

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058922.D
 Acq On : 23 Oct 2019 12:28
 Operator : JC/SP
 Sample : VN1024WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 01:10:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	341291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	549891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	237735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	251599	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	7.57	113	178330	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.08	98	682800	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.40	95	244379	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	79752	18.742	ug/l 100
3) Chloromethane	2.04	50	96929	18.392	ug/l 99
4) Vinyl Chloride	2.17	62	99655	19.044	ug/l 99
5) Bromomethane	2.55	94	62873	19.187	ug/l 95
6) Chloroethane	2.68	64	63557	18.940	ug/l 97
7) Trichlorofluoromethane	3.00	101	126998	19.615	ug/l 98
8) Diethyl Ether	3.39	74	42849	19.151	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68636	19.122	ug/l 97
10) Methyl Iodide	3.93	142	88659	18.780	ug/l 99
11) Tert butyl alcohol	4.76	59	74337	89.492	ug/l 100
12) 1,1-Dichloroethene	3.72	96	63767	18.953	ug/l 94
13) Acrolein	3.58	56	41622	72.926	ug/l 98
14) Allyl chloride	4.30	41	126942	18.646	ug/l 97
15) Acrylonitrile	4.96	53	201888	96.624	ug/l 100
16) Acetone	3.79	43	218201	88.217	ug/l 97
17) Carbon Disulfide	4.03	76	194680	17.963	ug/l 100
18) Methyl Acetate	4.30	43	105142	18.697	ug/l 99
19) Methyl tert-butyl Ether	5.02	73	229618	19.491	ug/l 99
20) Methylene Chloride	4.53	84	79822	18.900	ug/l 99
21) trans-1,2-Dichloroethene	5.01	96	70323	18.926	ug/l 94
22) Diisopropyl ether	5.93	45	265223	19.917	ug/l 100
23) Vinyl Acetate	5.87	43	1092505	102.114	ug/l 100
24) 1,1-Dichloroethane	5.82	63	149189	19.321	ug/l 100
25) 2-Butanone	6.81	43	292242	91.018	ug/l 100
26) 2,2-Dichloropropane	6.80	77	126699	18.970	ug/l 100
27) cis-1,2-Dichloroethene	6.81	96	80709	19.015	ug/l 99
28) Bromochloromethane	7.18	49	48097	18.703	ug/l 98
29) Tetrahydrofuran	7.19	42	186706	95.056	ug/l 99
30) Chloroform	7.35	83	148414	19.161	ug/l 97
31) Cyclohexane	7.64	56	129184	17.959	ug/l 94
32) 1,1,1-Trichloroethane	7.55	97	126387	19.359	ug/l 99
36) 1,1-Dichloropropene	7.78	75	105991	18.827	ug/l 99
37) Ethyl Acetate	6.91	43	116844	19.048	ug/l 98
38) Carbon Tetrachloride	7.76	117	109744	18.922	ug/l 97

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 ClientSampleId :

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112356	17.774	ug/l	97
40) Benzene	8.02	78	318794	19.284	ug/l	97
41) Methacrylonitrile	7.19	41	172463	63.125	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	123994	19.471	ug/l	97
43) Isopropyl Acetate	8.15	43	185025	18.807	ug/l #	92
44) Trichloroethene	8.82	130	77755	19.308	ug/l	94
45) 1,2-Dichloropropane	9.11	63	88346	19.489	ug/l	100
46) Dibromomethane	9.20	93	54585	19.047	ug/l	99
47) Bromodichloromethane	9.39	83	113692	19.248	ug/l	99
48) Methyl methacrylate	9.19	41	84130	18.848	ug/l	99
49) 1,4-Dioxane	9.19	88	27324	372.911	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	591037	102.855	ug/l	99
52) Toluene	10.15	92	193019	19.689	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	123779	18.930	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	134334	19.230	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	78587	19.459	ug/l	99
56) Ethyl methacrylate	10.43	69	113514	18.128	ug/l	99
57) 1,3-Dichloropropane	10.70	76	138342	19.517	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	250316	91.064	ug/l	100
59) 2-Hexanone	10.75	43	434670	97.891	ug/l	98
60) Dibromochloromethane	10.90	129	83356	19.176	ug/l	98
61) 1,2-Dibromoethane	11.00	107	79711	19.286	ug/l	99
64) Tetrachloroethene	10.63	164	68596	19.023	ug/l	98
65) Chlorobenzene	11.43	112	203284	19.393	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	77771	19.661	ug/l	99
67) Ethyl Benzene	11.51	91	360174	19.587	ug/l	96
68) m/p-Xylenes	11.62	106	266176	39.032	ug/l	99
69) o-Xylene	11.95	106	125675	19.323	ug/l	100
70) Styrene	11.97	104	204864	18.193	ug/l	99
71) Bromoform	12.13	173	57110	18.618	ug/l #	99
73) Isopropylbenzene	12.25	105	349118	20.094	ug/l	100
74) N-amyl acetate	12.07	43	150130	19.060	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	120109	19.661	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	158248	28.721	ug/l #	100
77) Bromobenzene	12.53	156	84088	19.636	ug/l	98
78) n-propylbenzene	12.59	91	408910	19.911	ug/l	100
79) 2-Chlorotoluene	12.68	91	248723	19.788	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	295831	20.266	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39790	18.813	ug/l	98
82) 4-Chlorotoluene	12.78	91	250397	19.494	ug/l	99
83) tert-Butylbenzene	13.00	119	247516	19.829	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	294219	20.435	ug/l	99
85) sec-Butylbenzene	13.18	105	335865	20.181	ug/l	100
86) p-Isopropyltoluene	13.29	119	292207	19.899	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	149227	19.488	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	144993	18.913	ug/l	96
89) n-Butylbenzene	13.62	91	257168	19.064	ug/l	99
90) Hexachloroethane	13.88	117	57692	19.388	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	147371	19.581	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25478	18.439	ug/l	94

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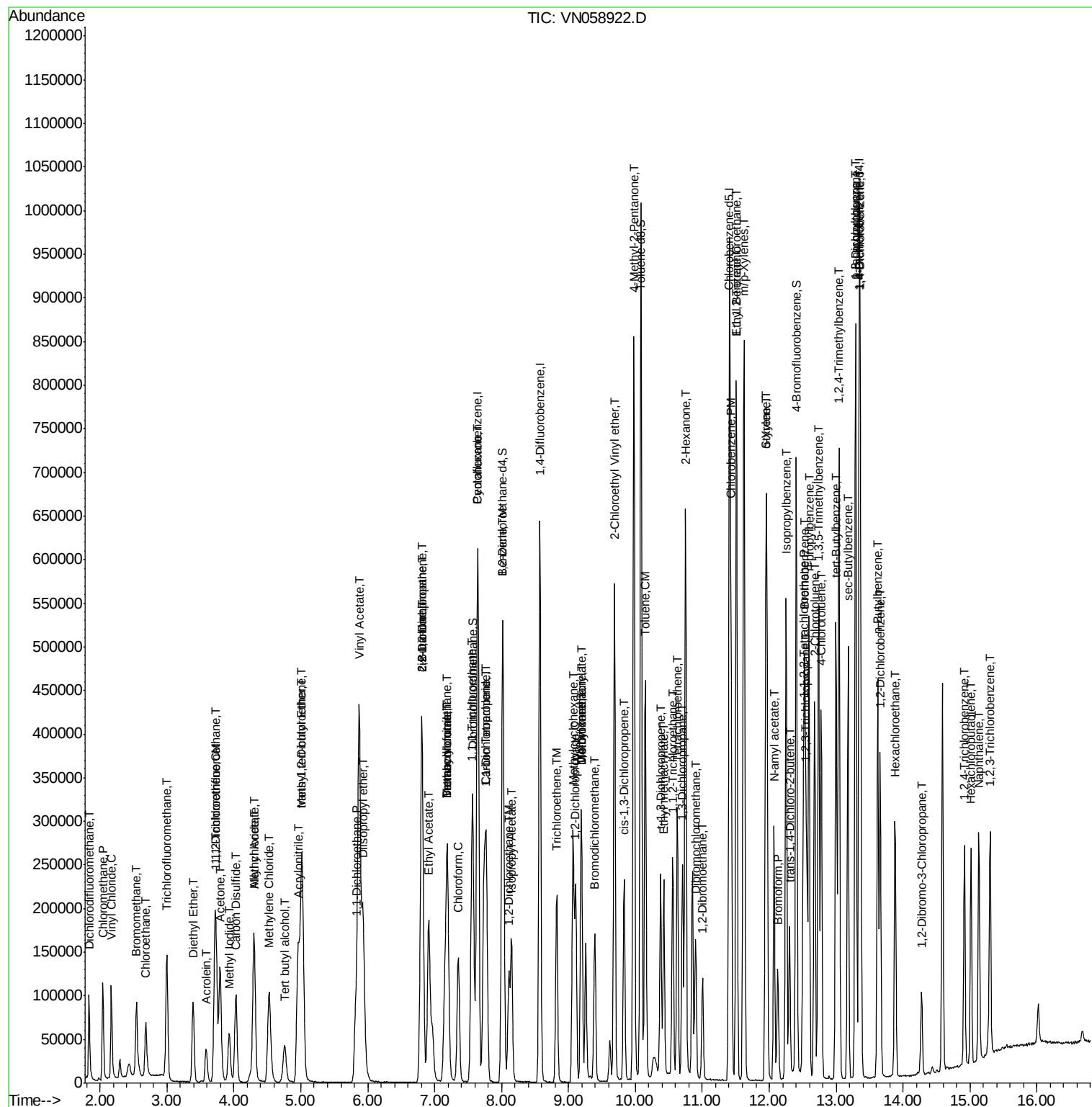
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	75366	17.626	ug/l	98
94) Hexachlorobutadiene	15.01	225	45679	18.726	ug/l	100
95) Naphthalene	15.13	128	208562	16.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	76012	18.085	ug/l	100

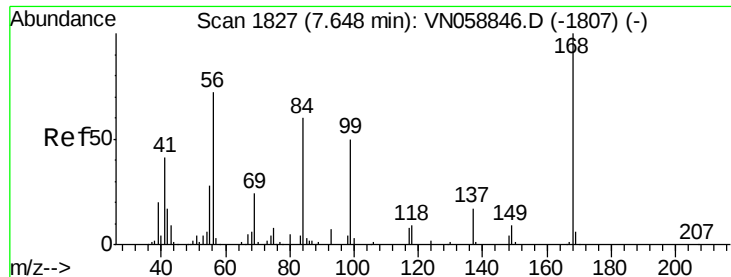
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

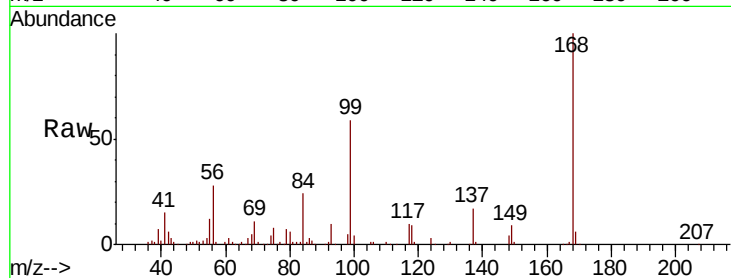
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 341291

Ion Ratio Lower Upper

168 100

99 59.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

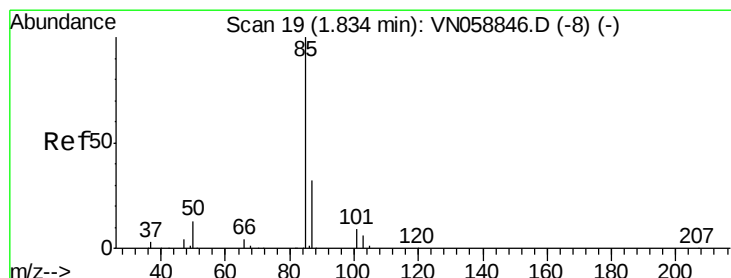
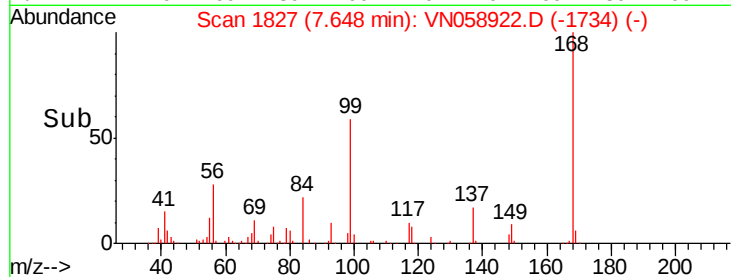
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.742 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058922.D

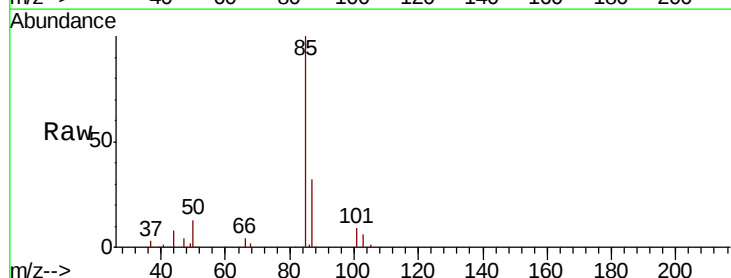
Acq: 23 Oct 2019 12:28

Tgt Ion: 85 Resp: 79752

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

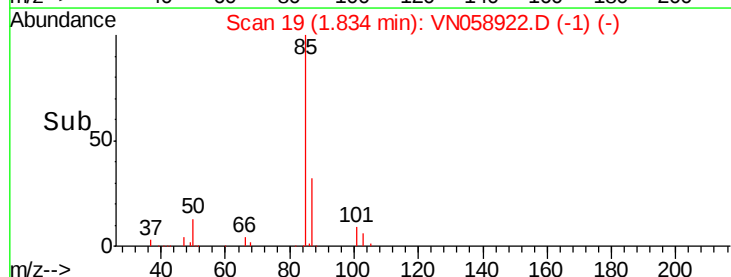
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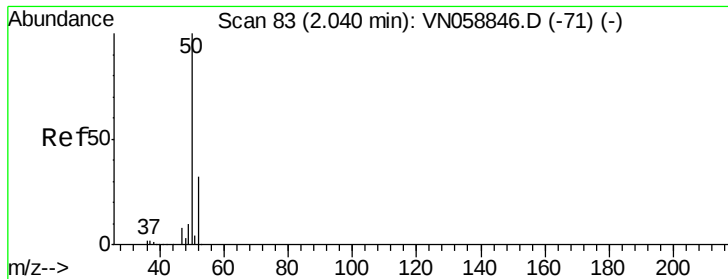
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.392 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

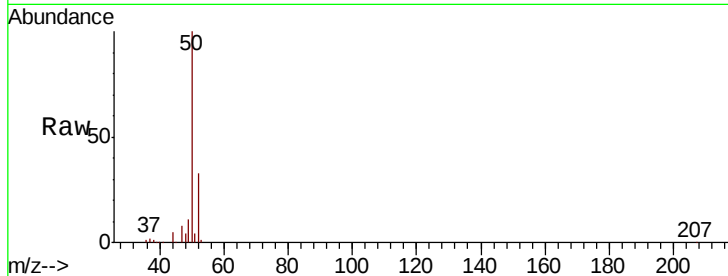
ClientSampleId :

Tot Ion: 50 Resp: 96929

Ion Ratio Lower Upper

50 100

52 32.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

60000

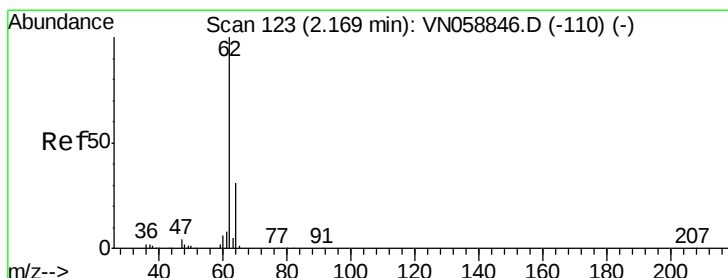
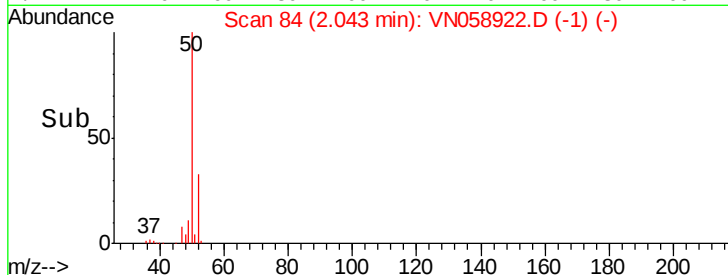
40000

20000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 19.044 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058922.D

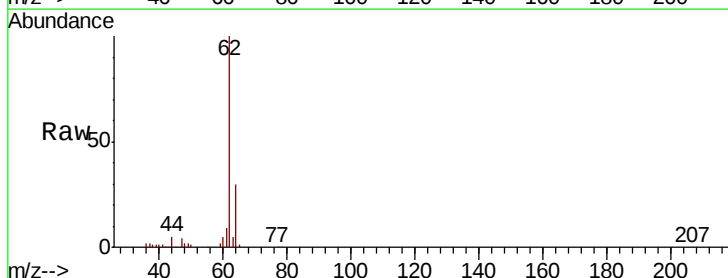
Acq: 23 Oct 2019 12:28

Tgt Ion: 62 Resp: 99655

Ion Ratio Lower Upper

62 100

64 30.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

60000

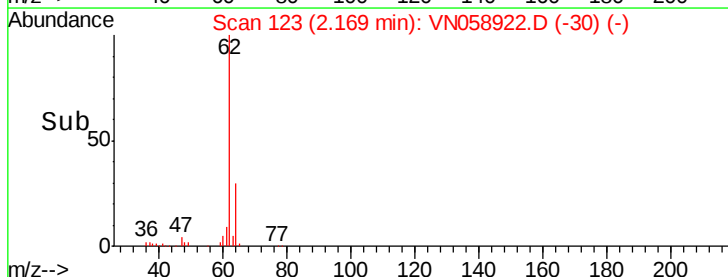
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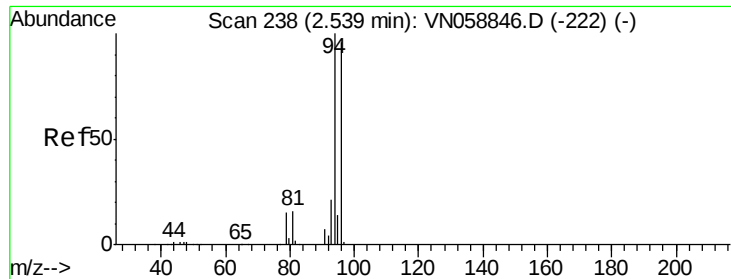
20000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 19.187 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

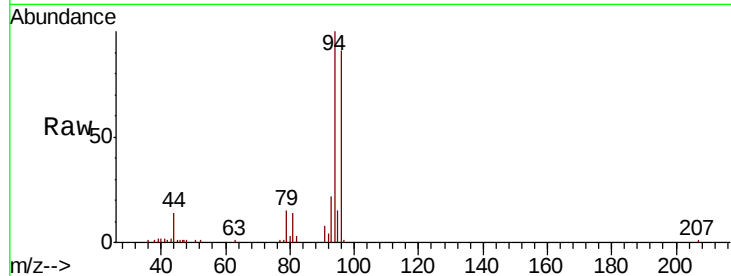
ClientSampled :

Tot Ion: 94 Resp: 62873

Ion Ratio Lower Upper

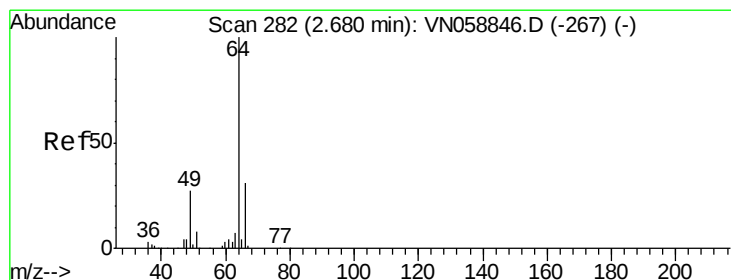
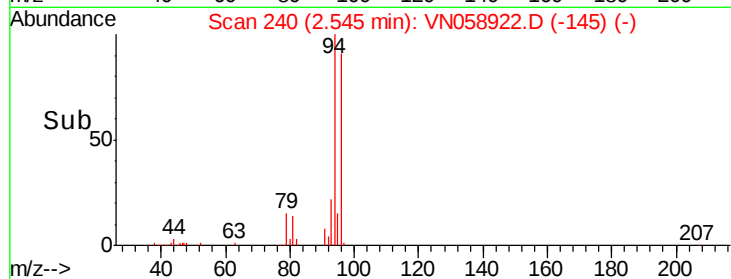
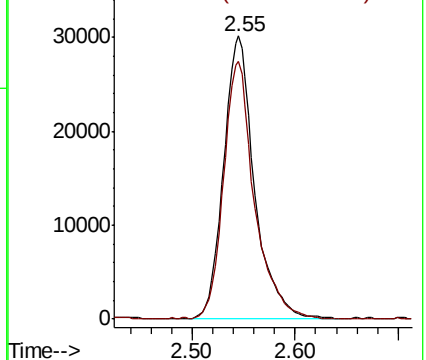
94 100

96 91.2 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.940 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058922.D

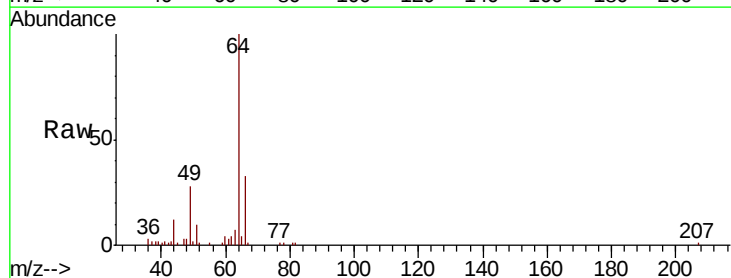
Acq: 23 Oct 2019 12:28

Tgt Ion: 64 Resp: 63557

Ion Ratio Lower Upper

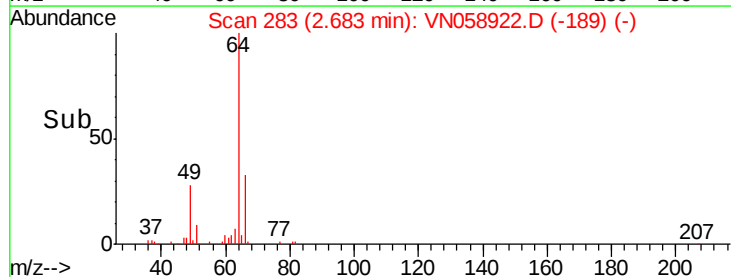
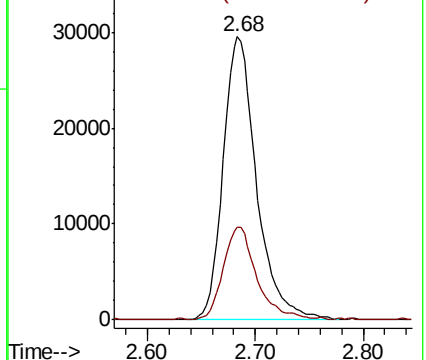
64 100

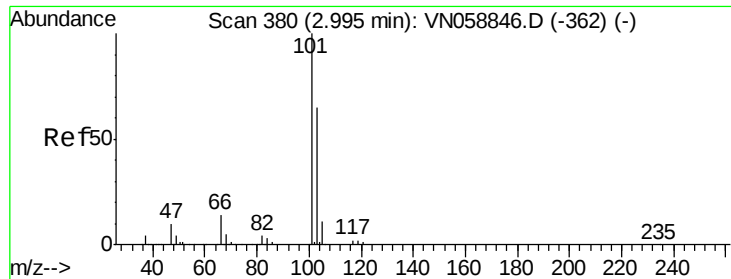
66 32.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



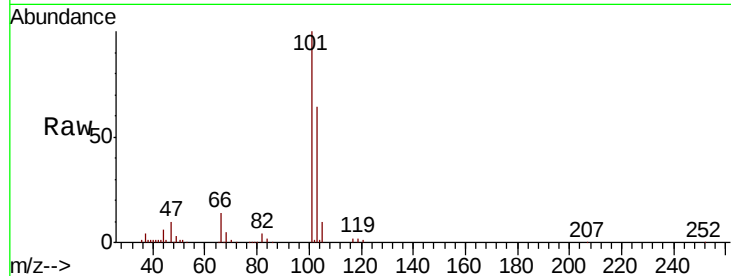


#7

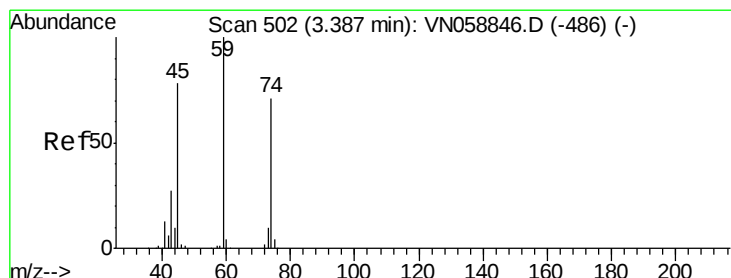
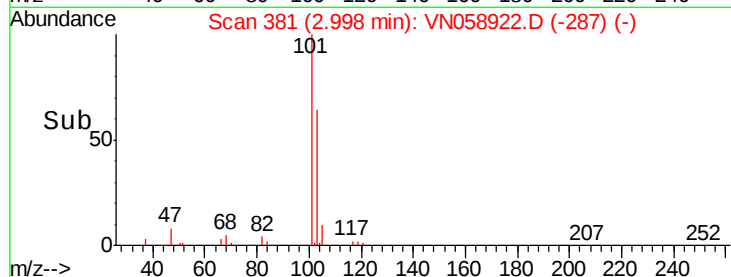
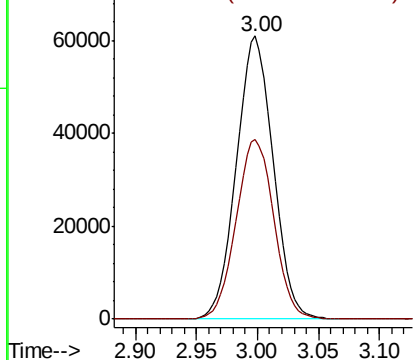
Trichlorofluoromethane
Concen: 19.615 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 126998
Ion Ratio Lower Upper
101 100
103 63.6 52.2 78.2



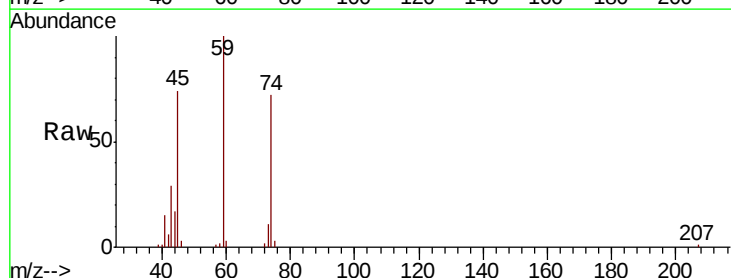
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



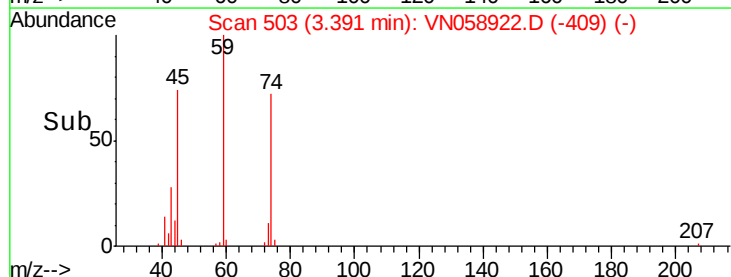
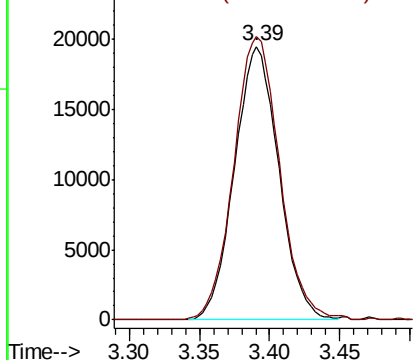
#8

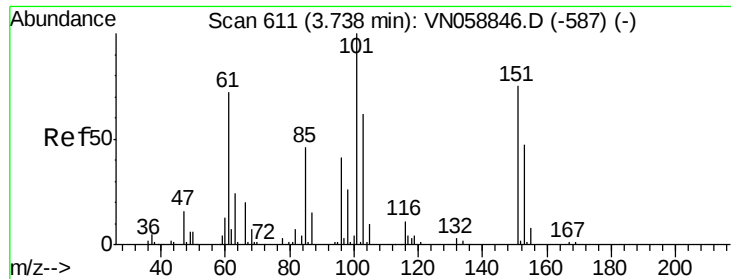
Diethyl Ether
Concen: 19.151 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 74 Resp: 42849
Ion Ratio Lower Upper
74 100
45 107.2 54.9 164.5



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: 19.122 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058922.D

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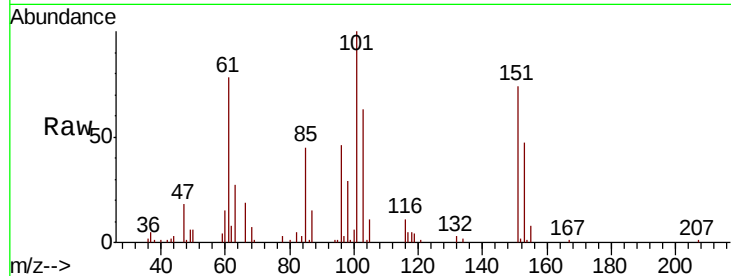
Tot Ion:101 Resp: 68636

Ion Ratio Lower Upper

101 100

85 45.4 37.2 55.8

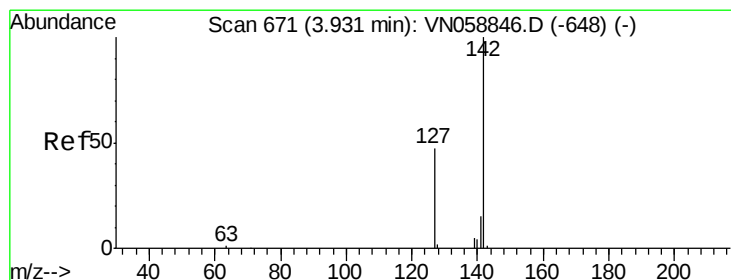
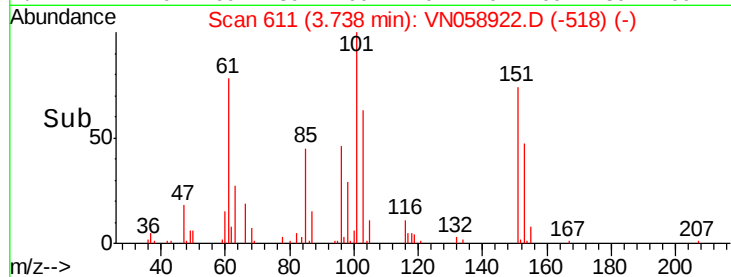
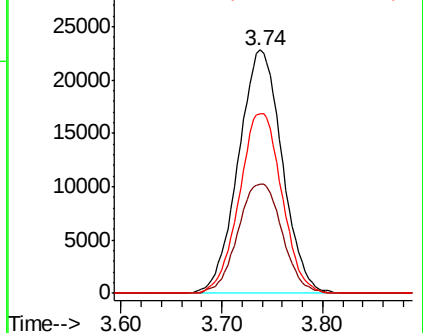
151 71.8 59.9 89.9



