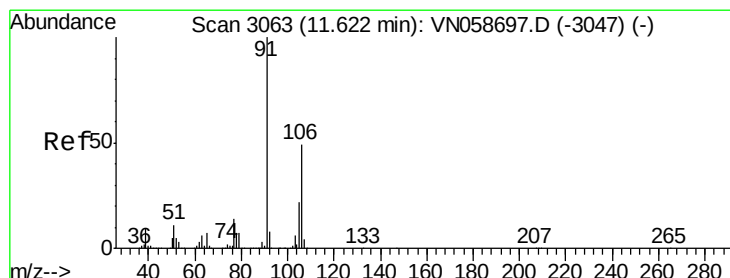
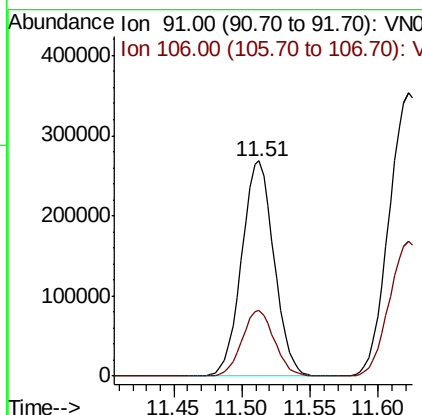
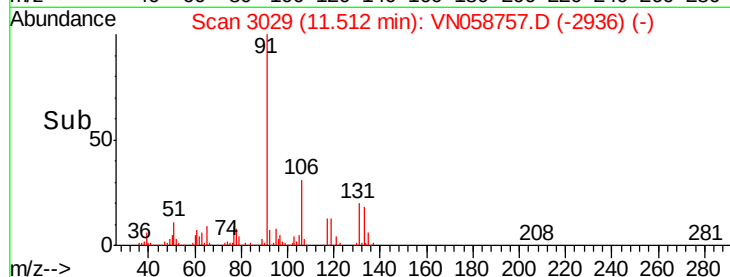
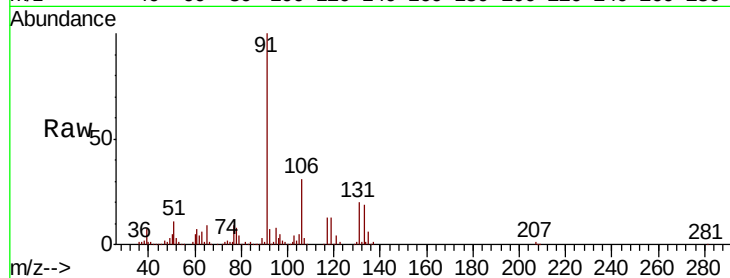
ClientSampled :

Tot Ion: 91 Resp: 442346

Ion Ratio Lower Upper

91 100

106 30.6 24.1 36.1



#68

m/p-Xylenes

Concen: 41.437 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058757.D

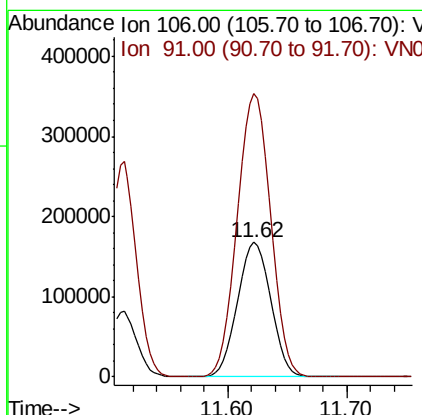
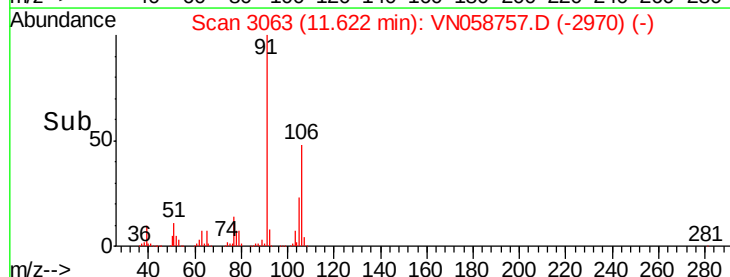
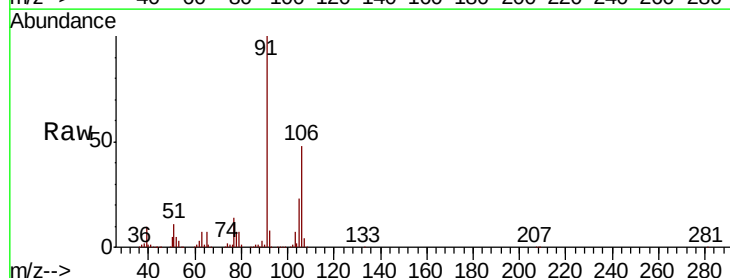
Acq: 14 Oct 2019 18:23

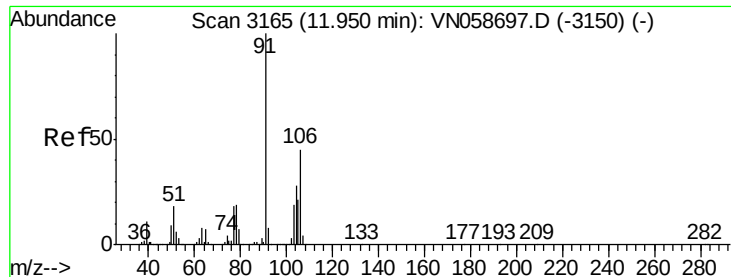
Tgt Ion: 106 Resp: 326799

Ion Ratio Lower Upper

106 100

91 210.5 165.7 248.5

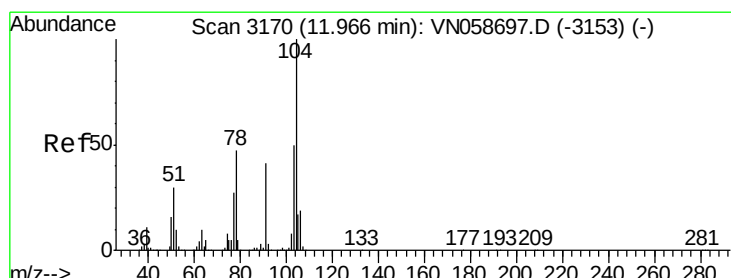
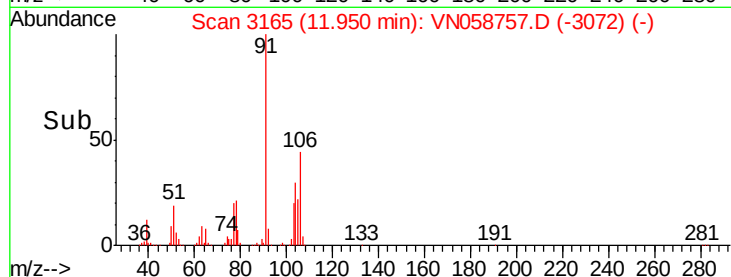
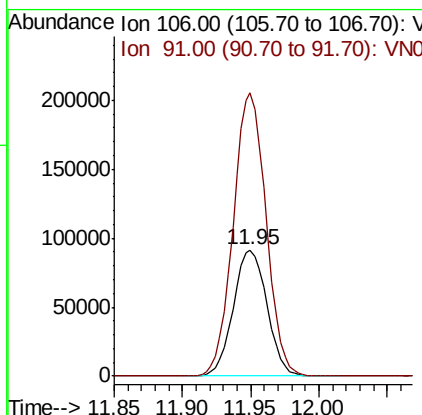
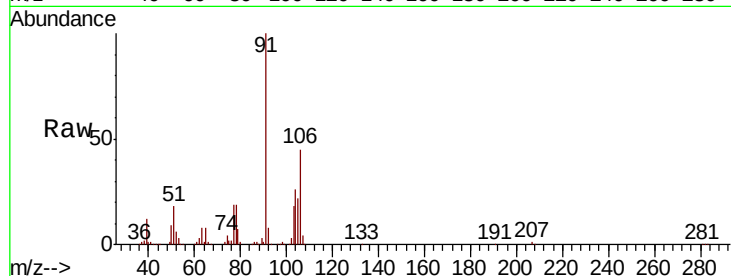




#69
o-Xylene
Concen: 20.546 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

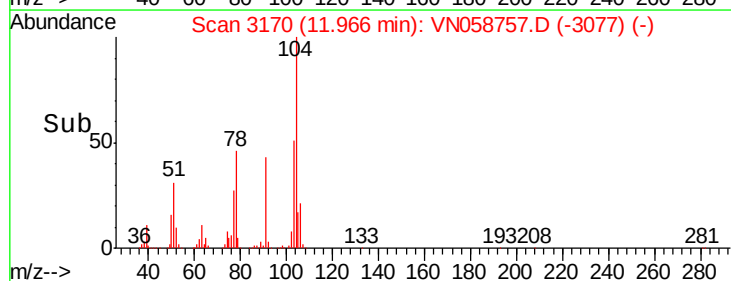
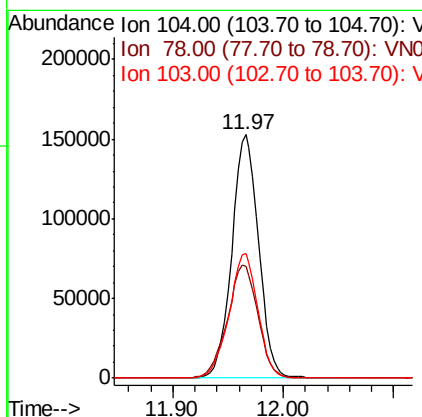
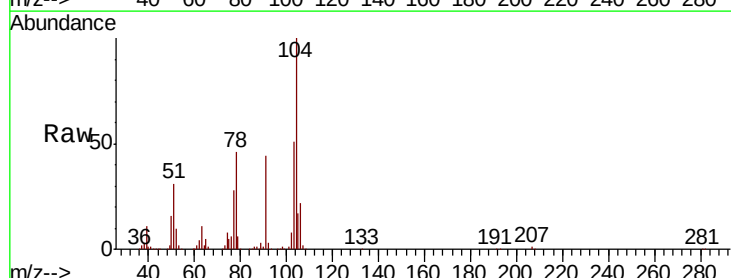
Instrument :
MSVOA_N
ClientSampled :

