

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058946.D
 Acq On : 24 Oct 2019 9:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:21:22 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	7.64	168	341662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	531353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	243459	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.57	113	176425	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.08	98	687383	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	260944	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	204650	48.042	ug/l	99
3) Chloromethane	2.04	50	237767	45.067	ug/l	98
4) Vinyl Chloride	2.17	62	240907	45.988	ug/l	99
5) Bromomethane	2.54	94	136049	41.474	ug/l	99
6) Chloroethane	2.68	64	157183	46.790	ug/l	99
7) Trichlorofluoromethane	2.99	101	322503	49.756	ug/l	99
8) Diethyl Ether	3.39	74	110029	49.123	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	174263	48.497	ug/l	99
10) Methyl Iodide	3.92	142	183529	38.834	ug/l	99
11) Tert butyl alcohol	4.75	59	206334	248.130	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	164282	48.775	ug/l	98
13) Acrolein	3.58	56	87686	153.467	ug/l	98
14) Allyl chloride	4.29	41	336691	49.401	ug/l	99
15) Acrylonitrile	4.95	53	542818	259.510	ug/l	99
16) Acetone	3.79	43	731220	295.306	ug/l	100
17) Carbon Disulfide	4.02	76	494009	45.532	ug/l	99
18) Methyl Acetate	4.29	43	279890	49.718	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	603098	51.137	ug/l	99
20) Methylene Chloride	4.52	84	199596	47.207	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	183862	49.430	ug/l	99
22) Diisopropyl ether	5.92	45	699769	52.492	ug/l	97
23) Vinyl Acetate	5.87	43	2947570	275.204	ug/l	100
24) 1,1-Dichloroethane	5.82	63	379155	49.050	ug/l	99
25) 2-Butanone	6.81	43	878592	273.339	ug/l	100
26) 2,2-Dichloropropane	6.80	77	331366	49.560	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	212004	49.893	ug/l	100
28) Bromochloromethane	7.17	49	127638	49.580	ug/l	99
29) Tetrahydrofuran	7.18	42	514544	261.682	ug/l	100
30) Chloroform	7.35	83	378155	48.770	ug/l	99
31) Cyclohexane	7.63	56	331099	45.978	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	324797	49.696	ug/l	100
36) 1,1-Dichloropropene	7.77	75	284040	52.214	ug/l	100
37) Ethyl Acetate	6.90	43	321908	54.308	ug/l	100
38) Carbon Tetrachloride	7.75	117	281636	50.254	ug/l	98

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 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)
39) Methylcyclohexane	9.07	83	310407	50.818	ug/l	98
40) Benzene	8.02	78	831174	52.032	ug/l	99
41) Methacrylonitrile	7.18	41	467322	177.018	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	316727	51.471	ug/l	100
43) Isopropyl Acetate	8.14	43	502509	52.861	ug/l	100
44) Trichloroethene	8.82	130	200837	51.612	ug/l	98
45) 1,2-Dichloropropane	9.10	63	227890	52.025	ug/l	96
46) Dibromomethane	9.19	93	144823	52.298	ug/l	100
47) Bromodichloromethane	9.39	83	304128	53.286	ug/l	100
48) Methyl methacrylate	9.18	41	238305	55.252	ug/l	99
49) 1,4-Dioxane	9.19	88	83985	1186.196	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1622425	292.192	ug/l	100
52) Toluene	10.15	92	512308	54.081	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	340185	53.842	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	362519	53.704	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	202755	51.956	ug/l	98
56) Ethyl methacrylate	10.42	69	319149	48.741	ug/l	99
57) 1,3-Dichloropropane	10.70	76	360832	52.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	698313	252.220	ug/l	100
59) 2-Hexanone	10.75	43	1292239	301.174	ug/l	99
60) Dibromochloromethane	10.90	129	227529	54.168	ug/l	98
61) 1,2-Dibromoethane	11.00	107	212389	53.181	ug/l	99
64) Tetrachloroethene	10.63	164	178143	50.324	ug/l	97
65) Chlorobenzene	11.43	112	541668	52.637	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	205846	53.009	ug/l	99
67) Ethyl Benzene	11.51	91	996048	55.176	ug/l	98
68) m/p-Xylenes	11.62	106	747348	111.635	ug/l	99
69) o-Xylene	11.95	106	346925	54.336	ug/l	100
70) Styrene	11.96	104	600596	50.928	ug/l	99
71) Bromoform	12.13	173	159953	53.119	ug/l #	99
73) Isopropylbenzene	12.25	105	967857	51.130	ug/l	99
74) N-amyl acetate	12.07	43	453776	52.877	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	322994	48.527	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	441503	73.547	ug/l #	100
77) Bromobenzene	12.53	156	231682	49.656	ug/l	99
78) n-propylbenzene	12.59	91	1179230	52.703	ug/l	100
79) 2-Chlorotoluene	12.68	91	689358	50.338	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	845391	53.156	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113536	49.270	ug/l	98
82) 4-Chlorotoluene	12.78	91	721912	51.584	ug/l	100
83) tert-Butylbenzene	13.00	119	698574	51.365	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	864988	55.141	ug/l	100
85) sec-Butylbenzene	13.17	105	972866	53.654	ug/l	100
86) p-Isopropyltoluene	13.29	119	892782	55.802	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	435183	52.163	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	428500	51.301	ug/l	99
89) n-Butylbenzene	13.62	91	802809	54.624	ug/l	100
90) Hexachloroethane	13.88	117	162977	50.271	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	429070	52.327	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72300	48.026	ug/l	97

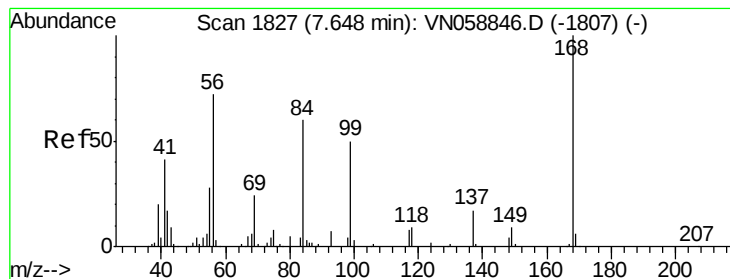
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	248337	48.205	ug/l	100
94) Hexachlorobutadiene	15.01	225	129809	48.843	ug/l	98
95) Naphthalene	15.13	128	690817	46.716	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	241684	48.185	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

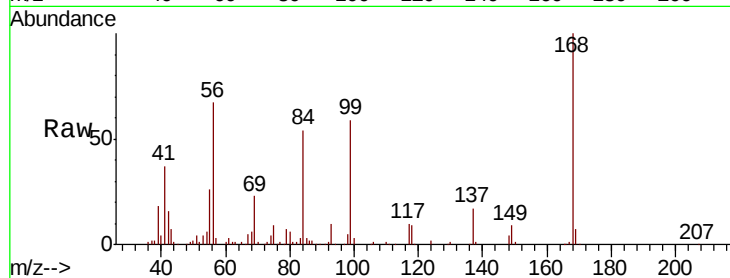
ClientSampled :

Tot Ion:168 Resp: 341662

Ion Ratio Lower Upper

168 100

99 59.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

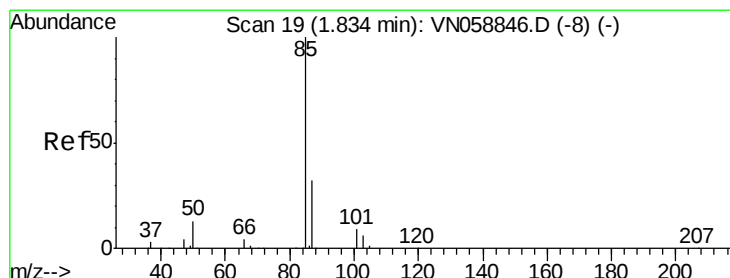
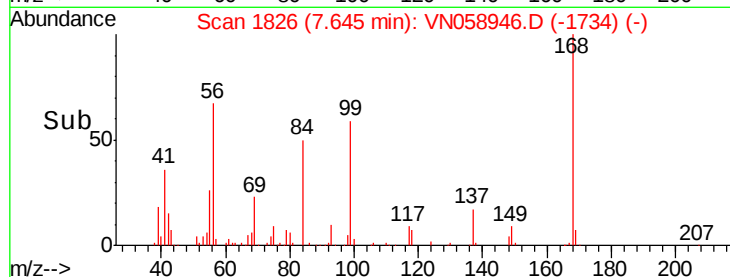
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.042 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058946.D

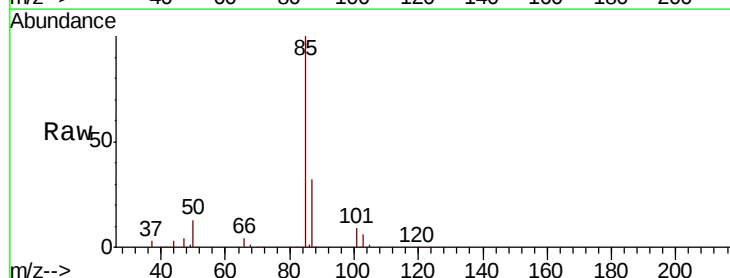
Acq: 24 Oct 2019 9:27

Tgt Ion: 85 Resp: 204650

Ion Ratio Lower Upper

85 100

87 31.9 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

150000

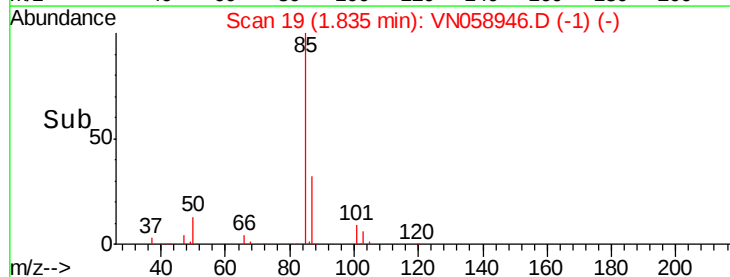
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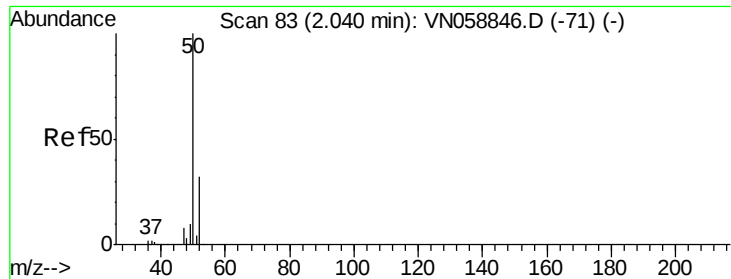
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.067 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

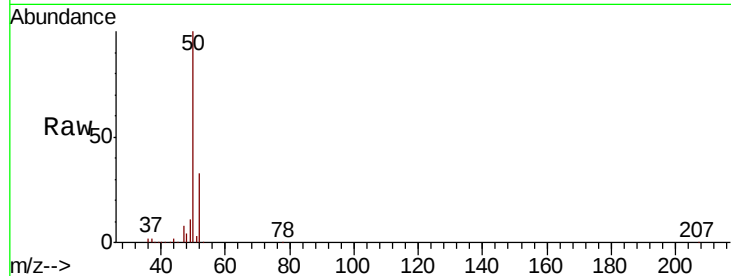
ClientSampleId :

Tot Ion: 50 Resp: 237767

Ion Ratio Lower Upper

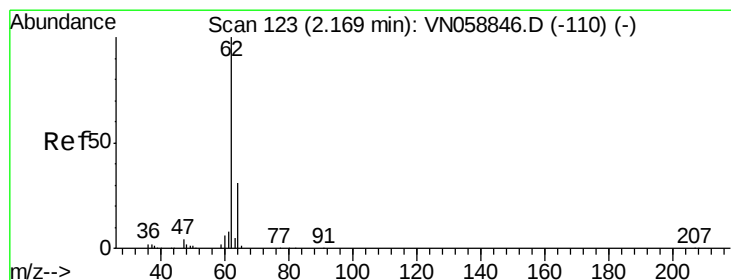
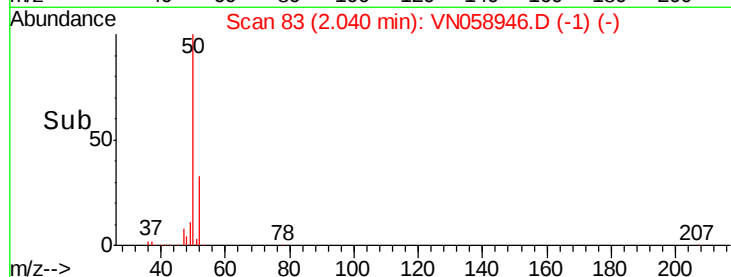
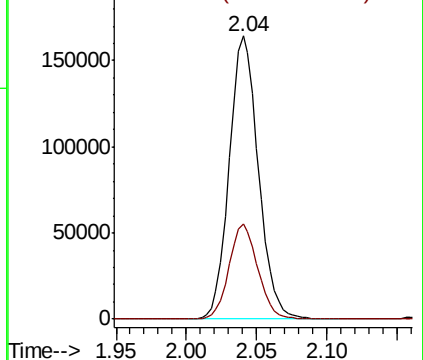
50 100

52 33.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.988 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058946.D

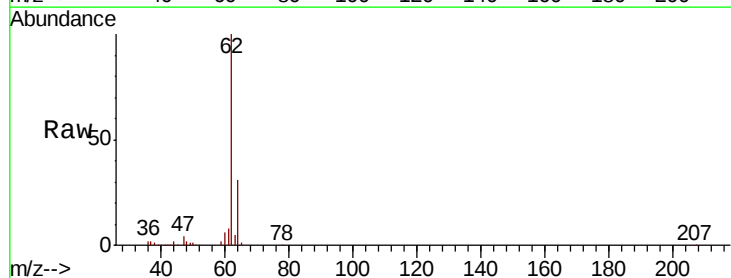
Acq: 24 Oct 2019 9:27

Tgt Ion: 62 Resp: 240907

Ion Ratio Lower Upper

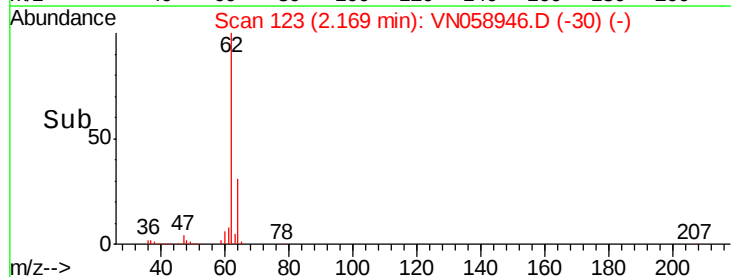
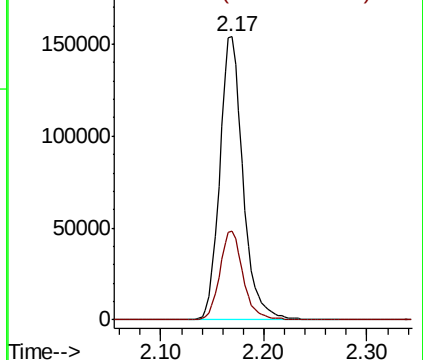
62 100

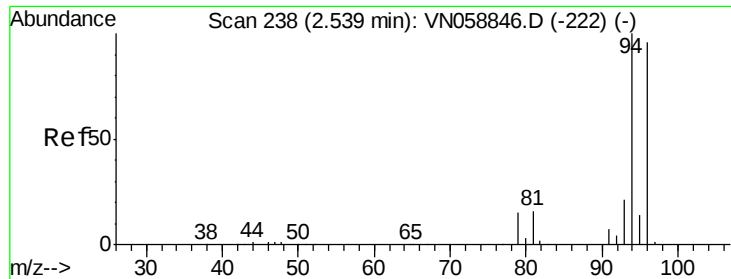
64 31.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