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: 18.780 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

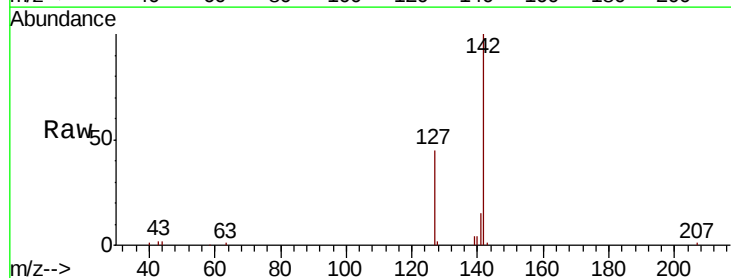
Tgt Ion:142 Resp: 88659

Ion Ratio Lower Upper

142 100

127 46.3 36.6 54.8

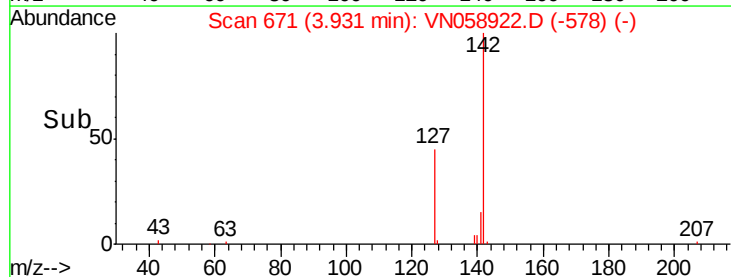
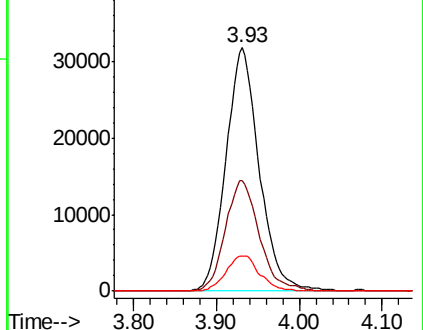
141 14.5 11.4 17.2

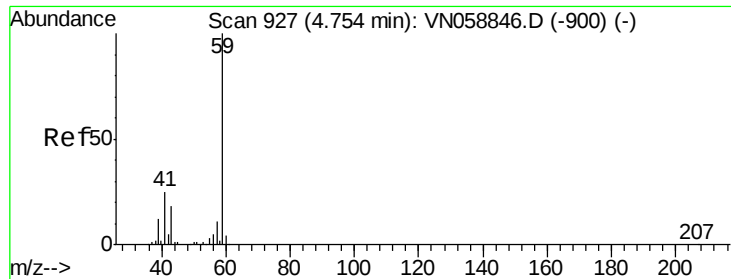


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



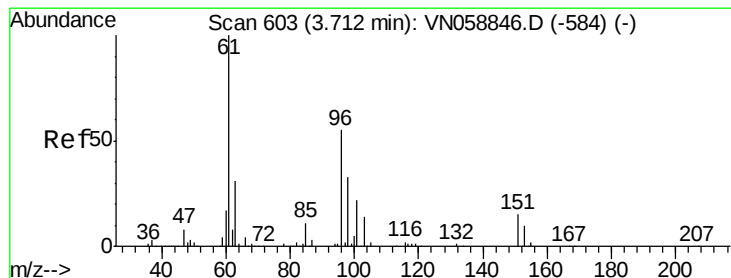
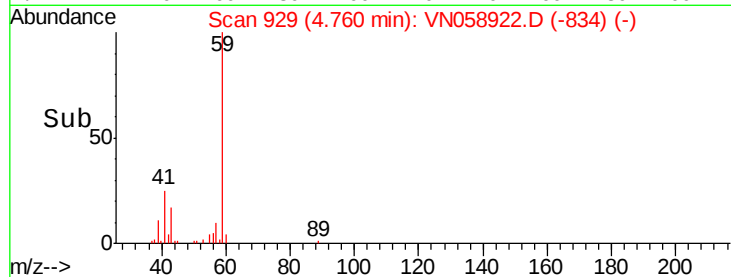
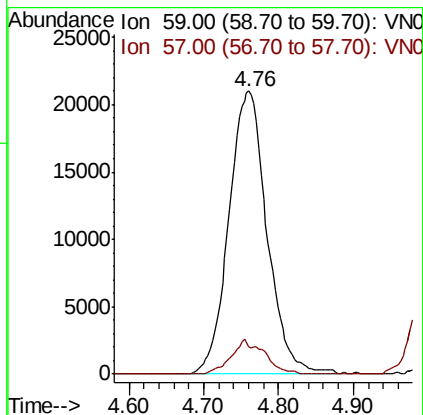
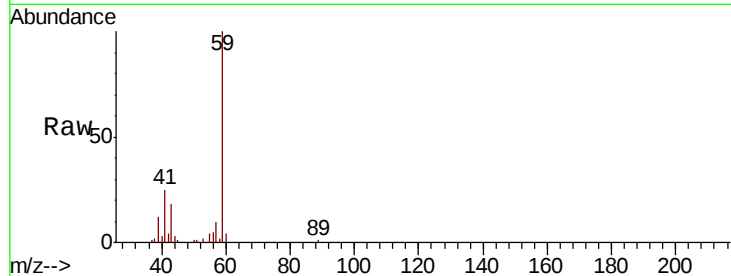


#11

Tert butyl alcohol
Concen: 89.492 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampled :

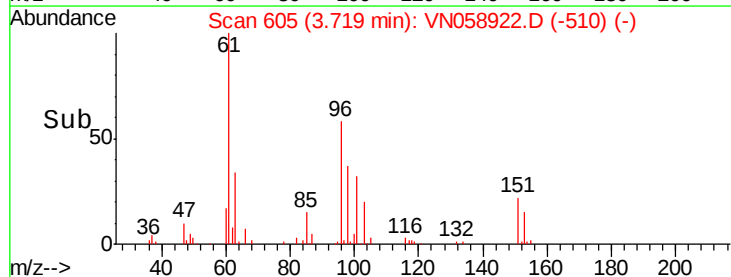
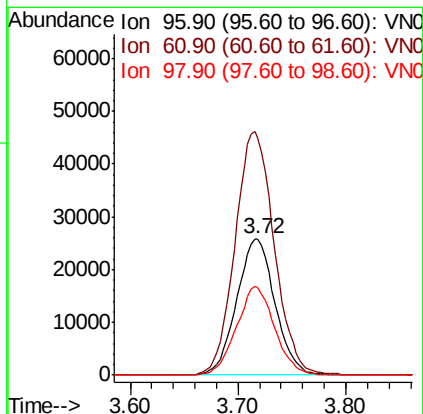
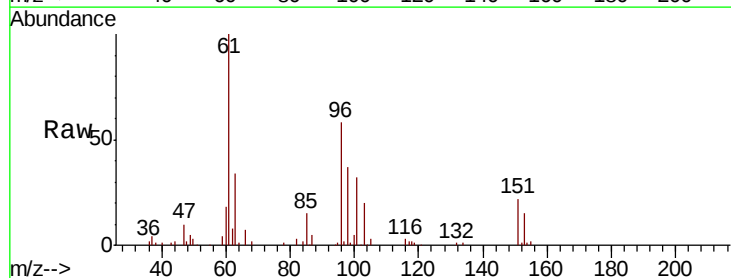
Tot Ion: 59 Resp: 74337
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

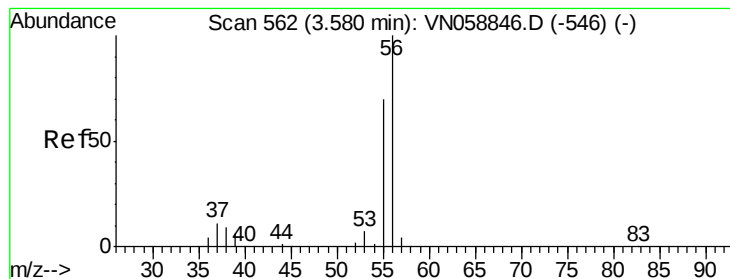


#12

1,1-Dichloroethene
Concen: 18.953 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 96 Resp: 63767
Ion Ratio Lower Upper
96 100
61 173.9 146.2 219.2
98 63.8 48.7 73.1





#13

Acrolein

Concen: 72.926 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

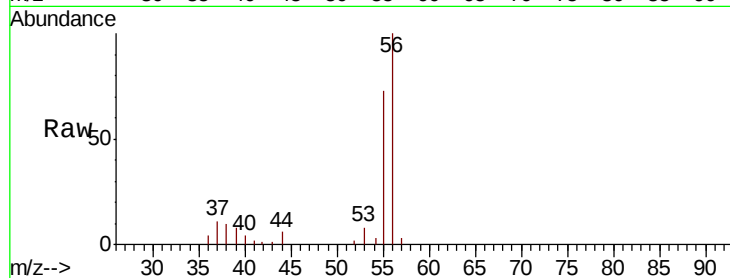
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 41622

Ion Ratio Lower Upper

56 100

55 72.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN058846.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN058846.D (-546) (-)

3.58

15000

10000

5000

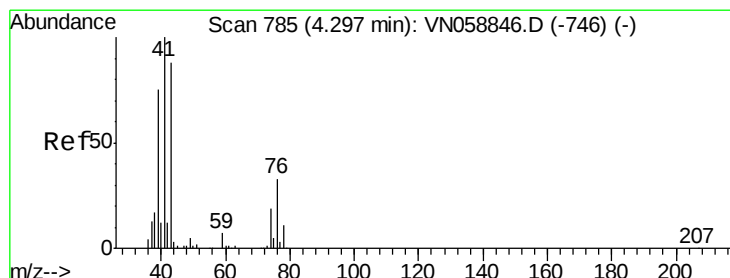
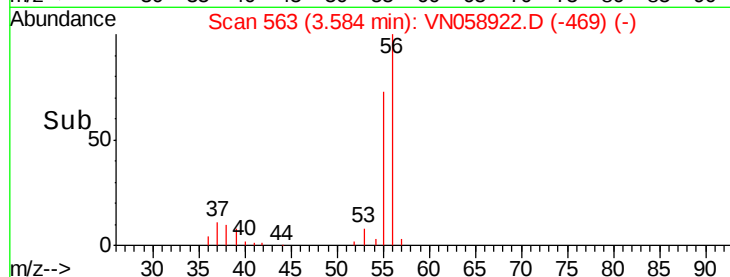
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.646 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

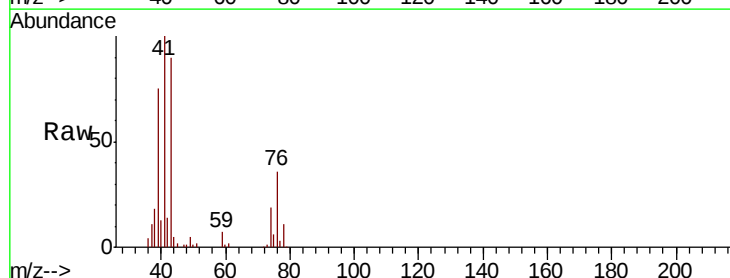
Tgt Ion: 41 Resp: 126942

Ion Ratio Lower Upper

41 100

39 71.5 55.9 83.9

76 32.1 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN058846.D (-746) (-)

4.30

50000

40000

30000

20000

10000

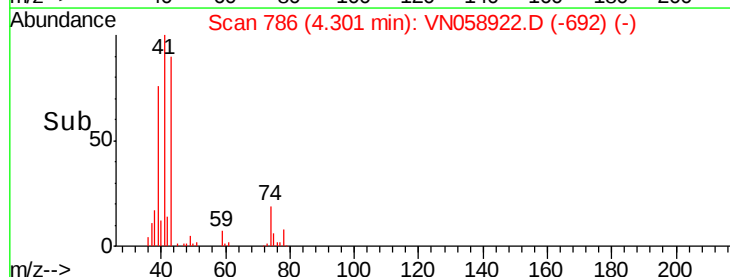
0

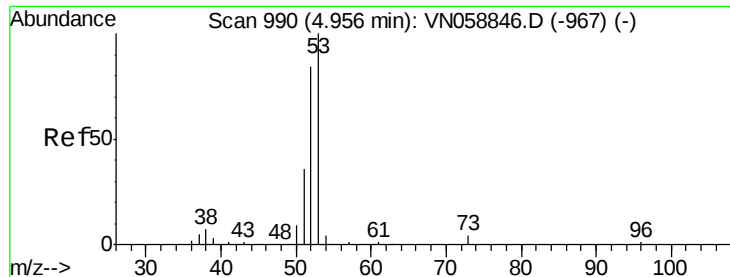
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 96.624 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

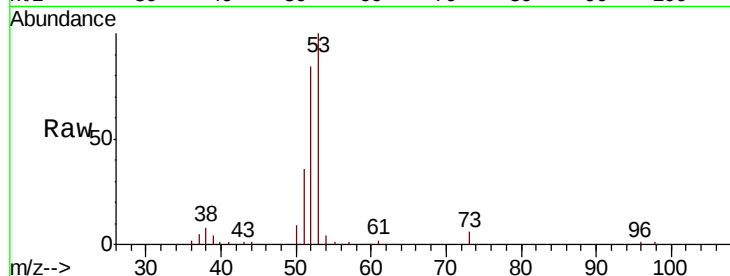
Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 201888

Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.6	99.8
51	36.7	29.2	43.8

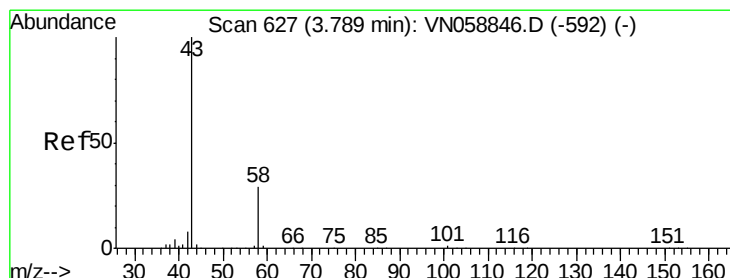
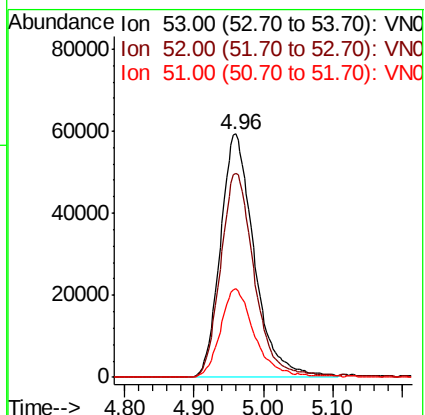
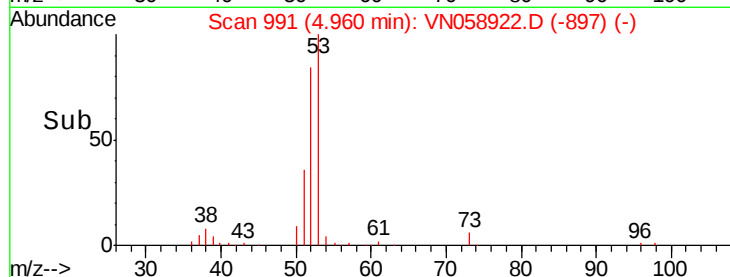


Abundance

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: 88.217 ug/l

RT: 3.79 min Scan# 628

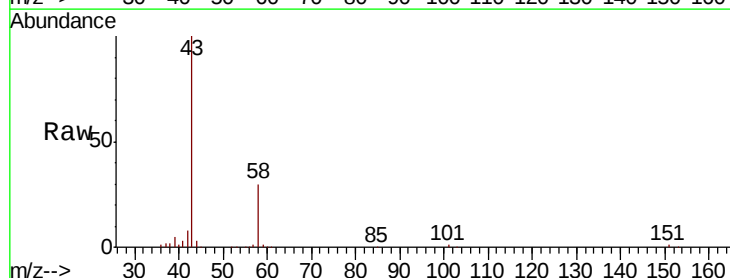
Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Tgt Ion: 43 Resp: 218201

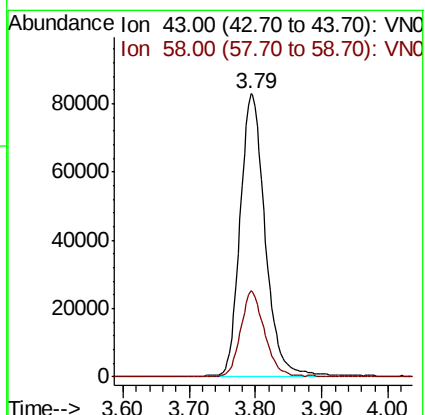
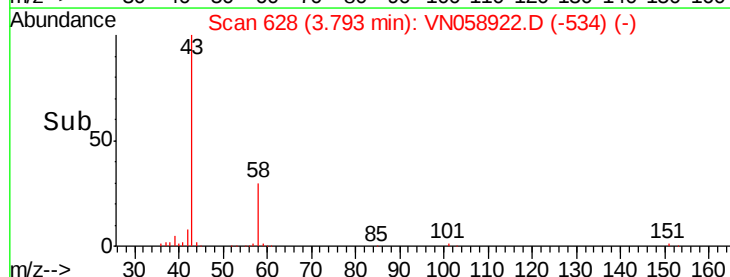
Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.1	34.7

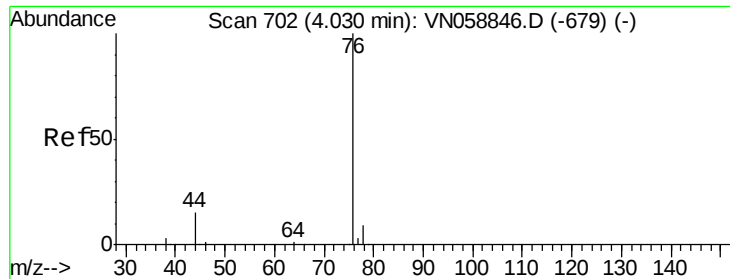


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

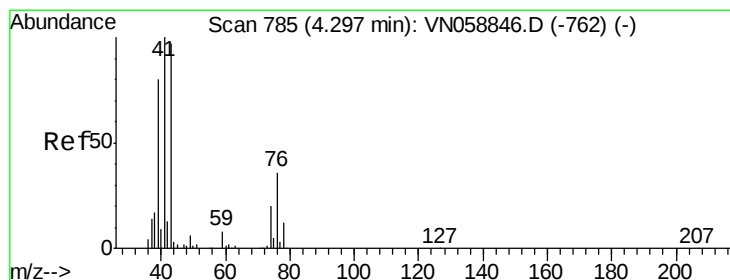
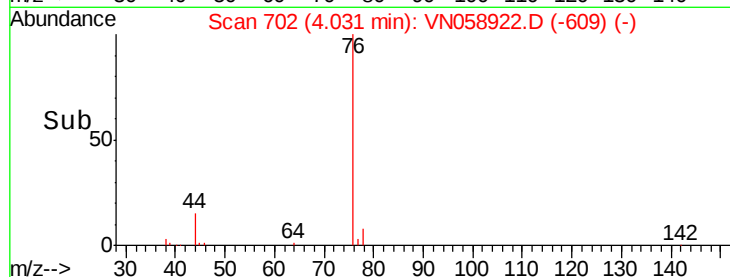
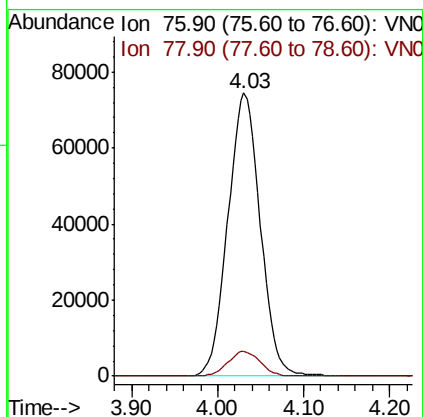
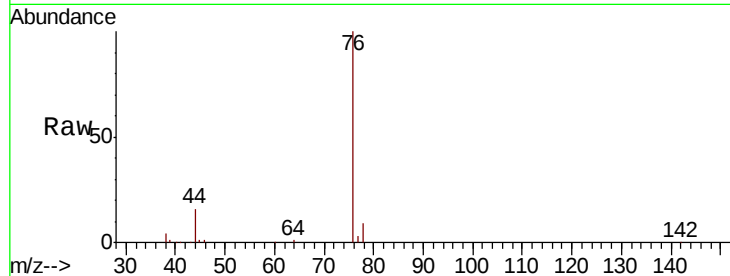




#17
Carbon Disulfide
Concen: 17.963 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

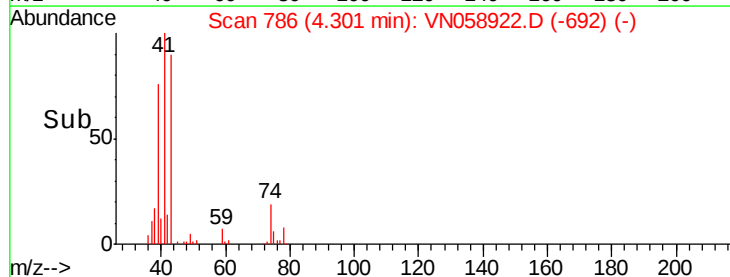
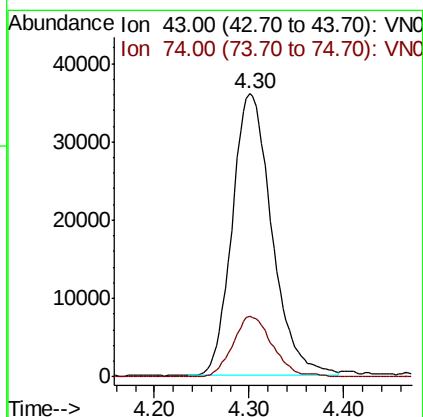
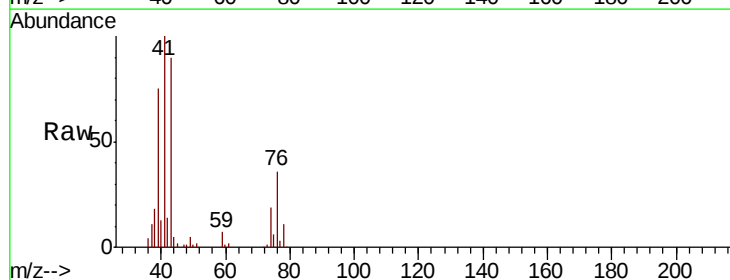
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 194680
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 18.697 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 43 Resp: 105142
Ion Ratio Lower Upper
43 100
74 21.1 17.1 25.7

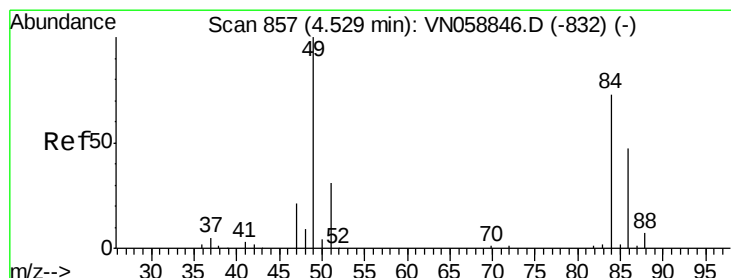
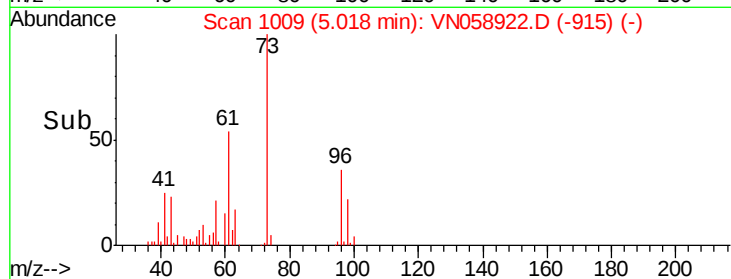
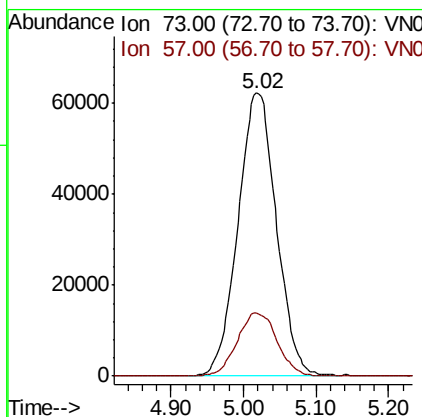
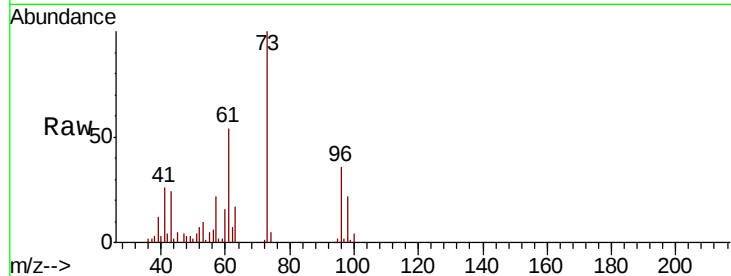




#19
Methvl tert-butvl Ether
Concen: 19.491 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

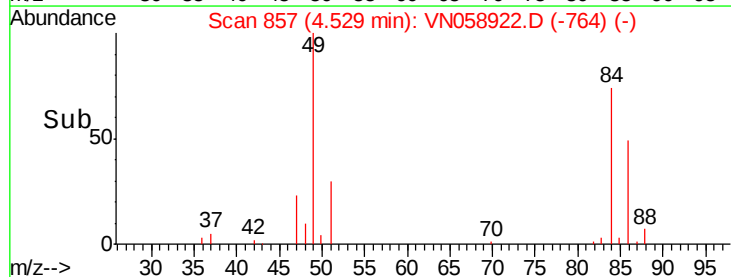
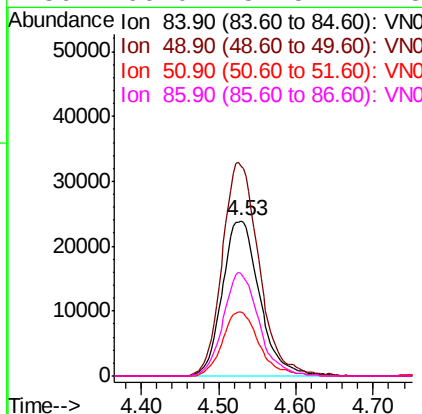
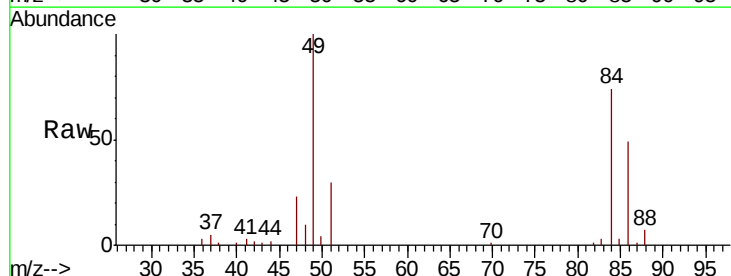
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 229618
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9



#20
Methylene Chloride
Concen: 18.900 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 84 Resp: 79822
Ion Ratio Lower Upper
84 100
49 135.7 109.6 164.4
51 41.4 33.8 50.6
86 66.0 51.5 77.3

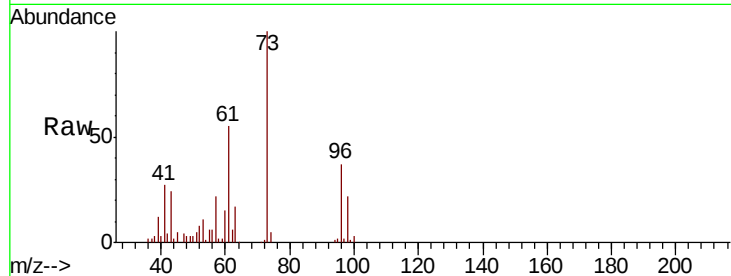




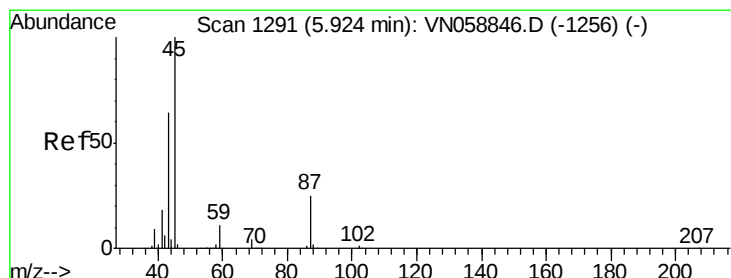
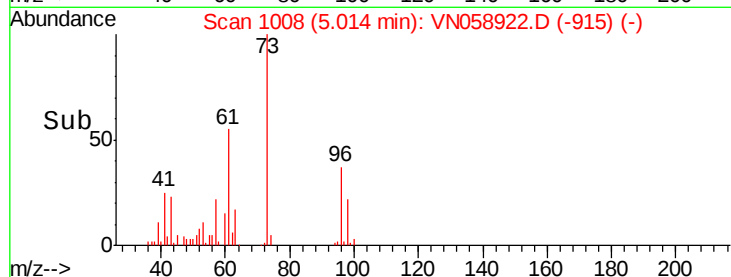
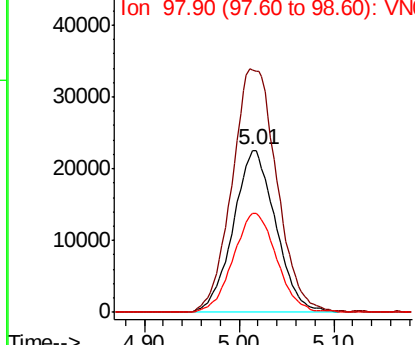
#21
trans-1,2-Dichloroethene
Concen: 18.926 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 70323
Ion Ratio Lower Upper
96 100
61 149.6 126.7 190.1
98 61.1 52.0 78.0

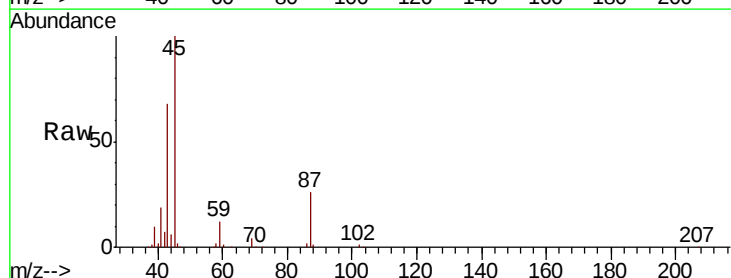


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

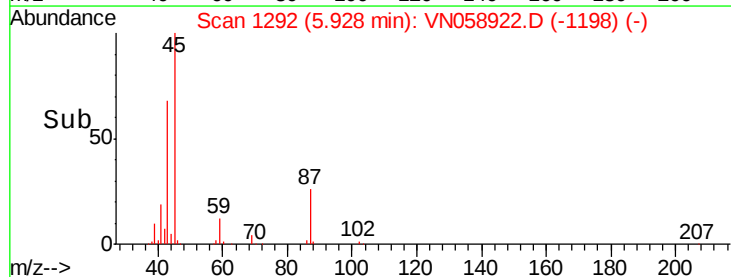
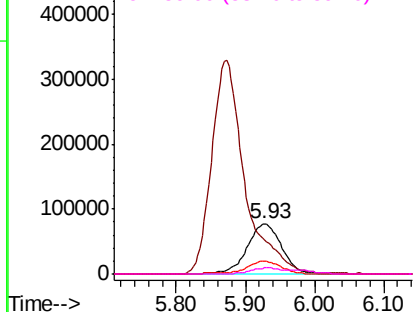