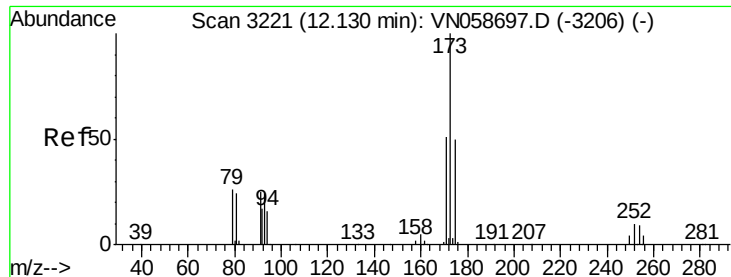
Tot Ion:106 Resp: 156779
Ion Ratio Lower Upper
106 100
91 218.6 110.9 332.9



#70
Styrene
Concen: 20.547 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion:104 Resp: 256973
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 55.3 43.7 65.5

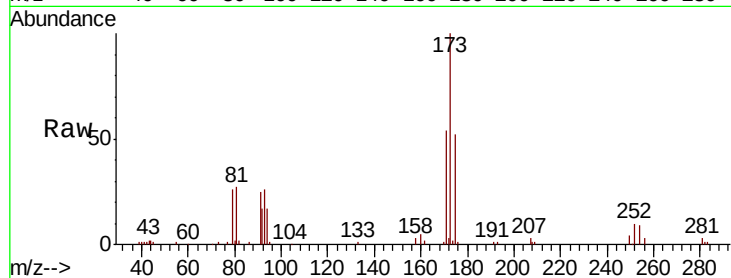




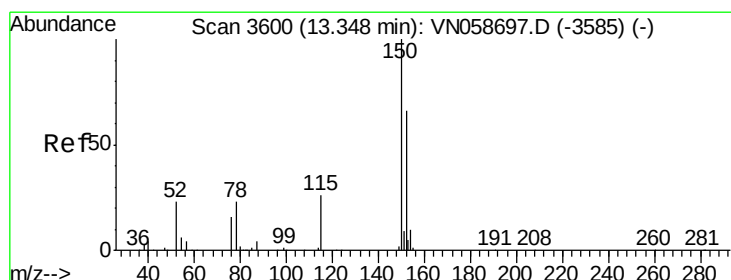
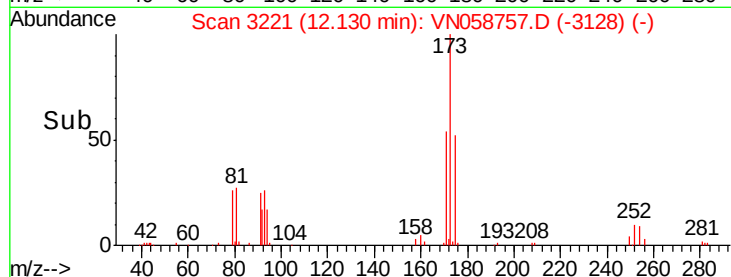
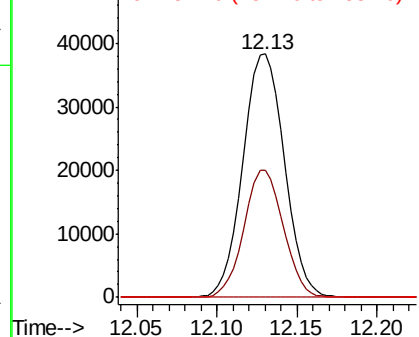
#71
Bromoform
Concen: 21.259 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 67931
Ion Ratio Lower Upper
173 100
175 49.5 24.6 73.8
254 0.0 0.1 0.1#

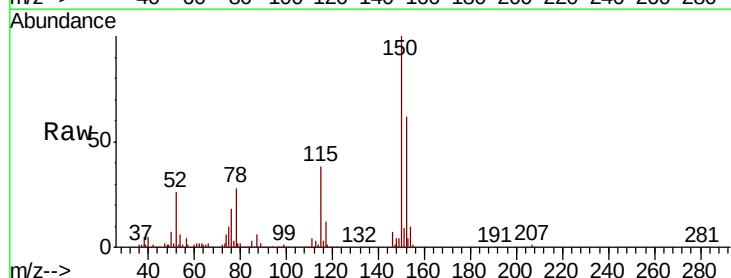


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

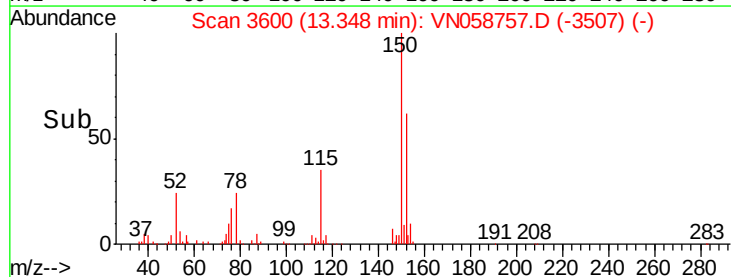
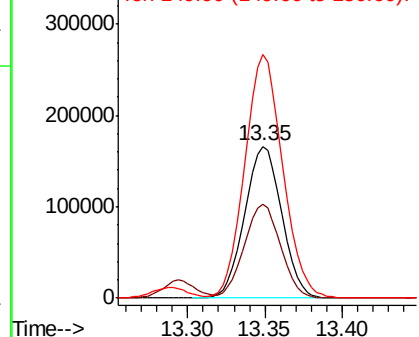


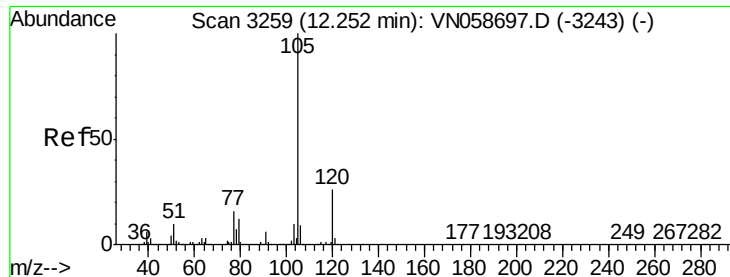
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058757.D
Acq: 14 Oct 2019 18:23

Tgt Ion:152 Resp: 276695
Ion Ratio Lower Upper
152 100
115 60.8 30.4 91.2
150 164.2 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.326 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

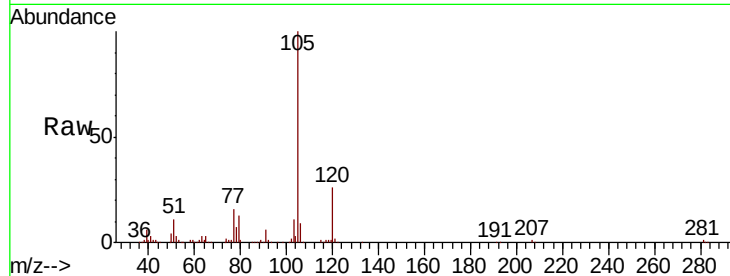
ClientSampleId :

Tot Ion:105 Resp: 427343

Ion Ratio Lower Upper

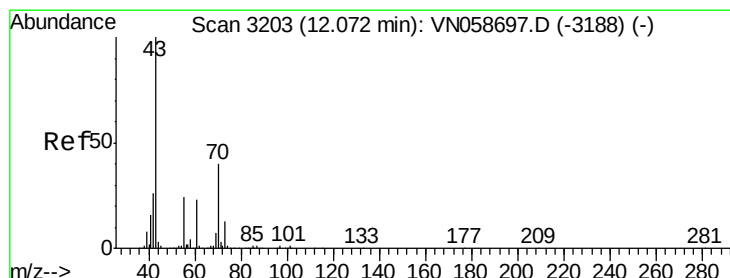
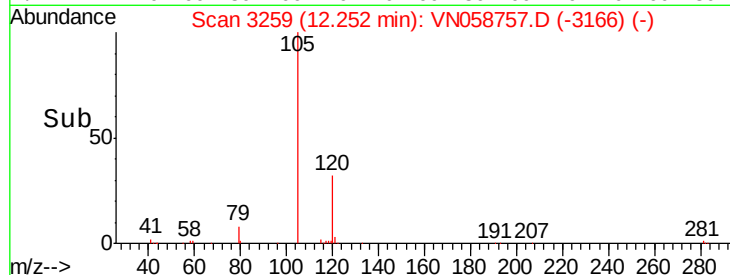
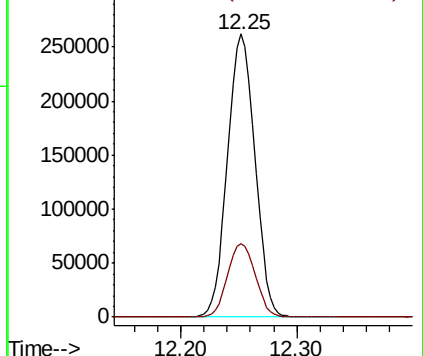
105 100

120 26.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.302 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Tgt Ion: 43 Resp: 191719