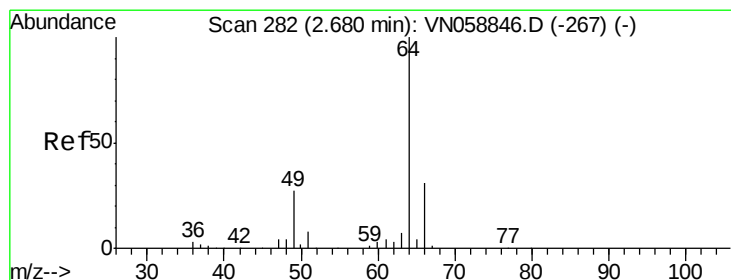
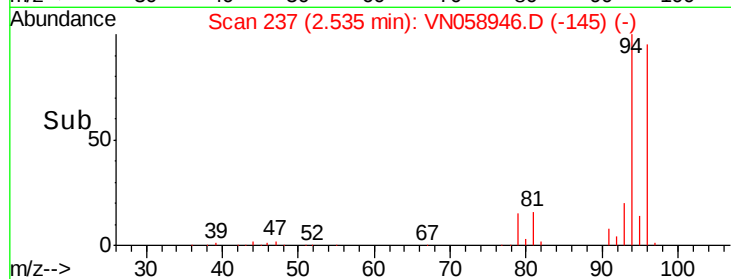
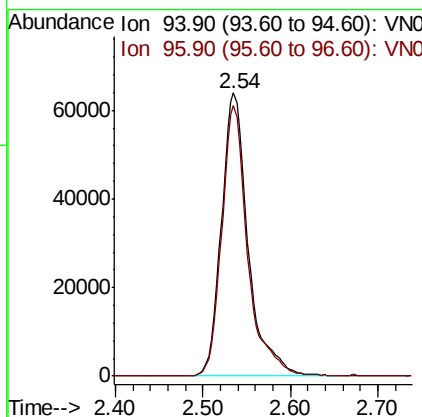
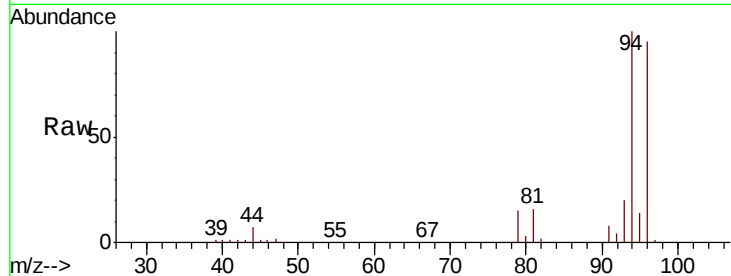




#5
Bromomethane
Concen: 41.474 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

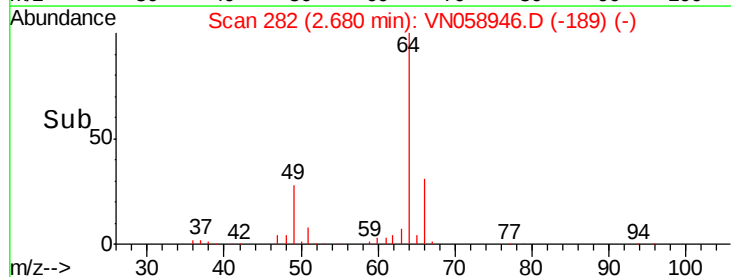
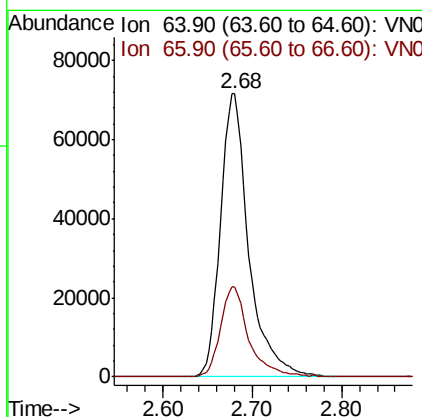
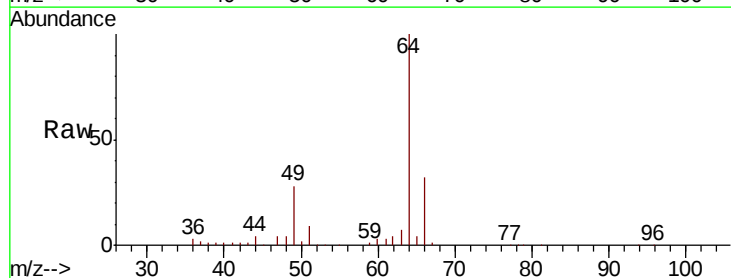
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 136049
Ion Ratio Lower Upper
94 100
96 95.4 77.0 115.6



#6
Chloroethane
Concen: 46.790 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 64 Resp: 157183
Ion Ratio Lower Upper
64 100
66 31.7 25.0 37.4



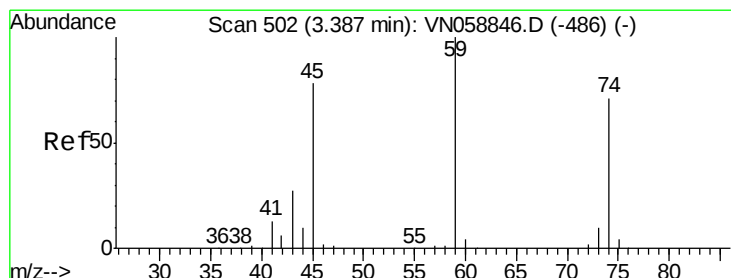
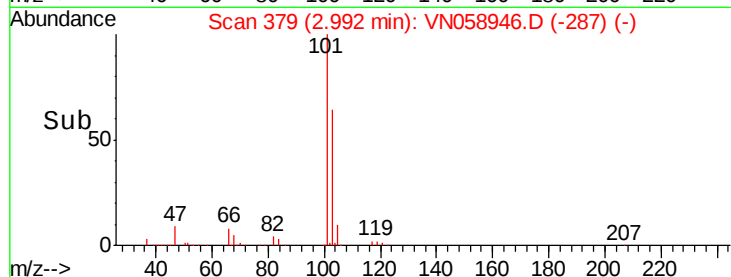
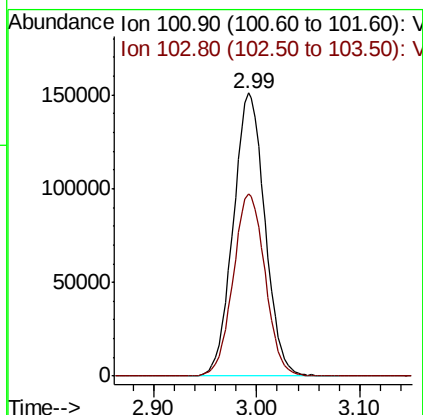
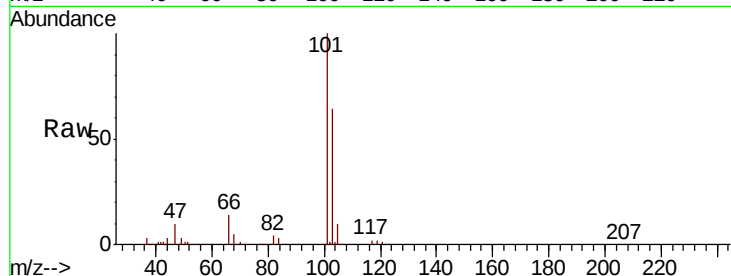


#7

Trichlorofluoromethane
 Concen: 49.756 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :

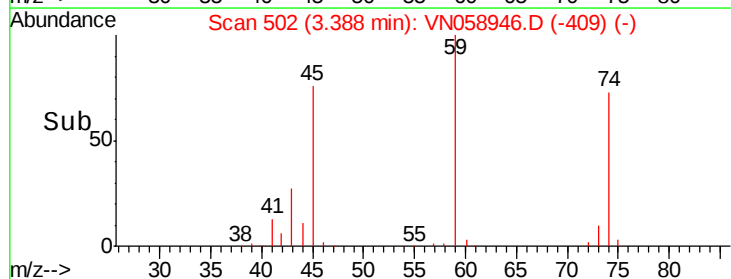
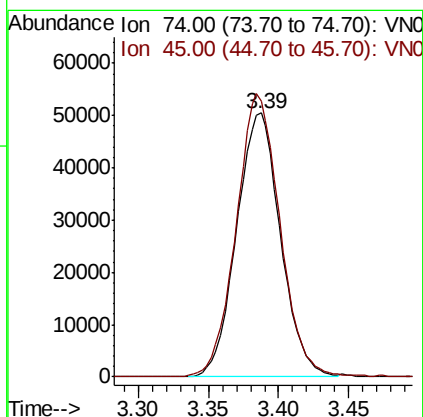
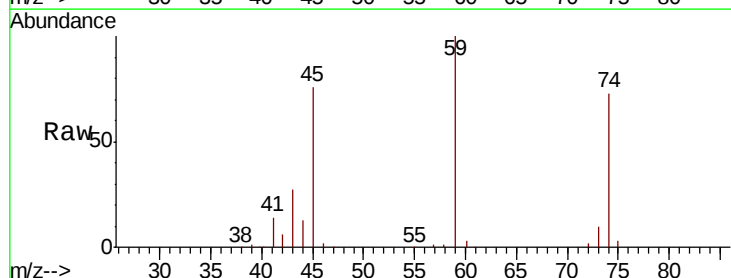
Tot Ion:101 Resp: 322503
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.2 78.2

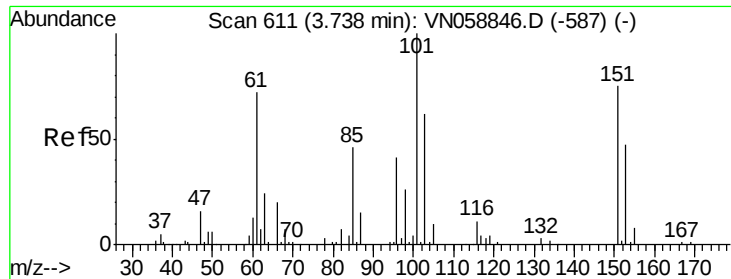


#8

Diethyl Ether
 Concen: 49.123 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion: 74 Resp: 110029
 Ion Ratio Lower Upper
 74 100
 45 107.0 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.497 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

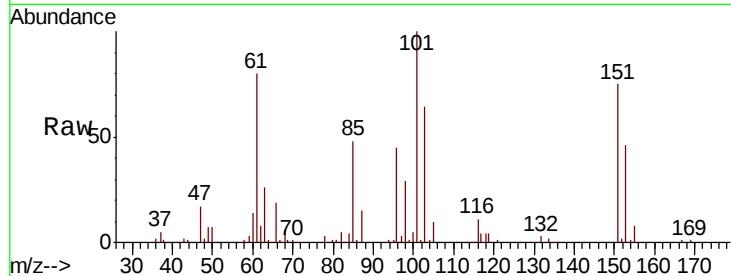
Tot Ion:101 Resp: 174263

Ion Ratio Lower Upper

101 100

85 46.3 37.2 55.8

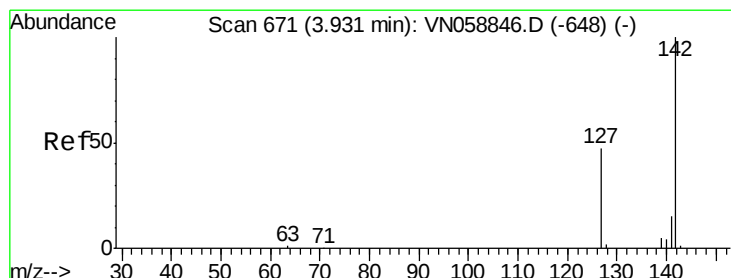
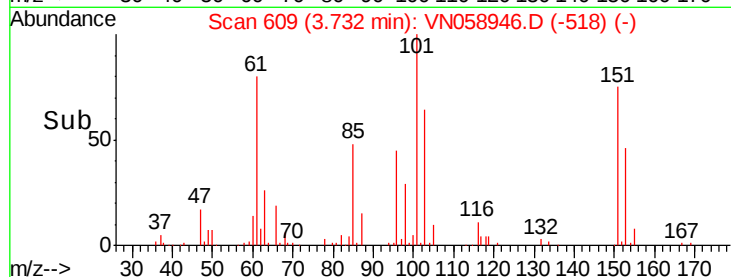
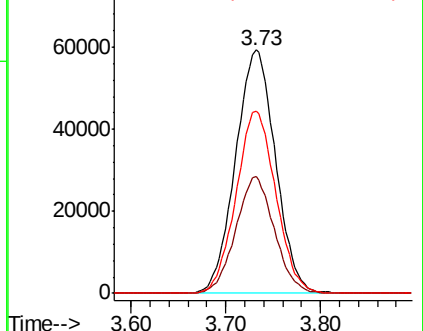
151 74.4 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 38.834 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

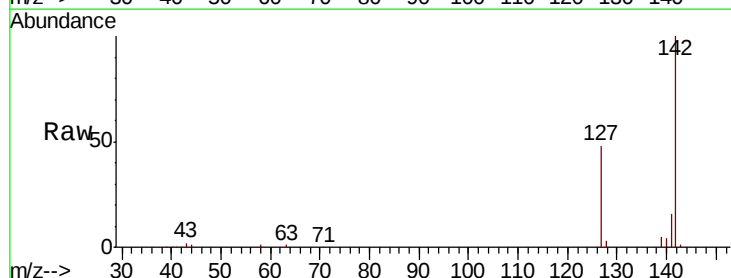
Tgt Ion:142 Resp: 183529

Ion Ratio Lower Upper

142 100

127 46.3 36.6 54.8

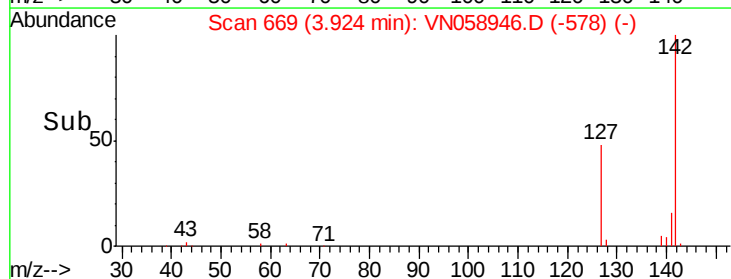
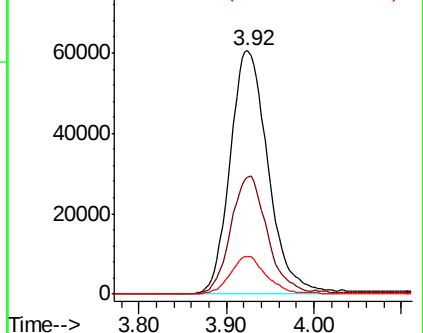
141 14.7 11.4 17.2

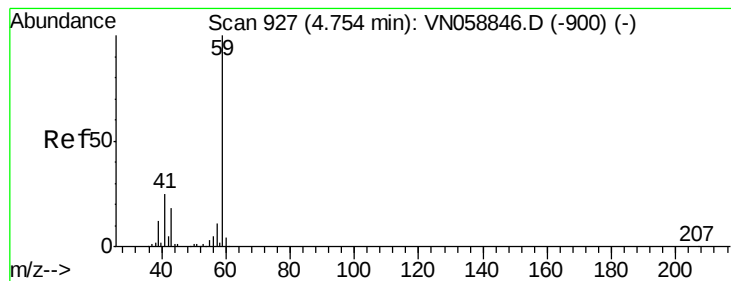


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



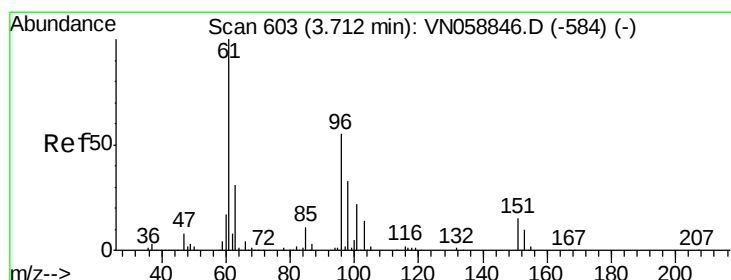
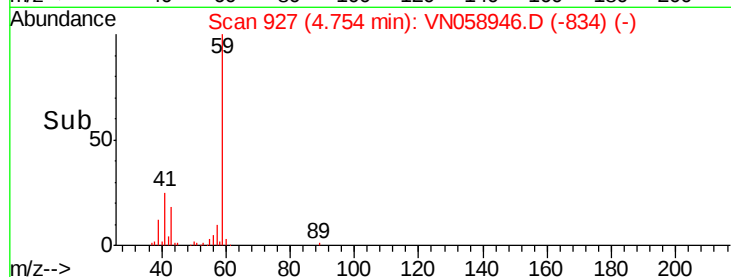
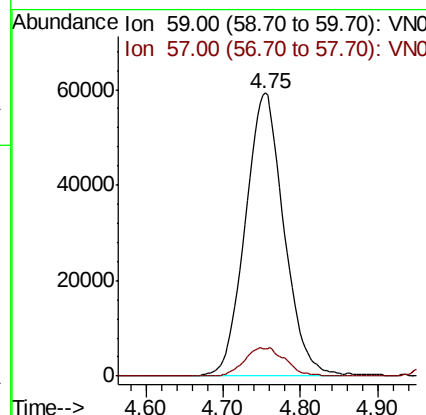
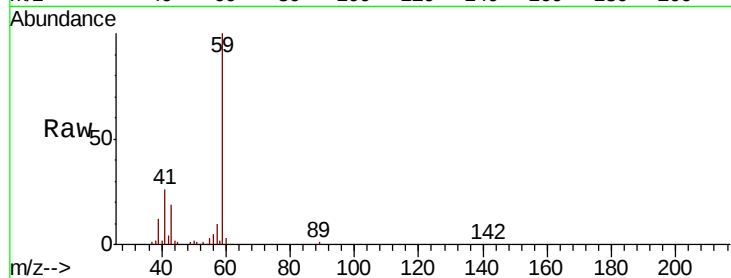