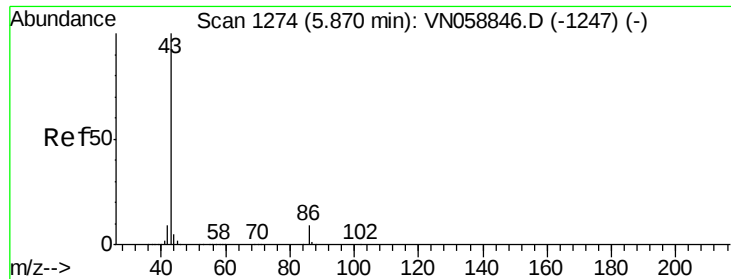
#22
Diisopropyl ether
Concen: 19.917 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 45 Resp: 265223
Ion Ratio Lower Upper
45 100
43 66.1 52.9 79.3
87 25.6 20.2 30.4
59 11.5 8.8 13.2



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

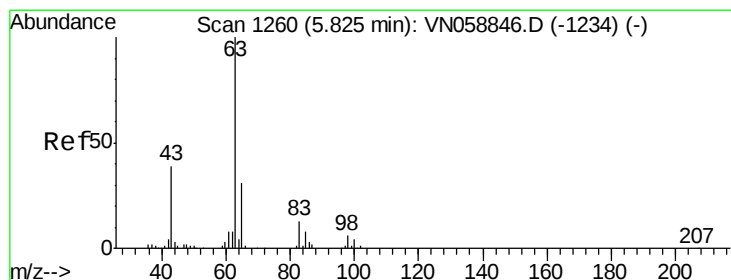
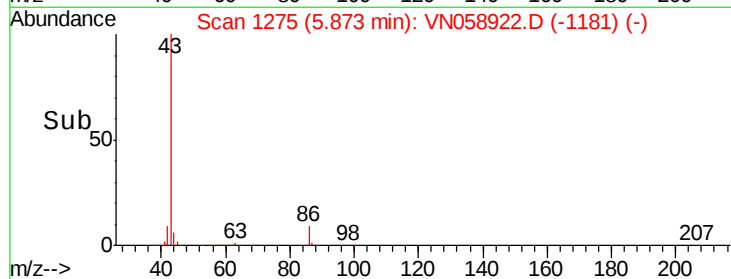
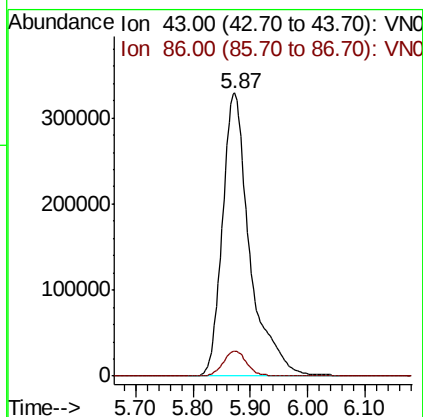
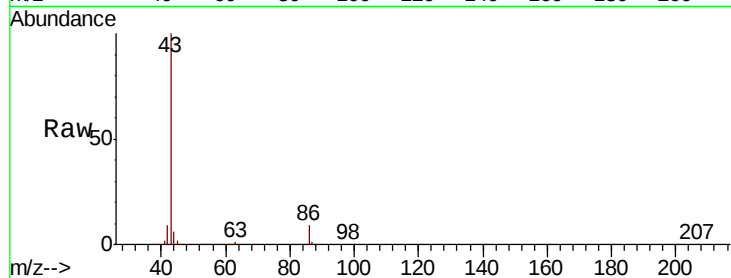




#23
 Vinyl Acetate
 Concen: 102.114 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

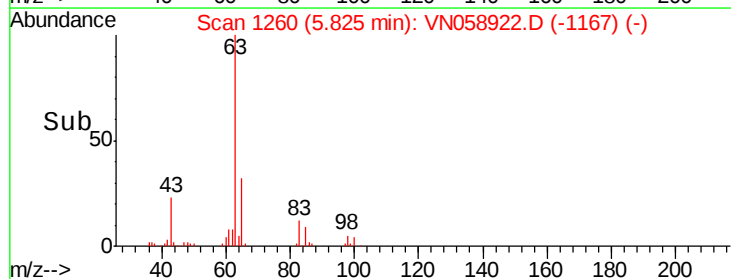
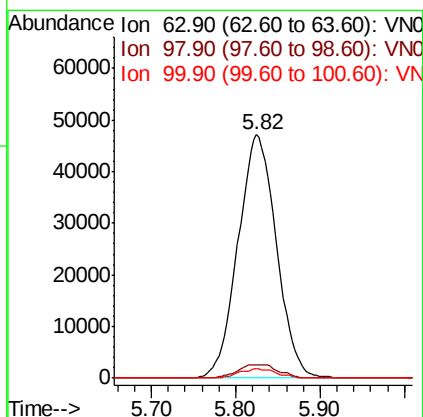
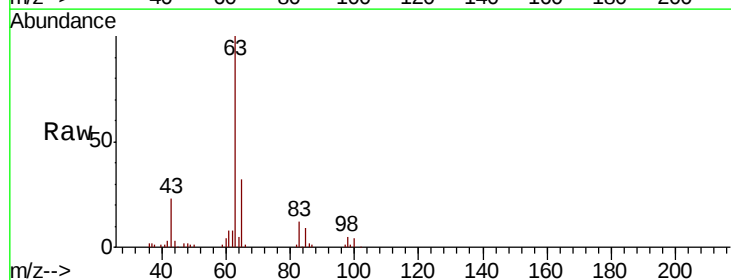
Instrument :
 MSVOA_N
 ClientSampleId :

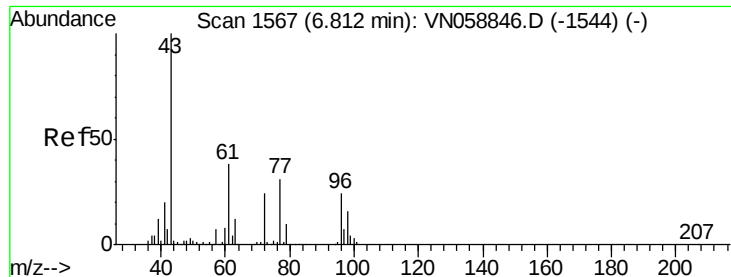
Tot Ion: 43 Resp: 1092505
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 19.321 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion: 63 Resp: 149189
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.4
 100 3.9 1.9 5.7

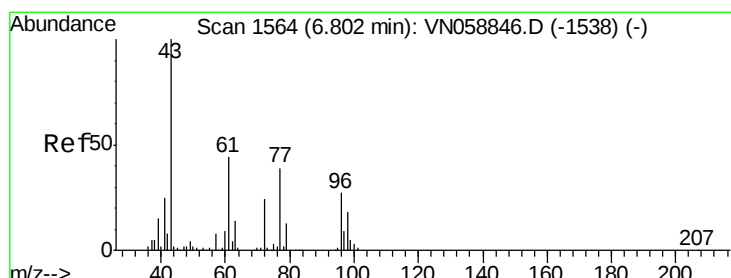
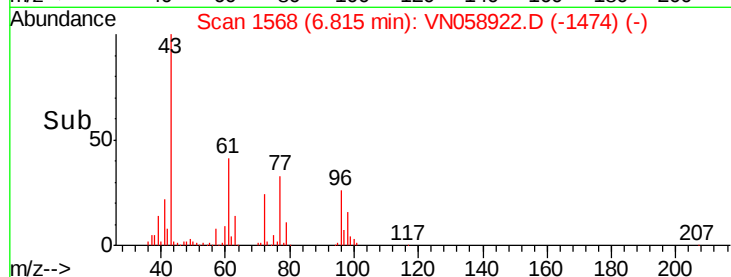
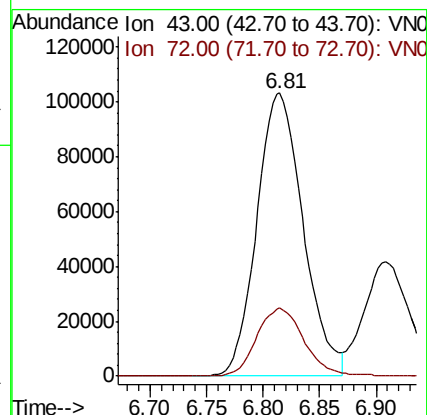
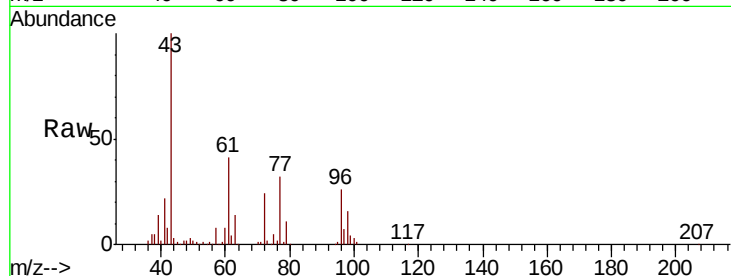




#25
2-Butanone
Concen: 91.018 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

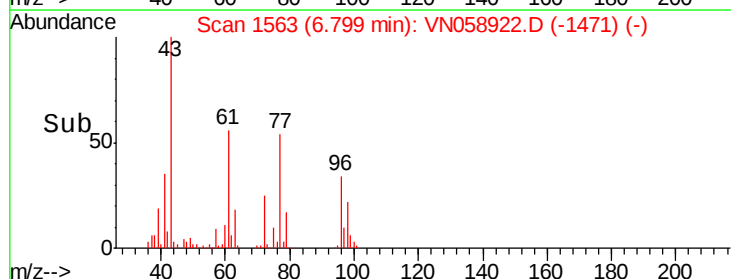
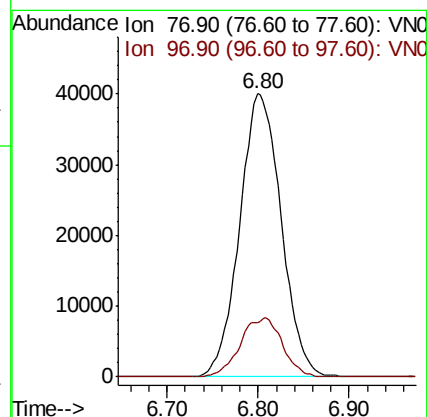
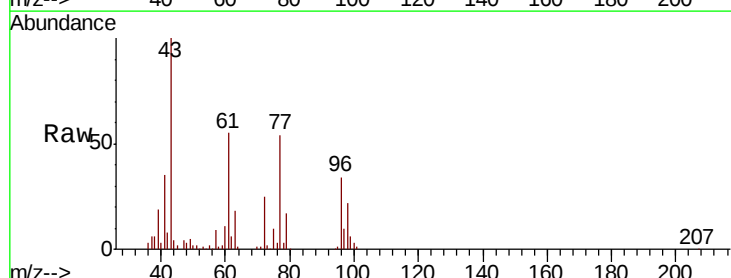
Instrument :
MSVOA_N
ClientSampled :

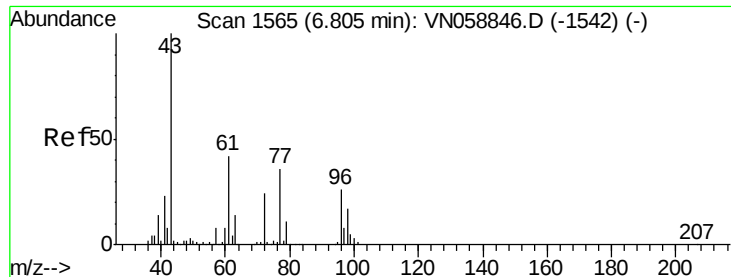
Tot Ion: 43 Resp: 292242
Ion Ratio Lower Upper
43 100
72 24.0 19.1 28.7



#26
2,2-Dichloropropane
Concen: 18.970 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 77 Resp: 126699
Ion Ratio Lower Upper
77 100
97 21.1 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 19.015 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :

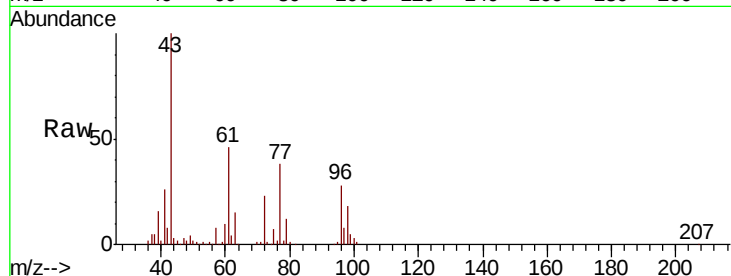
Tot Ion: 96 Resp: 80709

Ion Ratio Lower Upper

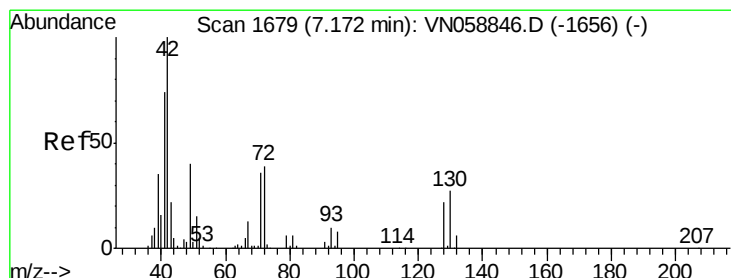
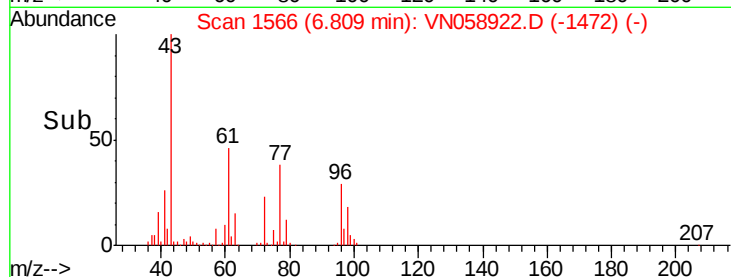
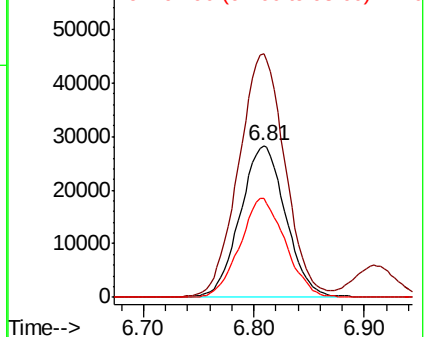
96 100

61 164.4 0.0 325.0

98 64.9 0.0 128.0



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



#28

Bromochloromethane

Concen: 18.703 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

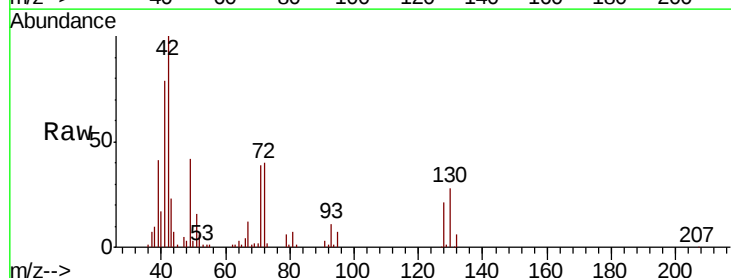
Tgt Ion: 49 Resp: 48097

Ion Ratio Lower Upper

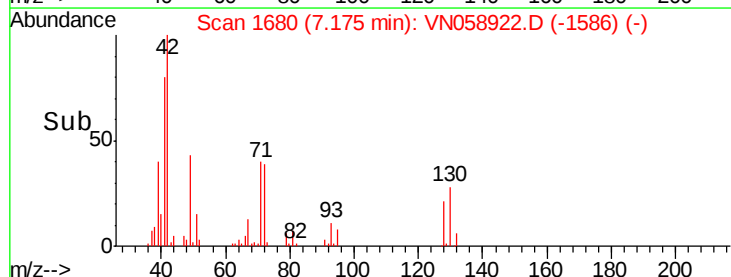
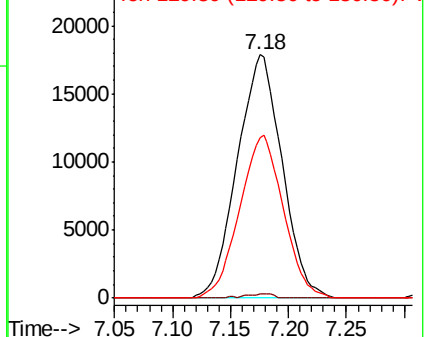
49 100

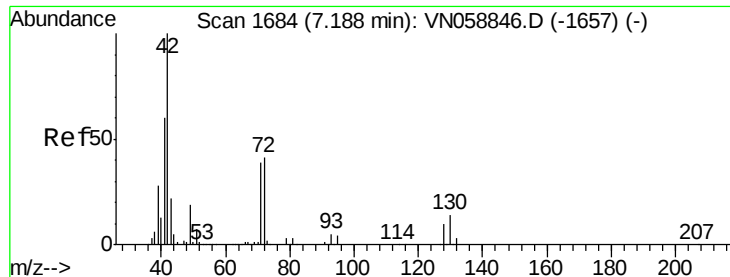
129 1.0 0.0 3.2

130 65.3 53.5 80.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 95.056 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

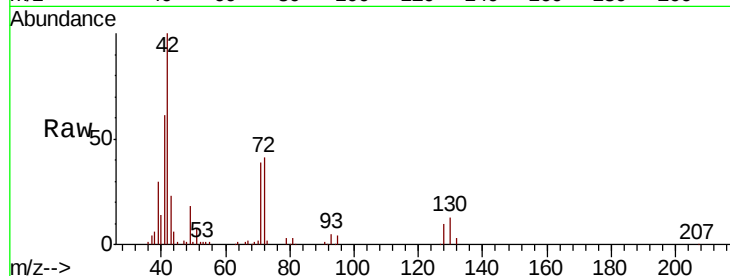
Tot Ion: 42 Resp: 186706

Ion Ratio Lower Upper

42 100

72 39.9 32.2 48.2

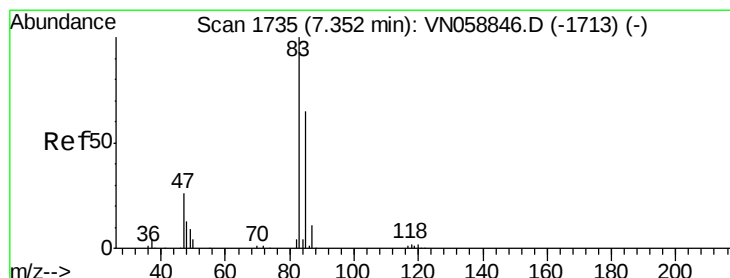
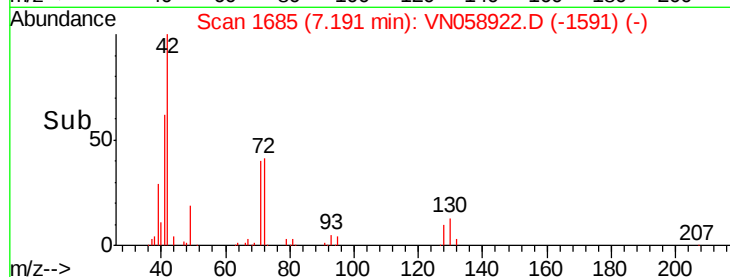
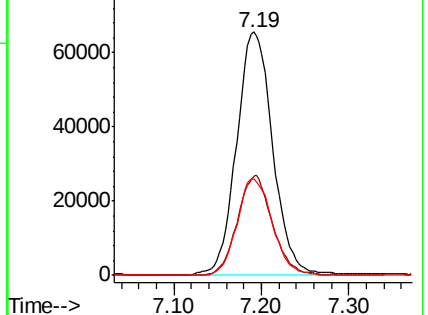
71 39.0 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN058846.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN058846.D (-1657) (-)



#30

Chloroform

Concen: 19.161 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058922.D

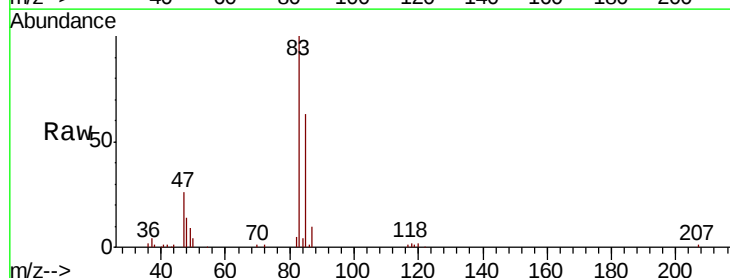
Acq: 23 Oct 2019 12:28

Tgt Ion: 83 Resp: 148414

Ion Ratio Lower Upper

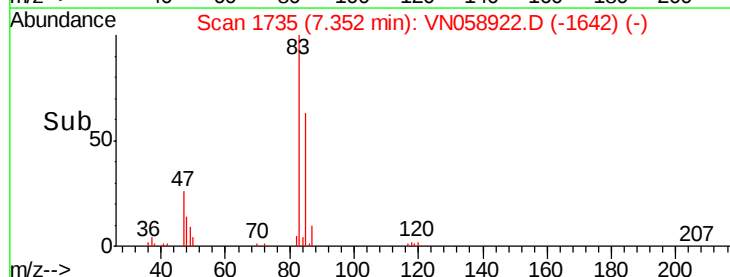
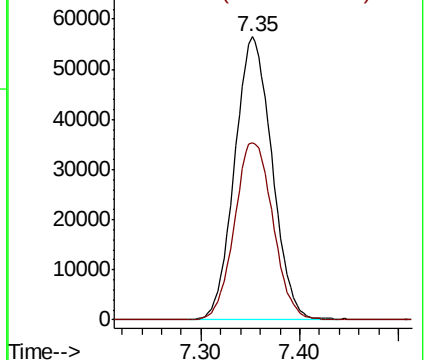
83 100

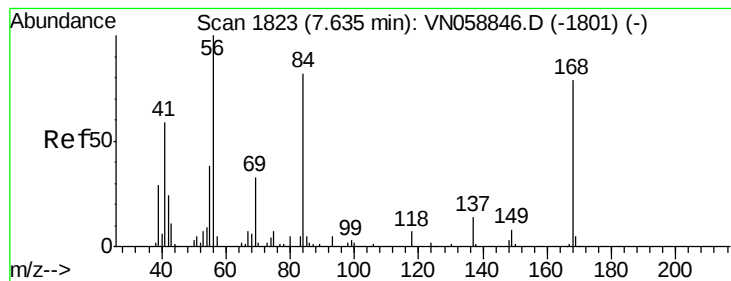
85 62.6 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-1713) (-)





#31

Cyclohexane

Concen: 17.959 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :

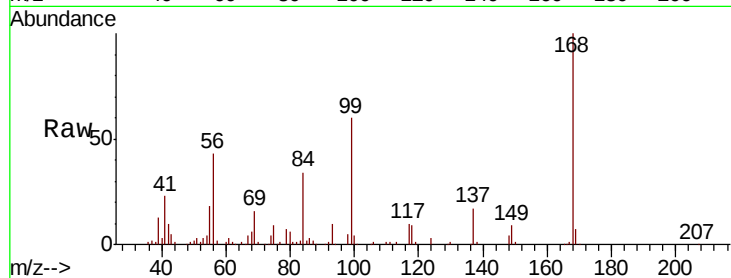
Tot Ion: 56 Resp: 129184

Ion Ratio Lower Upper

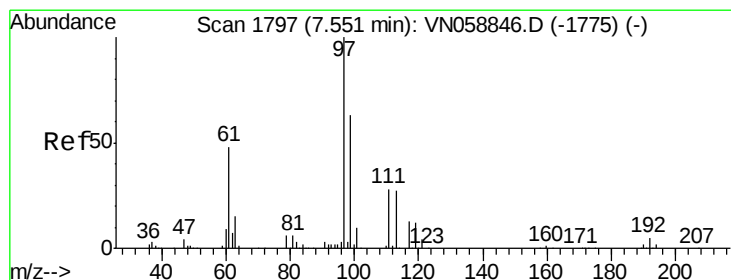
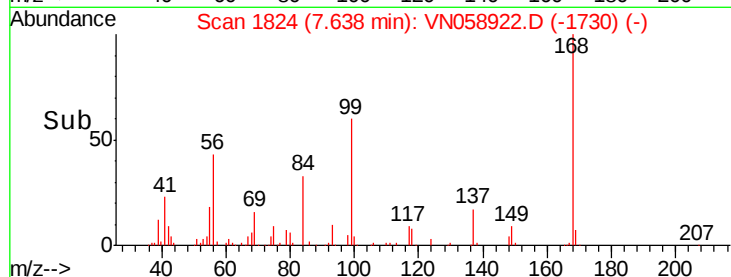
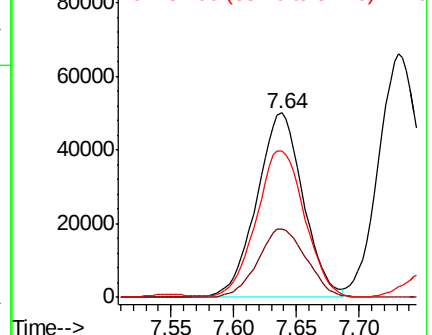
56 100

69 37.2 26.2 39.4

84 77.9 65.6 98.4



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: 19.359 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

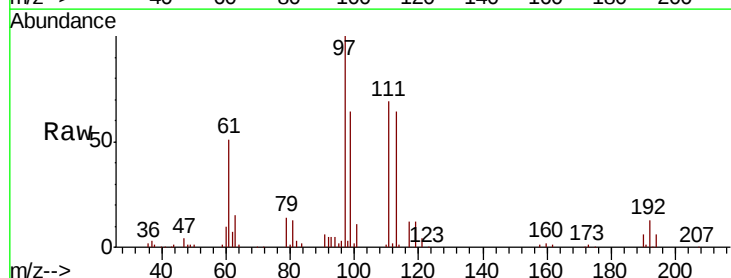
Tgt Ion: 97 Resp: 126387

Ion Ratio Lower Upper

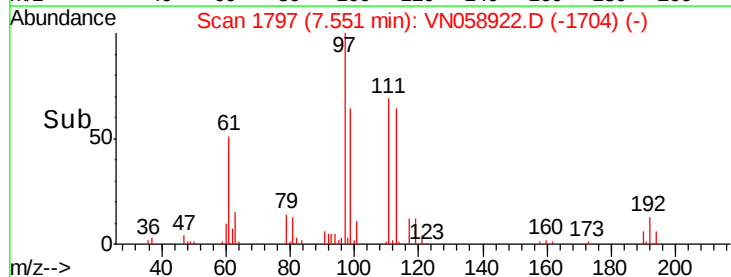
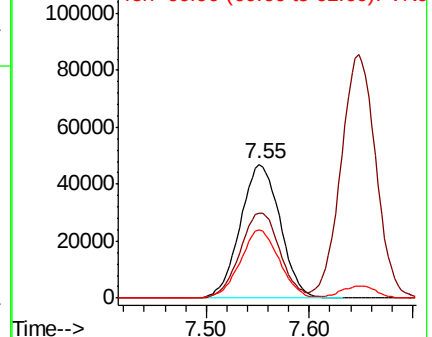
97 100

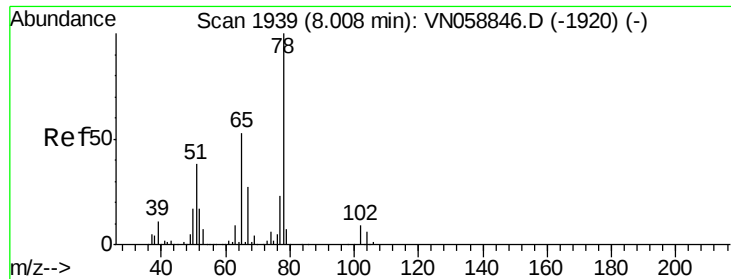
99 63.7 51.0 76.4

61 50.1 38.6 58.0



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: 50.264 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

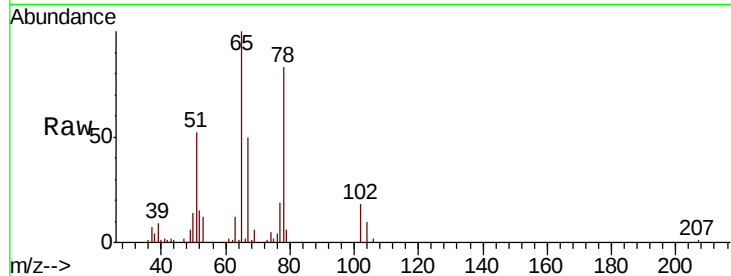
ClientSampleId :

Tot Ion: 65 Resp: 251599

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VN058846.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN058846.D (-1920) (-)

8.01

120000

100000

80000

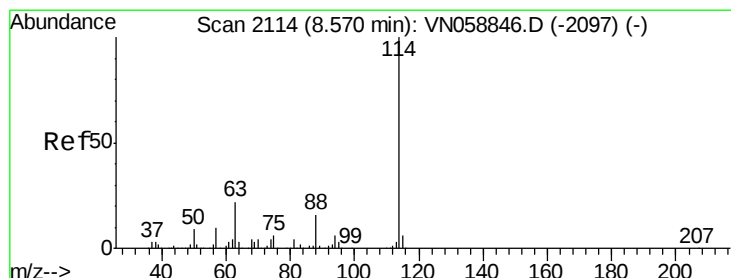
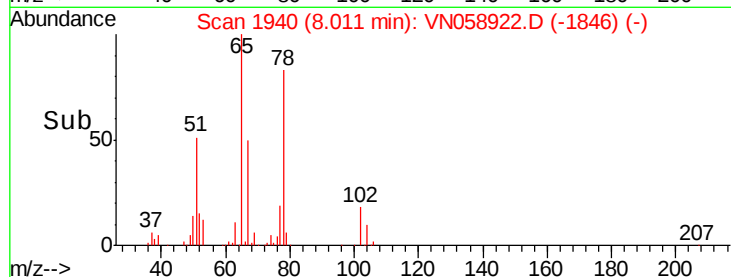
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

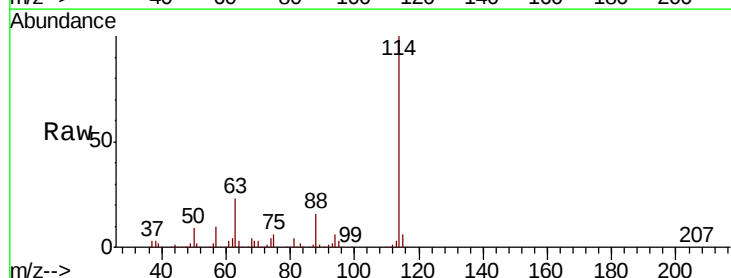
Tgt Ion: 114 Resp: 549891

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.4

88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN058846.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058846.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058846.D (-2097) (-)