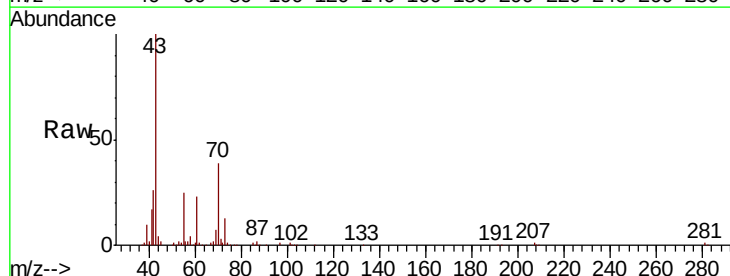
Ion Ratio Lower Upper

43 100

70 39.2 32.2 48.4

55 25.4 19.6 29.4

61 22.7 18.6 28.0

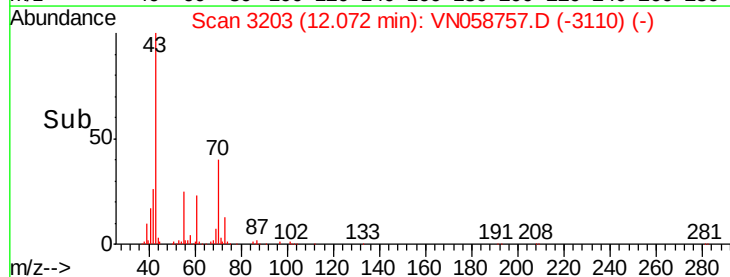
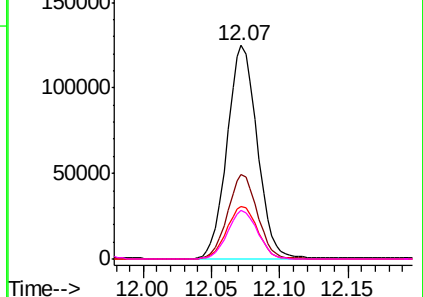


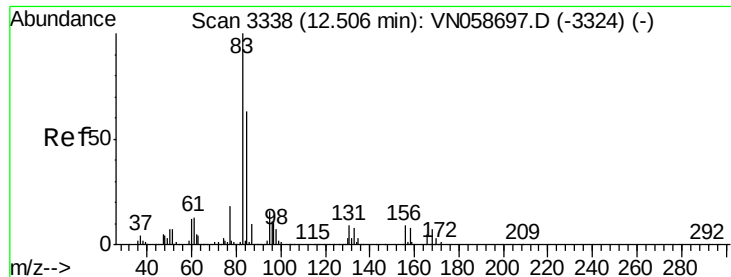
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.901 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

ClientSampled :

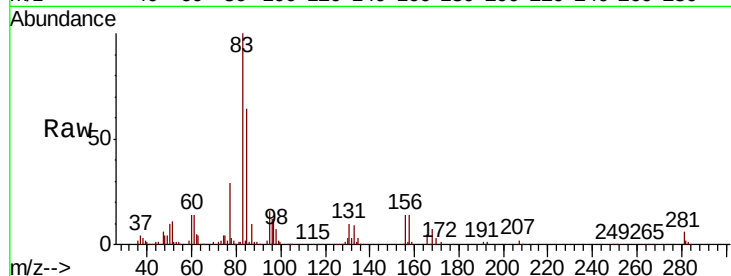
Tot Ion: 83 Resp: 144578

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.4

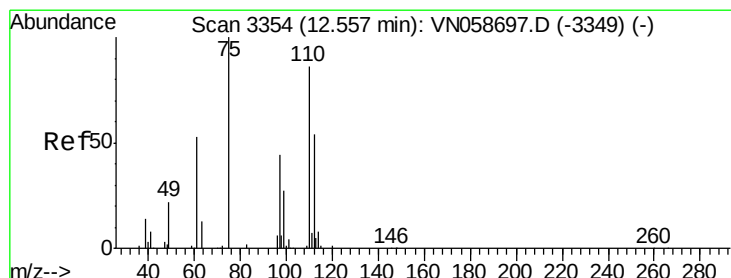
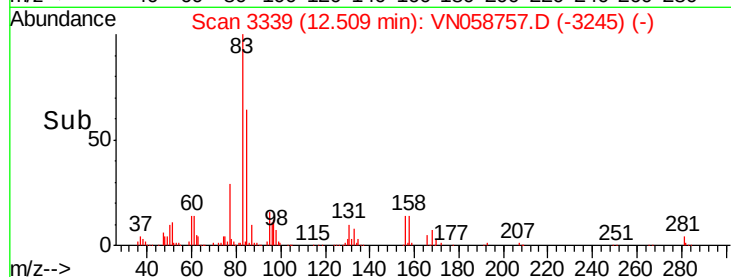
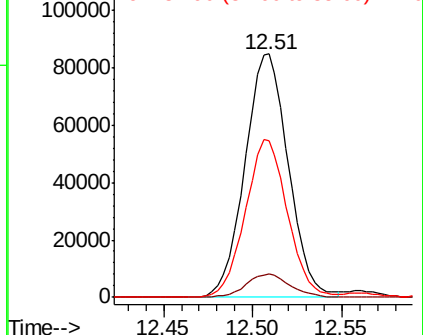
85 63.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.220 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058757.D

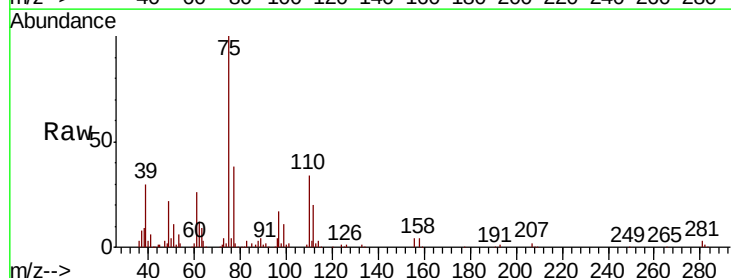
Acq: 14 Oct 2019 18:23

Tgt Ion: 75 Resp: 189504

Ion Ratio Lower Upper

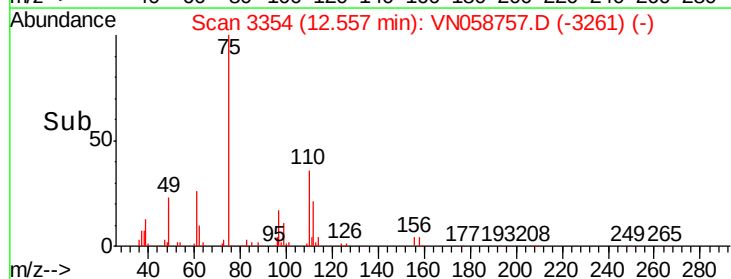
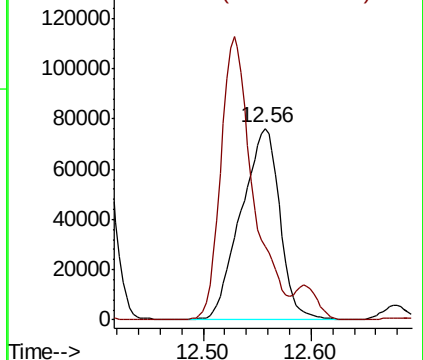
75 100

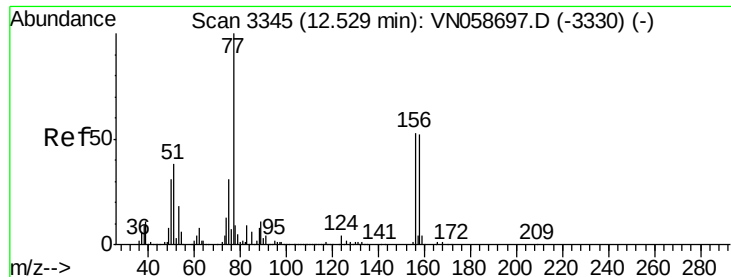
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.889 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

ClientSampleId :

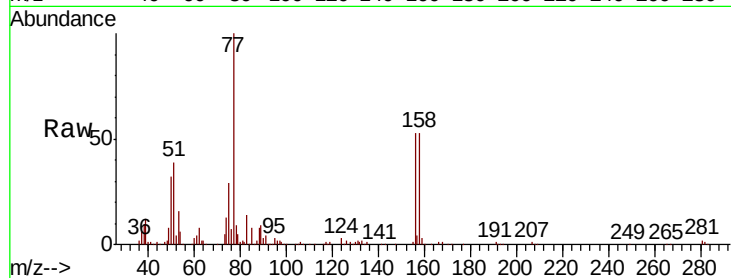
Tot Ion:156 Resp: 101816

Ion Ratio Lower Upper

156 100

77 231.6 115.8 347.3

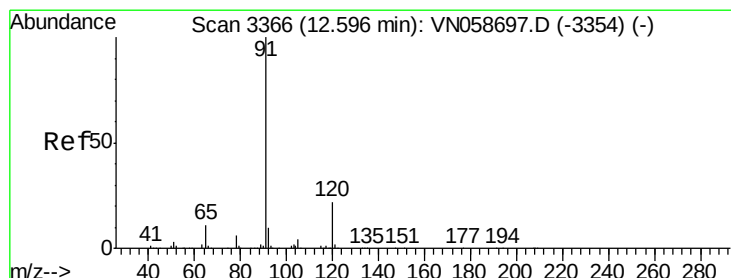
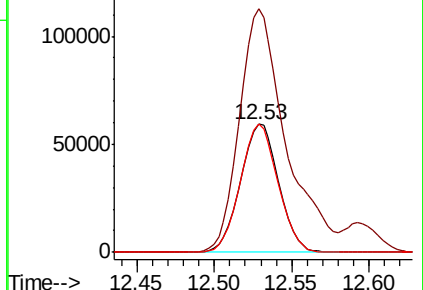
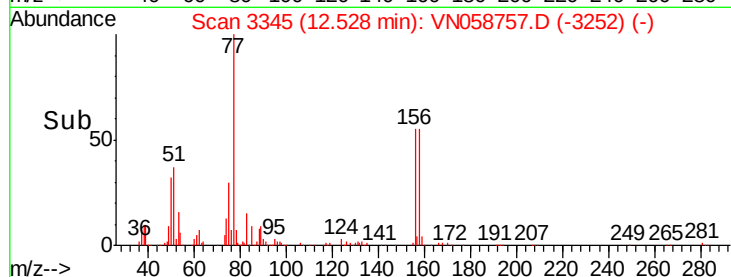
158 98.1 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.792 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058757.D