#11

Tert butyl alcohol
Concen: 248.130 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :

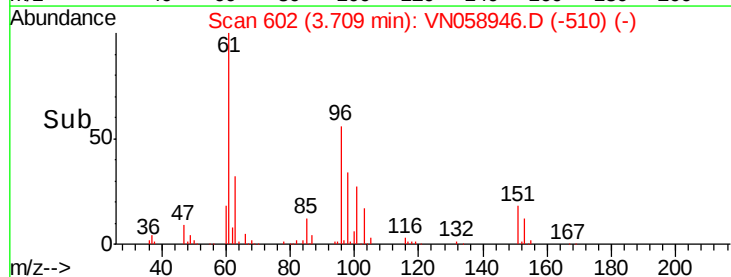
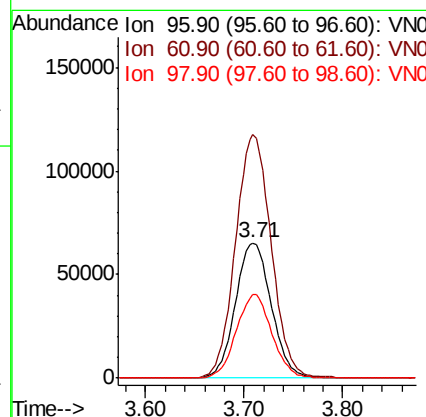
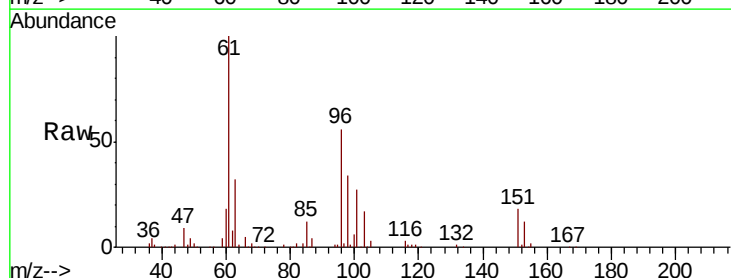
Tot Ion: 59 Resp: 206334
Ion Ratio Lower Upper
59 100
57 5.4 8.6 12.8#

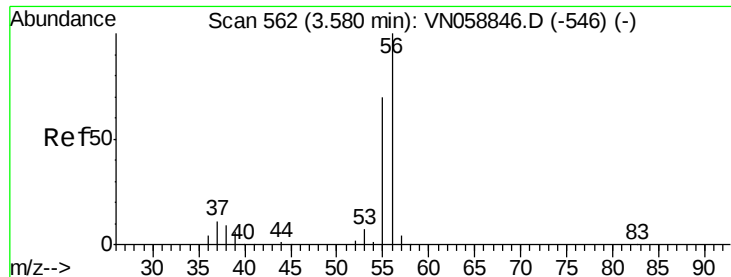


#12

1,1-Dichloroethene
Concen: 48.775 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 96 Resp: 164282
Ion Ratio Lower Upper
96 100
61 179.8 146.2 219.2
98 61.7 48.7 73.1





#13

Acrolein

Concen: 153.467 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

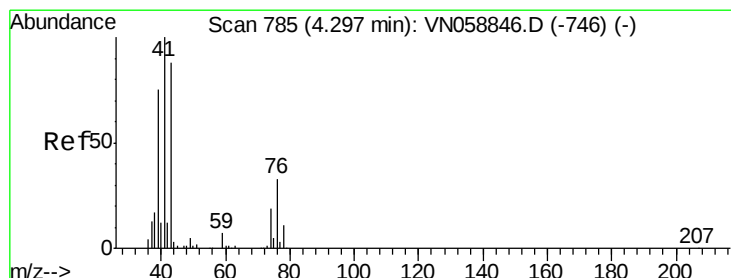
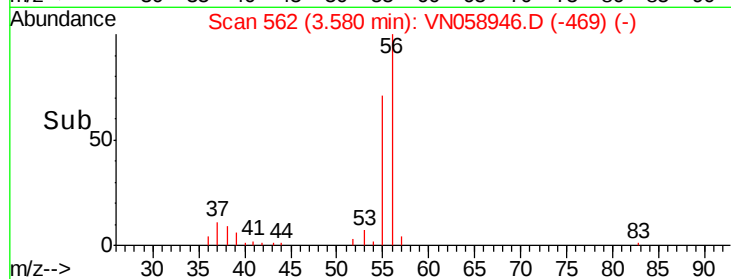
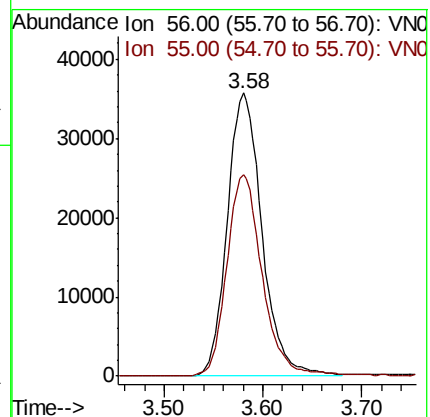
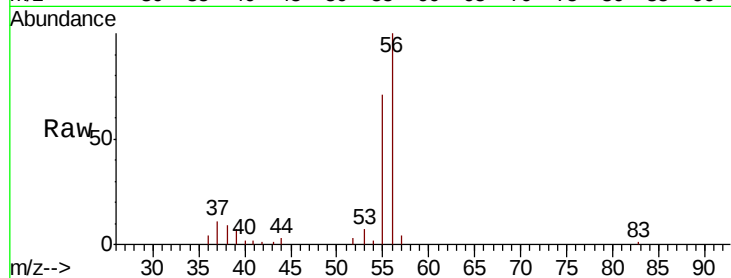
ClientSampled :

Tot Ion: 56 Resp: 87686

Ion Ratio Lower Upper

56 100

55 72.4 56.6 85.0



#14

Allyl chloride

Concen: 49.401 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

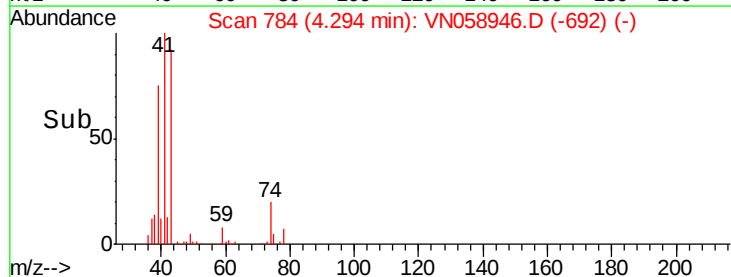
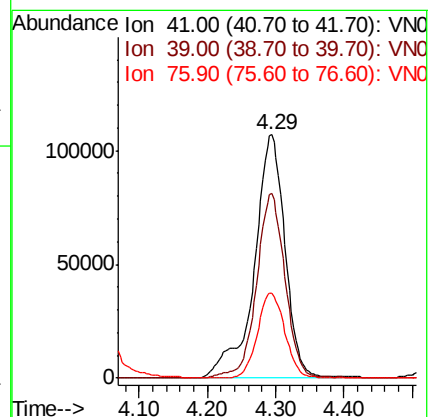
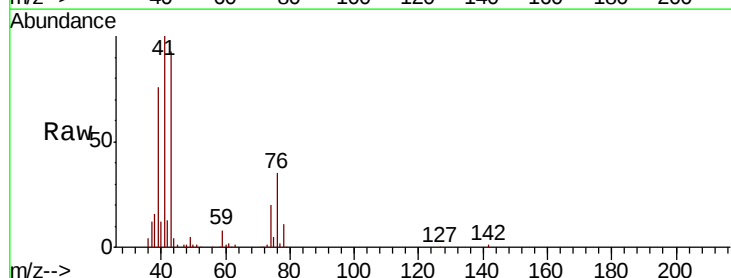
Tgt Ion: 41 Resp: 336691

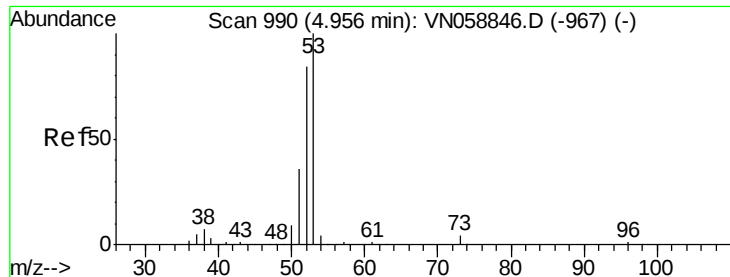
Ion Ratio Lower Upper

41 100

39 70.1 55.9 83.9

76 31.0 24.1 36.1





#15

Acrylonitrile

Concen: 259.510 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

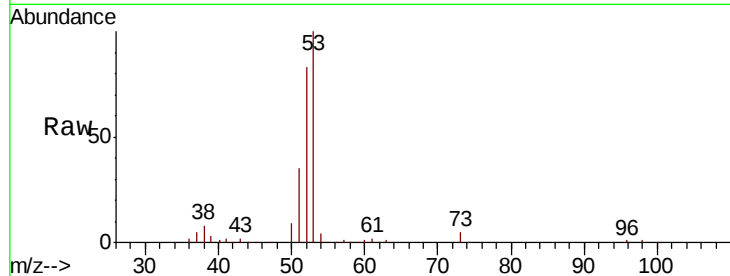
Tot Ion: 53 Resp: 542818

Ion Ratio Lower Upper

53 100

52 82.6 66.6 99.8

51 36.8 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)

4.95

200000

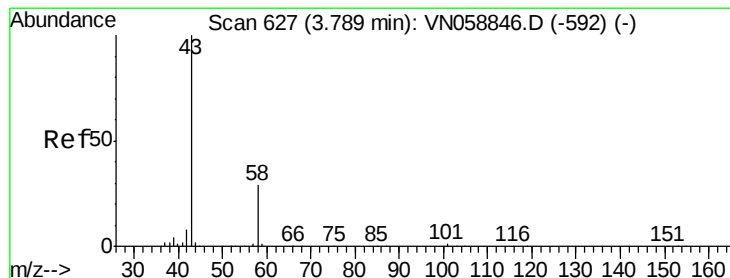
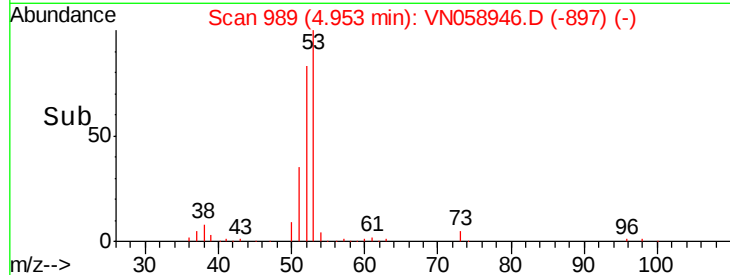
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 295.306 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN058946.D

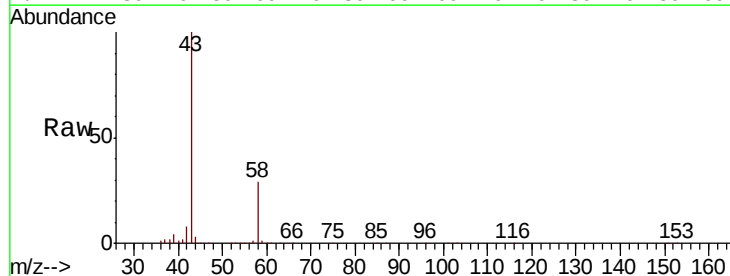
Acq: 24 Oct 2019 9:27

Tgt Ion: 43 Resp: 731220

Ion Ratio Lower Upper

43 100

58 28.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)

3.79

300000

250000

200000

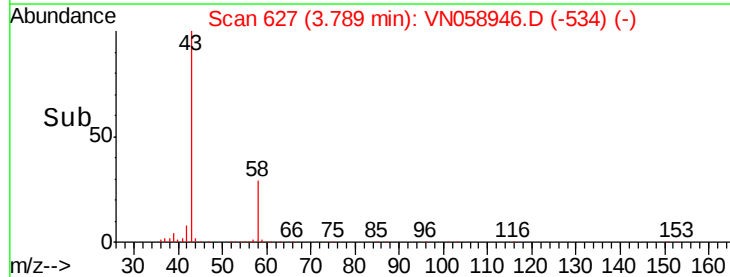
150000

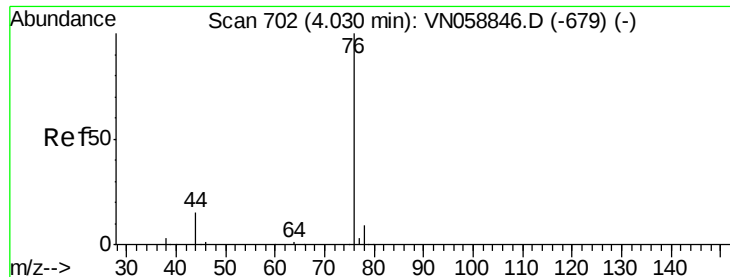
100000

50000

0

Time-->

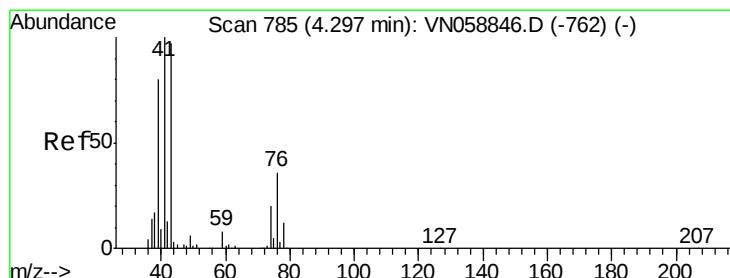
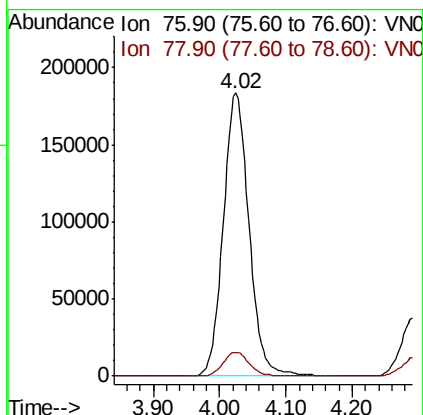
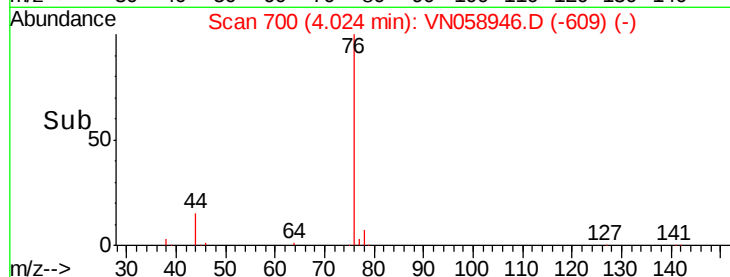
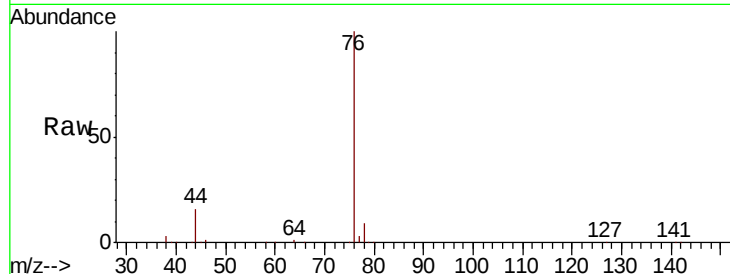