8.57

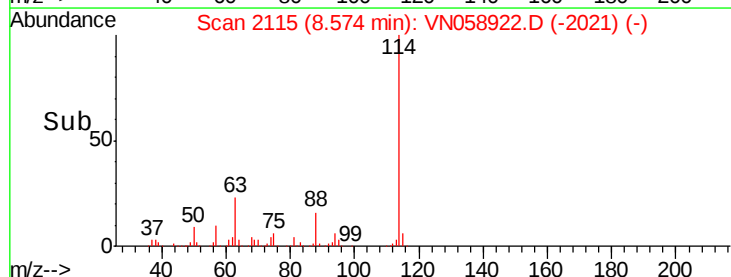
300000

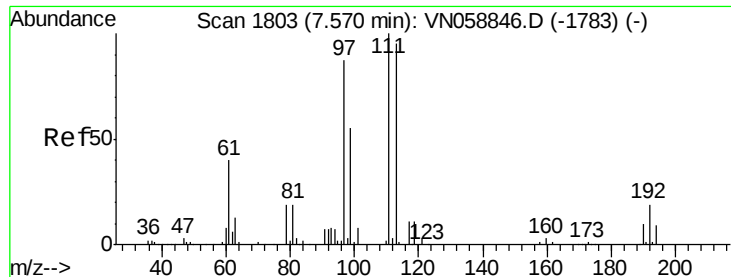
200000

100000

0

Time-->

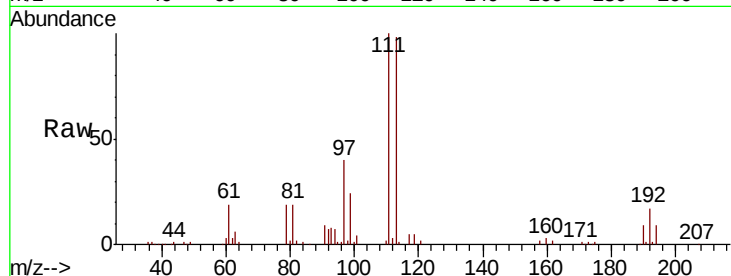




#35
 Dibromofluoromethane
 Concen: 49.325 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.0	123.0
192	18.7	15.0	22.6

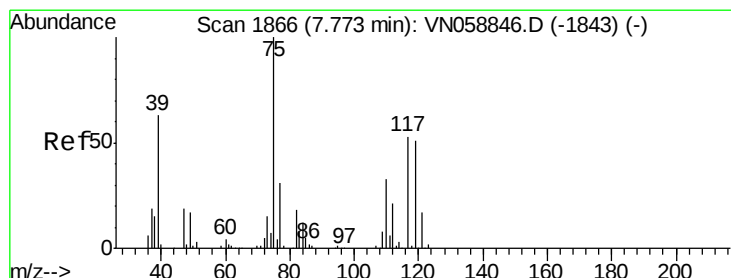
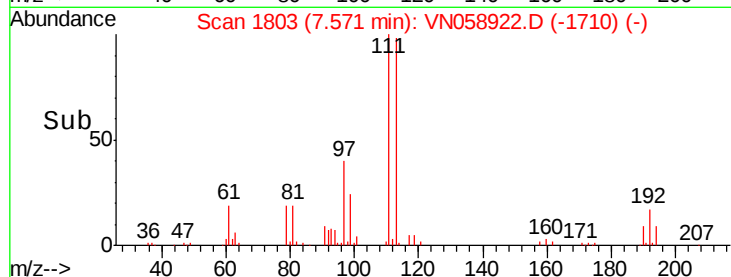
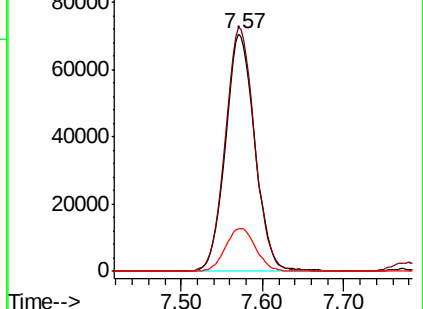


Abundance

Ion 112.80 (112.50 to 113.50): V

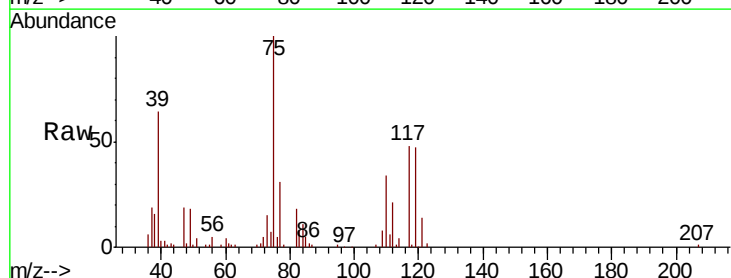
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.827 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.3	48.9
77	31.5	24.6	36.8

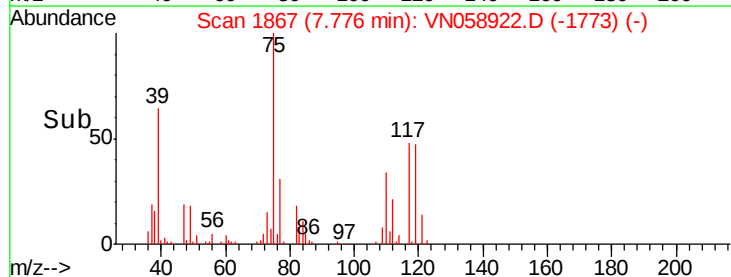
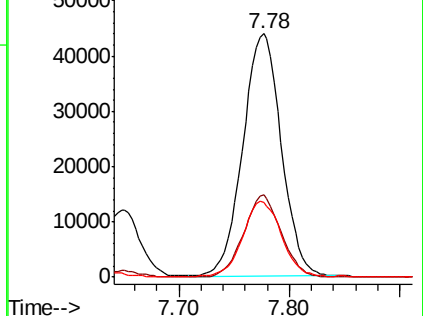


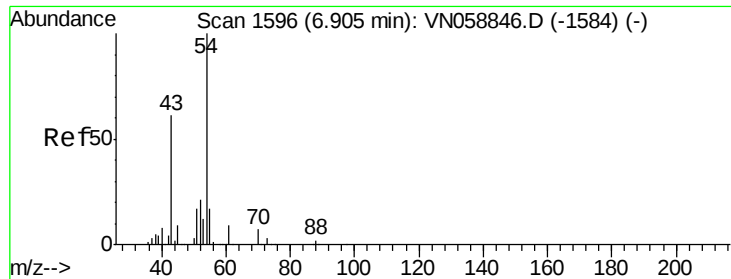
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

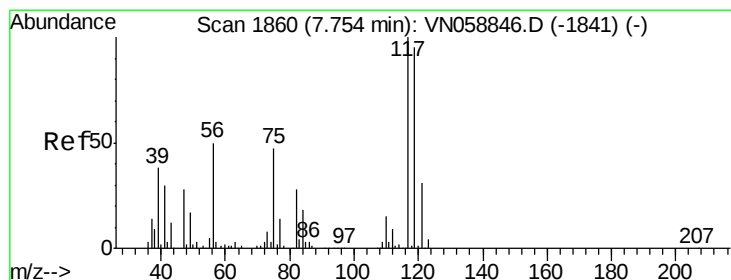
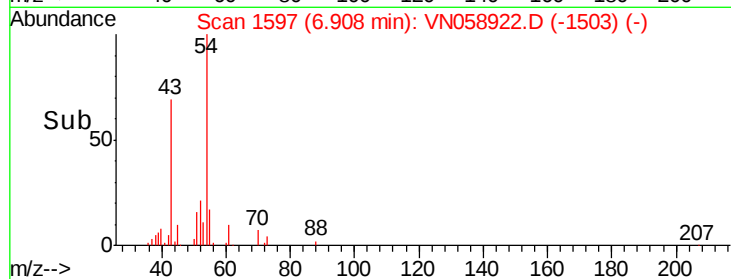
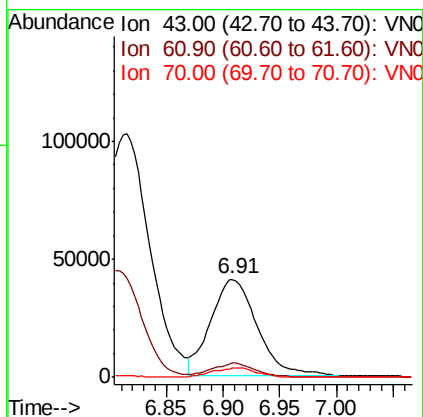
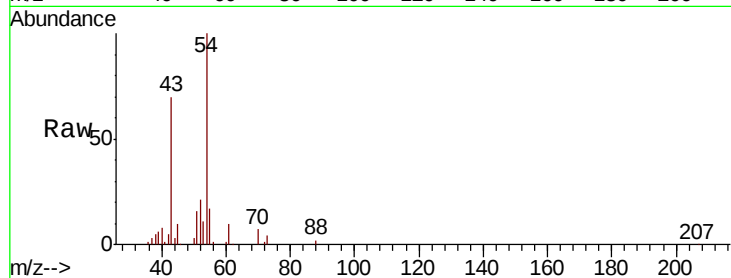




#37
Ethyl Acetate
Concen: 19.048 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

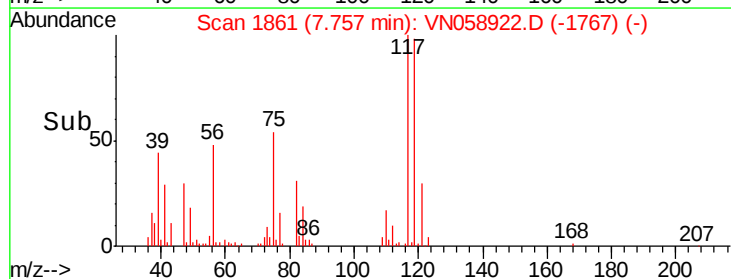
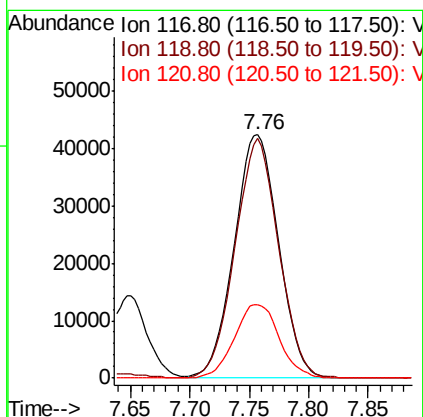
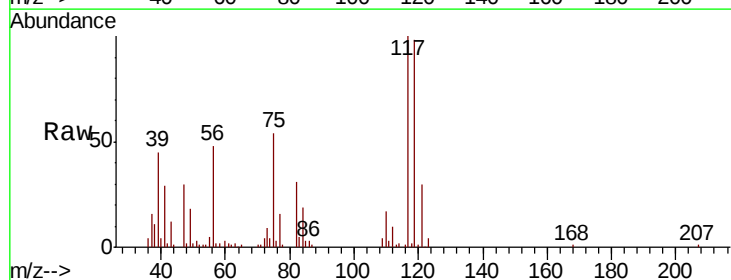
Instrument :
MSVOA_N
ClientSampled :

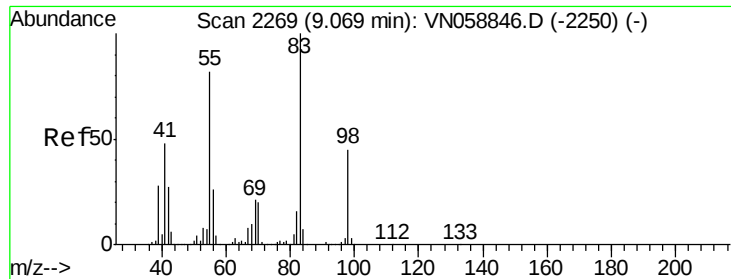
Tot Ion: 43 Resp: 116844
Ion Ratio Lower Upper
43 100
61 14.4 10.5 15.7
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.922 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 117 Resp: 109744
Ion Ratio Lower Upper
117 100
119 98.2 75.7 113.5
121 30.2 25.0 37.6

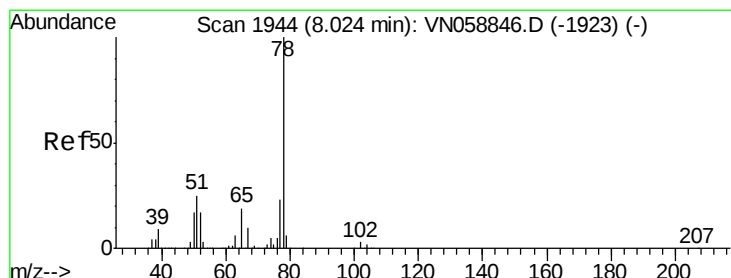
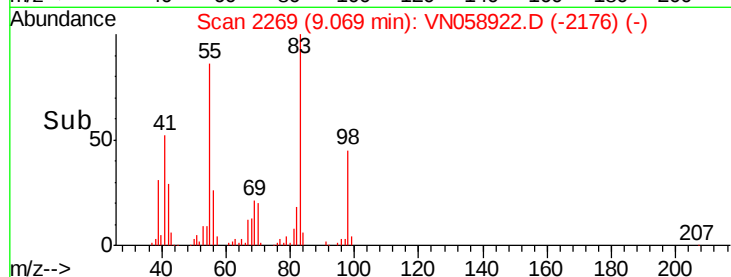
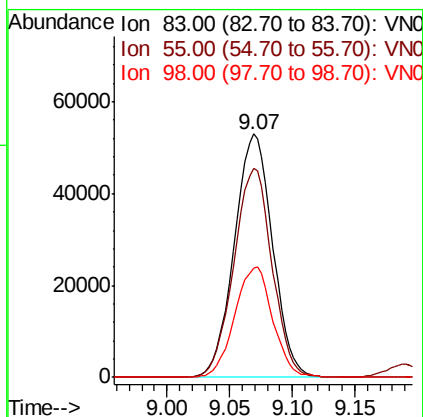
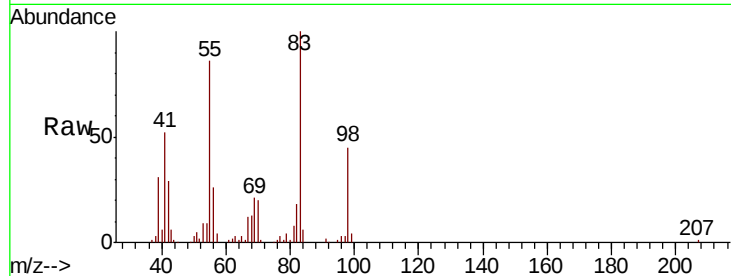




#39
Methvlcvclohexane
Concen: 17.774 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

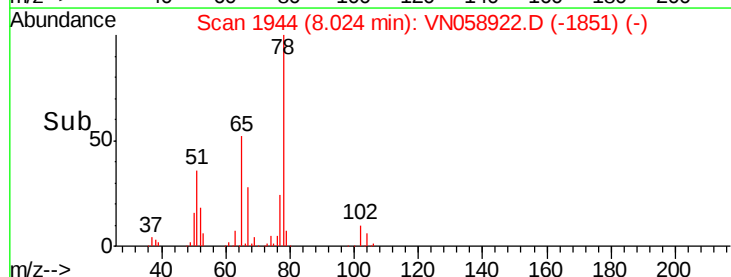
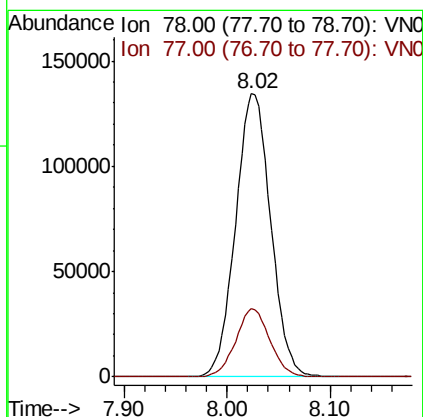
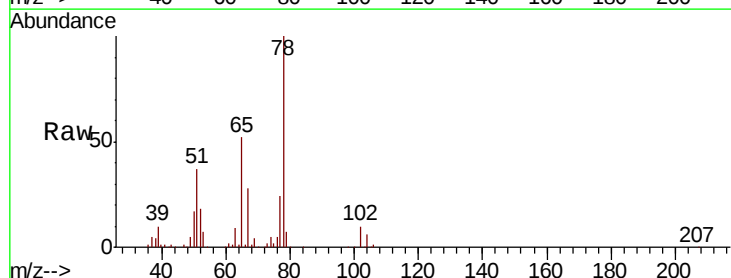
Instrument :
MSVOA_N
ClientSampleId :

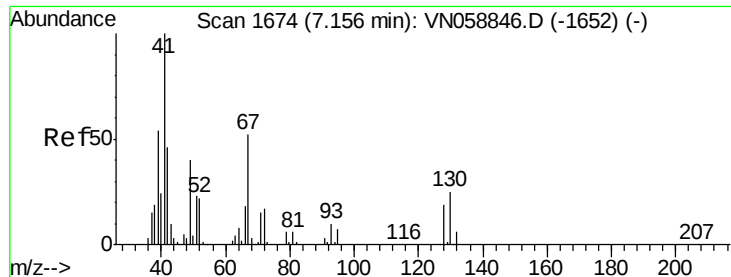
Tot Ion: 83 Resp: 112356
Ion Ratio Lower Upper
83 100
55 85.8 65.5 98.3
98 44.6 35.7 53.5



#40
Benzene
Concen: 19.284 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 78 Resp: 318794
Ion Ratio Lower Upper
78 100
77 24.2 18.2 27.2

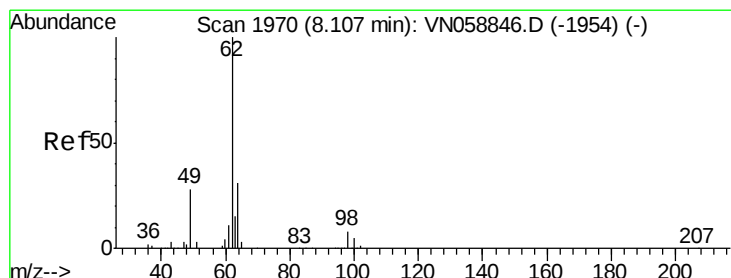
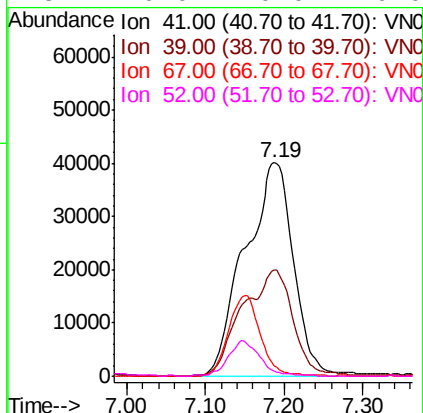
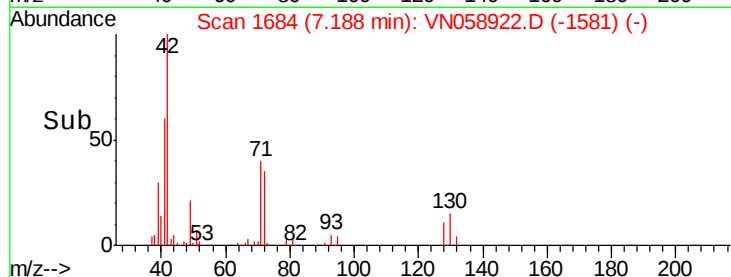
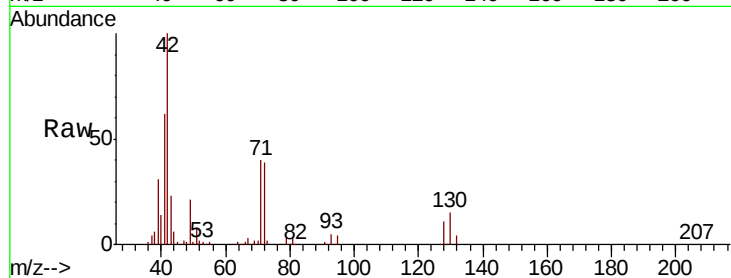




#41
Methacrylonitrile
Concen: 63.125 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

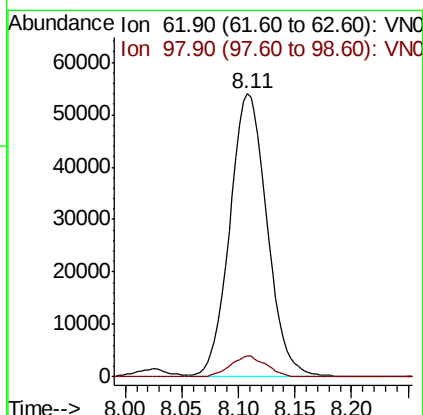
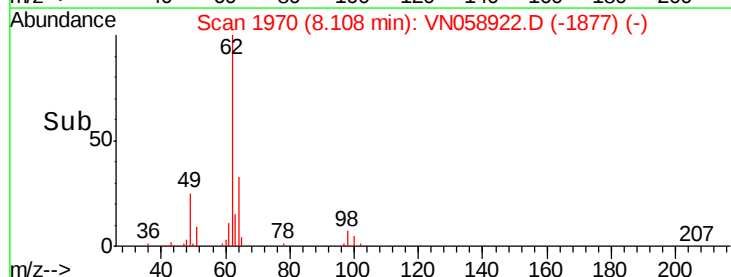
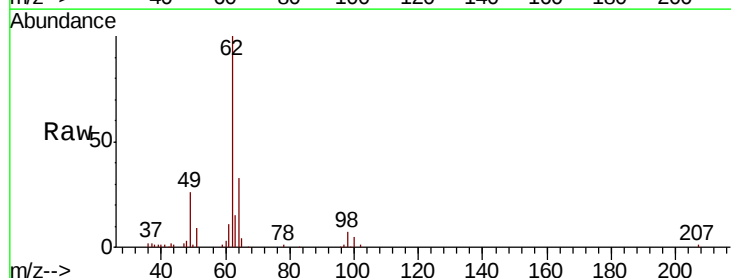
Instrument :
MSVOA_N
ClientSampled :

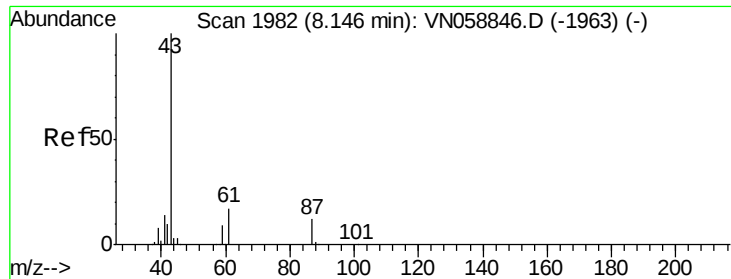
Tot Ion:	41	Resp:	172463
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.471 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion:	62	Resp:	123994
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 18.807 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampled :

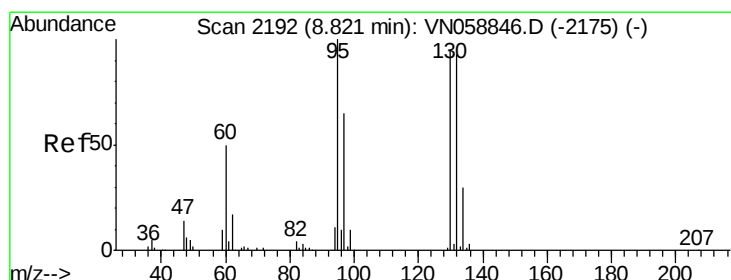
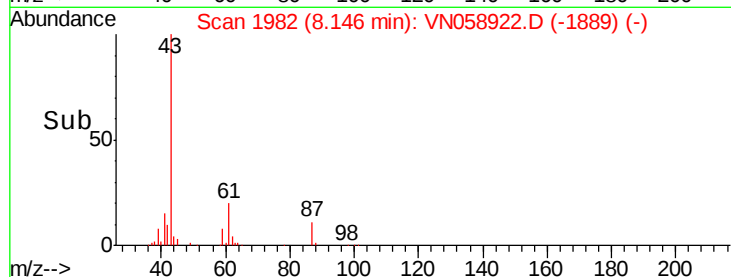
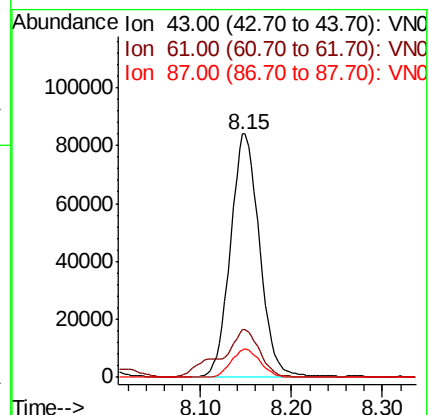
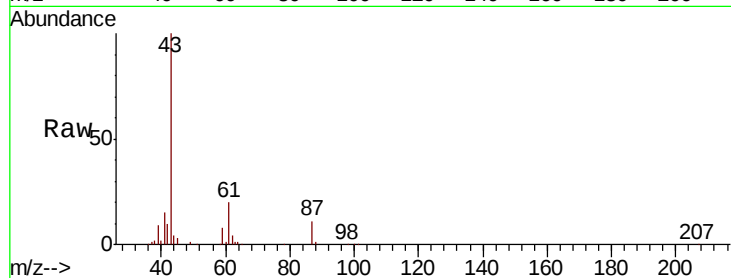
Tot Ion: 43 Resp: 185025

Ion Ratio Lower Upper

43 100

61 19.3 20.2 30.2#

87 11.5 9.5 14.3



#44

Trichloroethene

Concen: 19.308 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058922.D

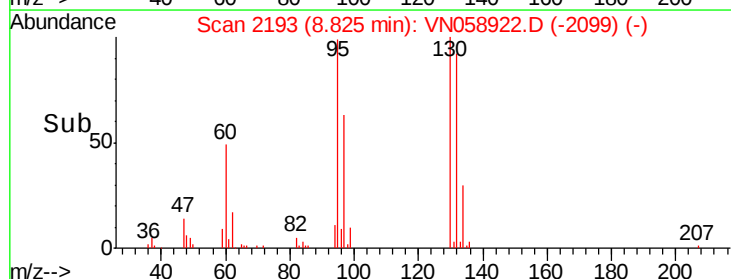
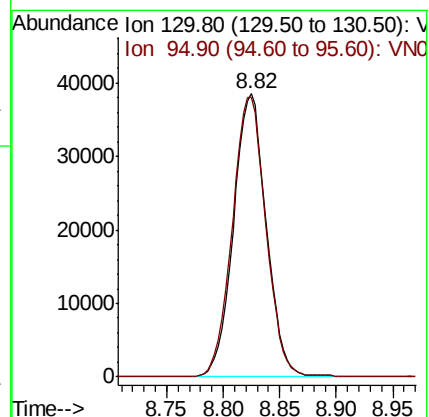
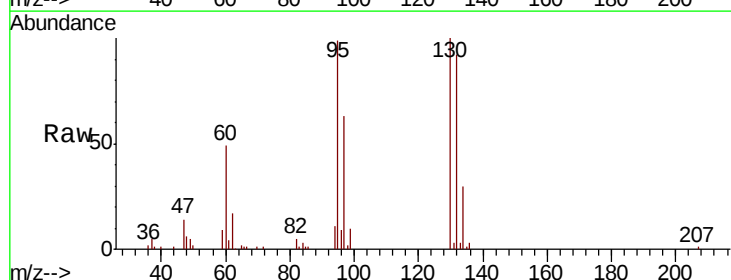
Acq: 23 Oct 2019 12:28

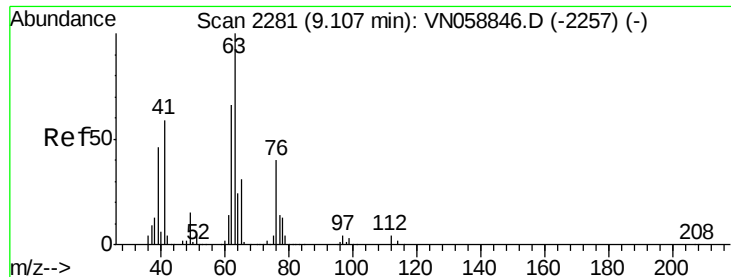
Tgt Ion:130 Resp: 77755

Ion Ratio Lower Upper

130 100

95 98.6 0.0 209.6

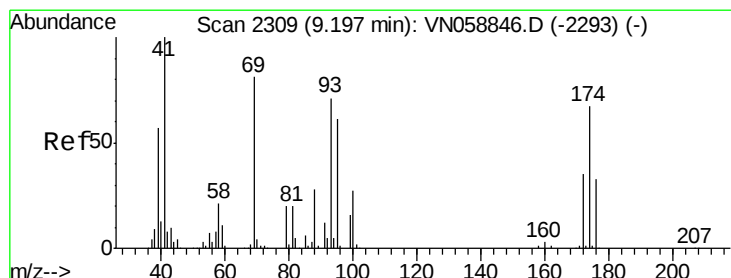
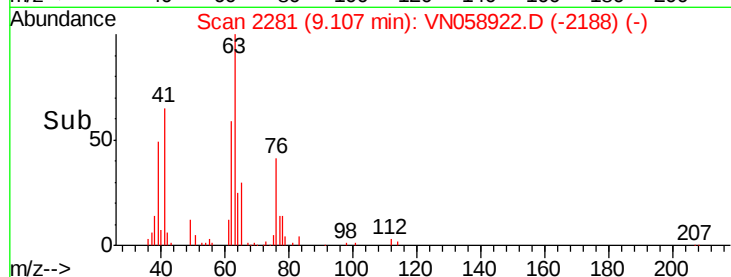
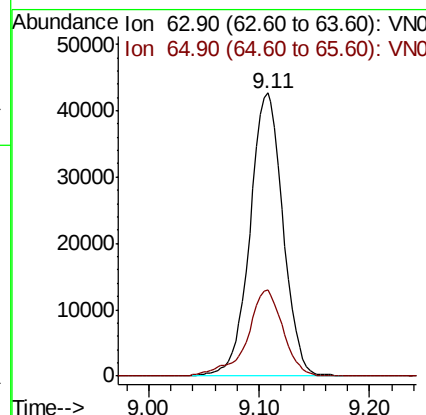
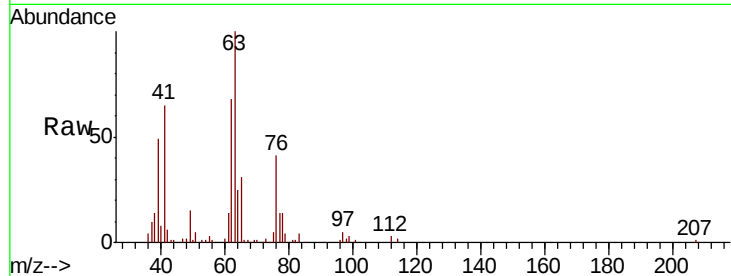




#45
 1,2-Dichloropropane
 Concen: 19.489 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