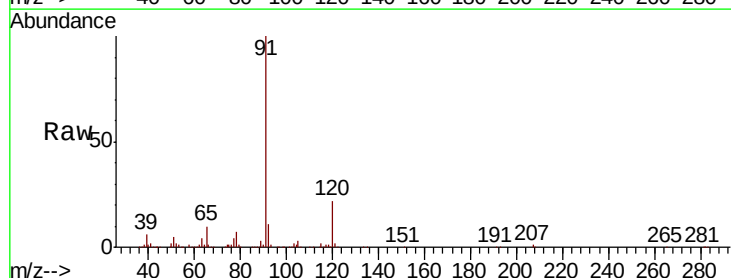
Acq: 14 Oct 2019 18:23

Tgt Ion: 91 Resp: 508867

Ion Ratio Lower Upper

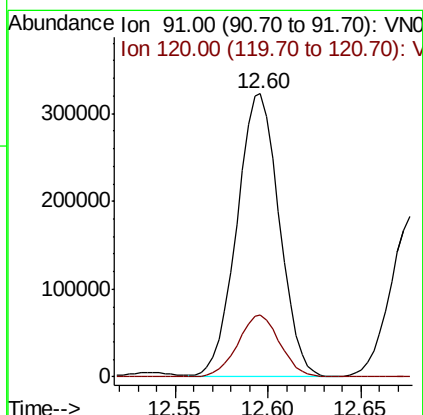
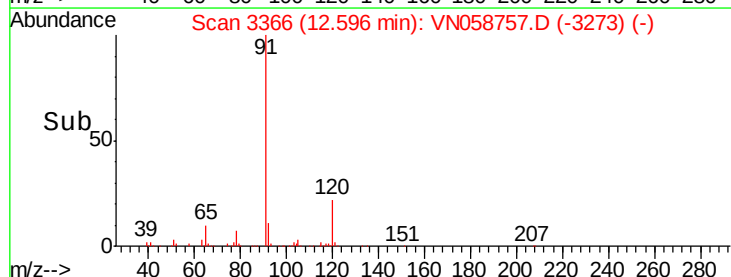
91 100

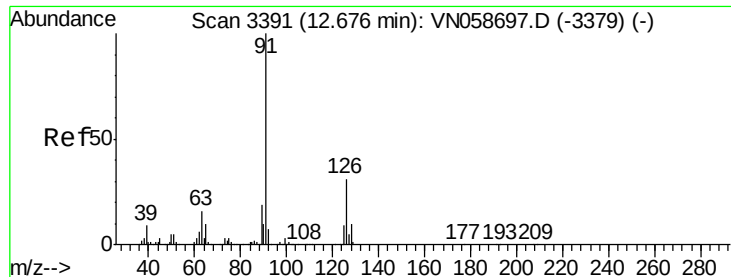
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.974 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

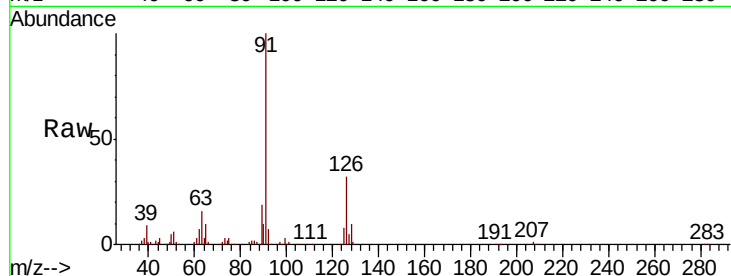
ClientSampled :

Tot Ion: 91 Resp: 303985

Ion Ratio Lower Upper

91 100

126 31.8 16.2 48.5



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

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

250000

200000

150000

100000

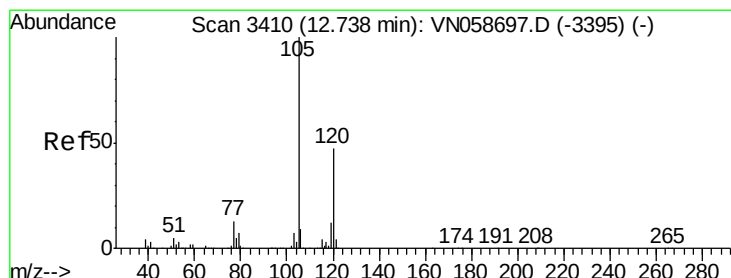
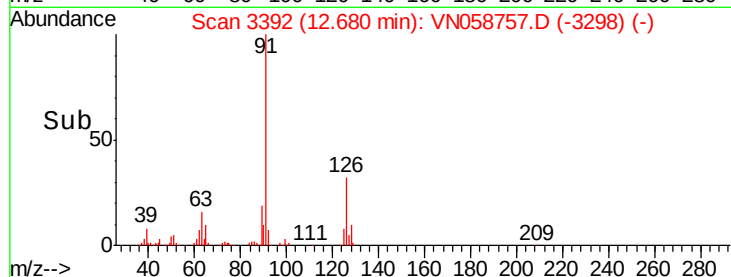
50000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.286 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058757.D

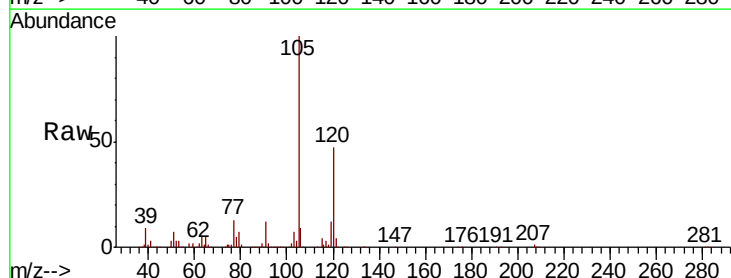
Acq: 14 Oct 2019 18:23

Tgt Ion: 105 Resp: 364168

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.2



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

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

250000

200000

150000

100000

50000

0

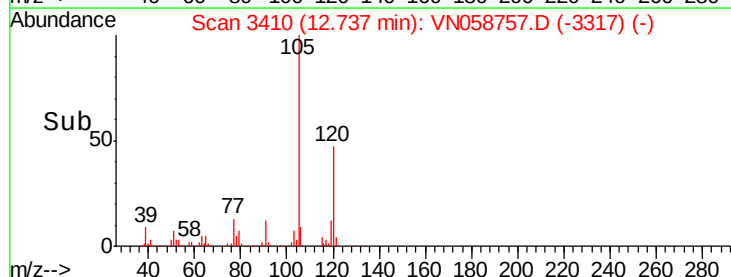
12.65

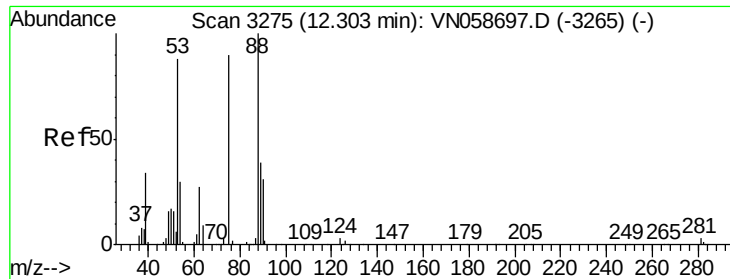
12.70

12.75

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.910 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

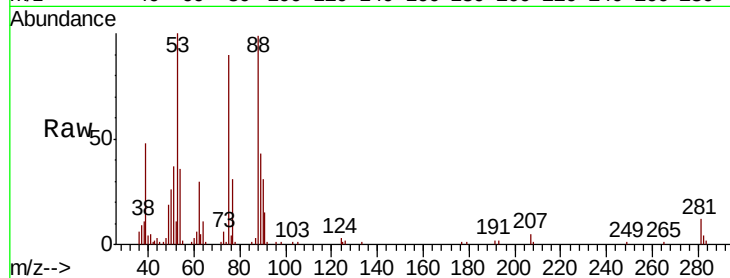
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 42852

Ion	Ratio	Lower	Upper
75	100		
53	111.8	78.4	117.6
89	49.1	34.9	52.3

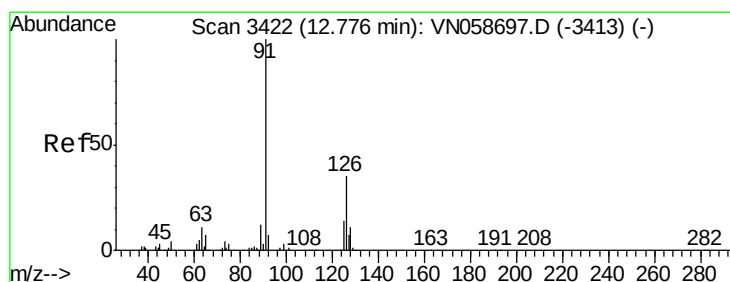
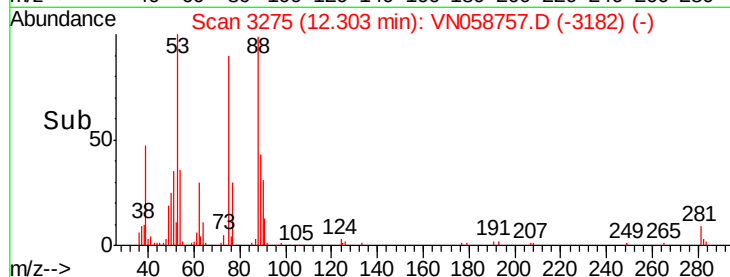
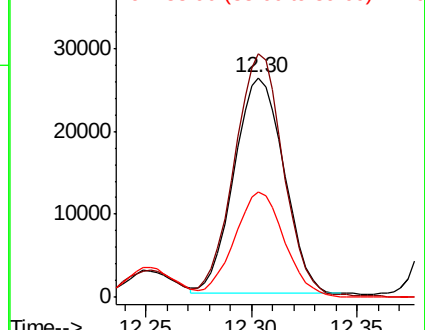