#17
Carbon Disulfide
Concen: 45.532 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.01 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

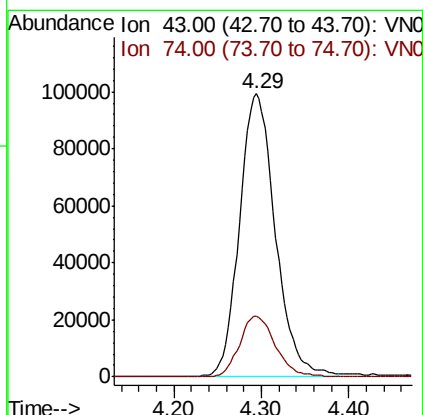
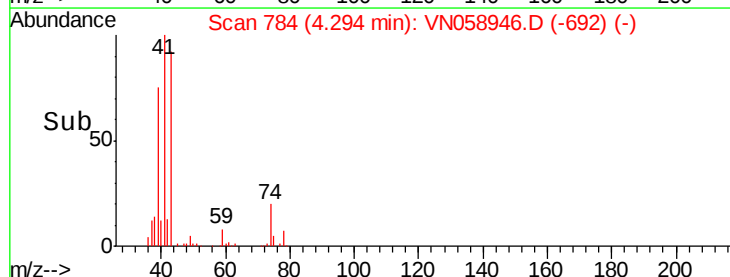
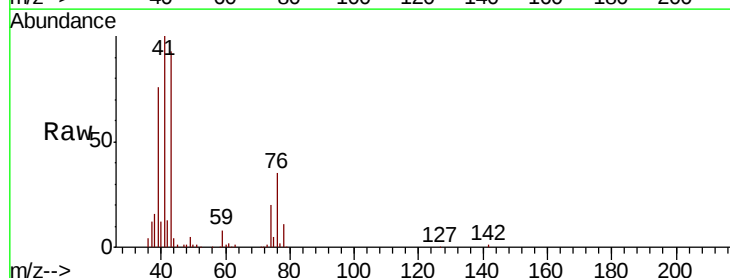
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 494009
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 49.718 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 43 Resp: 279890
Ion Ratio Lower Upper
43 100
74 21.6 17.1 25.7

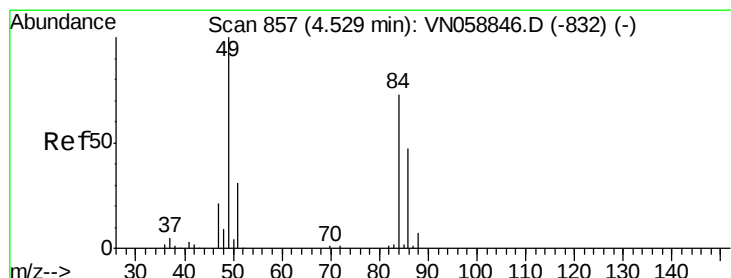
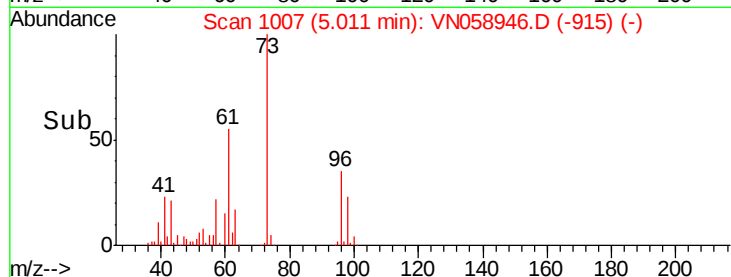
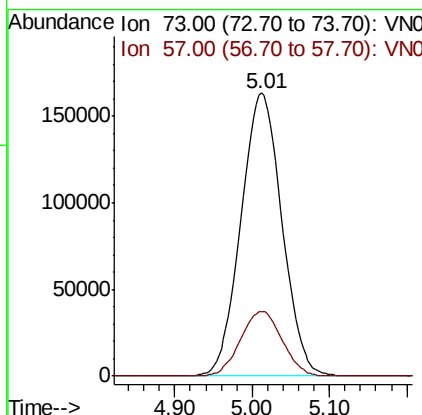
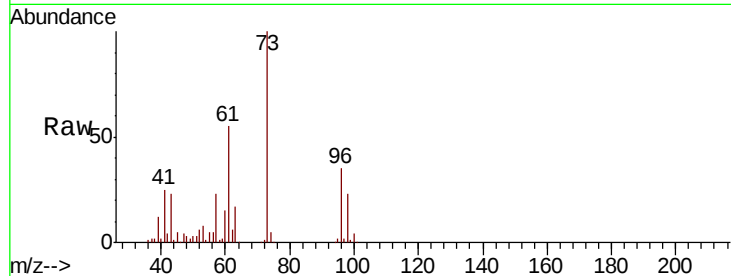




#19
Methvl tert-butvl Ether
Concen: 51.137 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

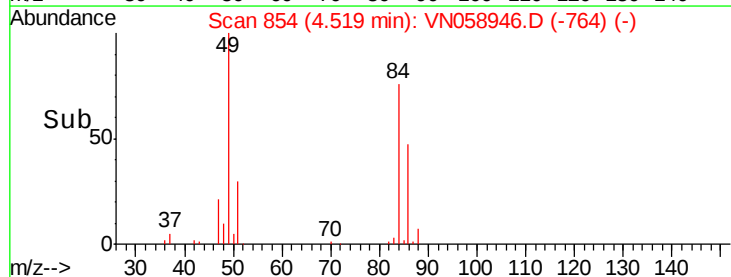
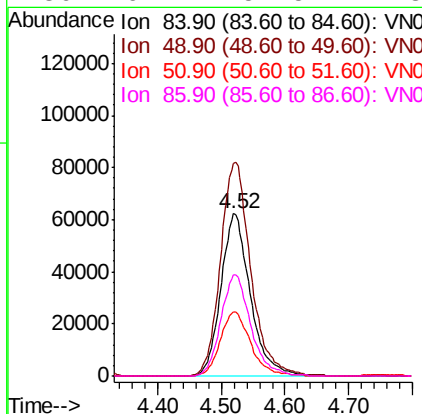
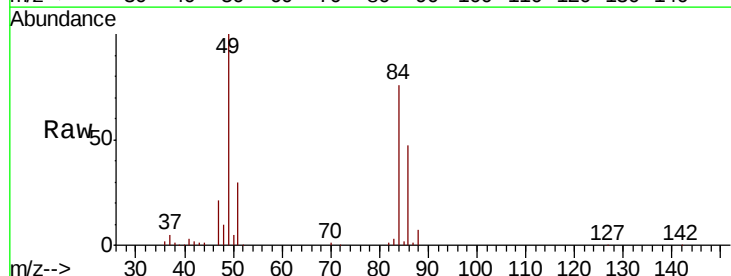
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 603098
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9



#20
Methylene Chloride
Concen: 47.207 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 84 Resp: 199596
Ion Ratio Lower Upper
84 100
49 130.8 109.6 164.4
51 39.5 33.8 50.6
86 62.1 51.5 77.3

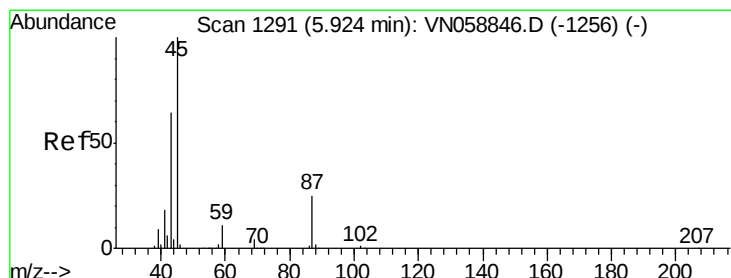
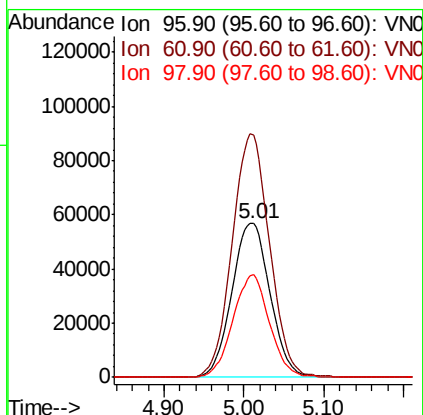
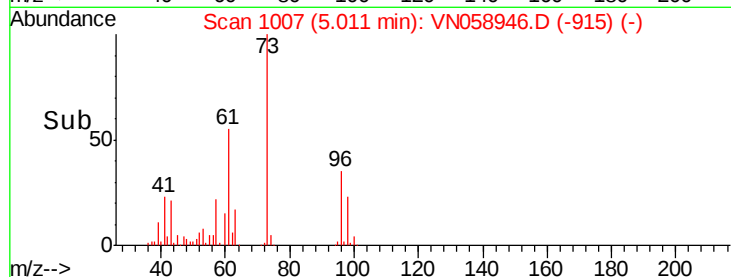
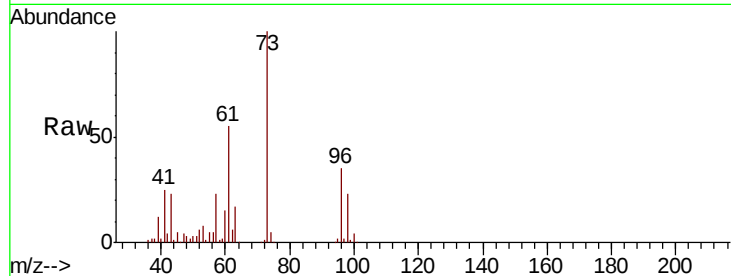




#21
trans-1,2-Dichloroethene
Concen: 49.430 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

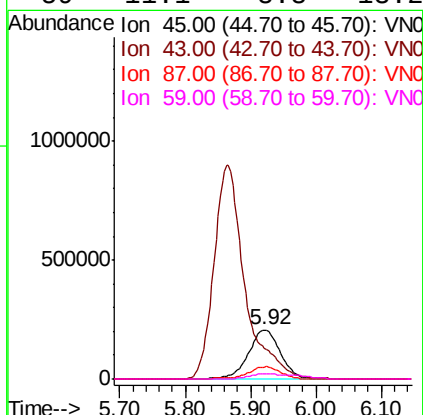
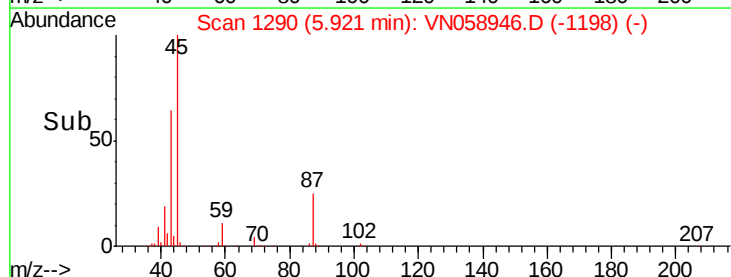
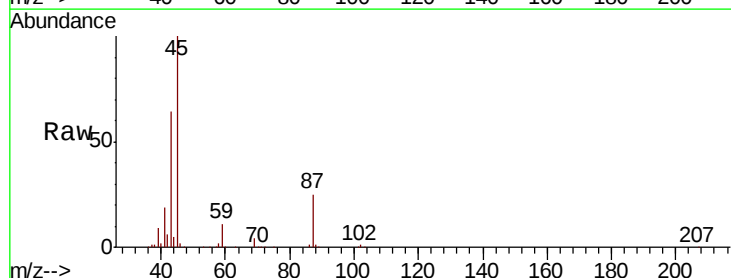
Instrument :
MSVOA_N
ClientSampled :

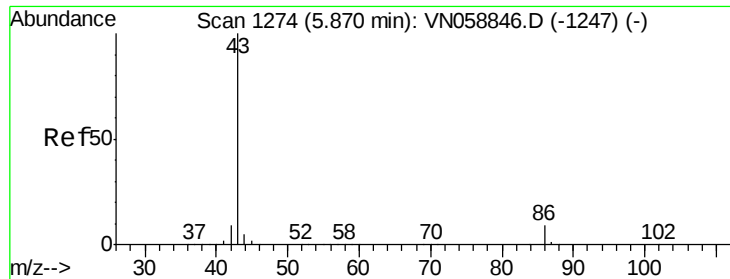
Tot Ion: 96 Resp: 183862
Ion Ratio Lower Upper
96 100
61 157.9 126.7 190.1
98 66.5 52.0 78.0



#22
Diisopropyl ether
Concen: 52.492 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 45 Resp: 699769
Ion Ratio Lower Upper
45 100
43 62.7 52.9 79.3
87 24.7 20.2 30.4
59 11.1 8.8 13.2

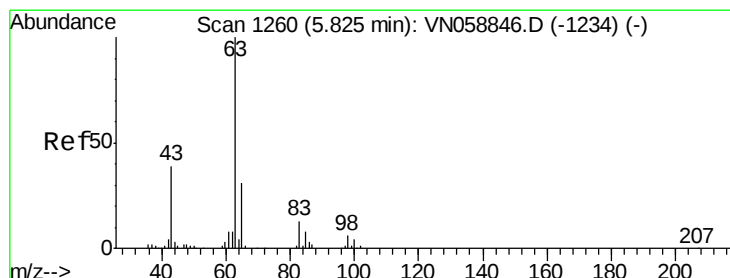
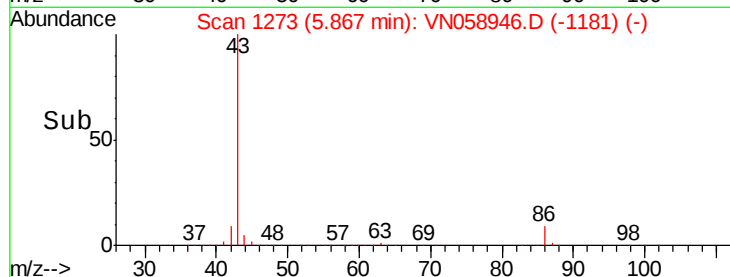
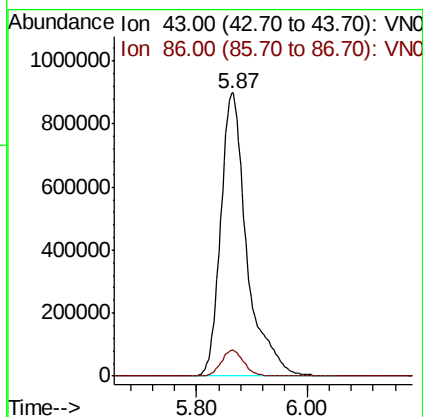
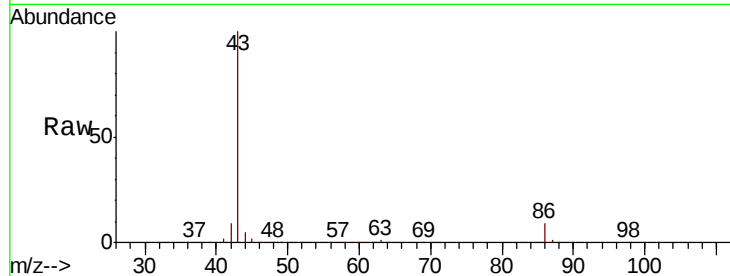




#23
 Vinyl Acetate
 Concen: 275.204 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