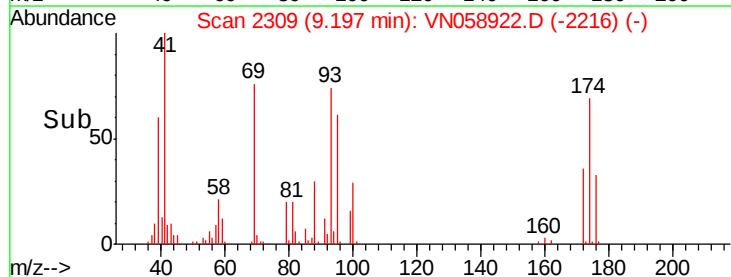
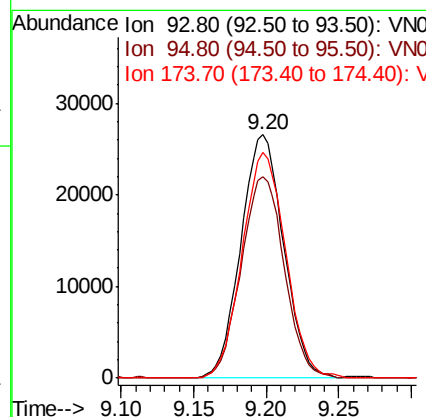
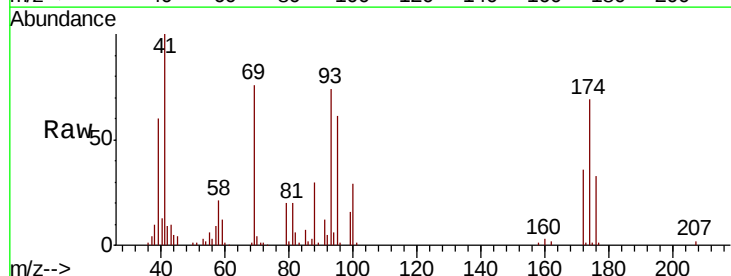
Instrument :
 MSVOA_N
 ClientSampleId :

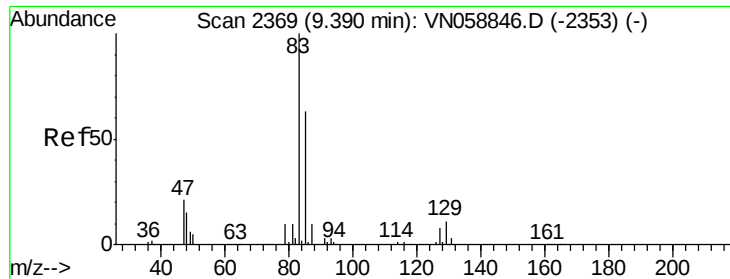
Tot Ion: 63 Resp: 88346
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.5 36.7



#46
 Dibromomethane
 Concen: 19.047 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion: 93 Resp: 54585
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.6 101.4
 174 93.9 74.1 111.1

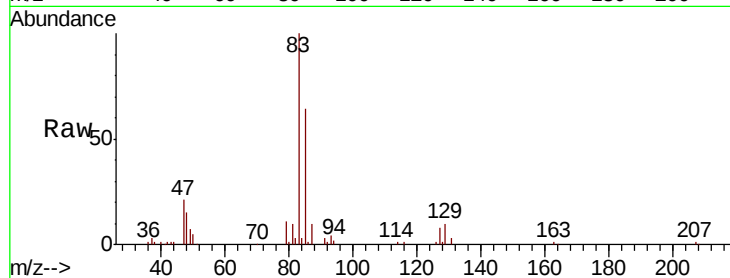




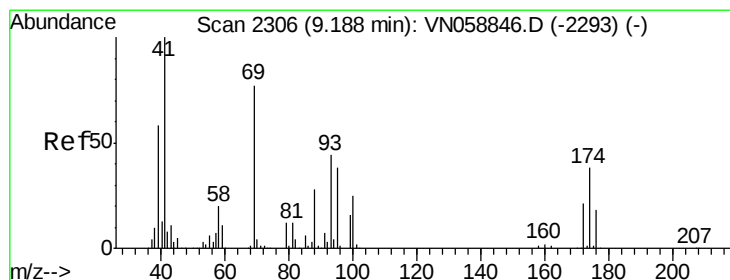
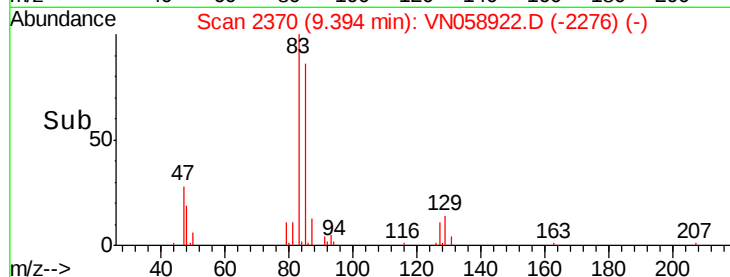
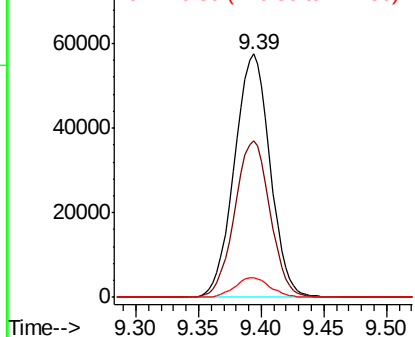
#47
Bromodichloromethane
Concen: 19.248 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 113692
Ion Ratio Lower Upper
83 100
85 64.4 50.6 75.8
127 8.1 6.5 9.7

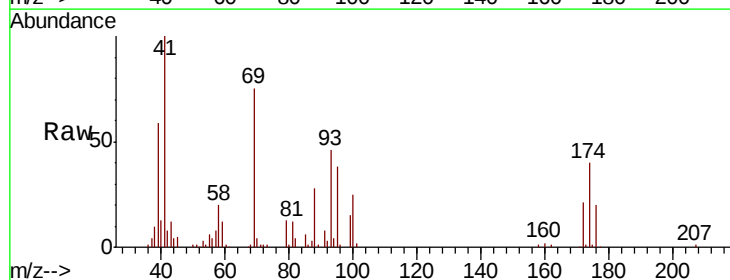


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

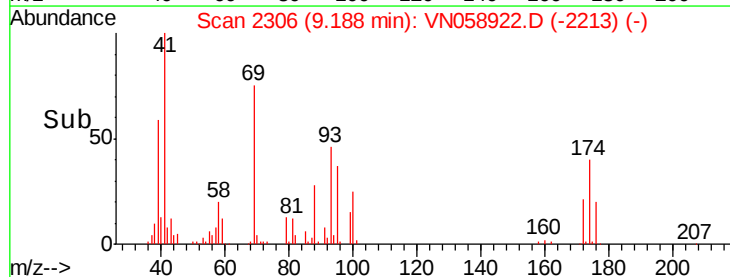
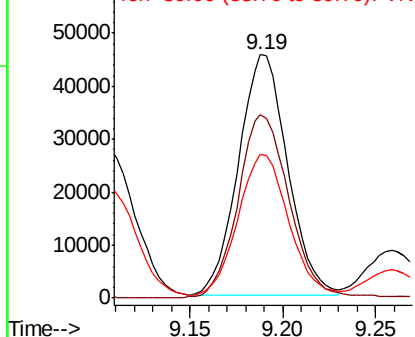


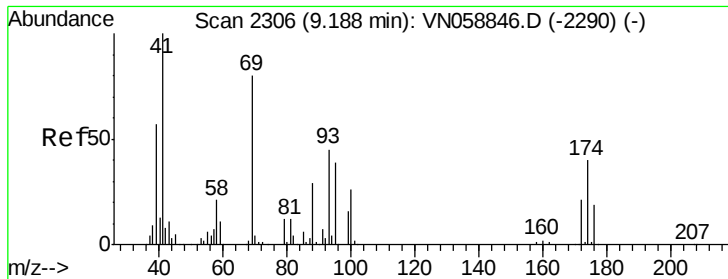
#48
Methyl methacrylate
Concen: 18.848 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 41 Resp: 84130
Ion Ratio Lower Upper
41 100
69 80.0 63.8 95.6
39 61.9 47.8 71.8



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

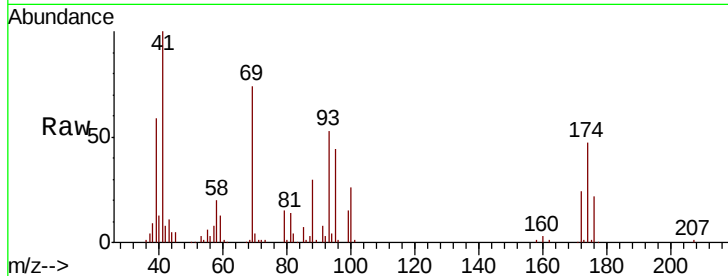




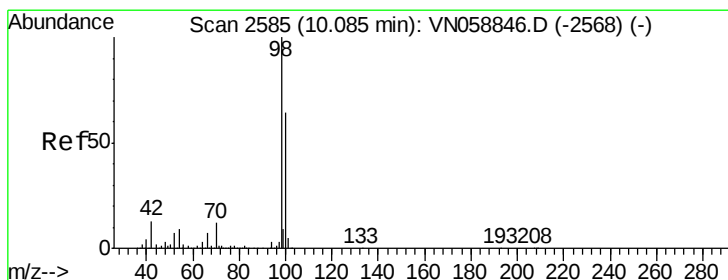
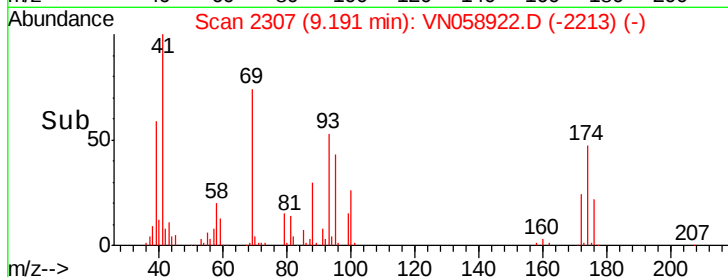
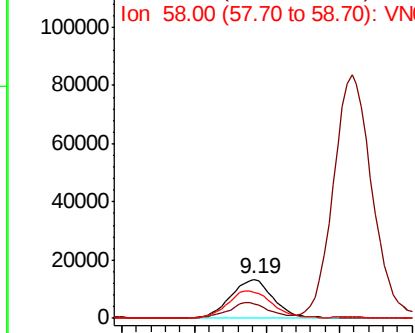
#49
1,4-Dioxane
Concen: 372.911 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 27324
Ion Ratio Lower Upper
88 100
43 38.9 29.1 43.7
58 74.5 59.4 89.0

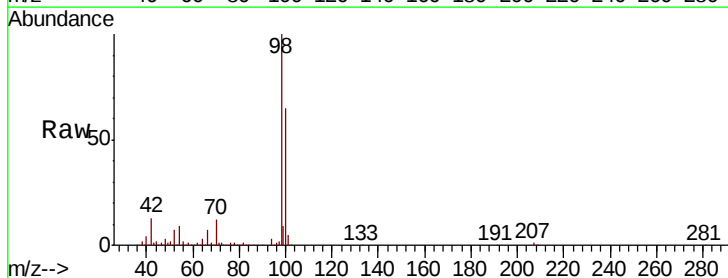


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

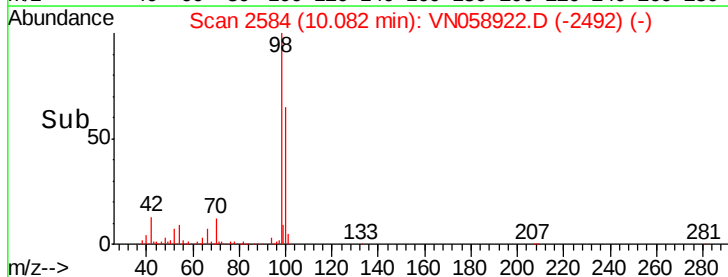
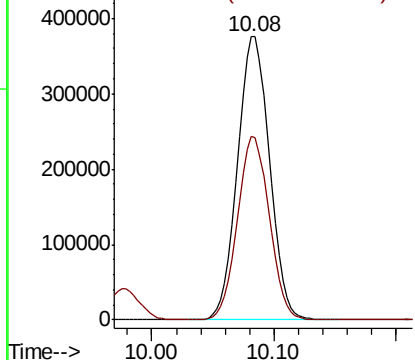


#50
Toluene-d8
Concen: 48.652 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 98 Resp: 682800
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2



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: 102.855 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

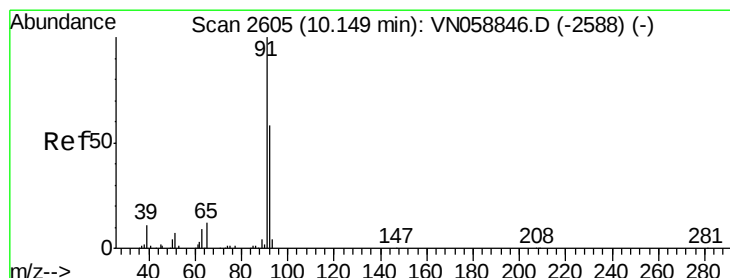
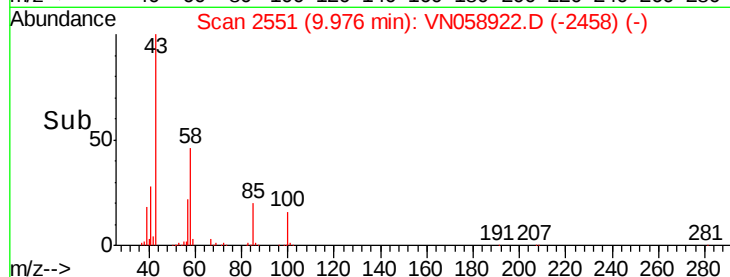
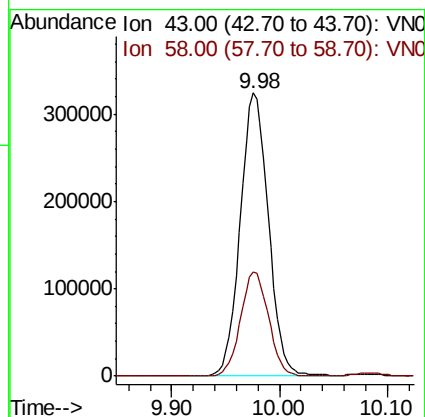
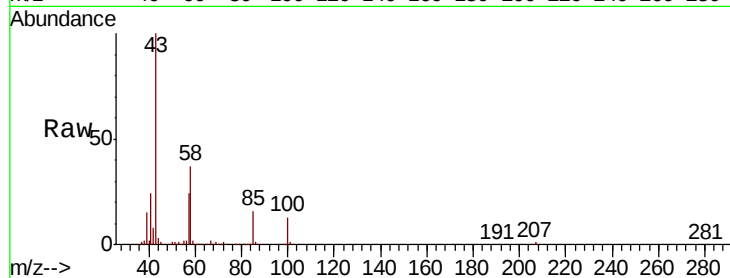
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 591037

Ion Ratio Lower Upper

43 100

58 36.6 29.9 44.9



#52

Toluene

Concen: 19.689 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058922.D

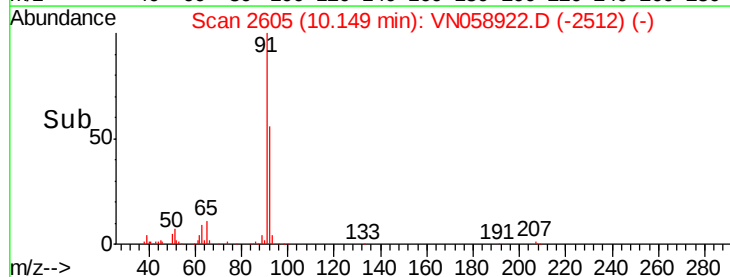
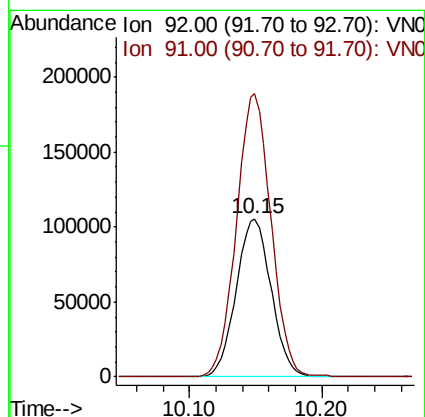
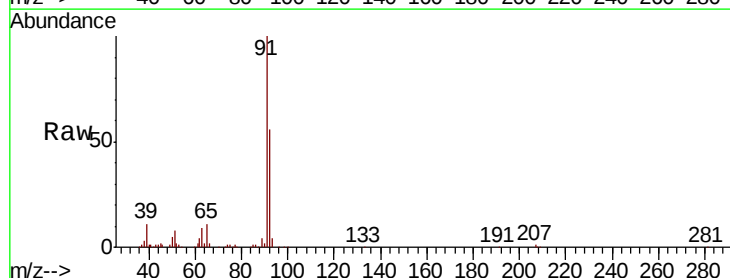
Acq: 23 Oct 2019 12:28

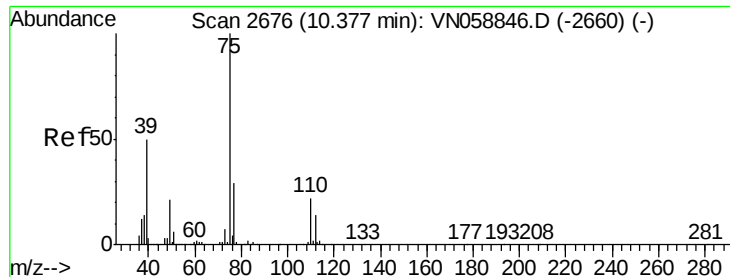
Tgt Ion: 92 Resp: 193019

Ion Ratio Lower Upper

92 100

91 177.5 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 18.930 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

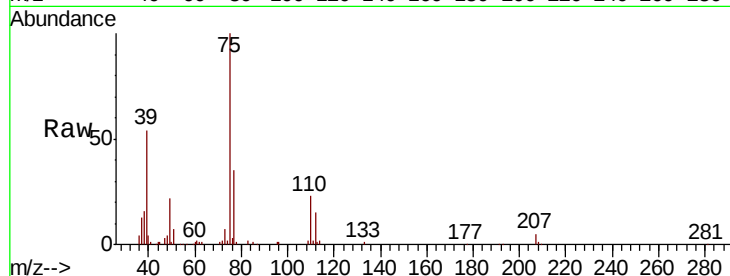
ClientSampled :

Tot Ion: 75 Resp: 123779

Ion Ratio Lower Upper

75 100

77 33.3 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

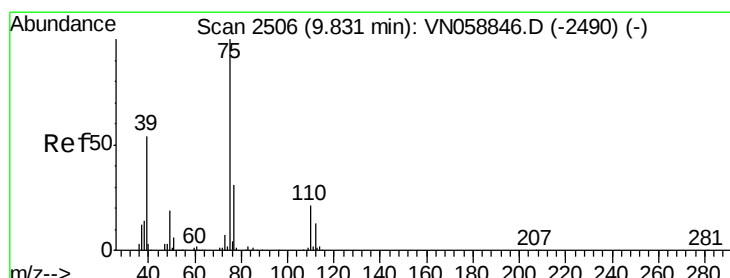
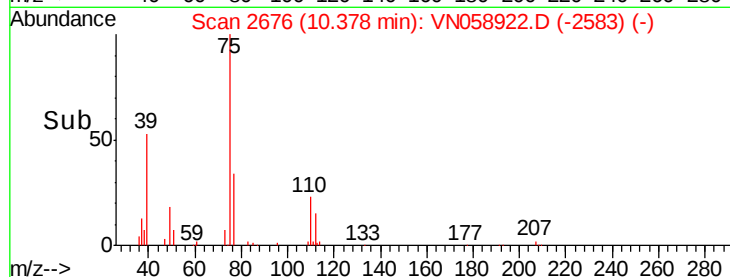
40000

20000

0

Time-->

10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 19.230 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

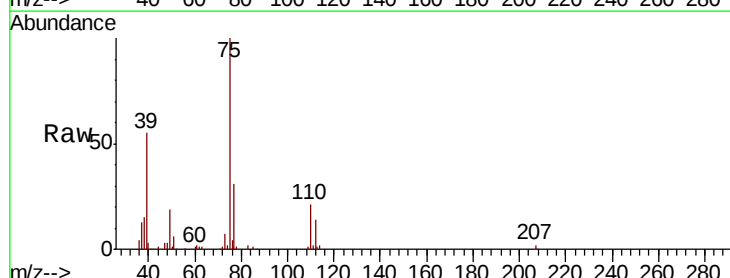
Tgt Ion: 75 Resp: 134334

Ion Ratio Lower Upper

75 100

77 30.8 24.7 37.1

39 54.9 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

100000

80000

60000

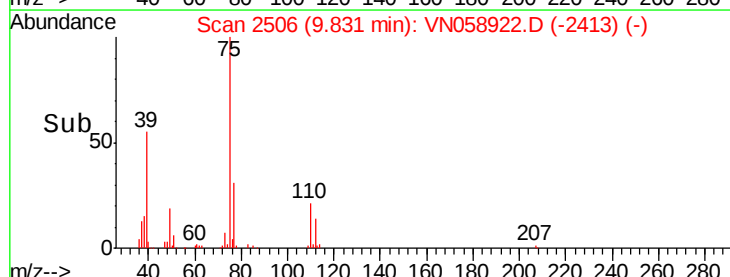
40000

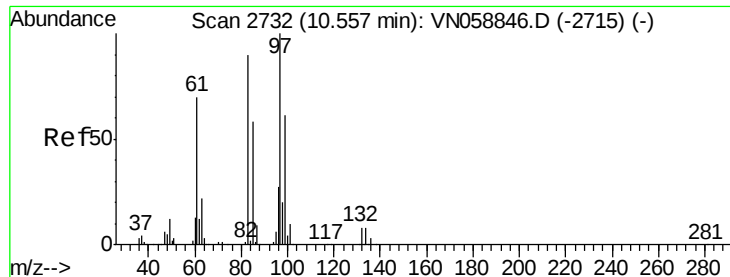
20000

0

Time-->

9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 19.459 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

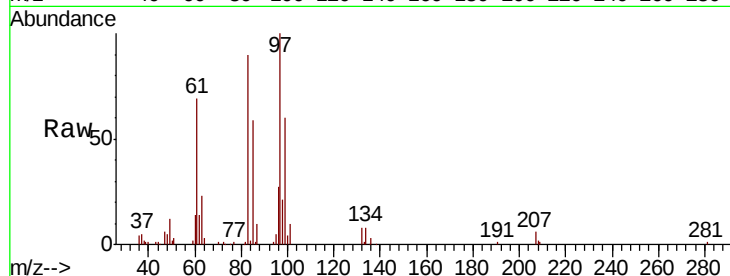
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 78587

Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.2	108.4
85	59.4	46.2	69.2
99	59.8	48.7	73.1



Abundance

Ion 96.90 (96.60 to 97.60): VN0

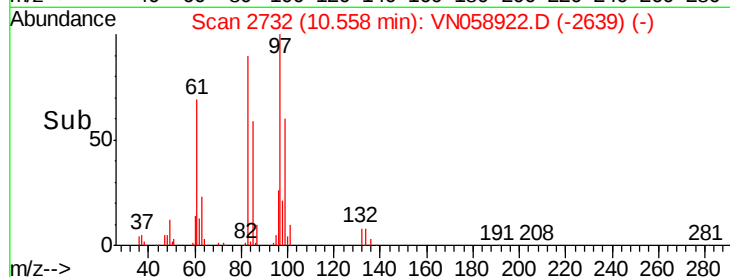
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

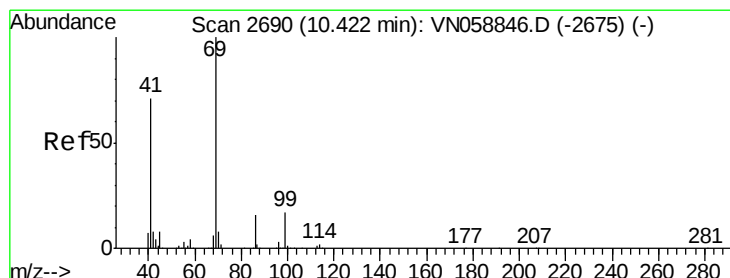
Ion 98.90 (98.60 to 99.60): VN0

10.56

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 18.128 ug/l

RT: 10.43 min Scan# 2691

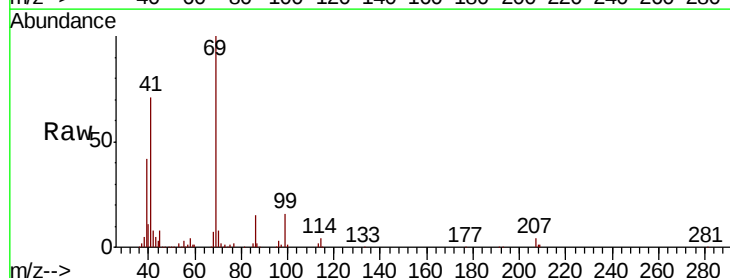
Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Tgt Ion: 69 Resp: 113514

Ion	Ratio	Lower	Upper
69	100		
41	71.1	57.2	85.8
39	40.0	31.0	46.4



Abundance

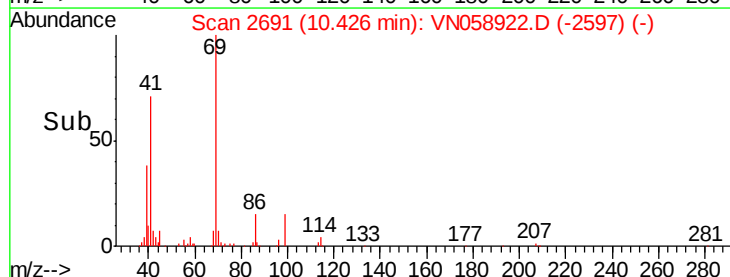
Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

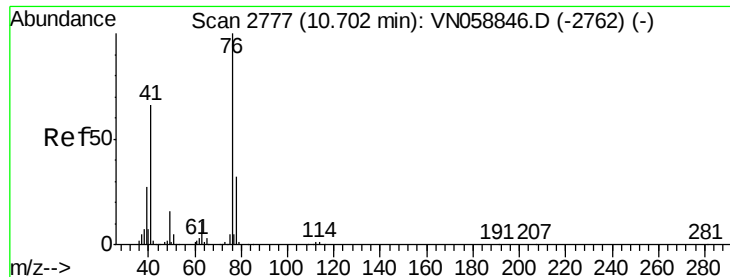
Ion 39.00 (38.70 to 39.70): VN0

10.43

Time-->



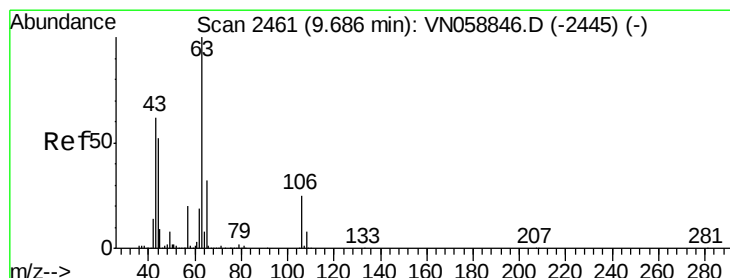
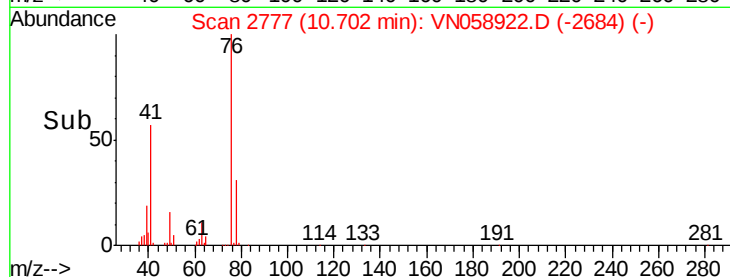
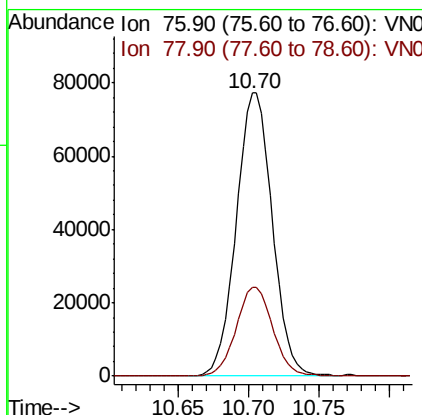
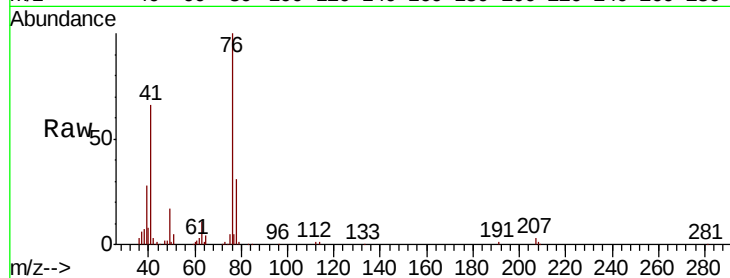
Time-->



#57
 1,3-Dichloropropane
 Concen: 19.517 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

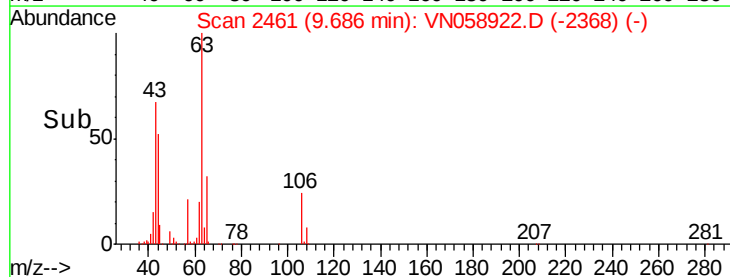
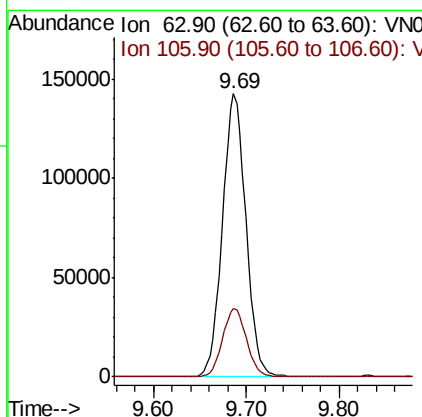
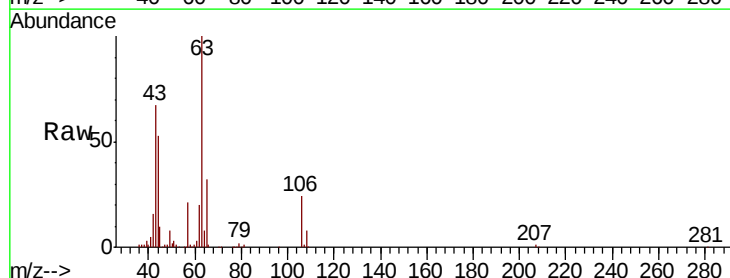
Instrument :
 MSVOA_N
 ClientSampleId :