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.112 ug/l

RT: 12.78 min Scan# 3422

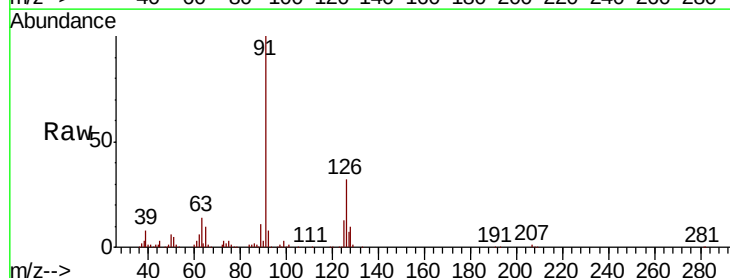
Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Tgt Ion: 91 Resp: 313978

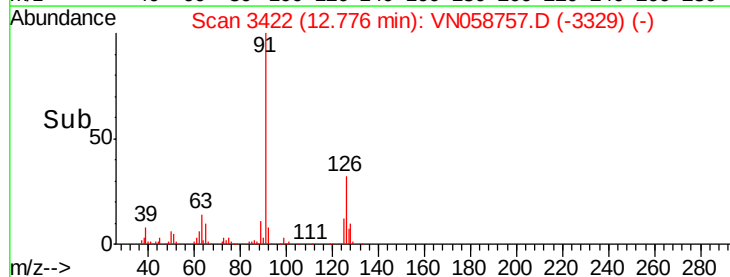
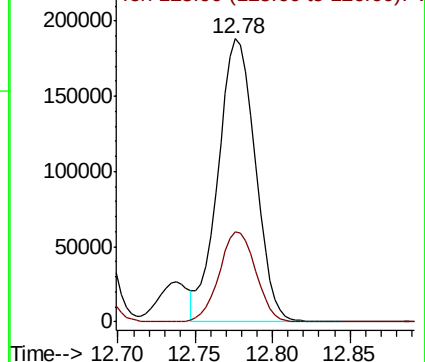
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.6

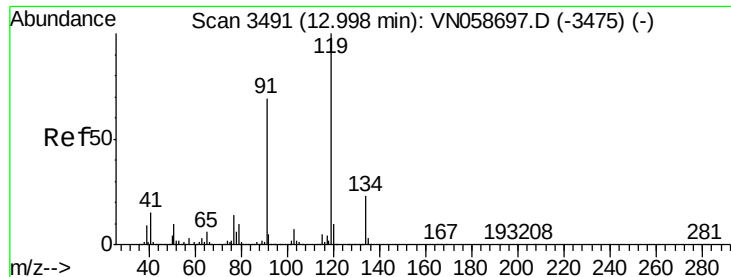


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

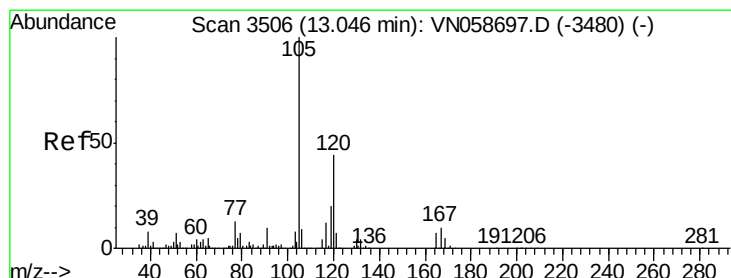
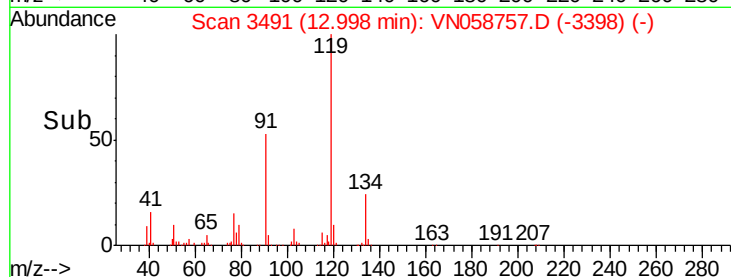
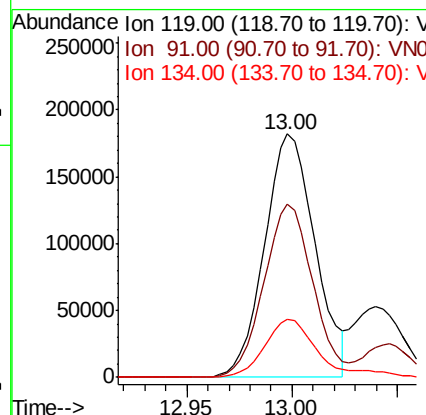
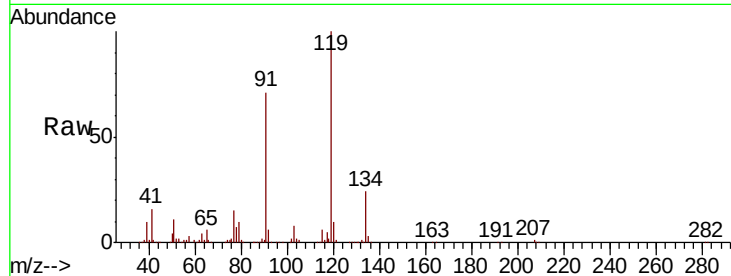




#83
 tert-Butylbenzene
 Concen: 20.667 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

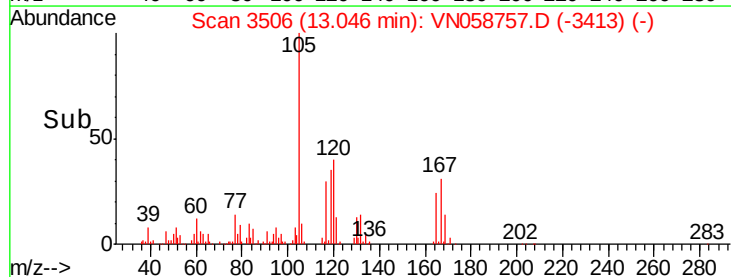
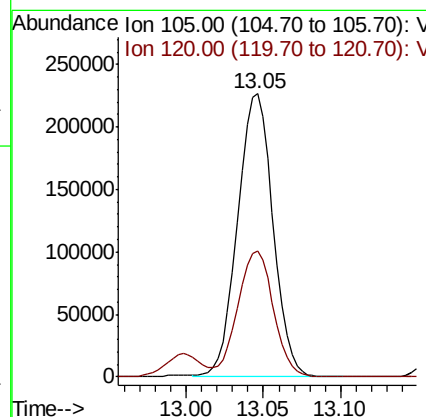
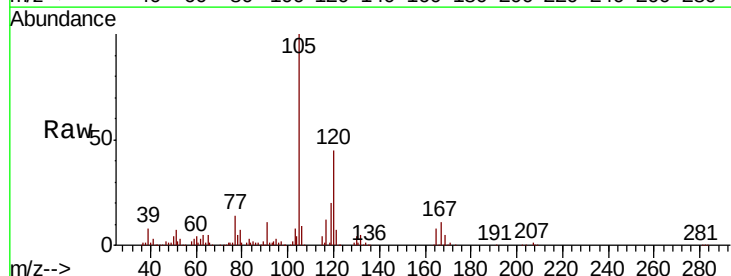
Instrument :
 MSVOA_N
 ClientSampleId :

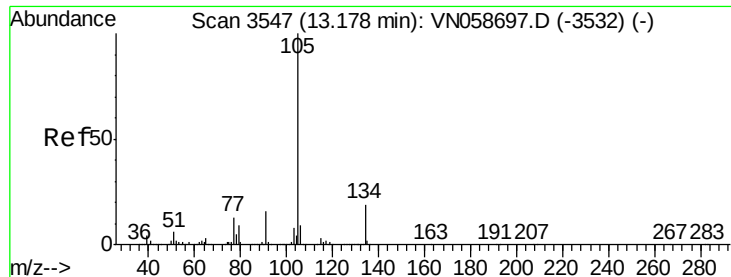
Tot Ion:119 Resp: 302896
 Ion Ratio Lower Upper
 119 100
 91 69.0 33.8 101.3
 134 25.4 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.091 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Tgt Ion:105 Resp: 358202
 Ion Ratio Lower Upper
 105 100
 120 45.0 21.9 65.7