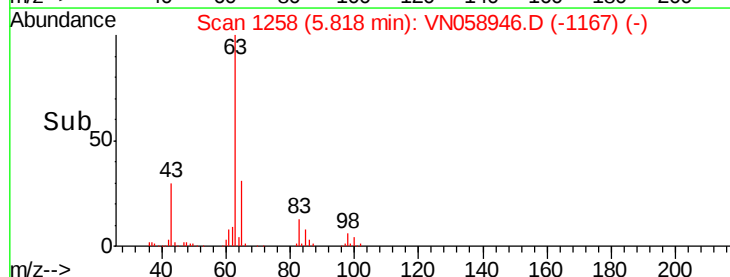
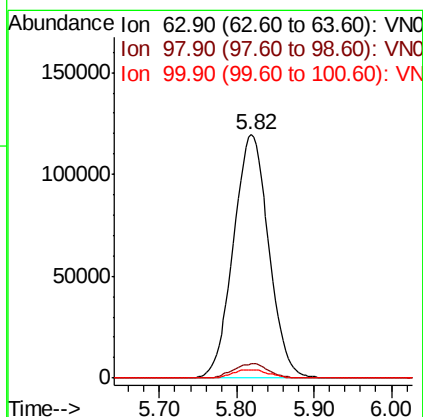
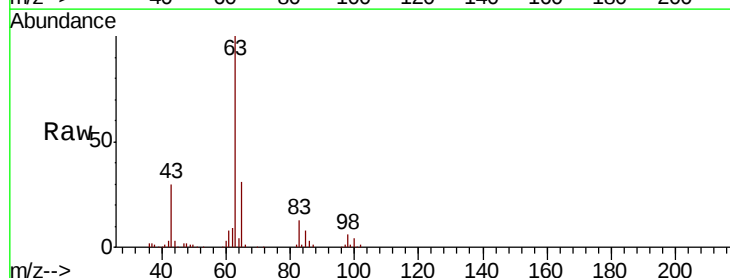
Instrument :
 MSVOA_N
 ClientSampled :

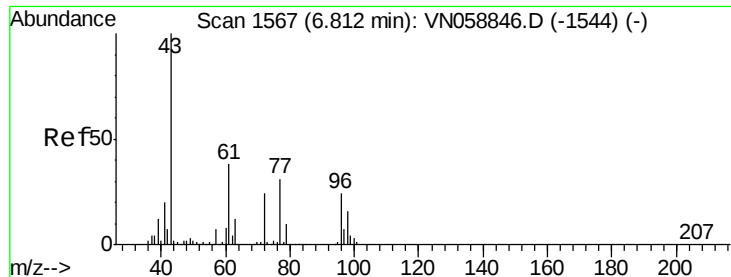
Tot Ion: 43 Resp: 2947570
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 49.050 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion: 63 Resp: 379155
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 273.339 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

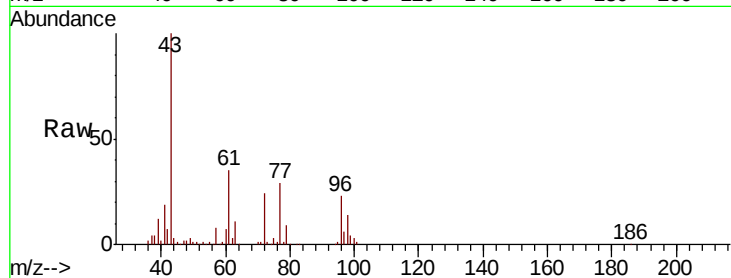
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 878592

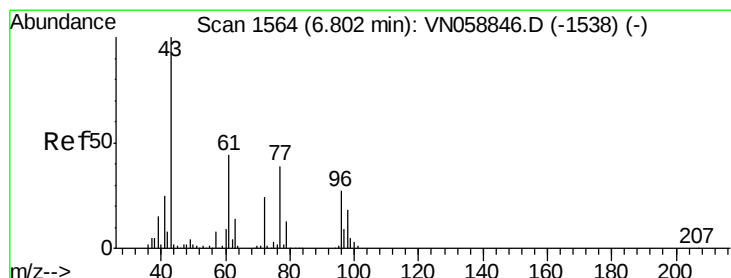
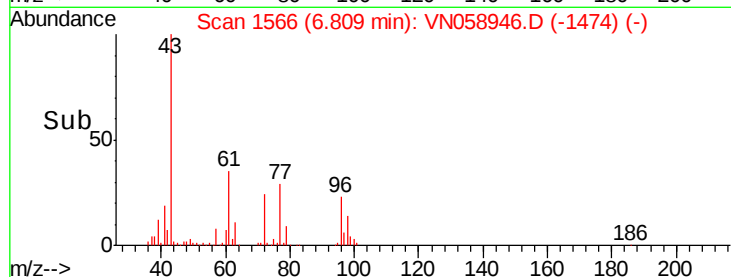
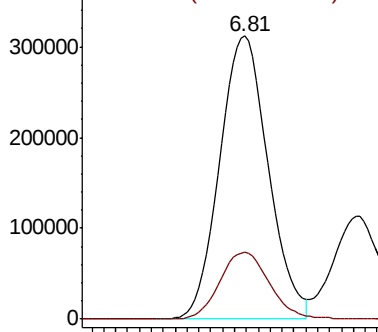
Ion Ratio Lower Upper

43 100

72 23.8 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.560 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058946.D

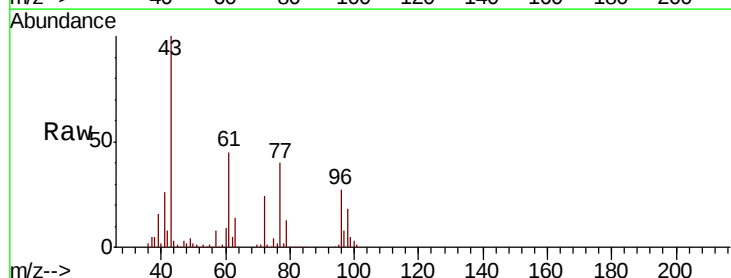
Acq: 24 Oct 2019 9:27

Tgt Ion: 77 Resp: 331366

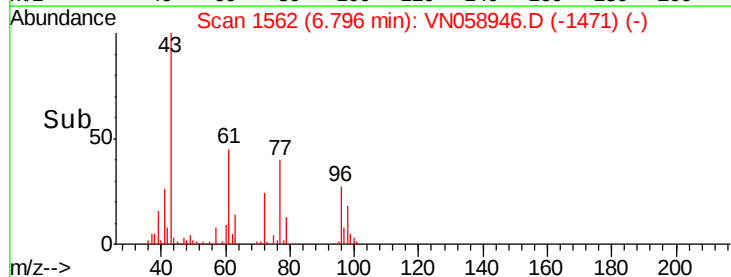
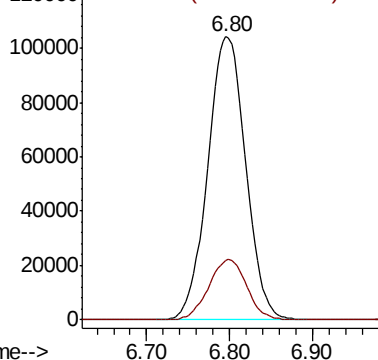
Ion Ratio Lower Upper

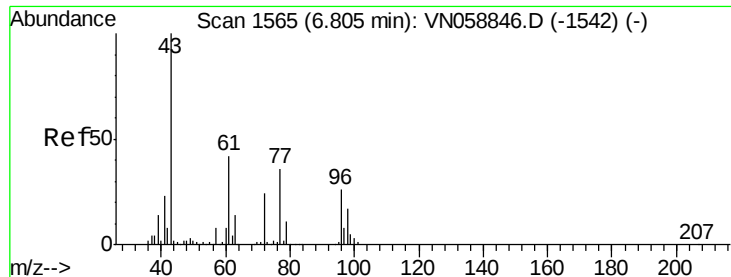
77 100

97 21.3 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.893 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampled :

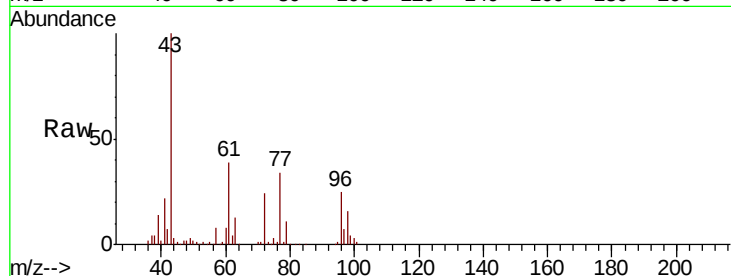
Tot Ion: 96 Resp: 212004

Ion Ratio Lower Upper

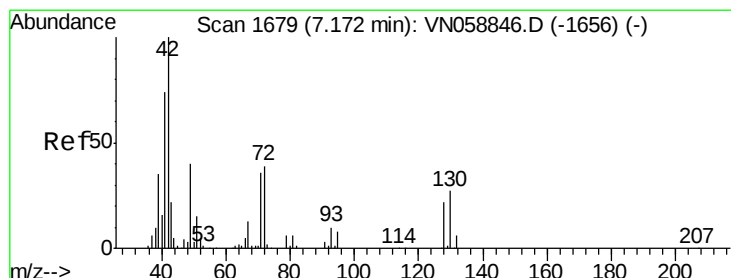
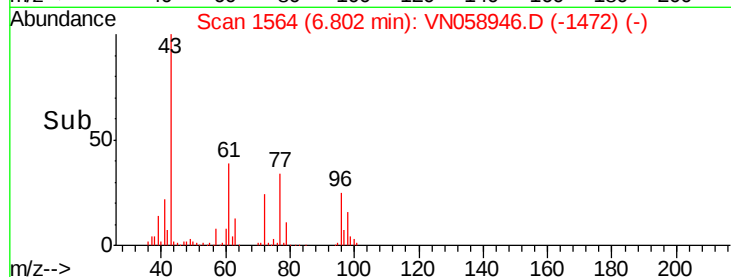
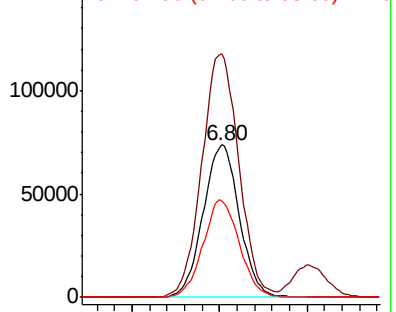
96 100

61 163.2 0.0 325.0

98 64.1 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: 49.580 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

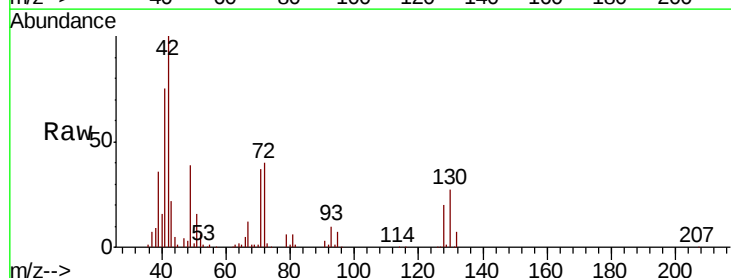
Tgt Ion: 49 Resp: 127638

Ion Ratio Lower Upper

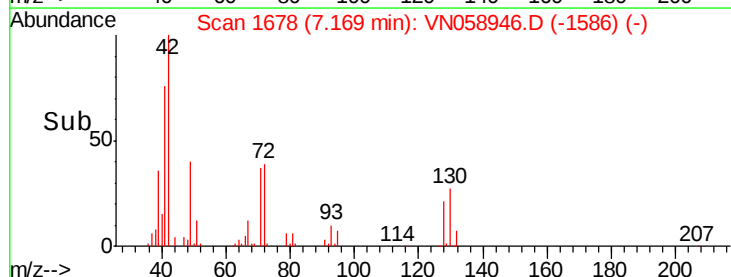
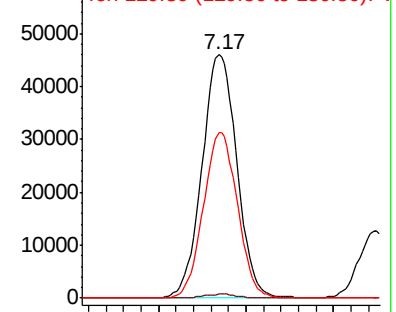
49 100

129 1.5 0.0 3.2

130 66.3 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

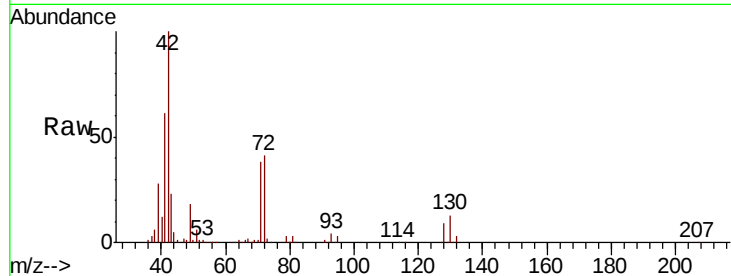




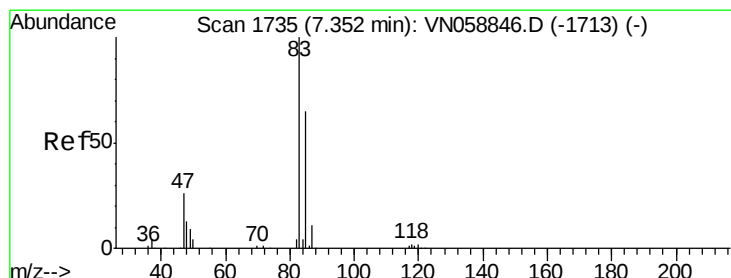
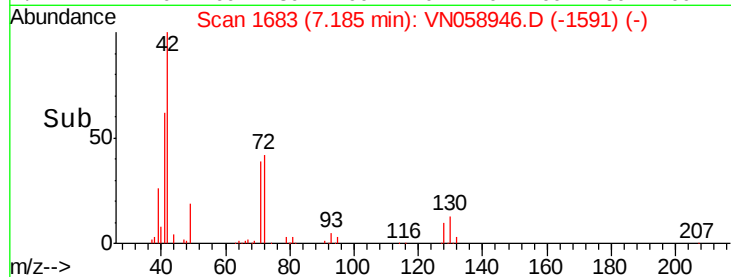
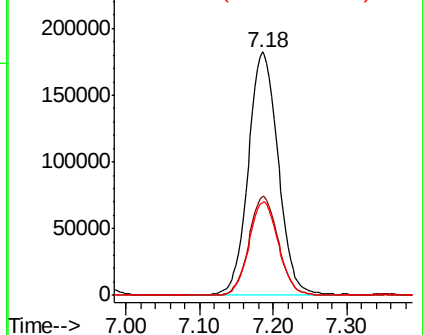
#29
Tetrahydrofuran
Concen: 261.682 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 514544
Ion Ratio Lower Upper
42 100
72 40.1 32.2 48.2
71 37.9 30.6 45.8

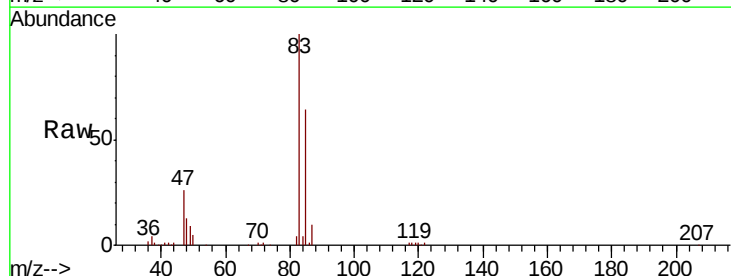


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

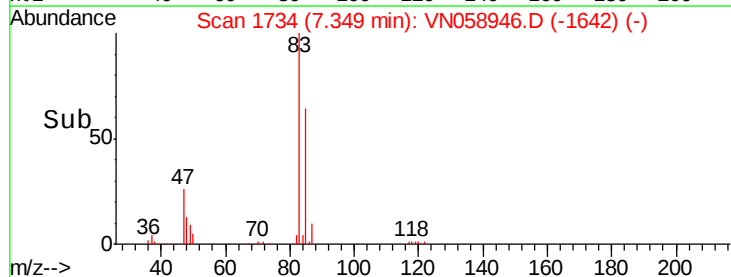
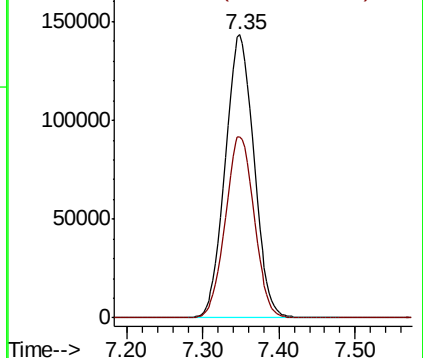