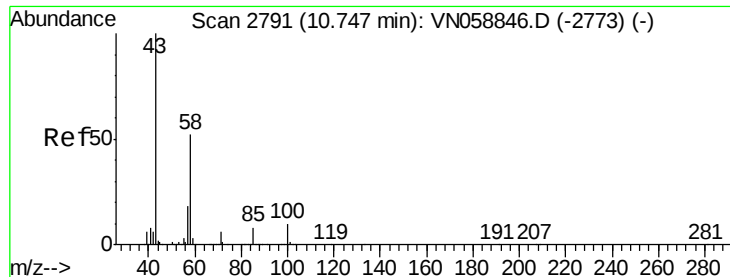
Tot Ion: 76 Resp: 138342
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.064 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion: 63 Resp: 250316
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8

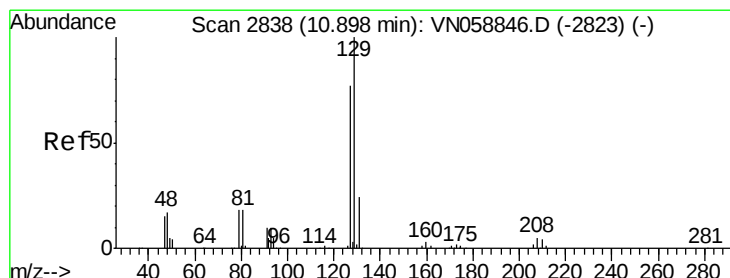
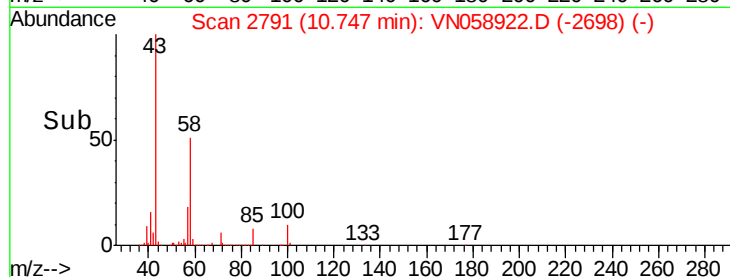
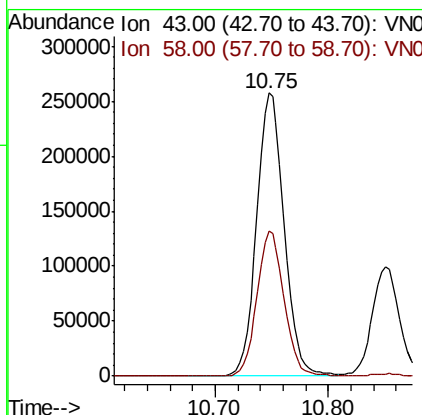
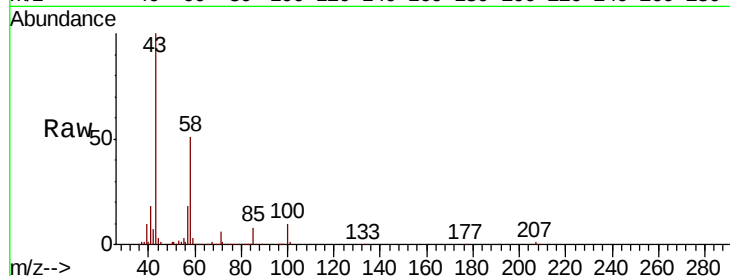




#59
2-Hexanone
Concen: 97.891 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

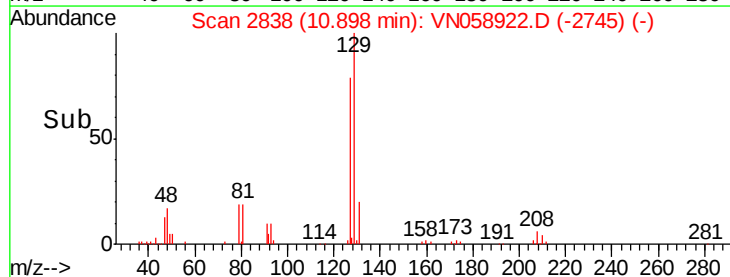
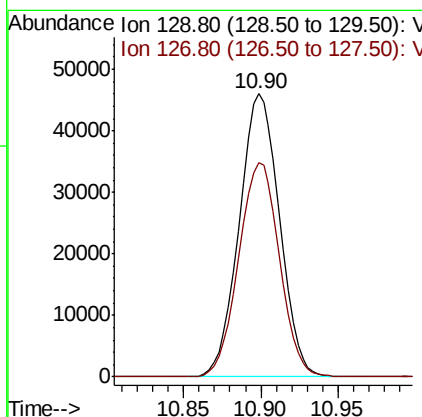
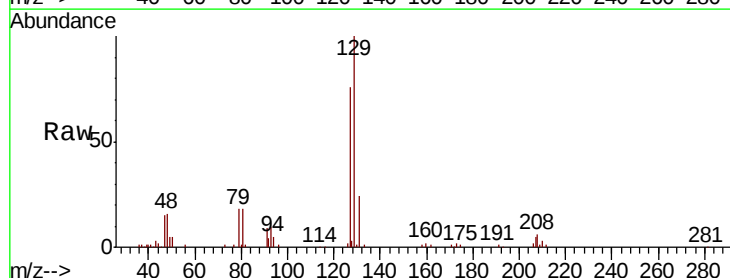
Instrument :
MSVOA_N
ClientSampled :

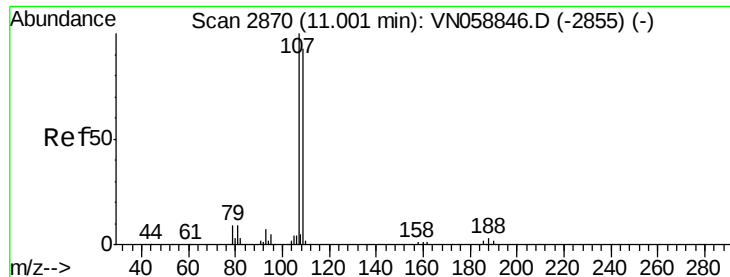
Tot Ion: 43 Resp: 434670
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7



#60
Dibromochloromethane
Concen: 19.176 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 129 Resp: 83356
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.3

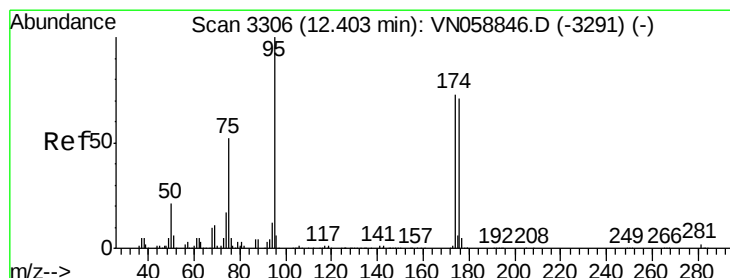
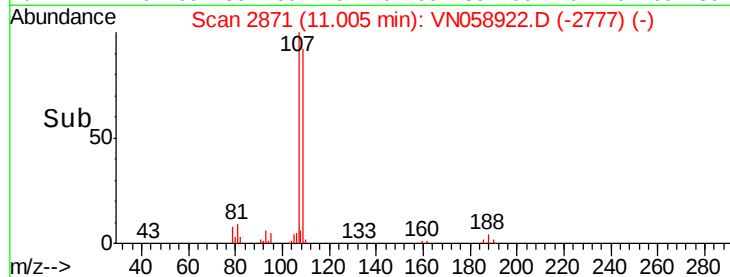
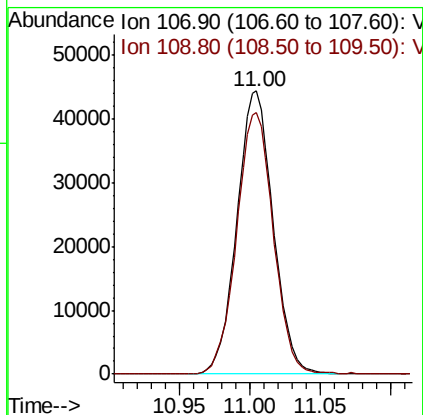
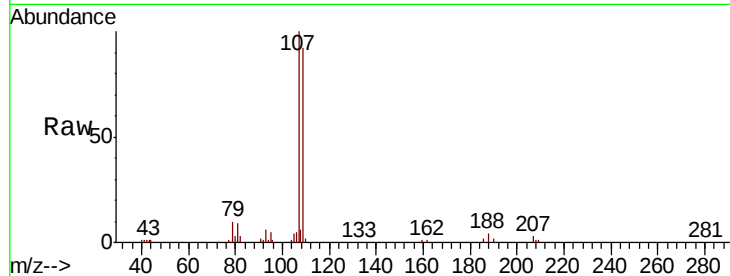




#61
 1,2-Dibromoethane
 Concen: 19.286 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

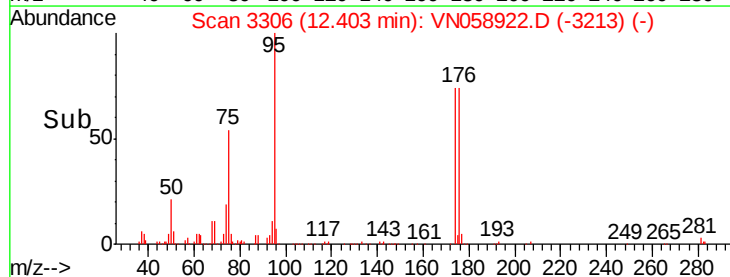
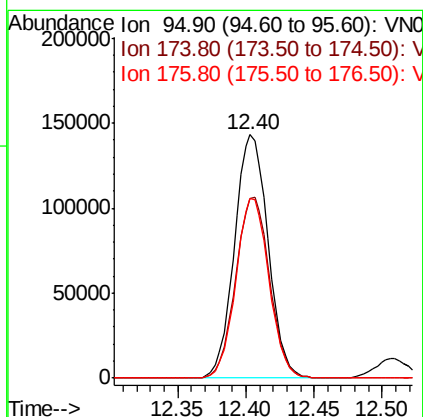
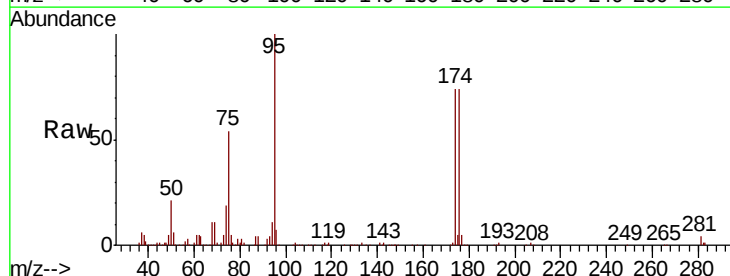
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 79711
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 47.417 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion: 95 Resp: 244379
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 147.6
 176 72.7 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

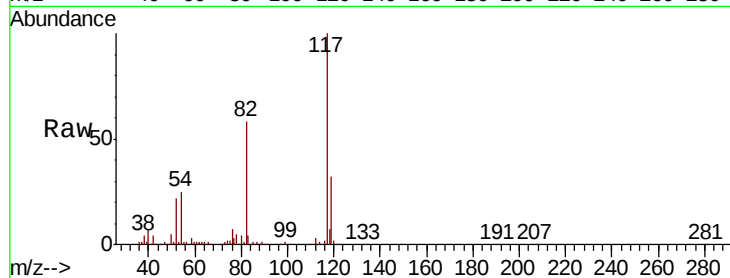
Tot Ion:117 Resp: 514892

Ion Ratio Lower Upper

117 100

82 58.2 46.6 69.8

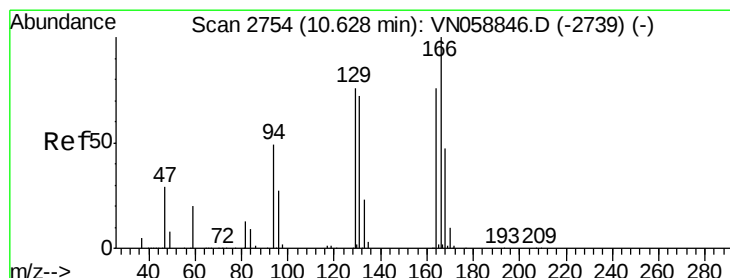
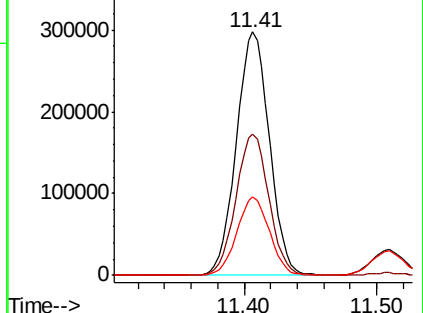
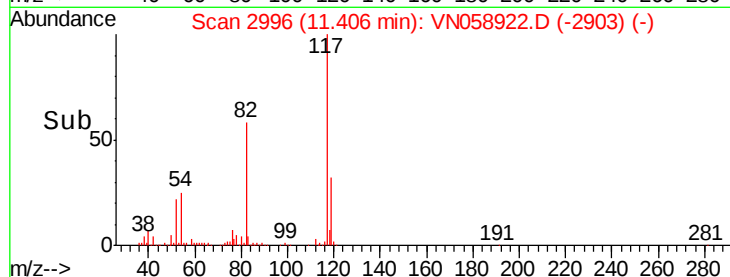
119 32.2 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.023 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Tgt Ion:164 Resp: 68596

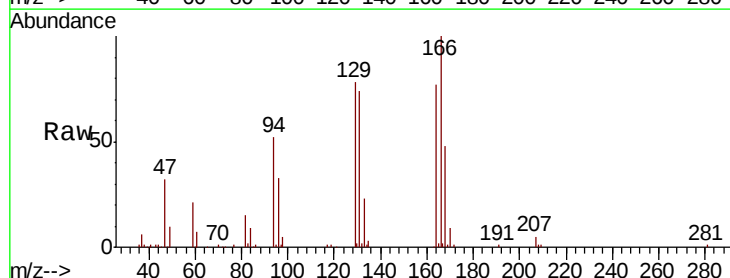
Ion Ratio Lower Upper

164 100

166 129.9 104.8 157.2

129 101.9 79.3 118.9

131 96.4 75.8 113.6

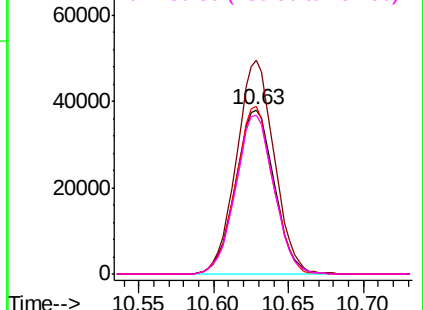
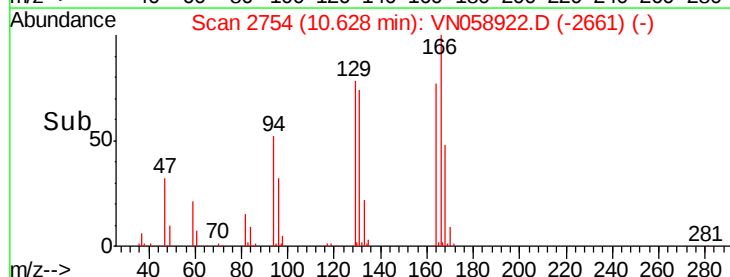


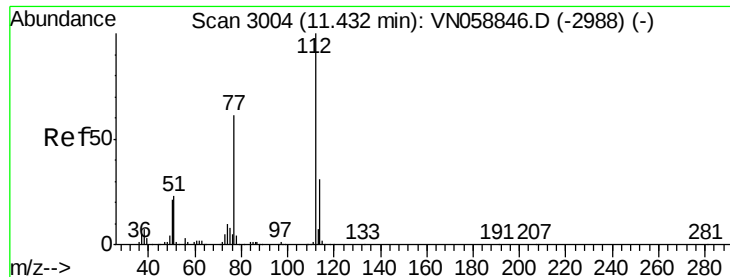
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.393 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

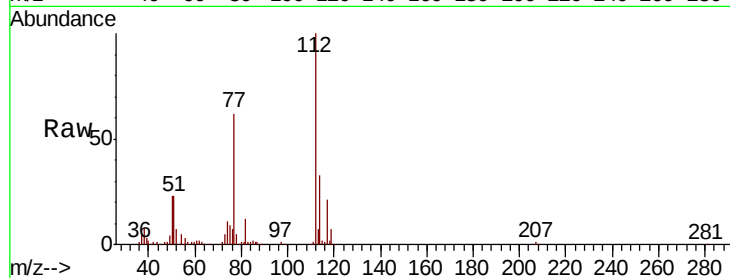
ClientSampleId :

Tot Ion:112 Resp: 203284

Ion Ratio Lower Upper

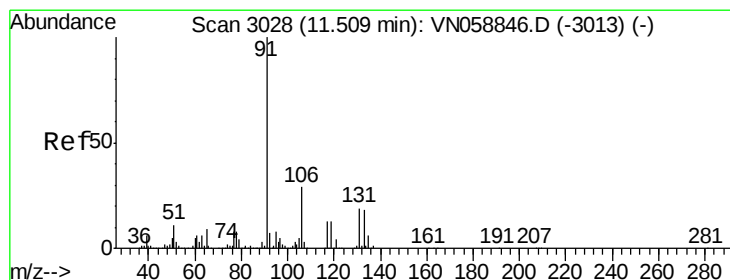
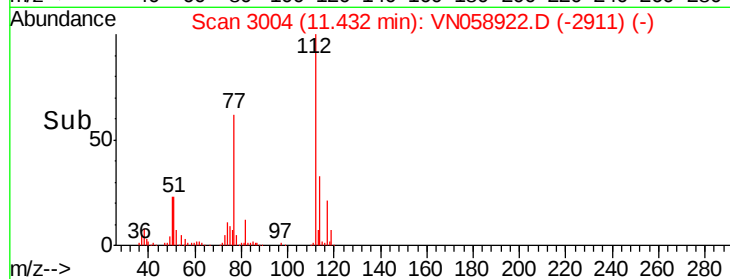
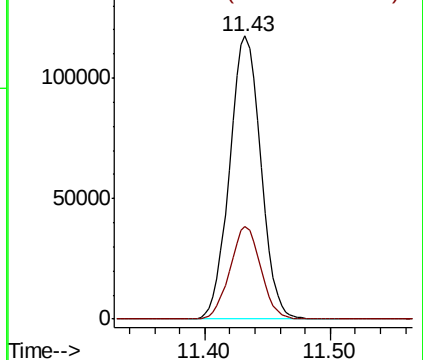
112 100

114 32.9 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.661 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

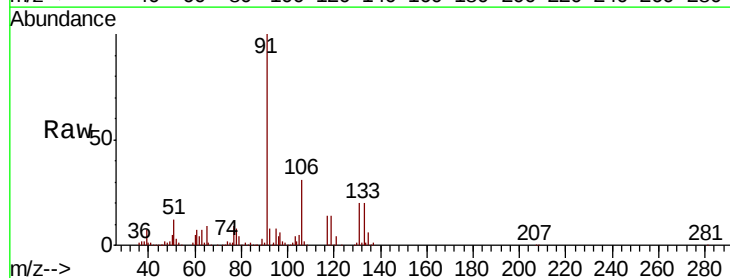
Tgt Ion:131 Resp: 77771

Ion Ratio Lower Upper

131 100

133 96.5 48.4 145.2

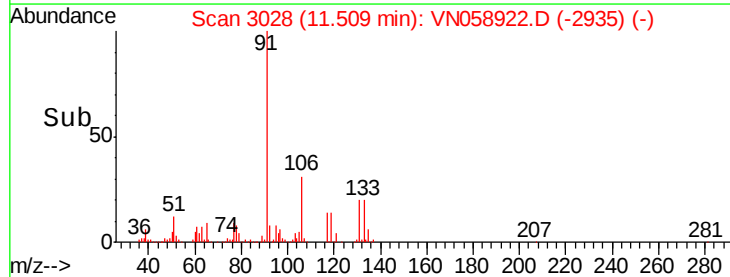
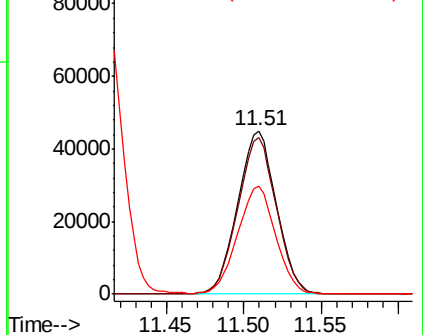
119 65.5 33.6 100.8

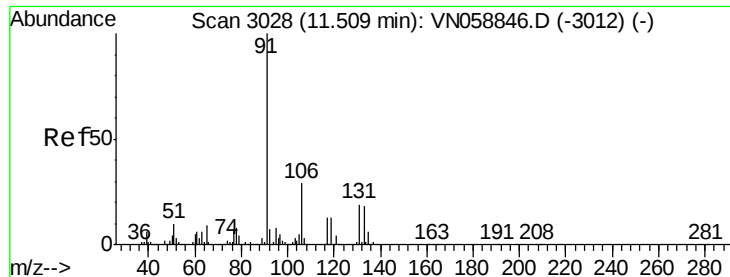


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.587 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

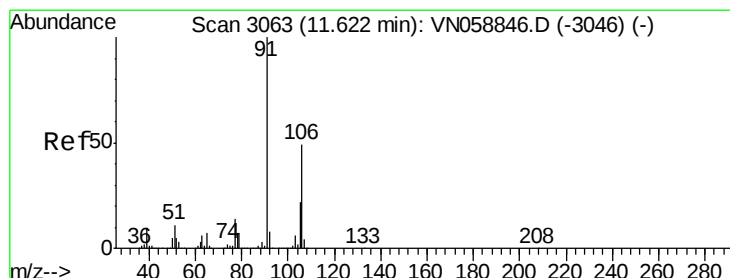
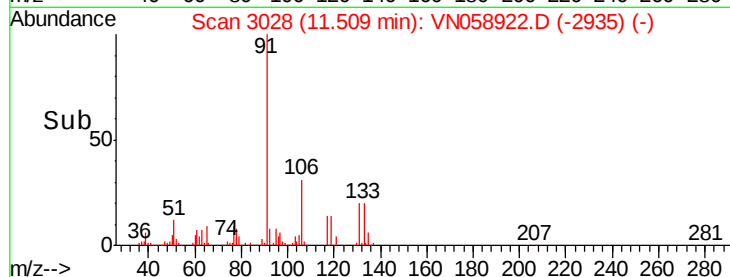
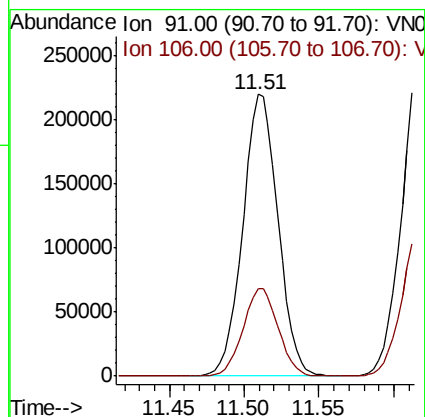
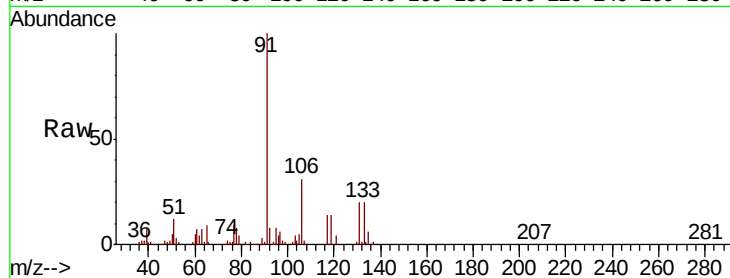
ClientSampleId :

Tot Ion: 91 Resp: 360174

Ion Ratio Lower Upper

91 100

106 31.1 23.4 35.0



#68

m/p-Xylenes

Concen: 39.032 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058922.D

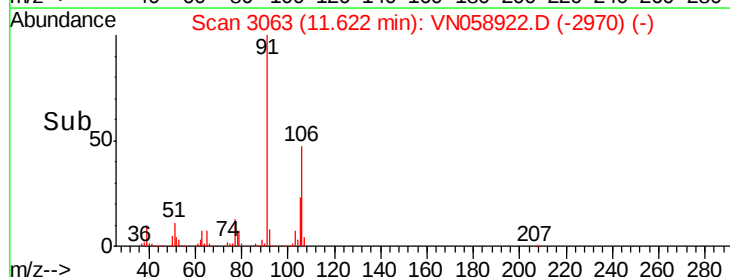
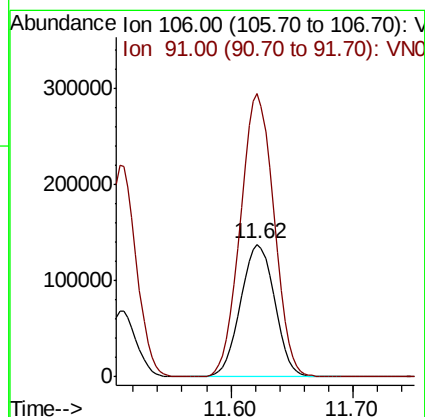
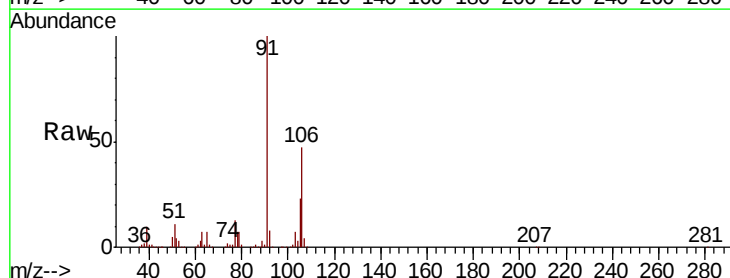
Acq: 23 Oct 2019 12:28

Tgt Ion: 106 Resp: 266176

Ion Ratio Lower Upper

106 100

91 210.0 166.6 249.8





#69

o-Xylene

Concen: 19.323 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

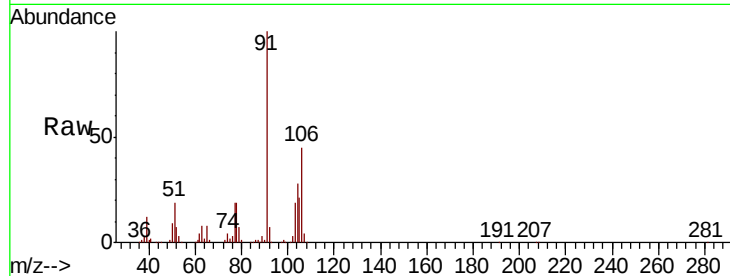
ClientSampleId :

Tot Ion:106 Resp: 125675

Ion Ratio Lower Upper

106 100

91 223.7 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

200000

150000

100000

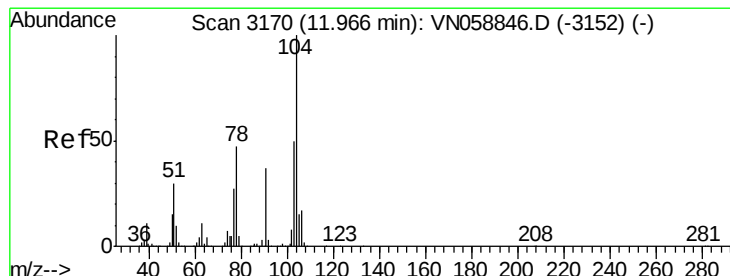
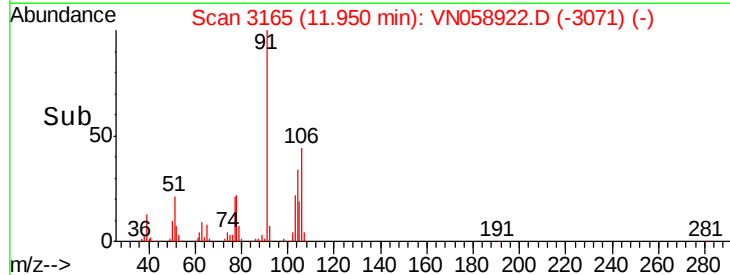
50000

0

11.95

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 18.193 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

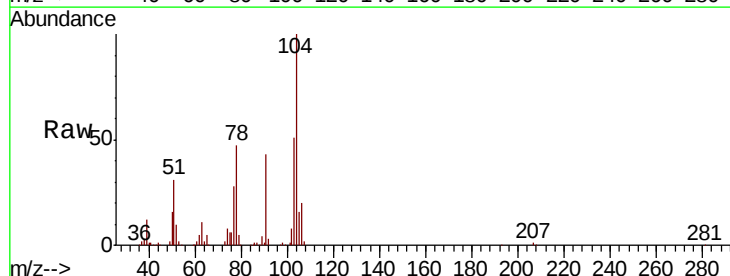
Tgt Ion:104 Resp: 204864

Ion Ratio Lower Upper

104 100

78 53.3 42.8 64.2

103 56.4 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

150000

100000

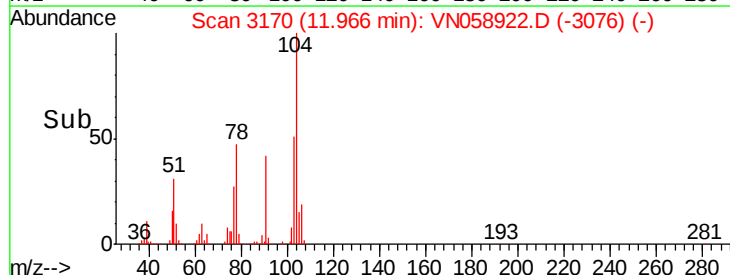
50000

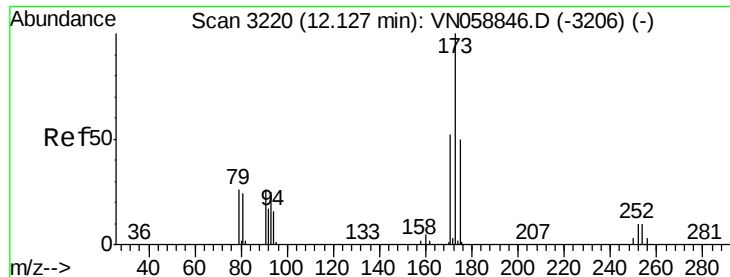
0

11.97

11.90 11.95 12.00

Time-->

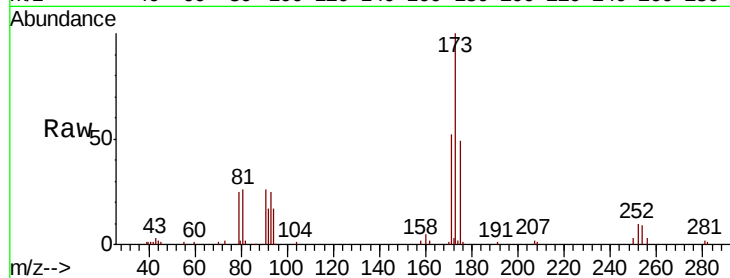




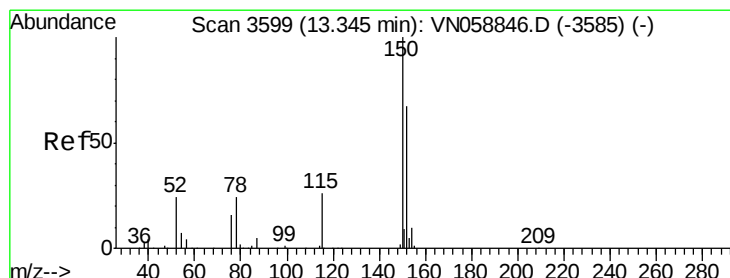
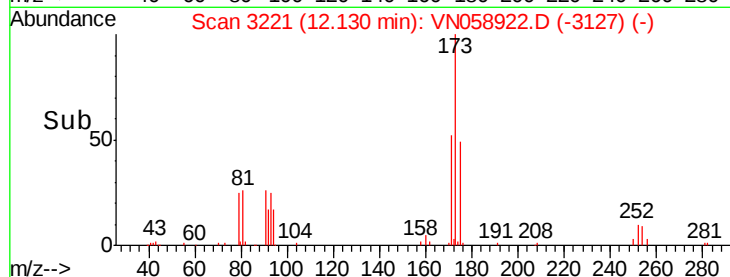
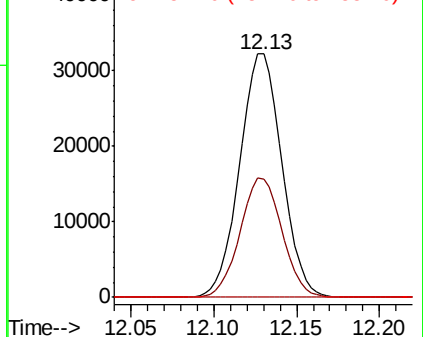
#71
Bromoform
Concen: 18.618 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 57110
Ion Ratio Lower Upper
173 100
175 48.7 24.7 74.1
254 0.0 0.0 0.0