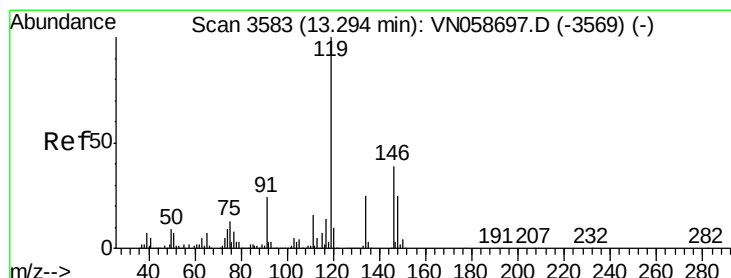
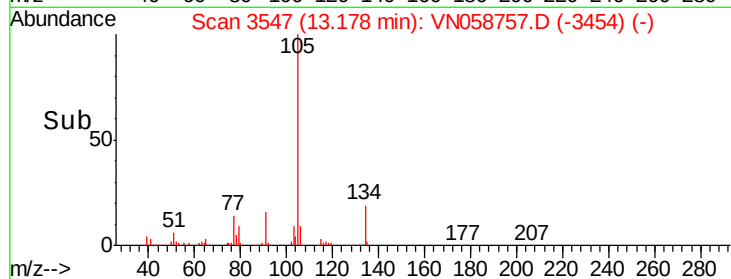
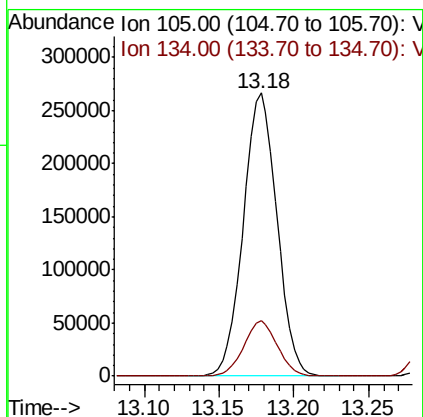
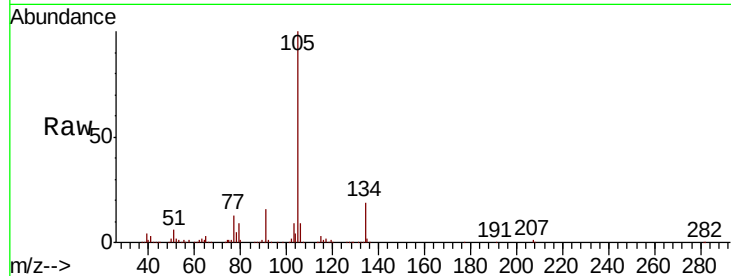




#85
 sec-Butylbenzene
 Concen: 21.624 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

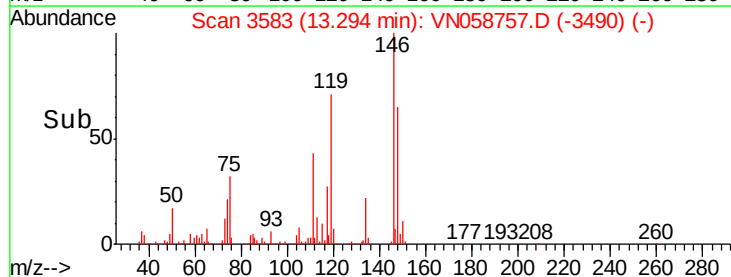
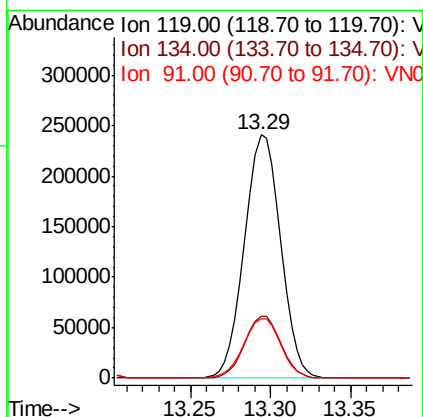
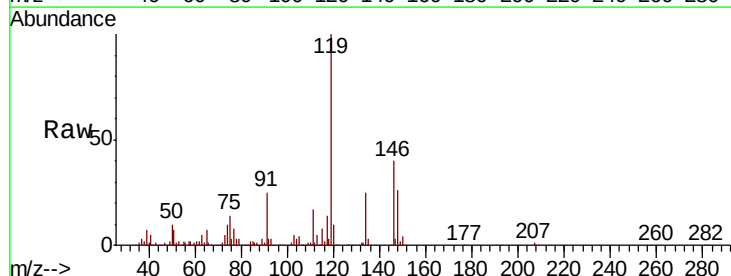
Instrument :
 MSVOA_N
 ClientSampleId :

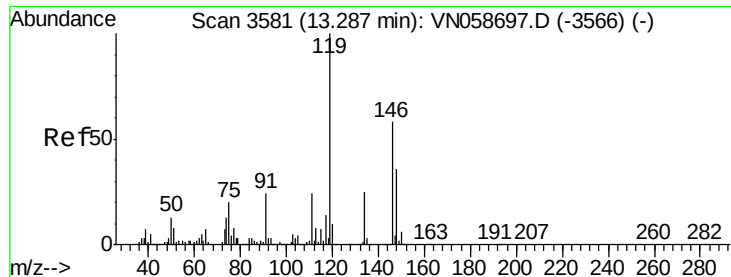
Tot Ion:105 Resp: 417594
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.092 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Tgt Ion:119 Resp: 370194
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.7 38.1
 91 25.0 11.9 35.5

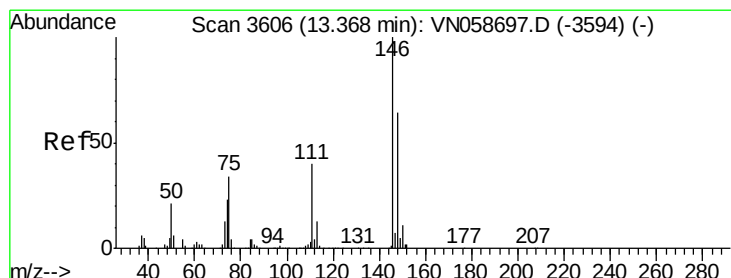
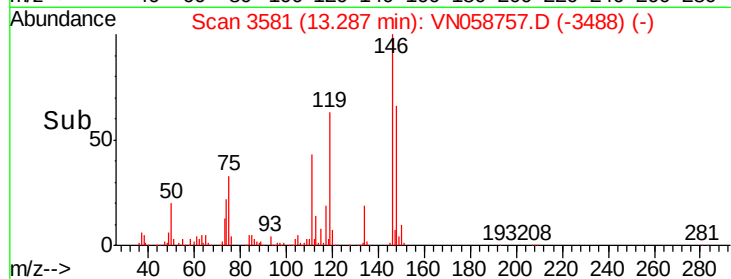
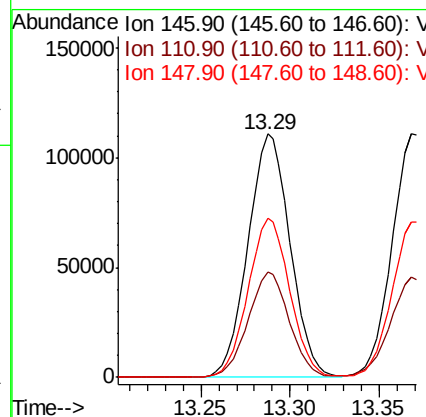
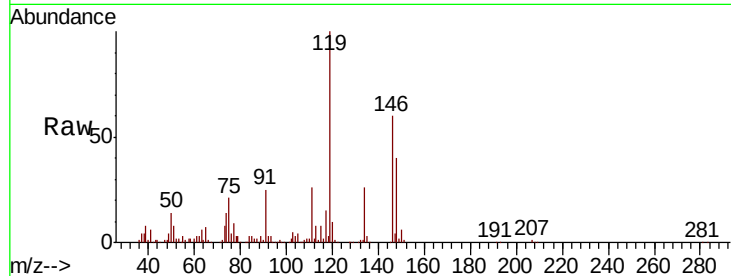




#87
 1,3-Dichlorobenzene
 Concen: 20.329 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

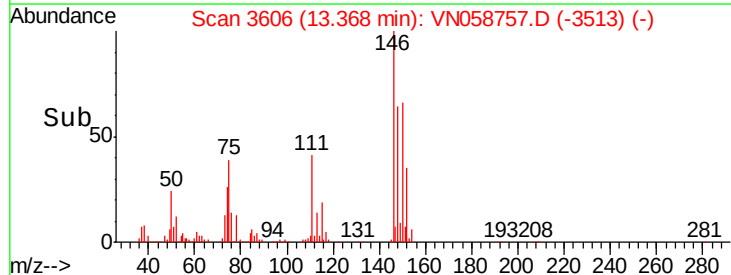
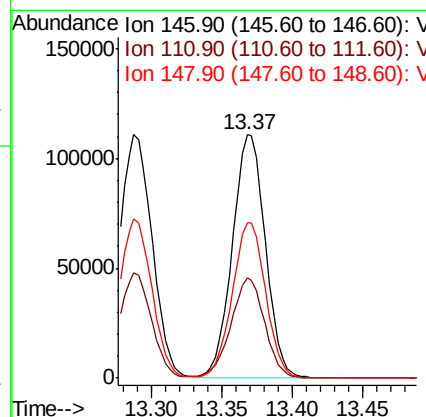
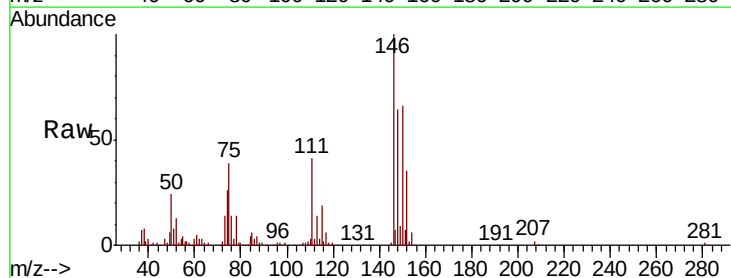
Instrument :
 MSVOA_N
 ClientSampled :

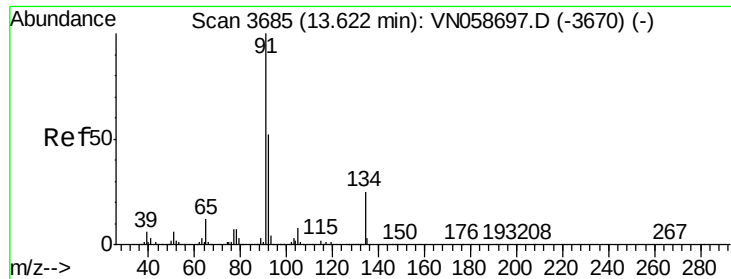
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.5	61.6
148	64.9	31.3	93.9