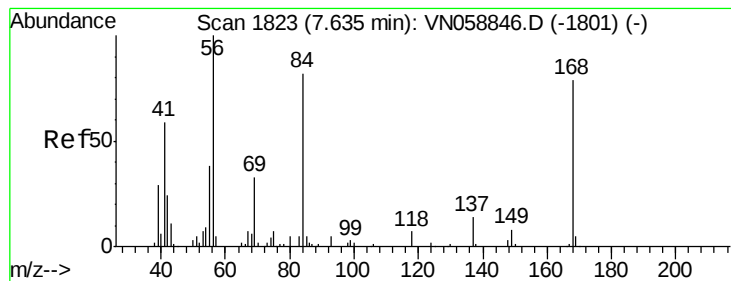
#30
Chloroform
Concen: 48.770 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 83 Resp: 378155
Ion Ratio Lower Upper
83 100
85 64.1 51.9 77.9



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





#31

Cyclohexane

Concen: 45.978 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampled :

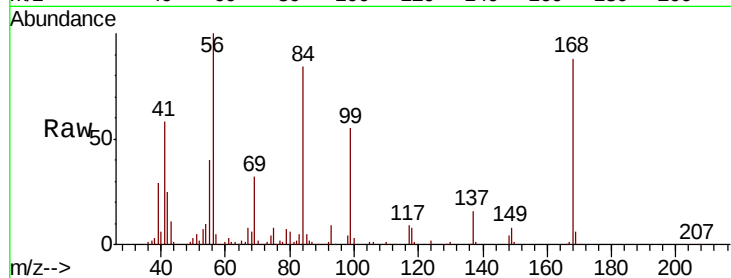
Tot Ion: 56 Resp: 331099

Ion Ratio Lower Upper

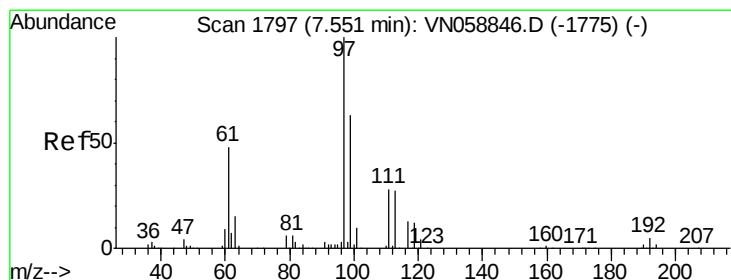
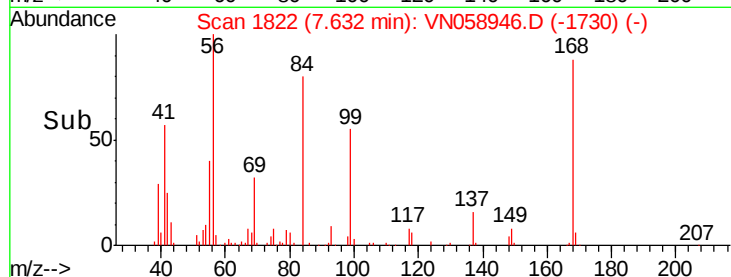
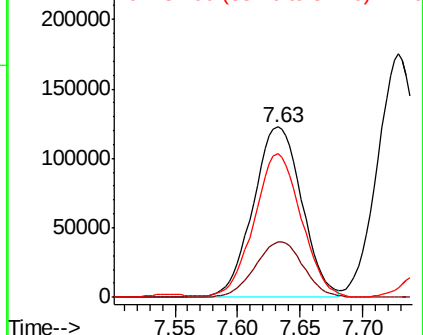
56 100

69 32.5 26.2 39.4

84 82.8 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: 49.696 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

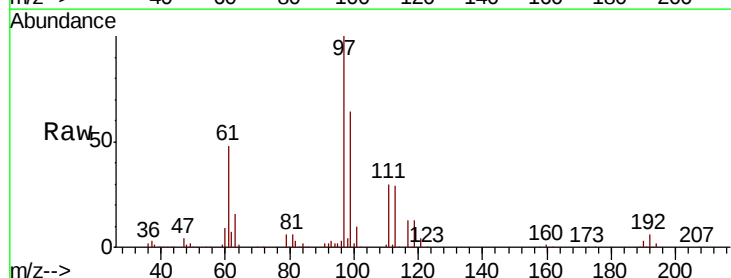
Tgt Ion: 97 Resp: 324797

Ion Ratio Lower Upper

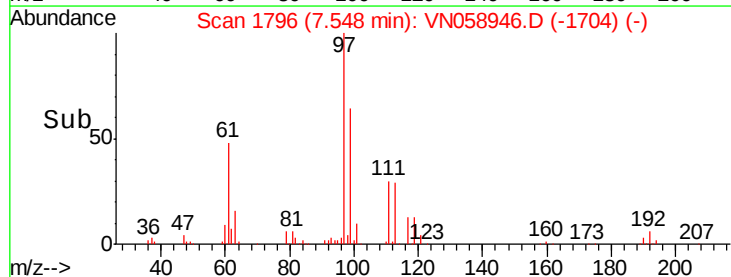
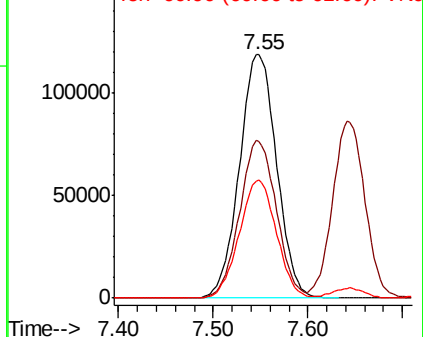
97 100

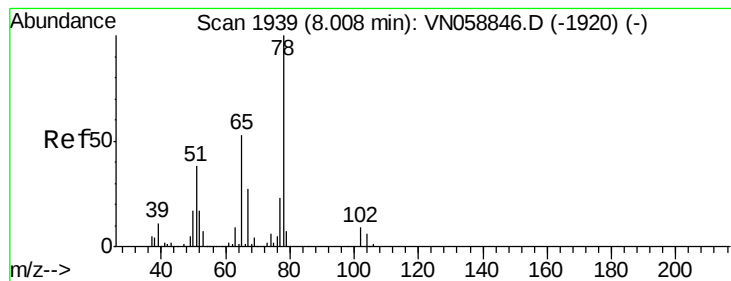
99 64.1 51.0 76.4

61 48.3 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: 48.585 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

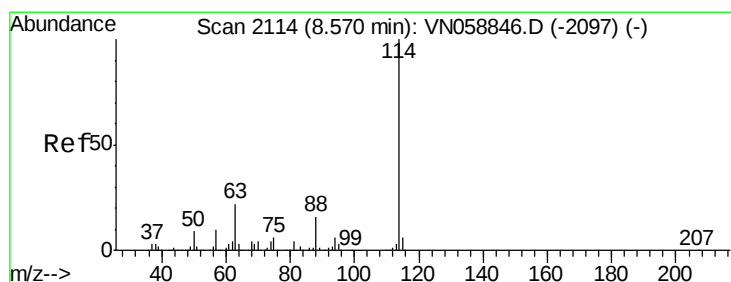
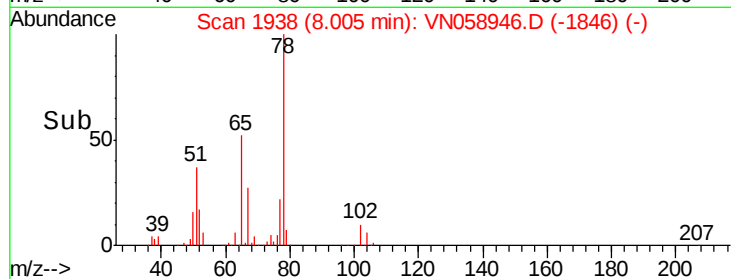
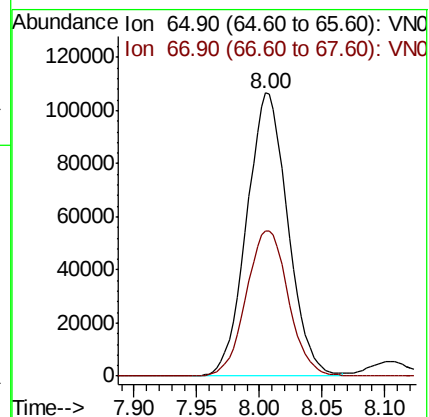
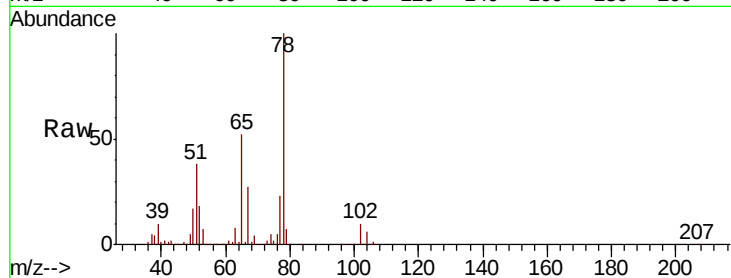
ClientSampleId :

Tot Ion: 65 Resp: 243459

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

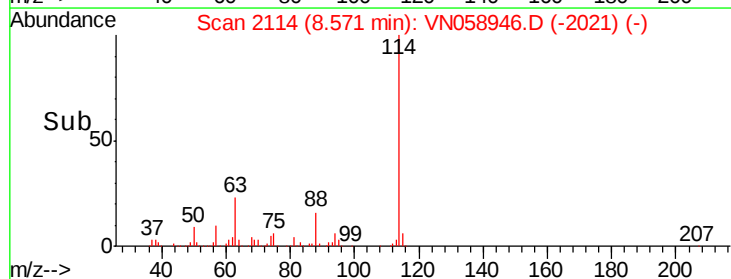
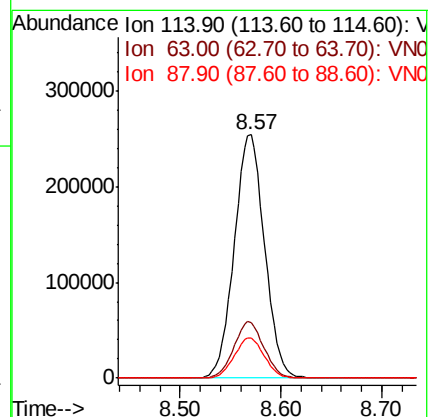
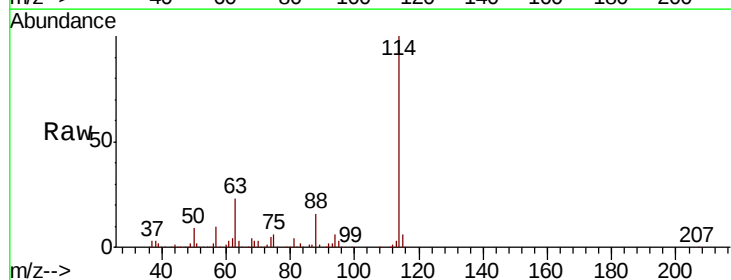
Tgt Ion: 114 Resp: 531353

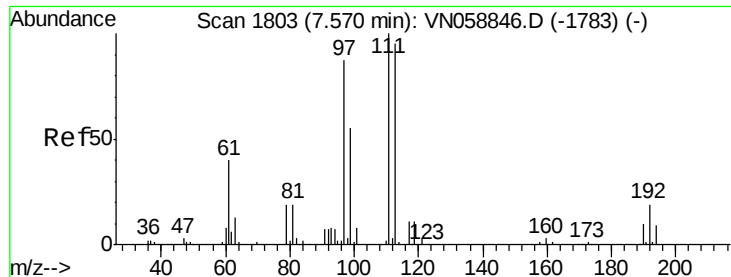
Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.4

88 16.3 0.0 31.4

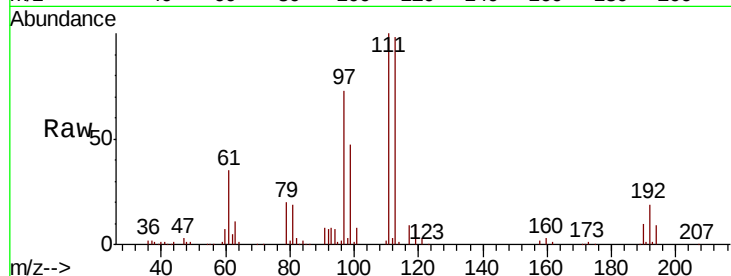




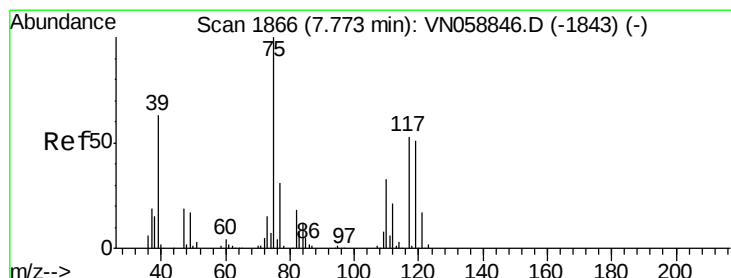
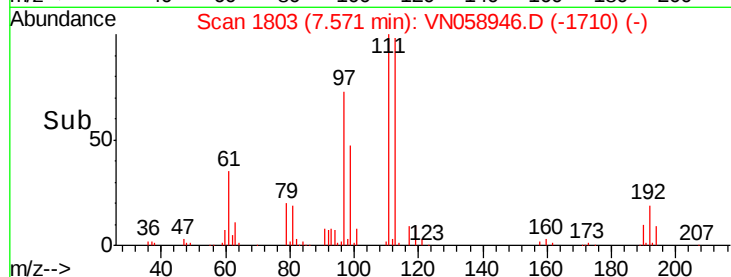
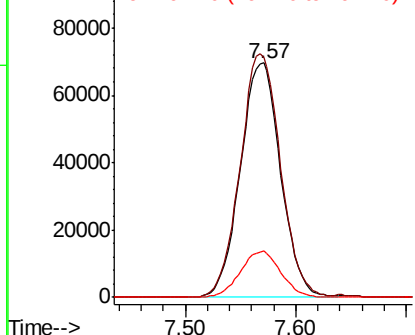
#35
 Dibromofluoromethane
 Concen: 50.501 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 176425
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.0 123.0
 192 19.7 15.0 22.6

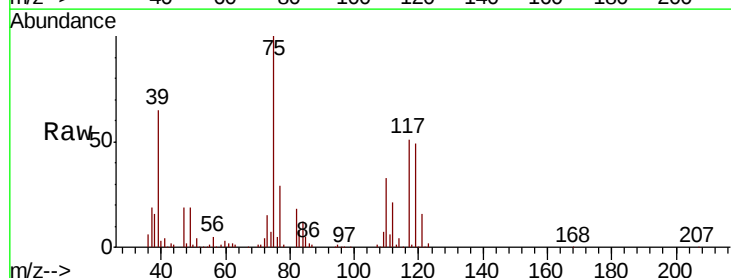


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

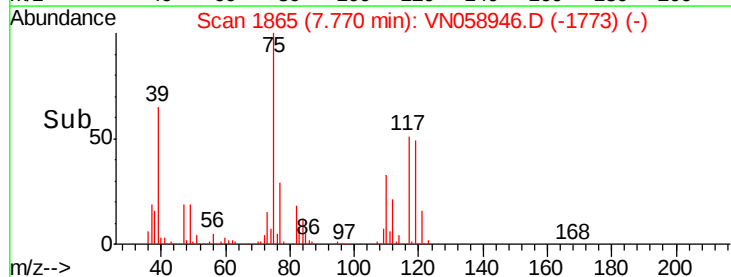
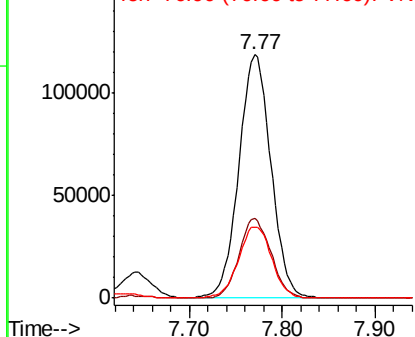


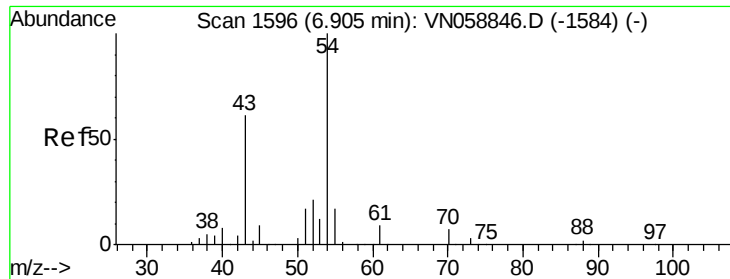
#36
 1,1-Dichloropropene
 Concen: 52.214 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion: 75 Resp: 284040
 Ion Ratio Lower Upper
 75 100
 110 32.5 16.3 48.9
 77 30.6 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