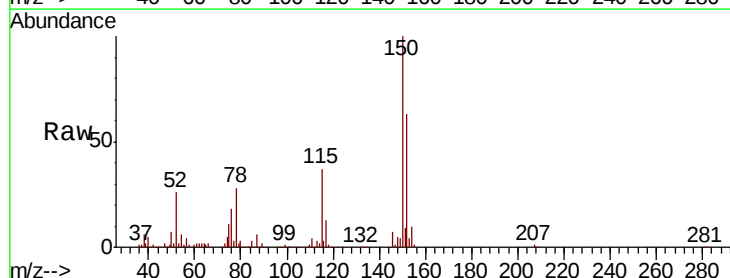


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

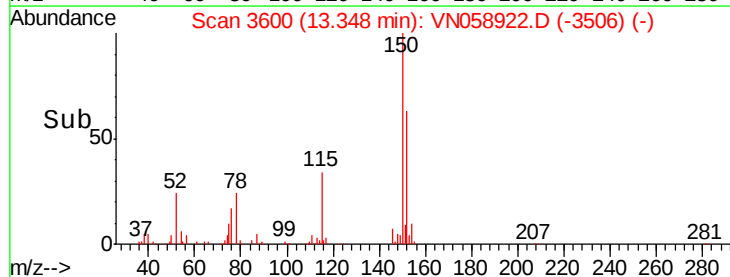
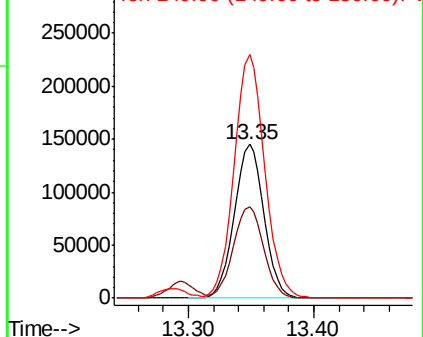


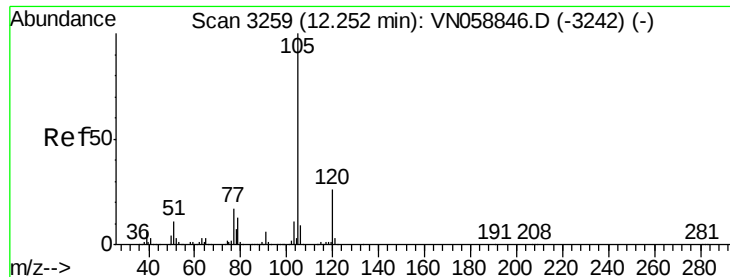
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion:152 Resp: 237735
Ion Ratio Lower Upper
152 100
115 60.7 30.5 91.5
150 162.9 0.0 344.4



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





#73

Isopropylbenzene

Concen: 20.094 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

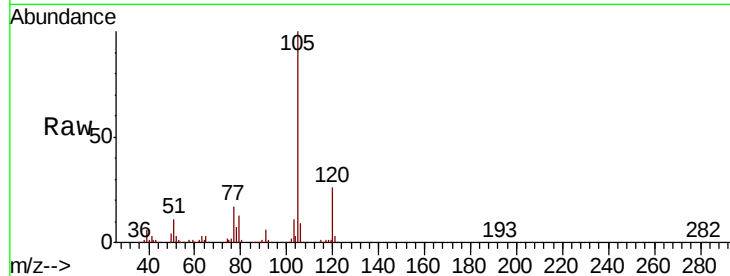
ClientSampleId :

Tot Ion: 105 Resp: 349118

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

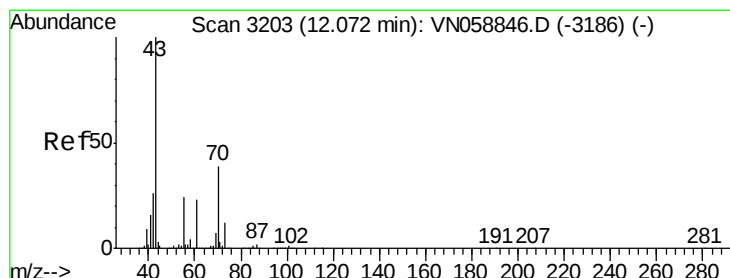
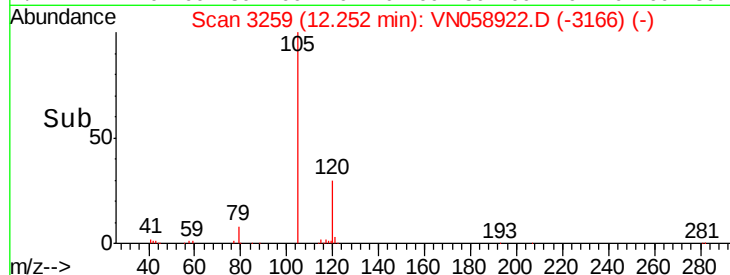
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.060 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Tgt Ion: 43 Resp: 150130

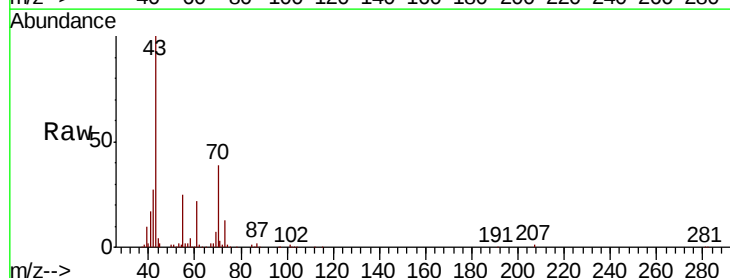
Ion Ratio Lower Upper

43 100

70 39.1 30.9 46.3

55 26.4 19.7 29.5

61 22.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

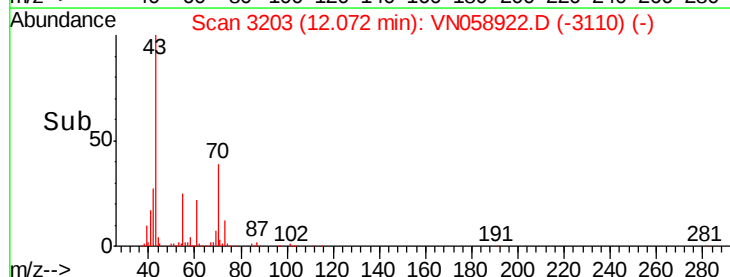
100000

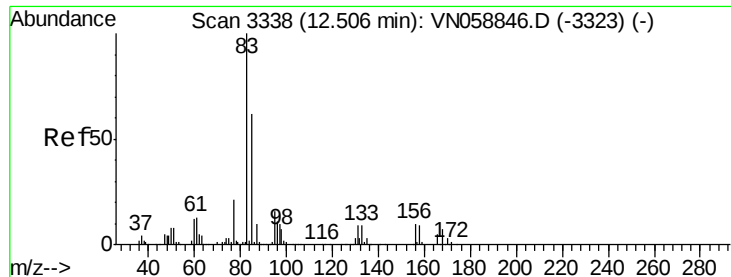
50000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.661 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

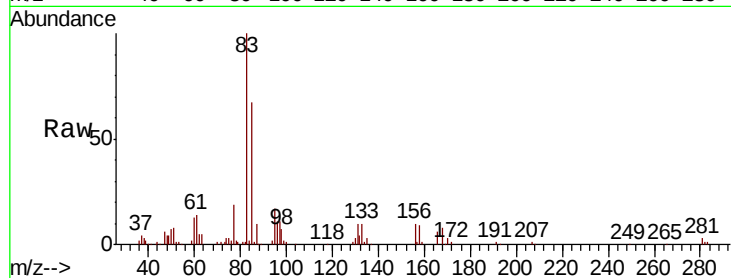
Tot Ion: 83 Resp: 120109

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.1
85	65.5	31.7	95.1

83 100

131 9.4 4.7 14.1

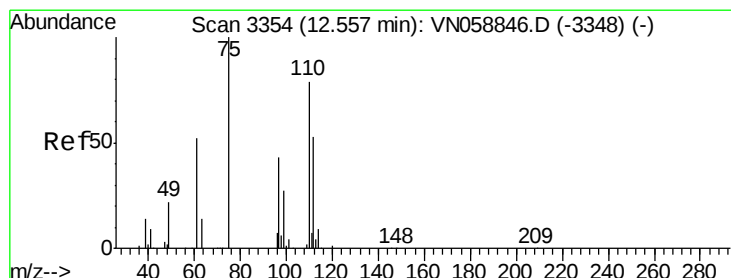
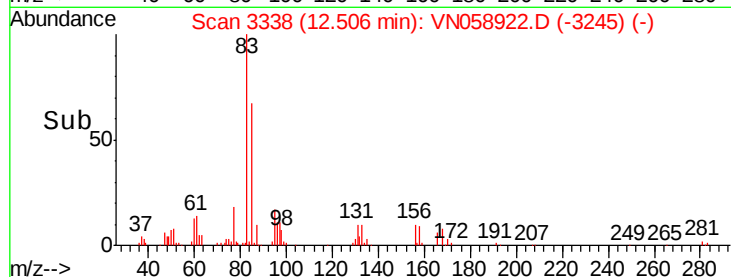
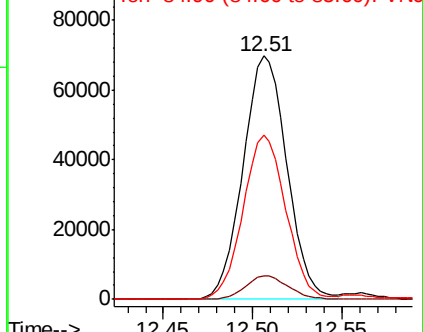
85 65.5 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.721 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058922.D

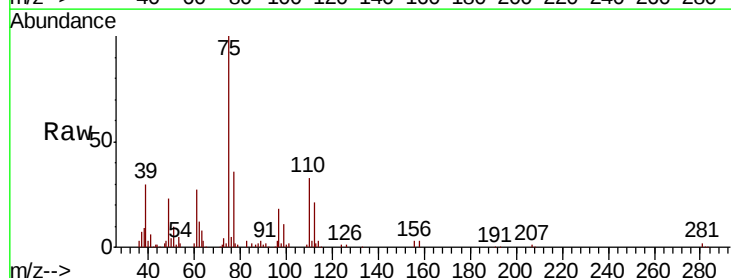
Acq: 23 Oct 2019 12:28

Tgt Ion: 75 Resp: 158248

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

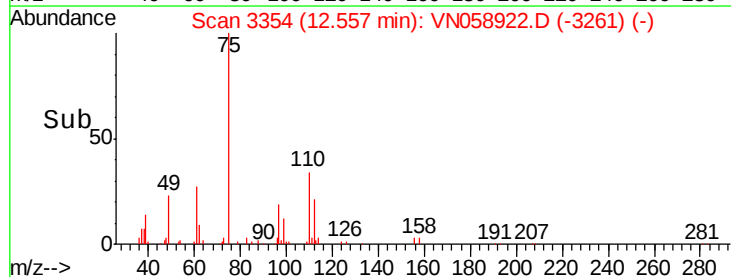
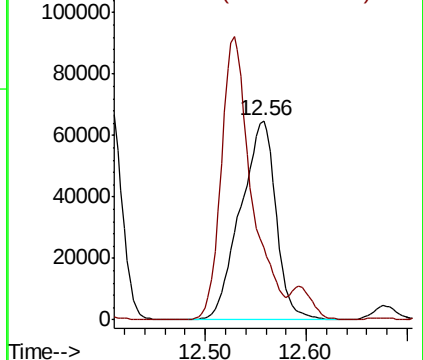
75 100

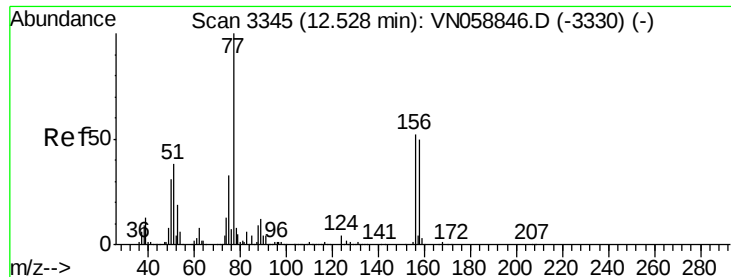
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.636 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampled :

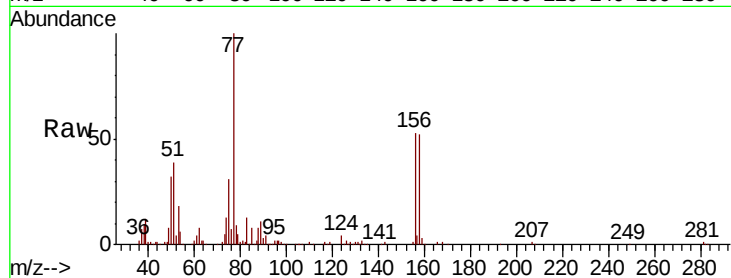
Tot Ion:156 Resp: 84088

Ion Ratio Lower Upper

156 100

77 230.7 118.0 354.0

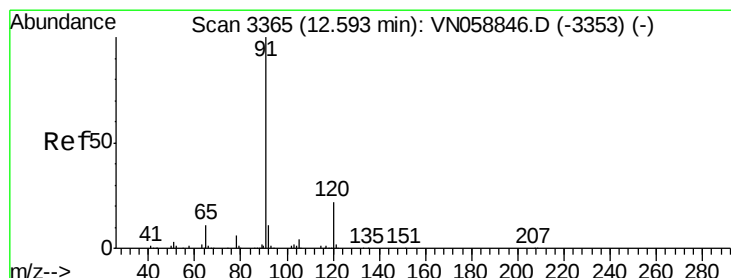
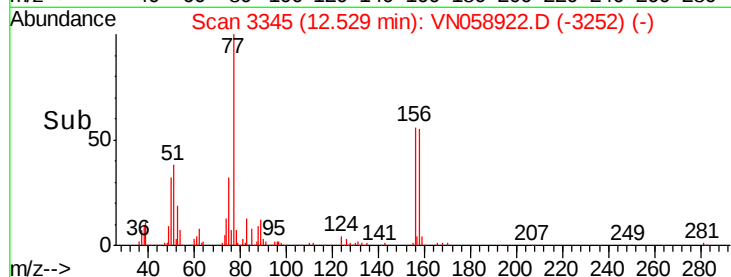
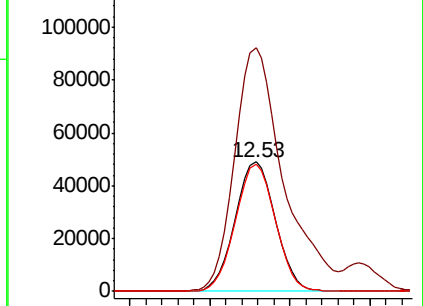
158 97.2 48.3 144.8



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: 19.911 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058922.D

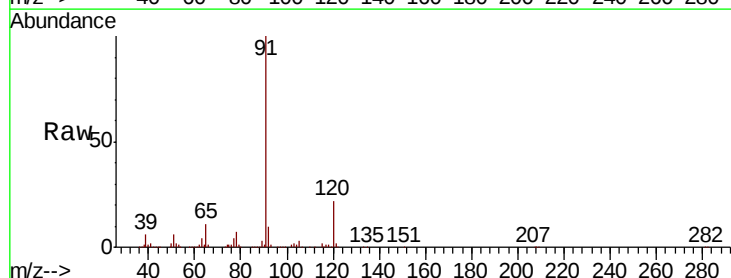
Acq: 23 Oct 2019 12:28

Tgt Ion: 91 Resp: 408910

Ion Ratio Lower Upper

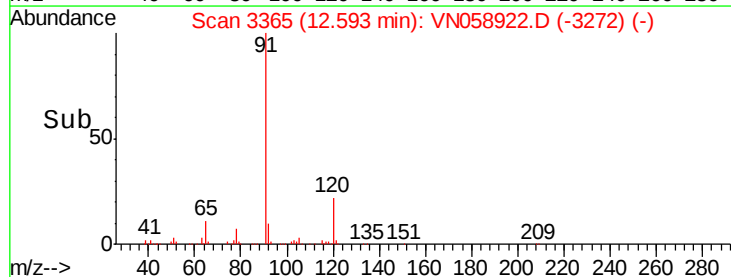
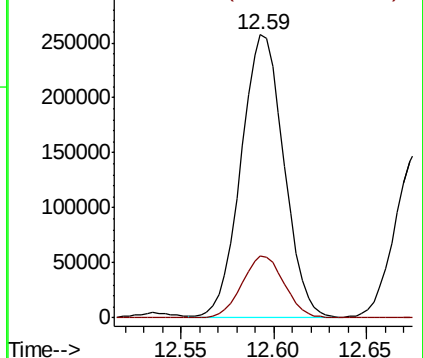
91 100

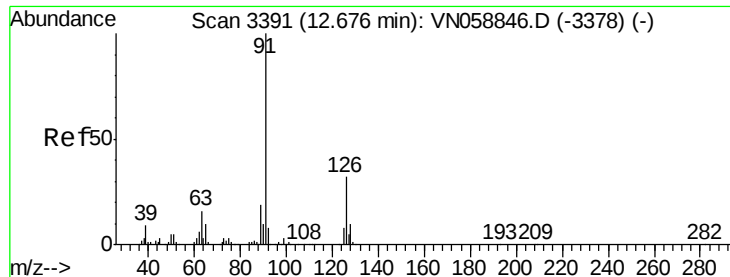
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.788 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

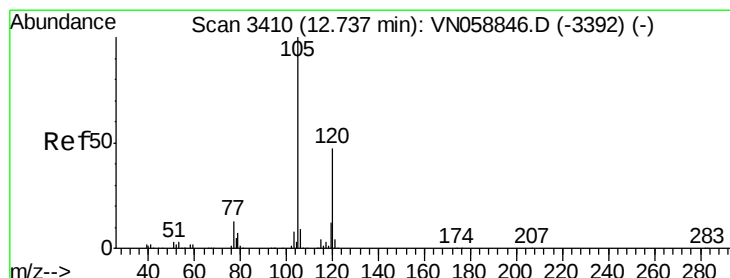
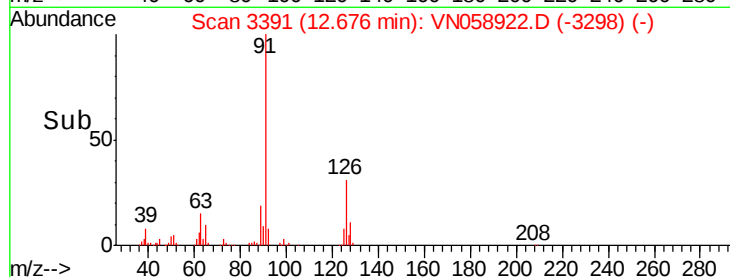
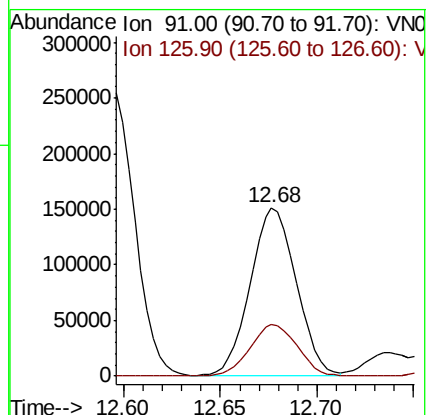
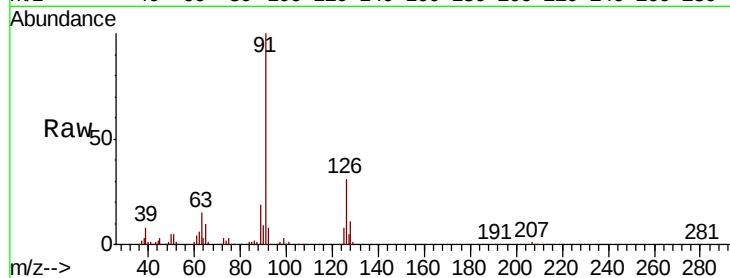
ClientSampleId :

Tot Ion: 91 Resp: 248723

Ion Ratio Lower Upper

91 100

126 31.8 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 20.266 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058922.D

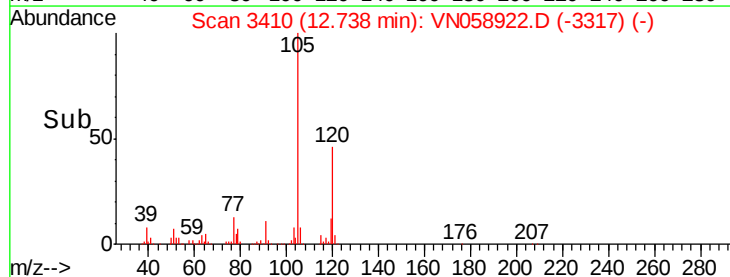
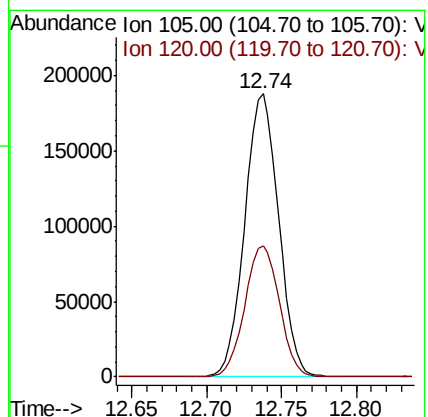
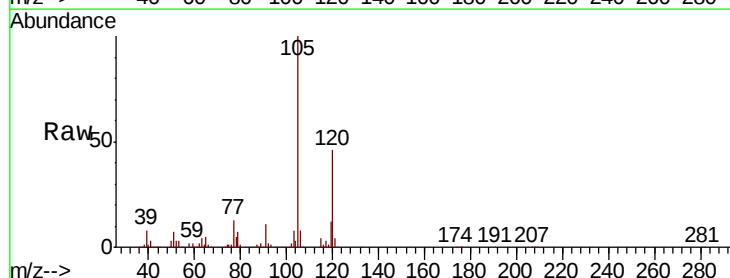
Acq: 23 Oct 2019 12:28

Tgt Ion: 105 Resp: 295831

Ion Ratio Lower Upper

105 100

120 47.4 23.8 71.5

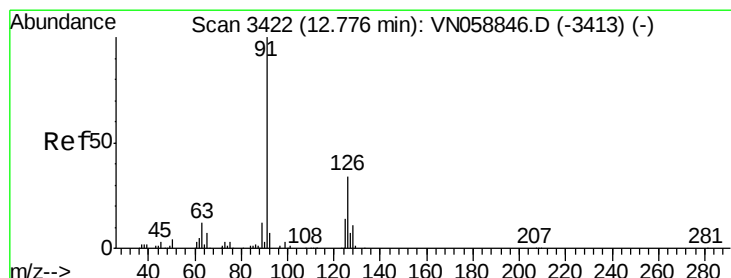
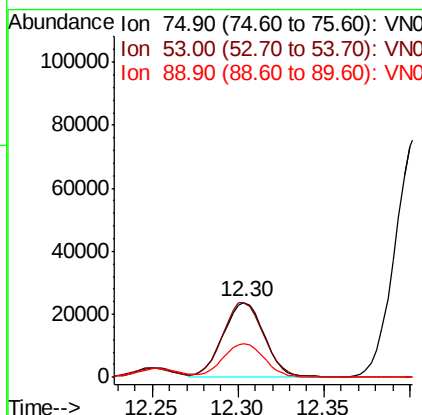
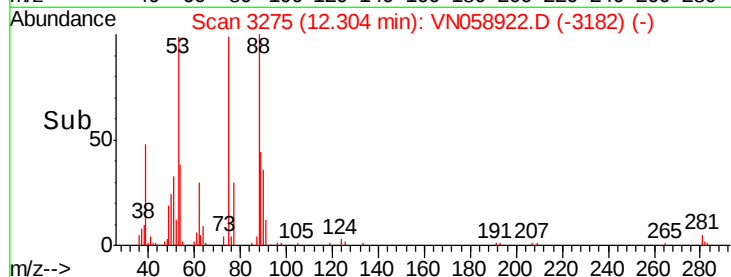
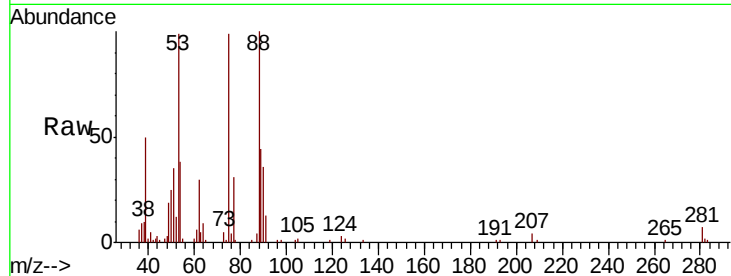




#81
trans-1,4-Dichloro-2-butene
Concen: 18.813 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

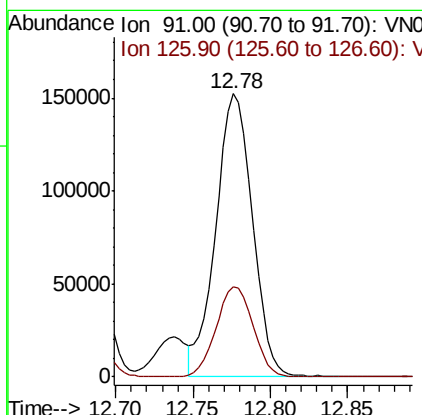
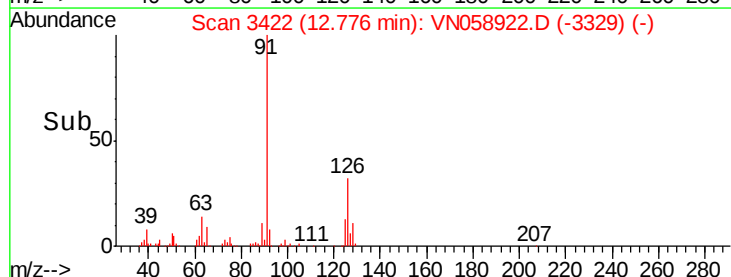
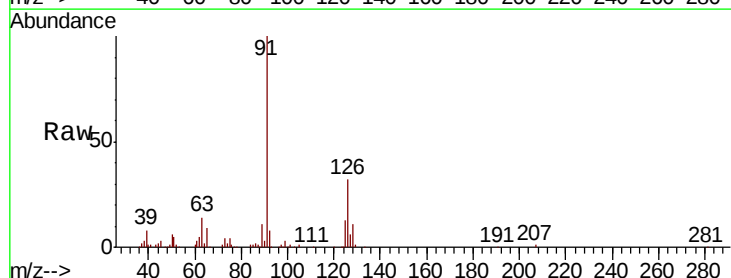
Instrument :
MSVOA_N
ClientSampled :

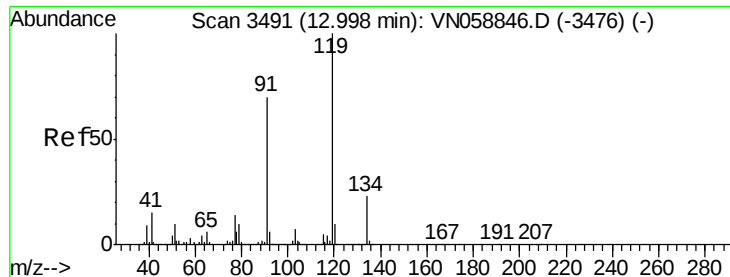
Tot Ion: 75 Resp: 39790
Ion Ratio Lower Upper
75 100
53 101.3 78.6 118.0
89 44.9 35.4 53.0



#82
4-Chlorotoluene
Concen: 19.494 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 91 Resp: 250397
Ion Ratio Lower Upper
91 100
126 32.3 16.0 47.9

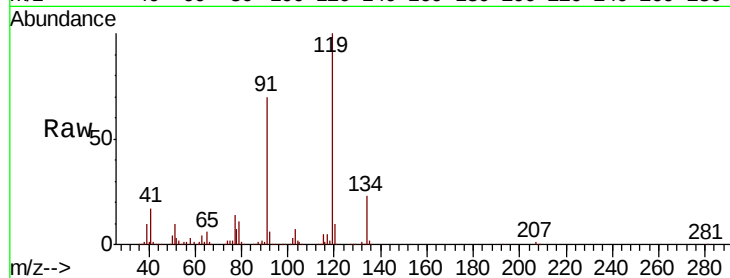




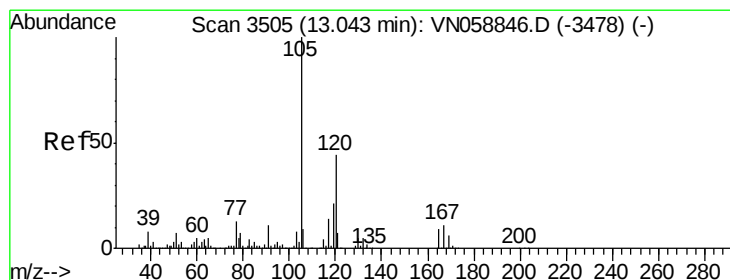
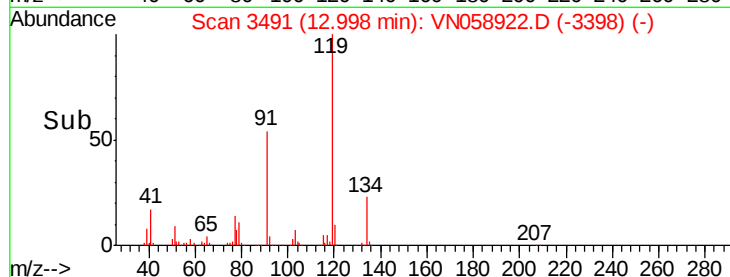
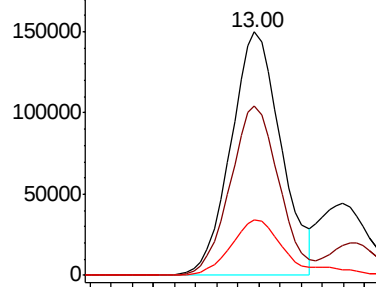
#83
tert-Butylbenzene
Concen: 19.829 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 247516
Ion Ratio Lower Upper
119 100
91 68.1 34.1 102.3
134 25.3 11.6 34.8