#88
 1,4-Dichlorobenzene
 Concen: 19.894 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.1	60.2
148	64.5	31.9	95.7





#89

n-Butylbenzene

Concen: 20.243 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

ClientSampled :

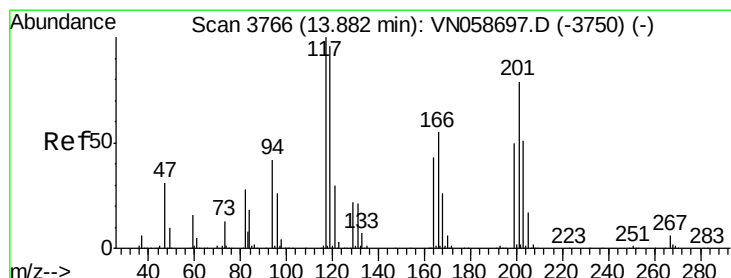
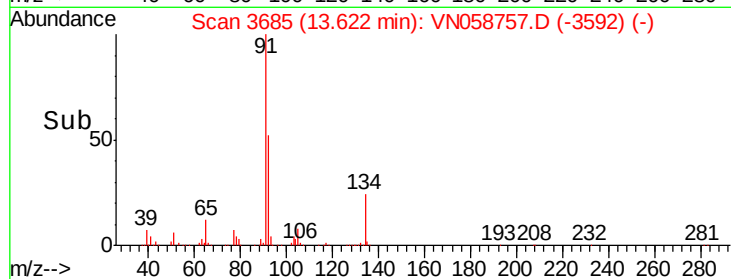
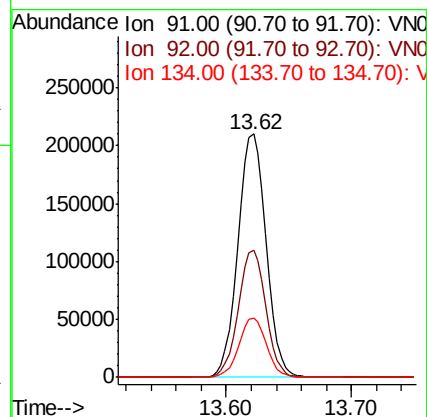
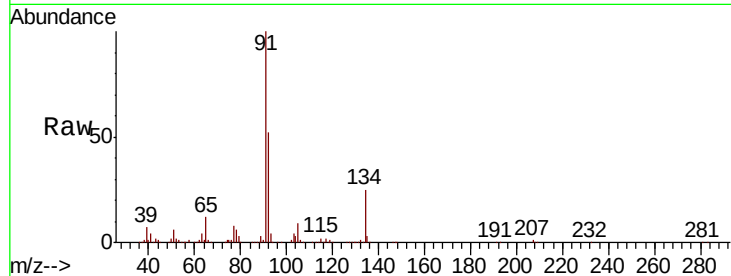
Tot Ion: 91 Resp: 328524

Ion Ratio Lower Upper

91 100

92 50.9 26.0 78.0

134 23.9 12.2 36.6



#90

Hexachloroethane

Concen: 21.595 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058757.D

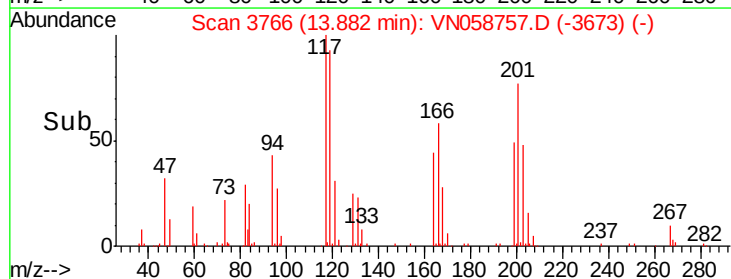
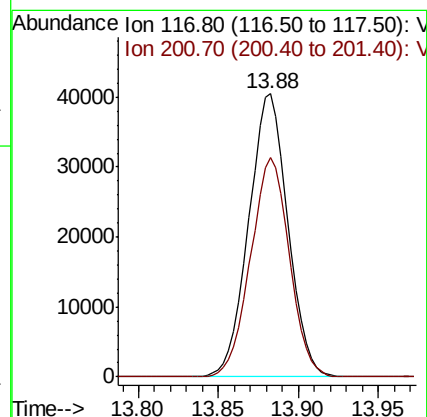
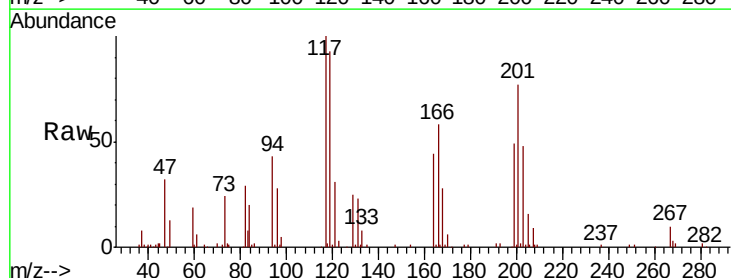
Acq: 14 Oct 2019 18:23

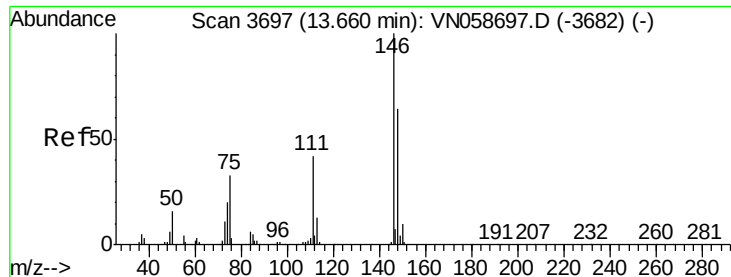
Tgt Ion: 117 Resp: 67820

Ion Ratio Lower Upper

117 100

201 76.9 39.6 118.7





#91

1,2-Dichlorobenzene

Concen: 21.004 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058757.D

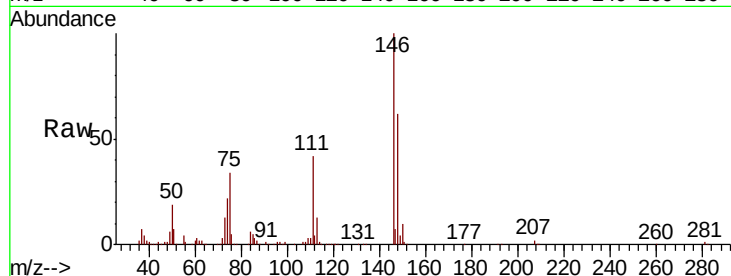
Acq: 14 Oct 2019 18:23

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	184015
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.5	31.8	95.3

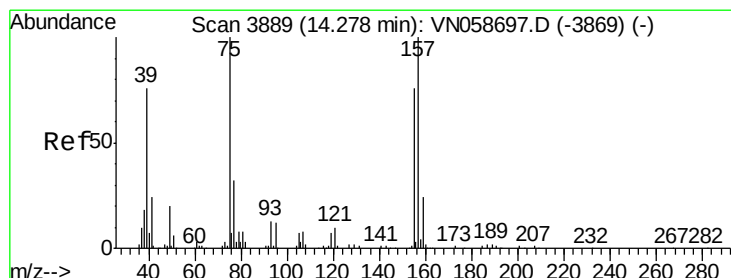
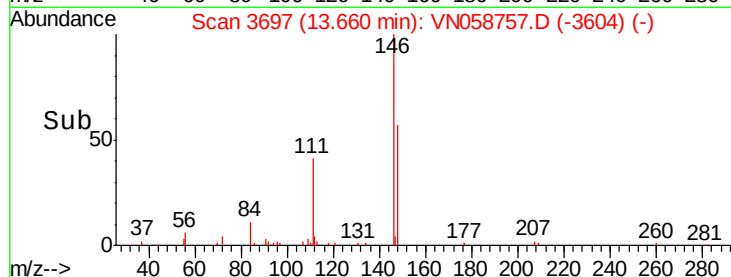
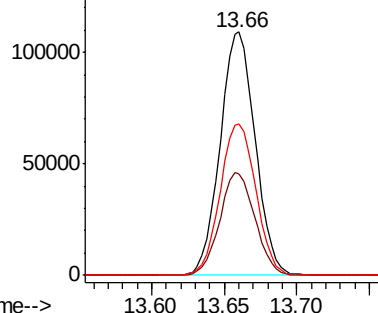


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.503 ug/l

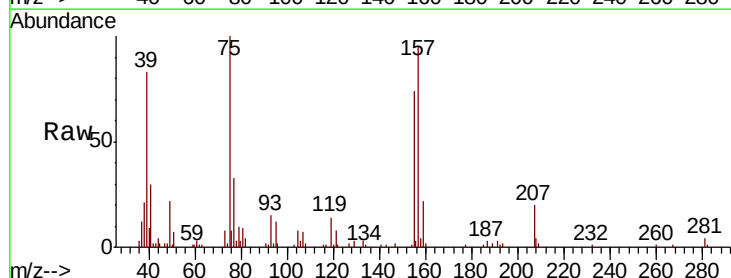
RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Tgt Ion:	75	Resp:	31620
Ion	Ratio	Lower	Upper
75	100		
155	71.0	37.9	113.6
157	92.0	49.4	148.2