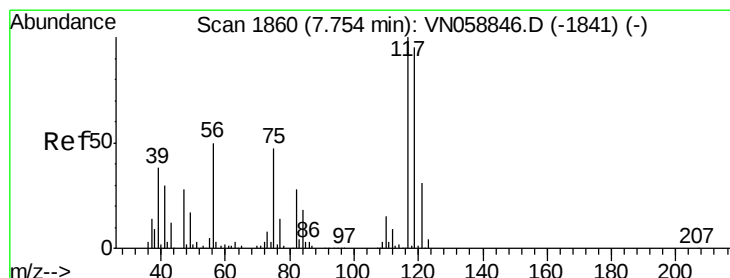
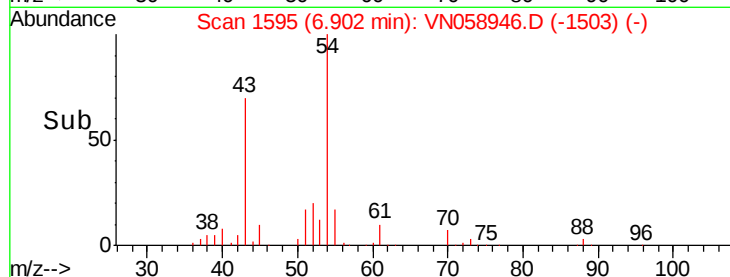
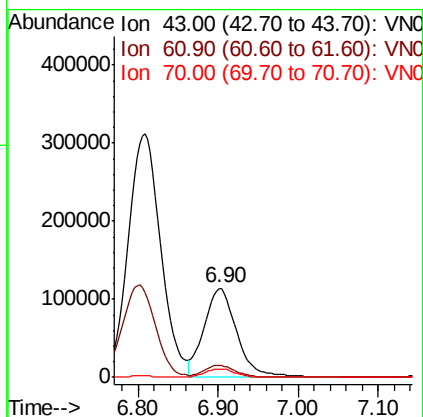
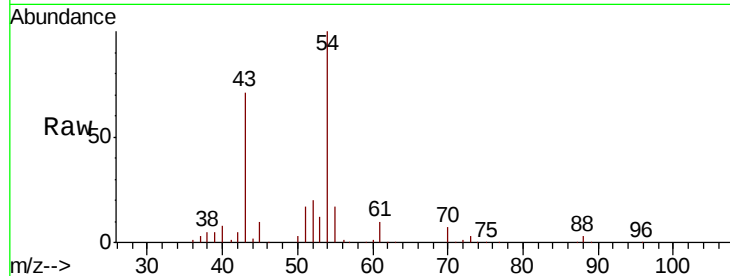




#37
Ethyl Acetate
Concen: 54.308 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

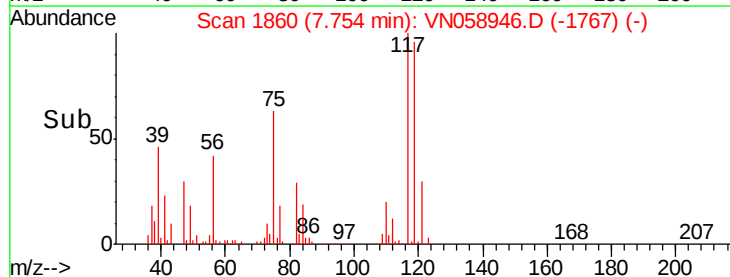
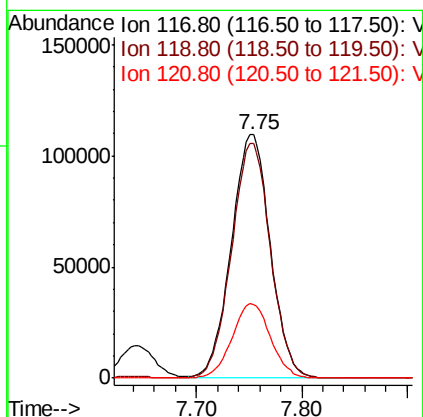
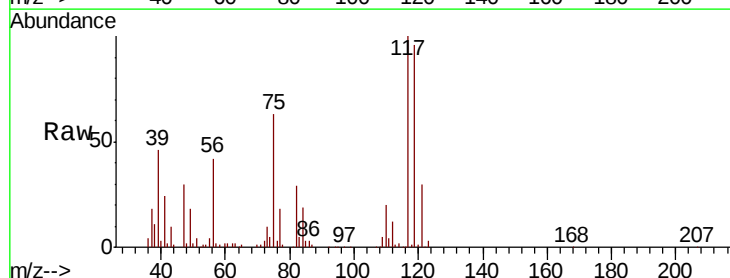
Instrument :
MSVOA_N
ClientSampled :

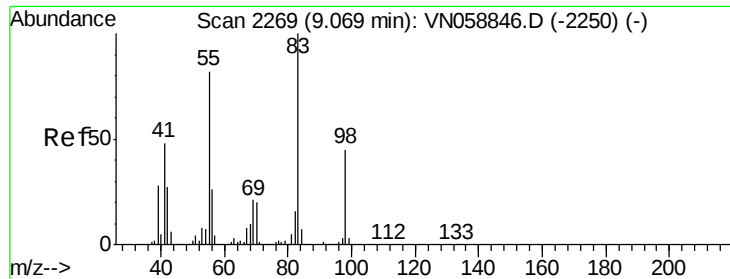
Tot Ion: 43 Resp: 321908
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 9.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.254 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 117 Resp: 281636
Ion Ratio Lower Upper
117 100
119 96.5 75.7 113.5
121 30.3 25.0 37.6

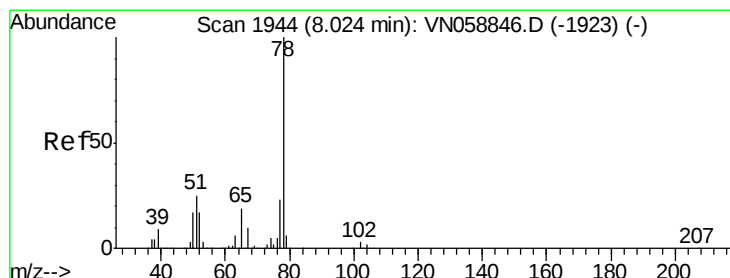
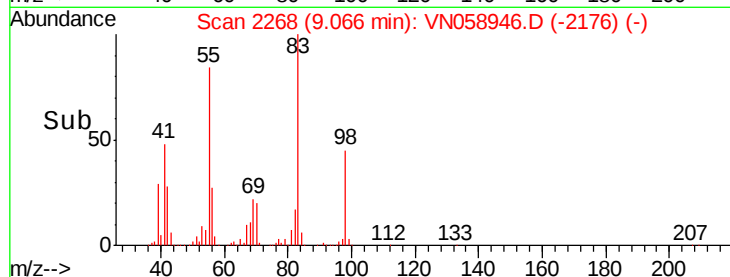
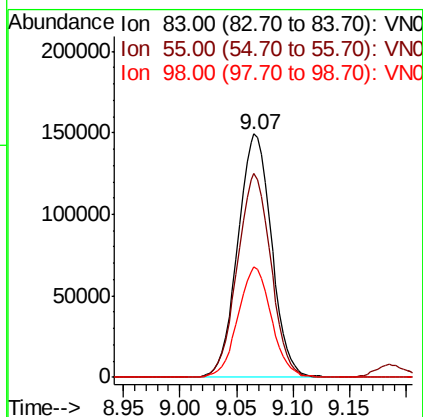
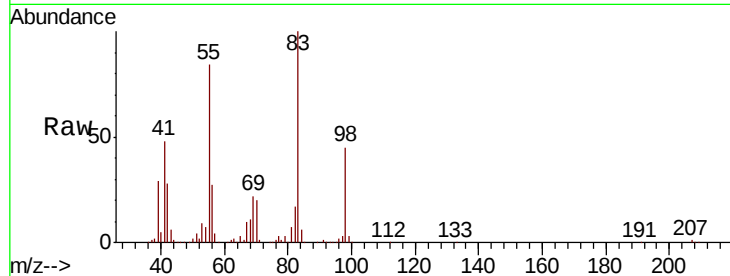




#39
Methvlcvclohexane
Concen: 50.818 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

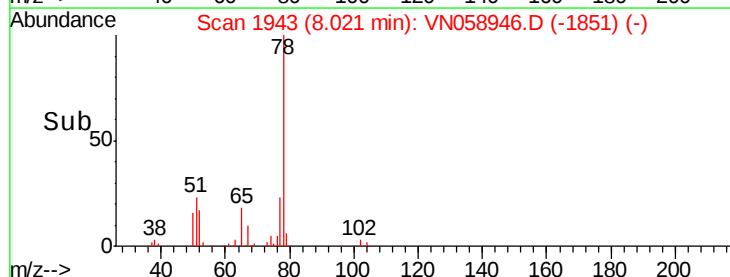
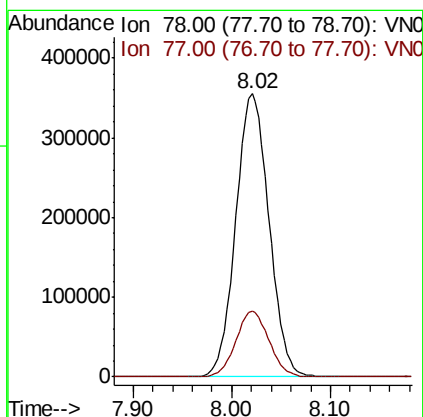
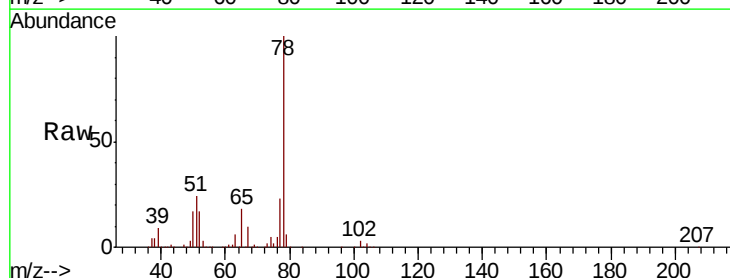
Instrument :
MSVOA_N
ClientSampleId :

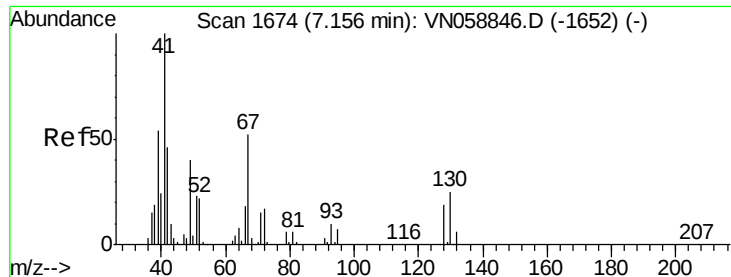
Tot Ion: 83 Resp: 310407
Ion Ratio Lower Upper
83 100
55 83.9 65.5 98.3
98 45.1 35.7 53.5



#40
Benzene
Concen: 52.032 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 78 Resp: 831174
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.2

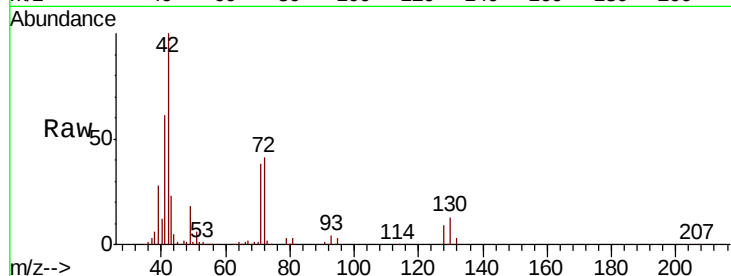




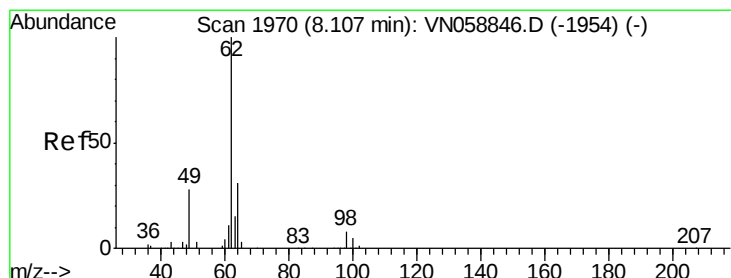
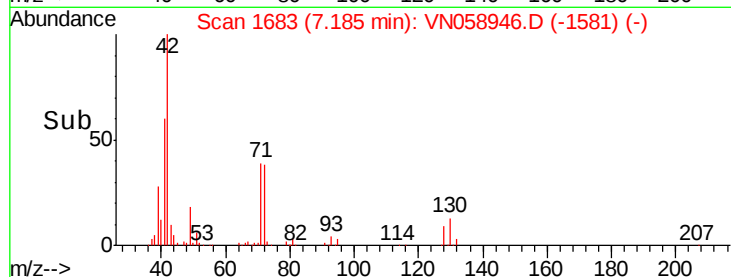
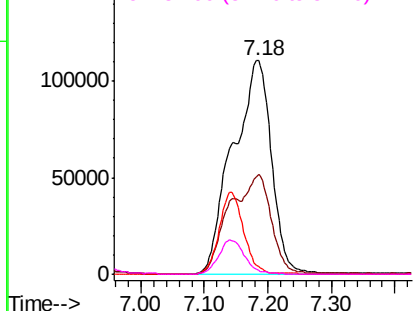
#41
Methacrylonitrile
Concen: 177.018 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	467322
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

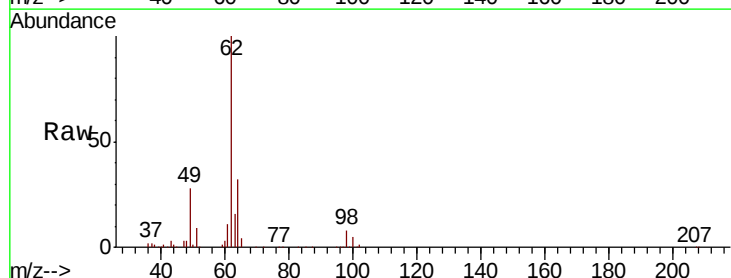


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

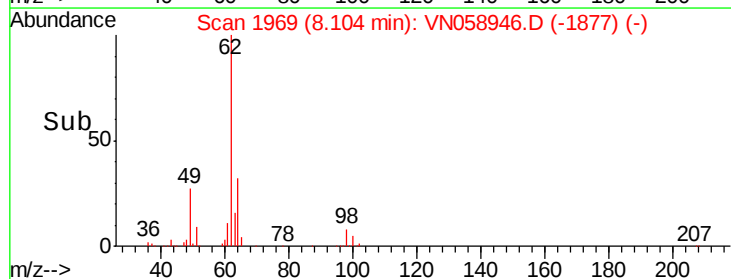
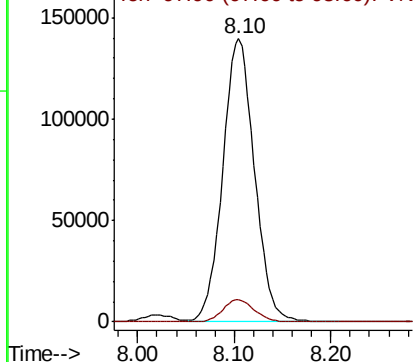


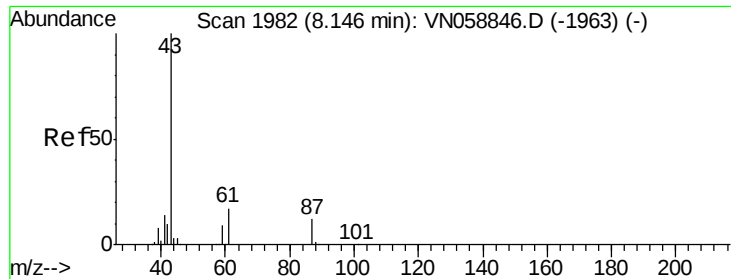
#42
1,2-Dichloroethane
Concen: 51.471 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion:	62	Resp:	316727
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2