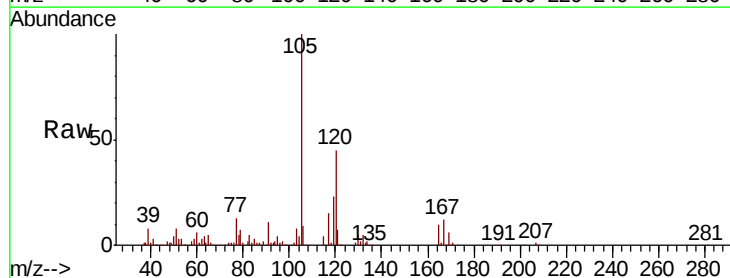


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

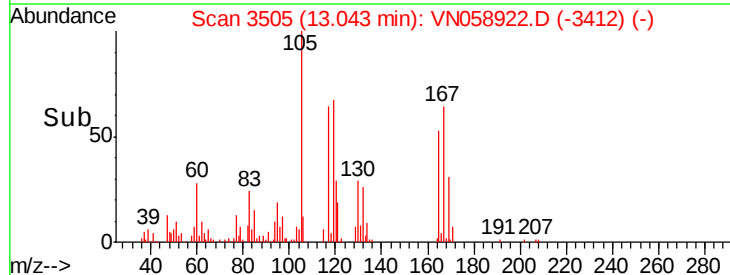
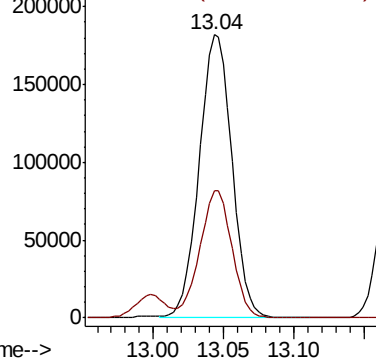


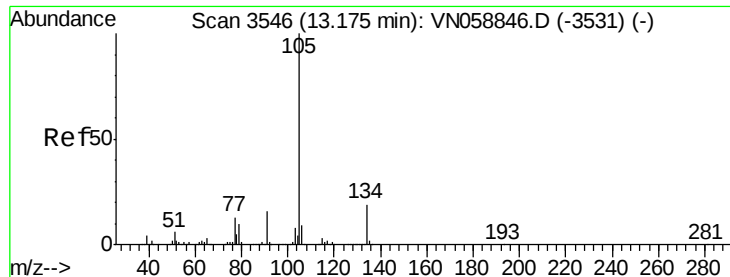
#84
1,2,4-Trimethylbenzene
Concen: 20.435 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion:105 Resp: 294219
Ion Ratio Lower Upper
105 100
120 44.4 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.181 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

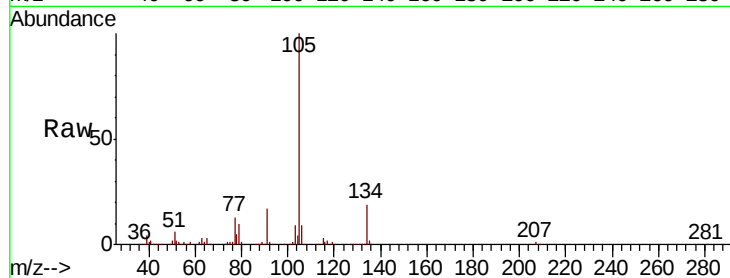
ClientSampleId :

Tot Ion:105 Resp: 335865

Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

200000

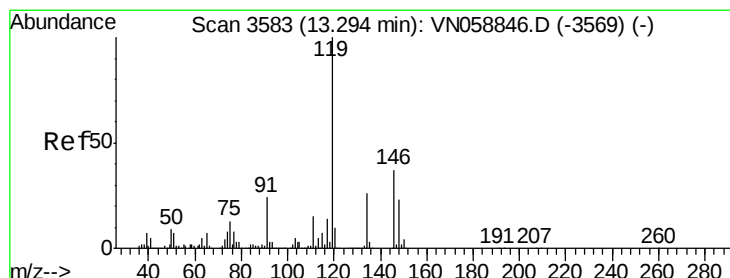
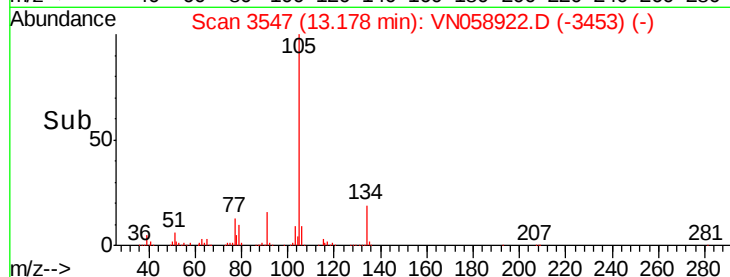
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.899 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

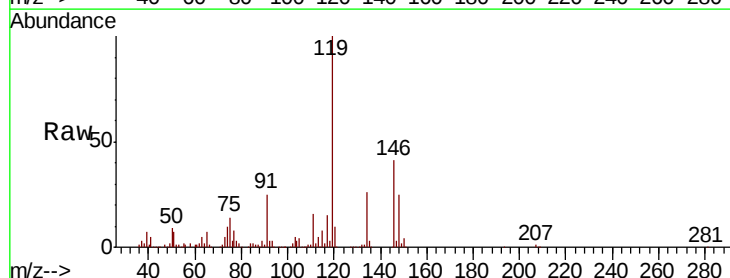
Tgt Ion:119 Resp: 292207

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.7 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

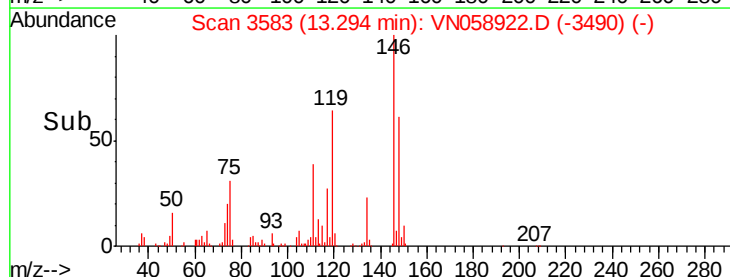
150000

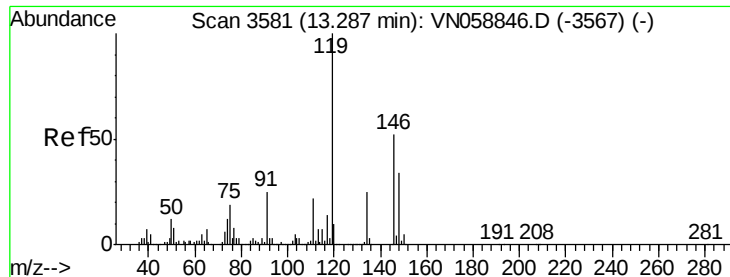
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.488 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

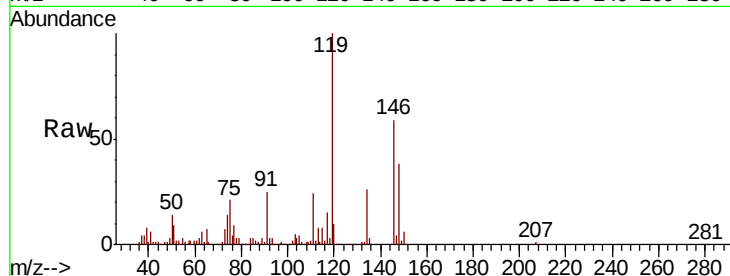
Tot Ion:146 Resp: 149227

Ion Ratio Lower Upper

146 100

111 40.6 21.0 63.0

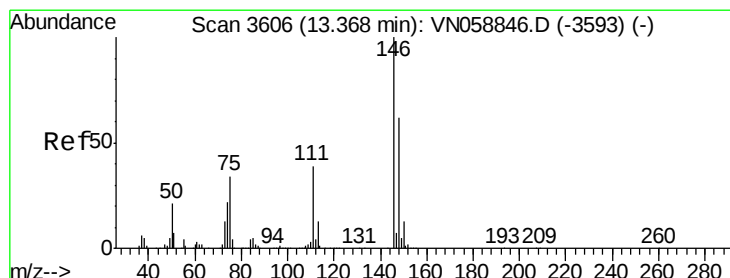
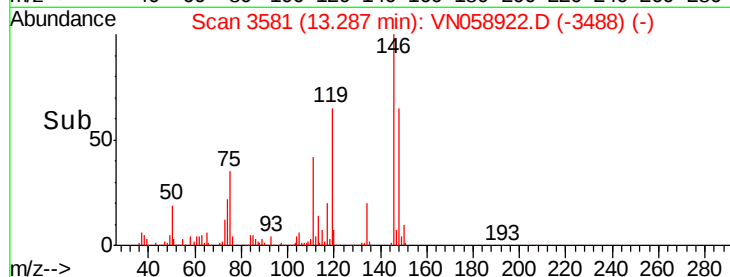
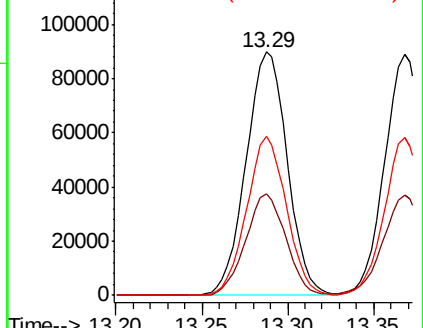
148 63.0 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 18.913 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

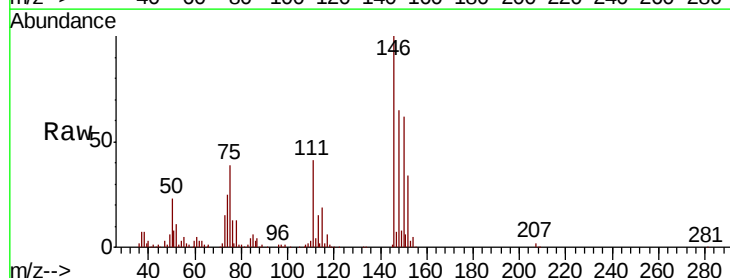
Tgt Ion:146 Resp: 144993

Ion Ratio Lower Upper

146 100

111 43.2 20.2 60.6

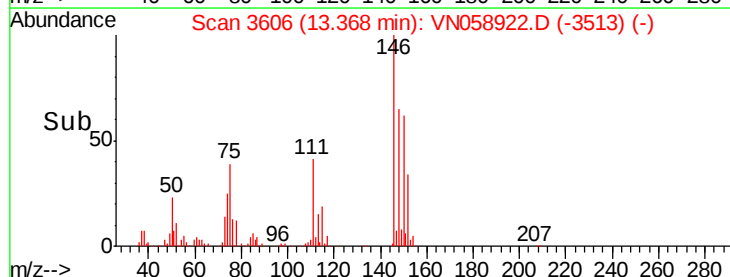
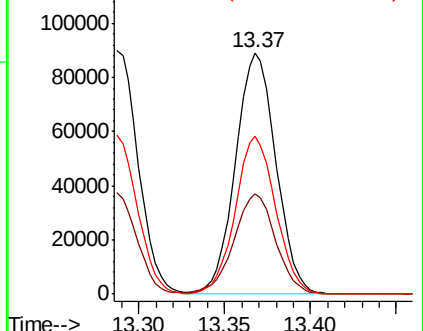
148 65.6 31.6 94.7

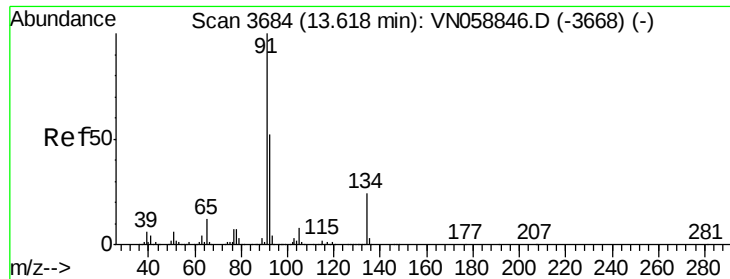


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

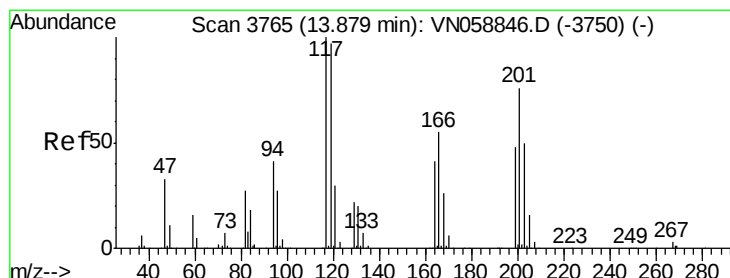
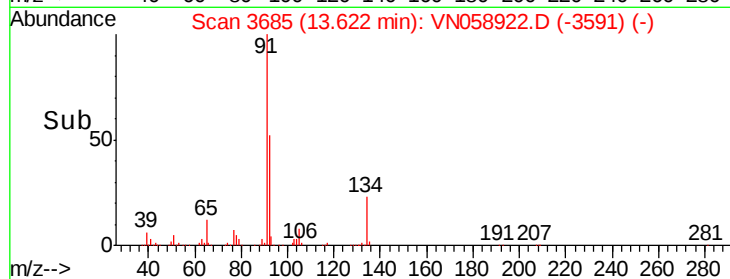
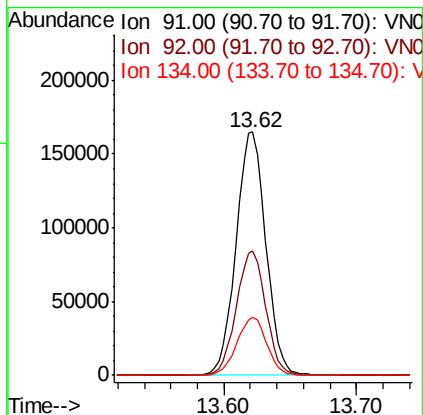
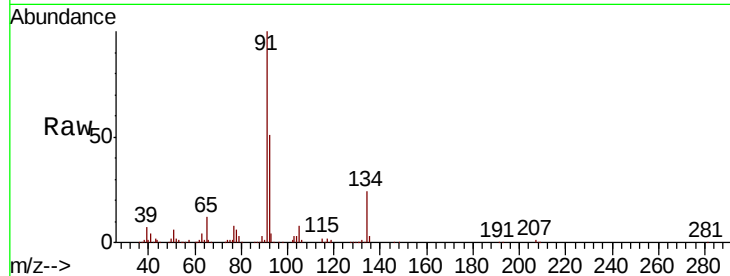




#89
n-Butylbenzene
Concen: 19.064 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

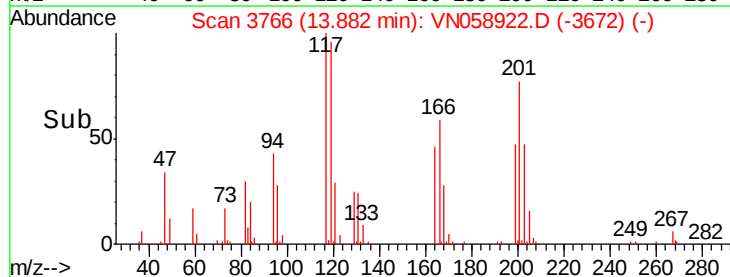
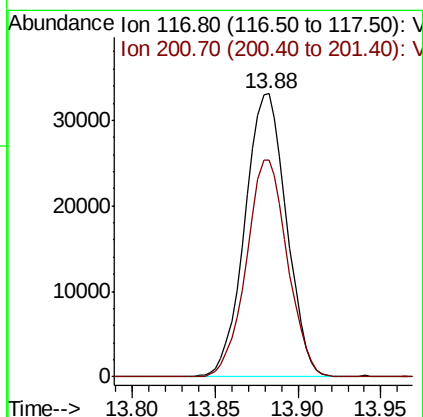
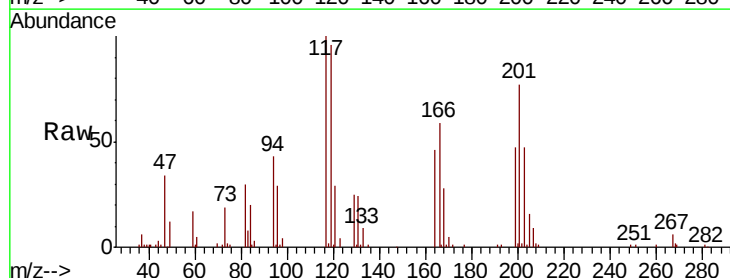
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 257168
Ion Ratio Lower Upper
91 100
92 50.5 25.7 77.1
134 23.9 11.9 35.5



#90
Hexachloroethane
Concen: 19.388 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058922.D
Acq: 23 Oct 2019 12:28

Tgt Ion: 117 Resp: 57692
Ion Ratio Lower Upper
117 100
201 75.5 38.9 116.6

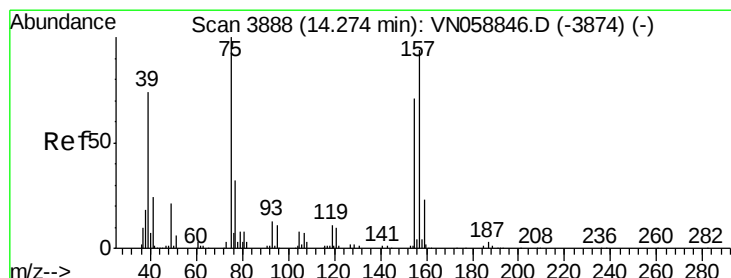
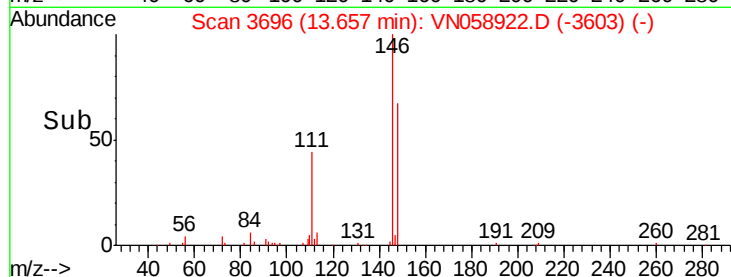
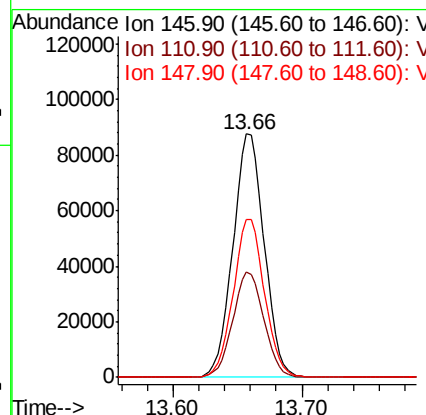
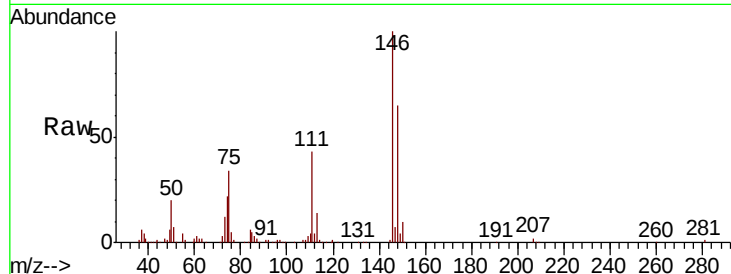




#91
 1,2-Dichlorobenzene
 Concen: 19.581 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

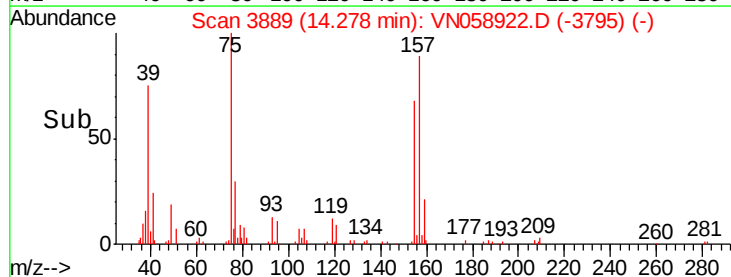
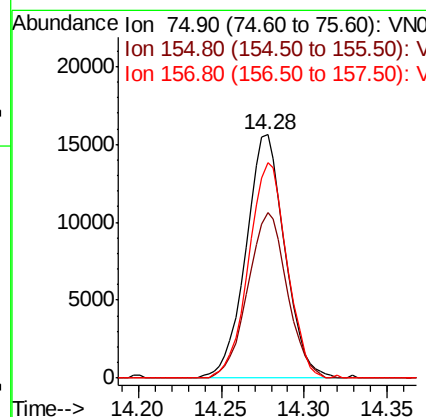
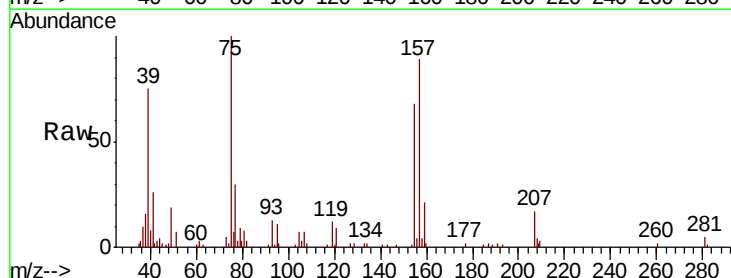
Instrument :
 MSVOA_N
 ClientSampled :

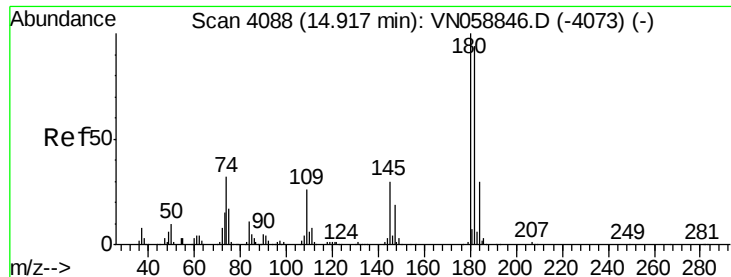
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	64.6	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.439 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.6	35.6	106.8
157	86.8	47.4	142.2

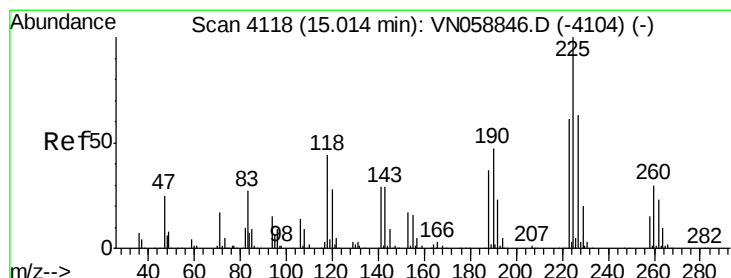
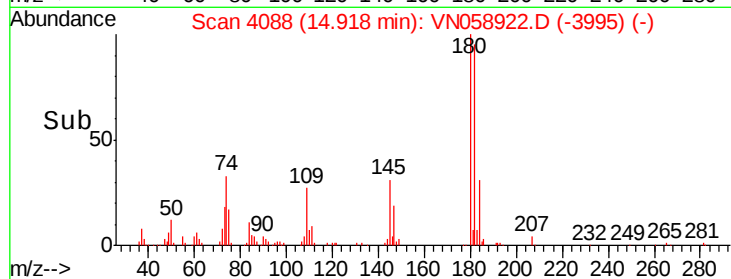
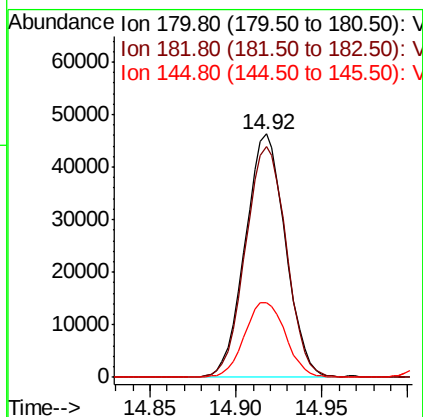
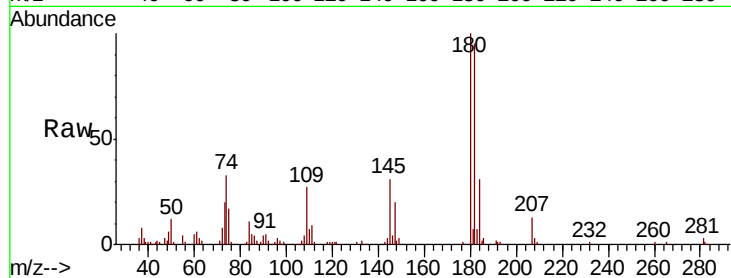




#93
 1,2,4-Trichlorobenzene
 Concen: 17.626 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

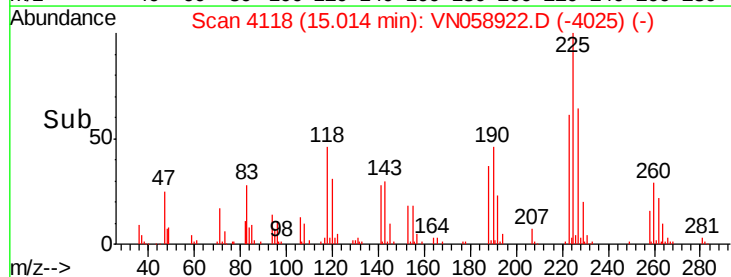
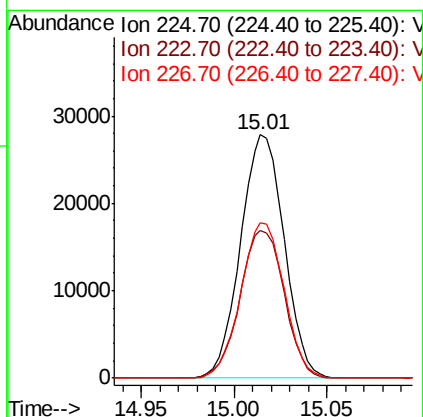
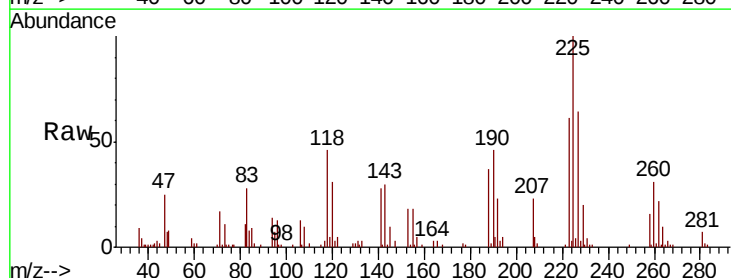
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 75366
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.3 142.0
 145 31.3 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 18.726 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058922.D
 Acq: 23 Oct 2019 12:28

Tgt Ion:225 Resp: 45679
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.9 92.5
 227 63.4 31.6 94.7





#95

Naphthalene

Concen: 16.860 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

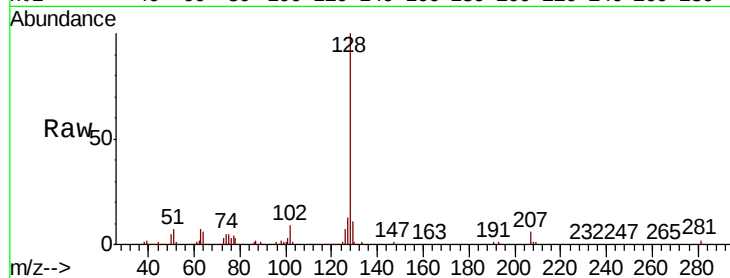
Tot Ion:128 Resp: 208562

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.6 8.4 12.6

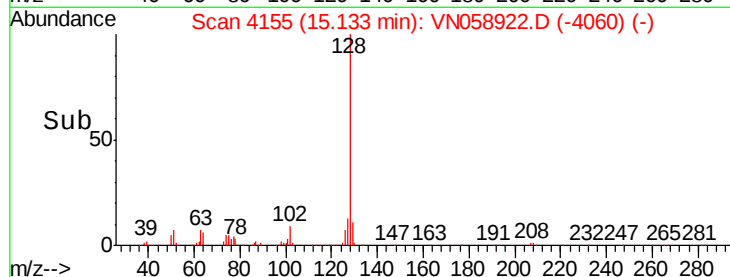


Abundance Ion 128.00 (127.70 to 128.70): V

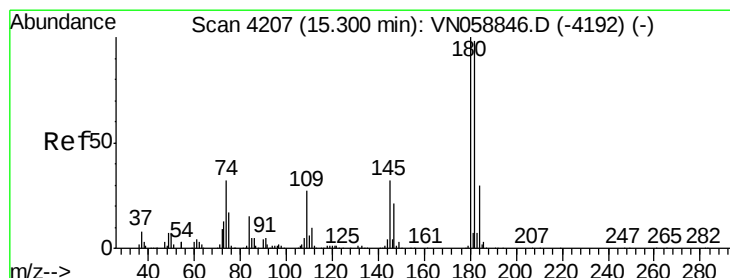
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



Time--> 15.05 15.10 15.15 15.20



#96

1,2,3-Trichlorobenzene

Concen: 18.085 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058922.D

Acq: 23 Oct 2019 12:28

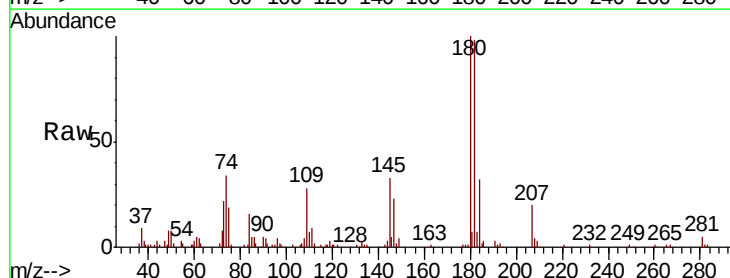
Tgt Ion:180 Resp: 76012

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 32.3 15.9 47.7

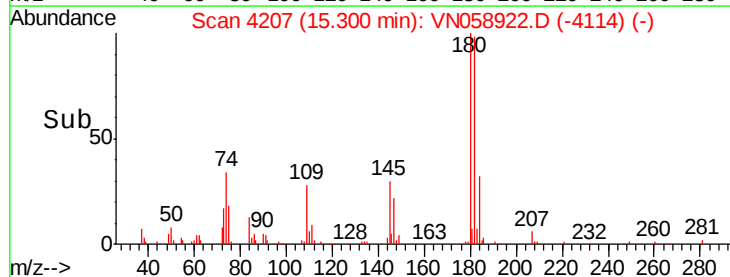


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.30



Time--> 15.25 15.30 15.35