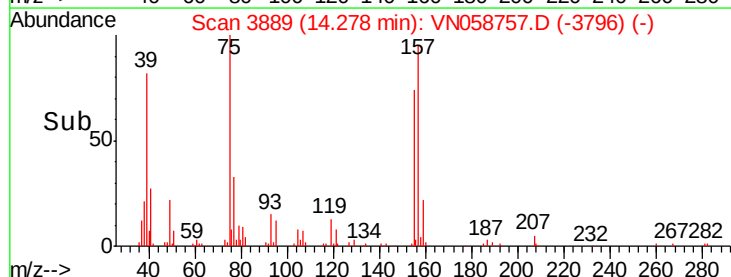
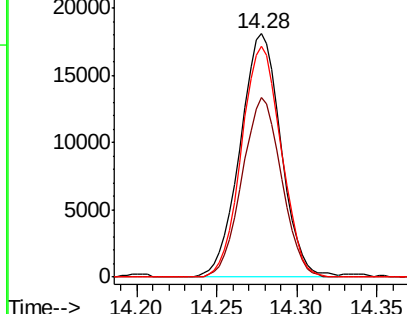


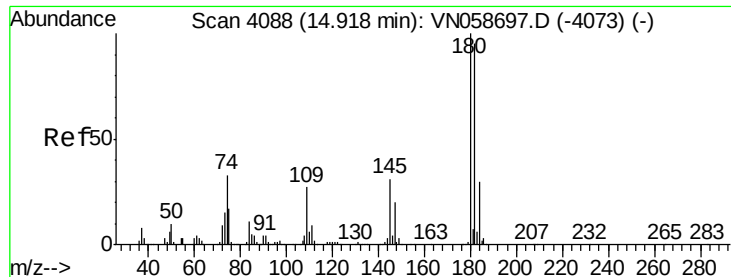
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

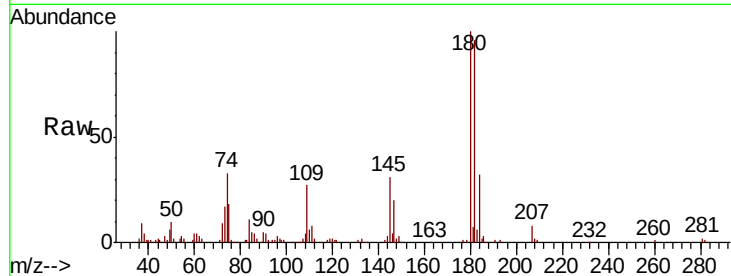




#93
 1,2,4-Trichlorobenzene
 Concen: 19.172 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.2
145	30.2	15.4	46.2

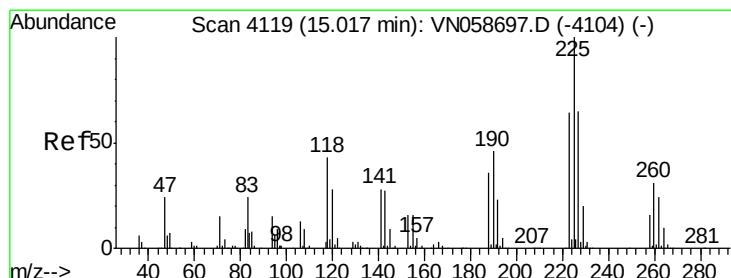
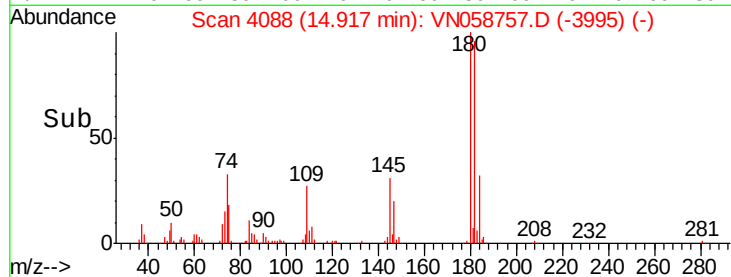
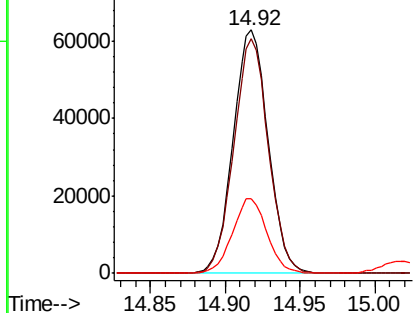


Abundance

Ion 179.80 (179.50 to 180.50): V

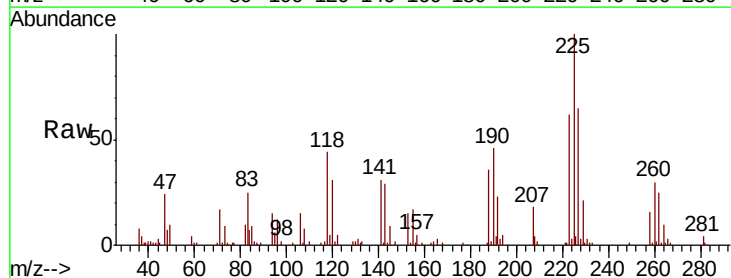
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.436 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058757.D
 Acq: 14 Oct 2019 18:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.3	96.8
227	65.0	32.4	97.0

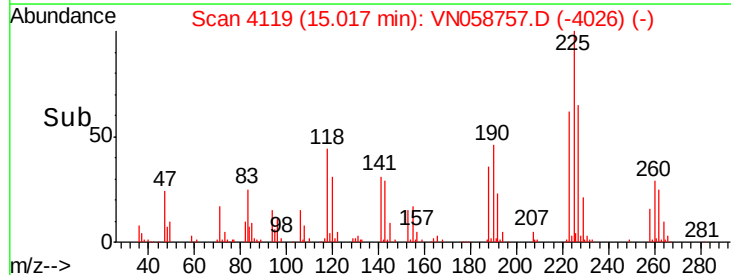
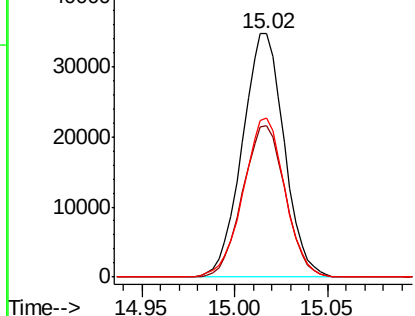


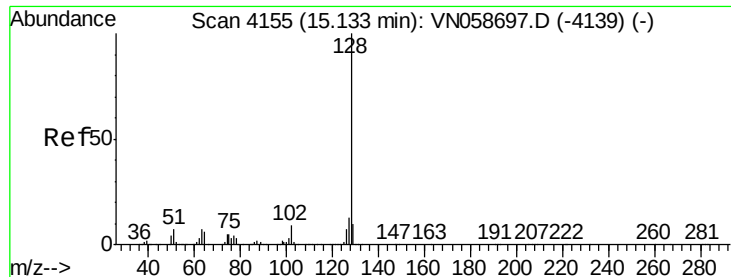
Abundance

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: 19.171 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

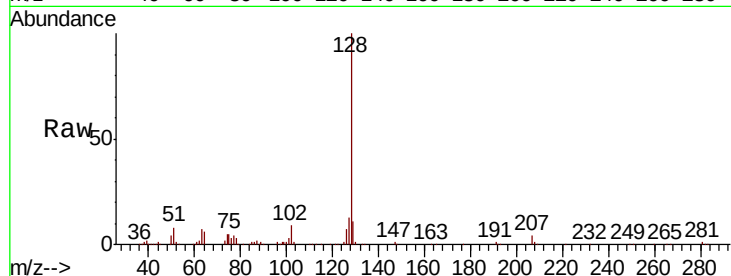
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 294460

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.7	8.5	12.7

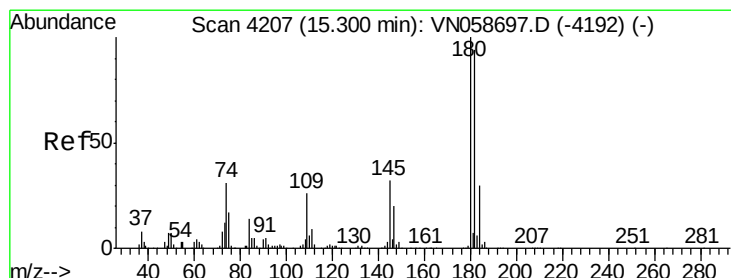
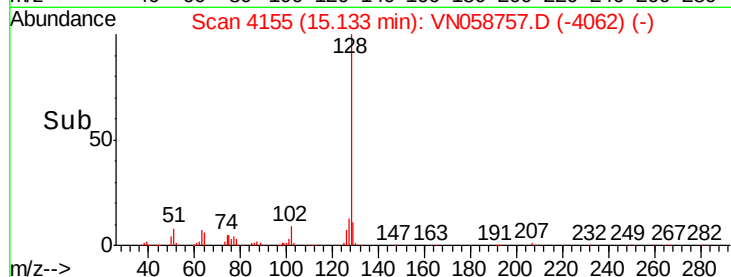
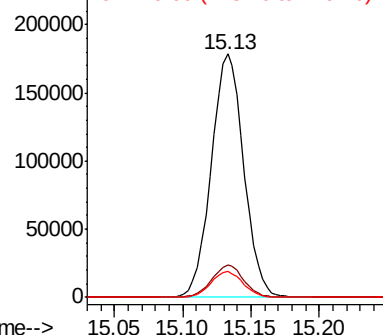


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.391 ug/l

RT: 15.30 min Scan# 4207

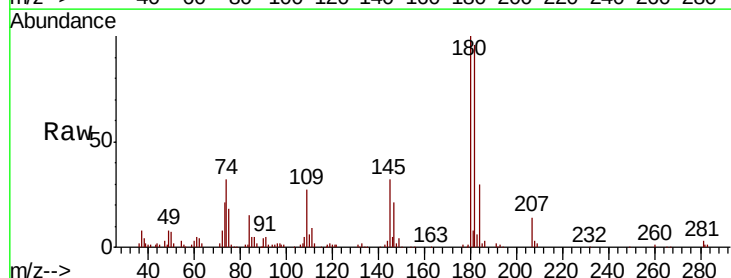
Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Tgt Ion:180 Resp: 101177

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	142.0
145	32.9	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