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





#43

Isopropyl Acetate

Concen: 52.861 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

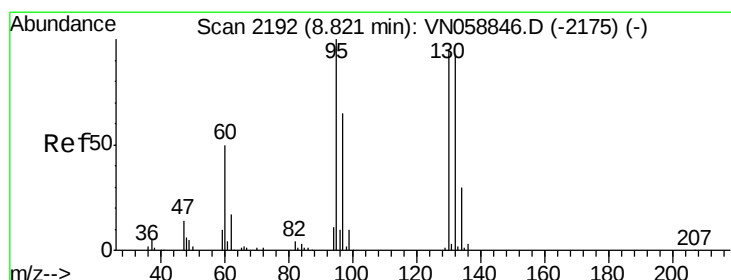
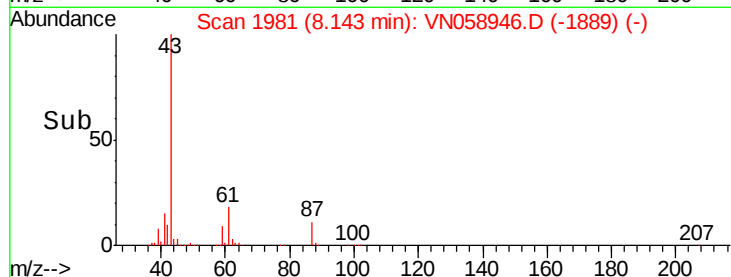
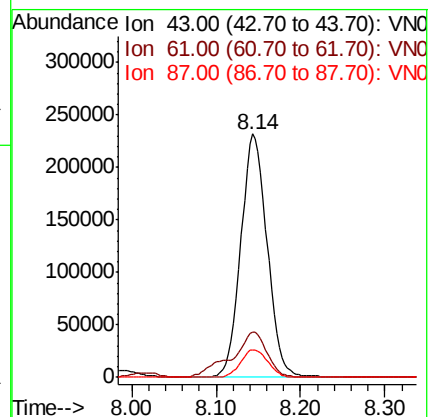
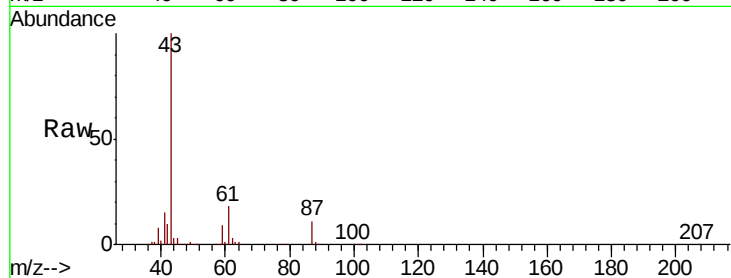
Tot Ion: 43 Resp: 502509

Ion Ratio Lower Upper

43 100

61 25.2 20.2 30.2

87 11.8 9.5 14.3



#44

Trichloroethene

Concen: 51.612 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN058946.D

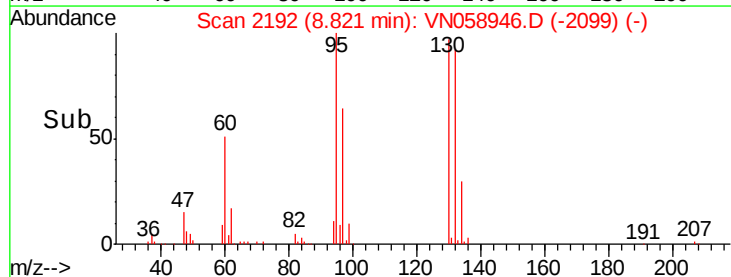
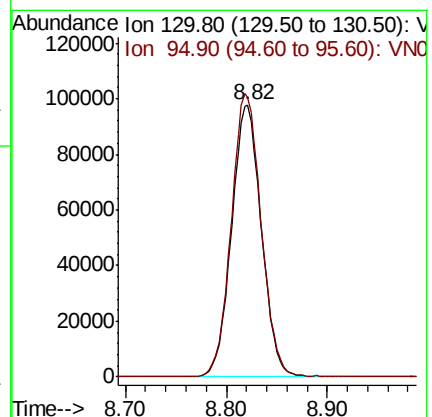
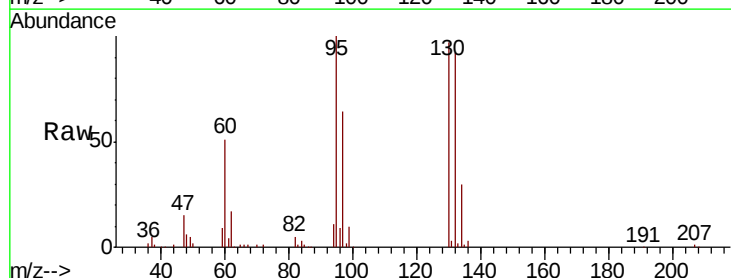
Acq: 24 Oct 2019 9:27

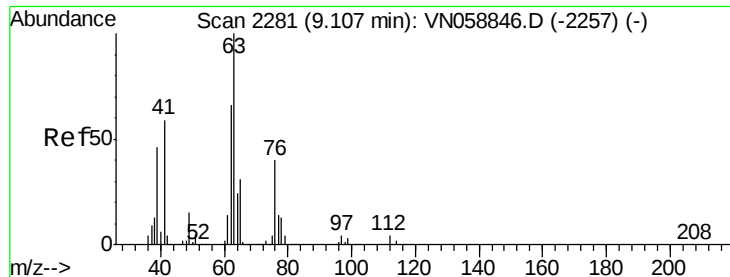
Tgt Ion: 130 Resp: 200837

Ion Ratio Lower Upper

130 100

95 102.7 0.0 209.6





#45

1,2-Dichloropropane

Concen: 52.025 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

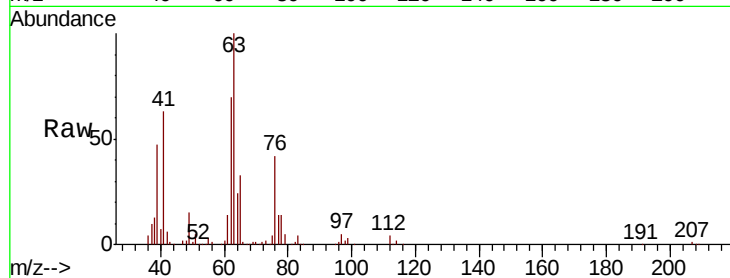
ClientSampleId :

Tot Ion: 63 Resp: 227890

Ion Ratio Lower Upper

63 100

65 32.6 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

120000

100000

80000

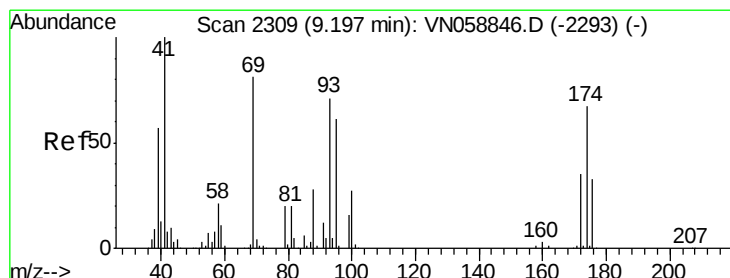
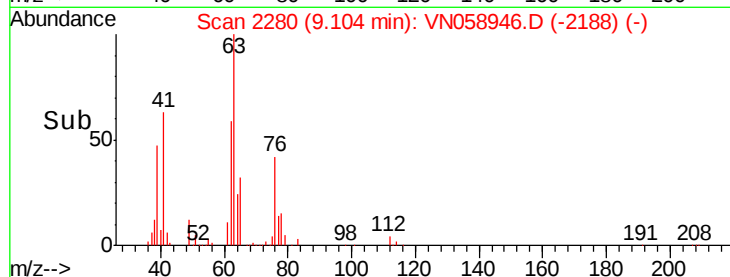
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 52.298 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

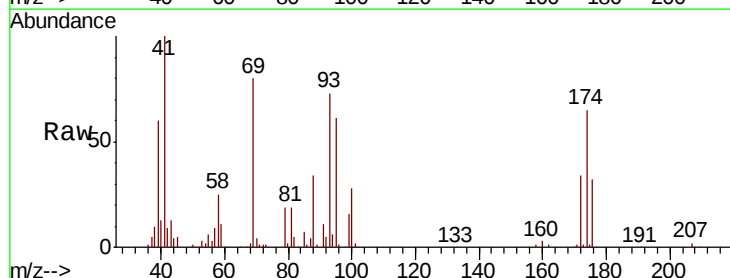
Tgt Ion: 93 Resp: 144823

Ion Ratio Lower Upper

93 100

95 83.7 67.6 101.4

174 92.6 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

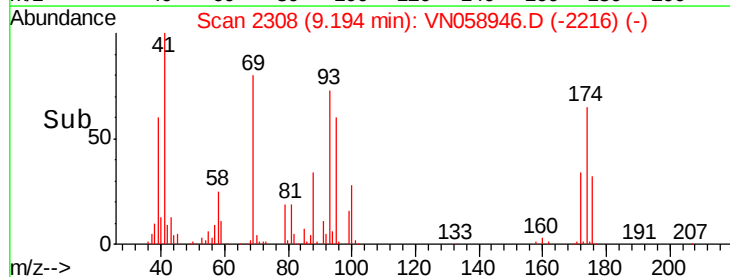
60000

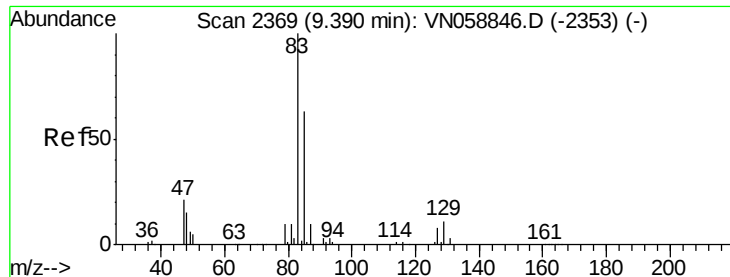
40000

20000

0

Time-->

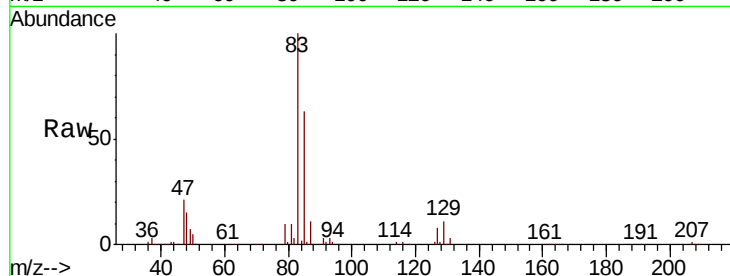




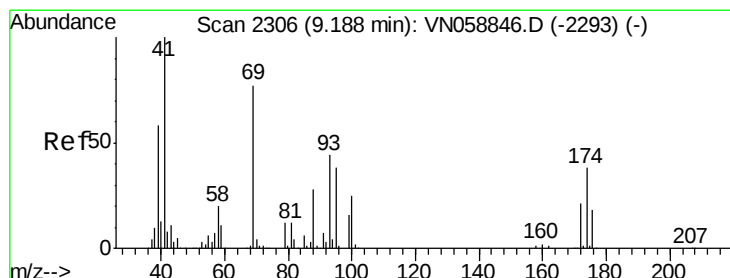
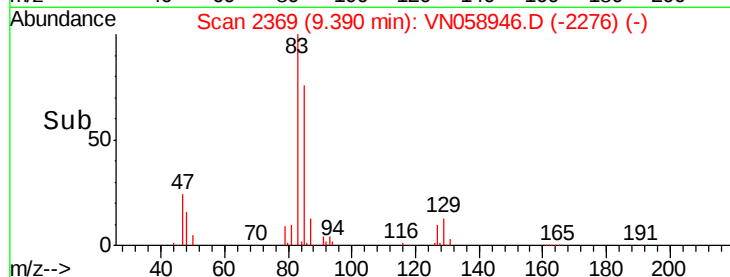
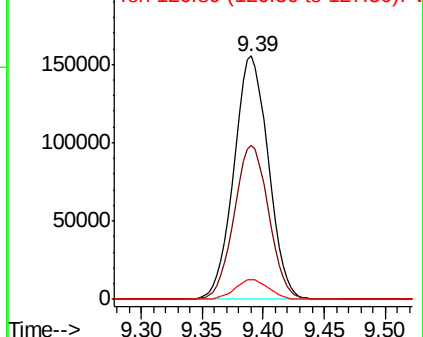
#47
Bromodichloromethane
Concen: 53.286 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 304128
Ion Ratio Lower Upper
83 100
85 63.5 50.6 75.8
127 8.2 6.5 9.7

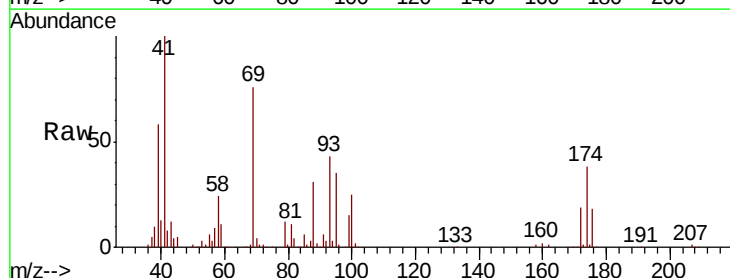


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

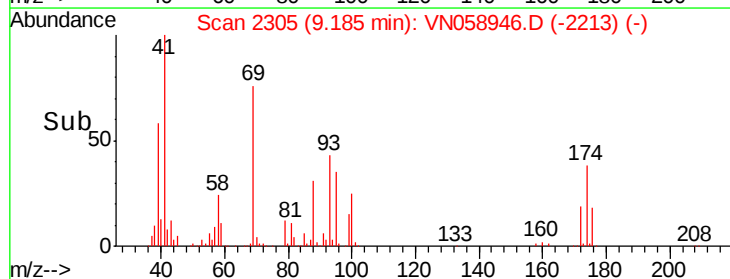
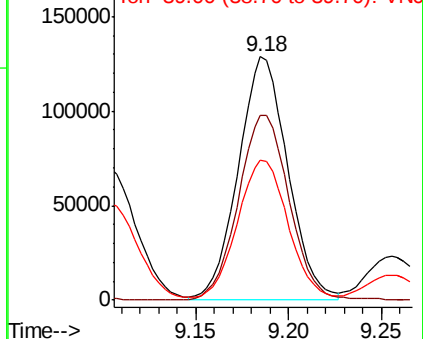


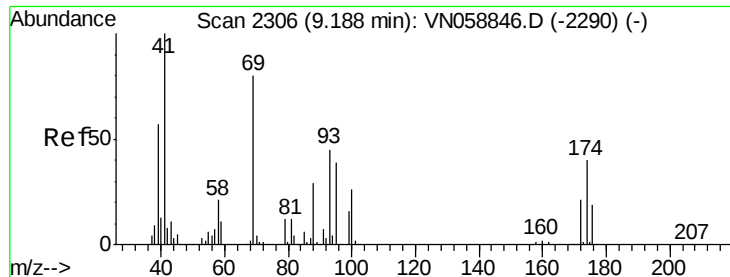
#48
Methyl methacrylate
Concen: 55.252 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 41 Resp: 238305
Ion Ratio Lower Upper
41 100
69 78.8 63.8 95.6
39 59.3 47.8 71.8



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

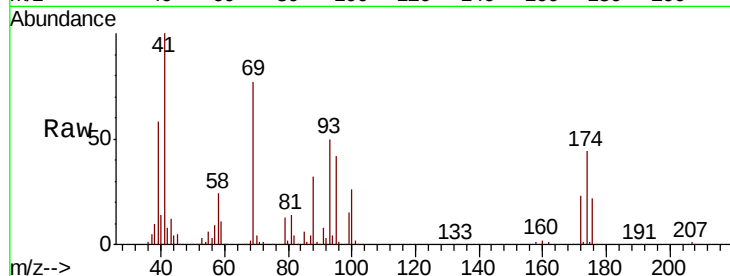




#49
1,4-Dioxane
Concen: 1186.196 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	88	Resp	83985
Ion	Ratio	Lower	Upper
88	100		
43	37.0	29.1	43.7
58	73.6	59.4	89.0

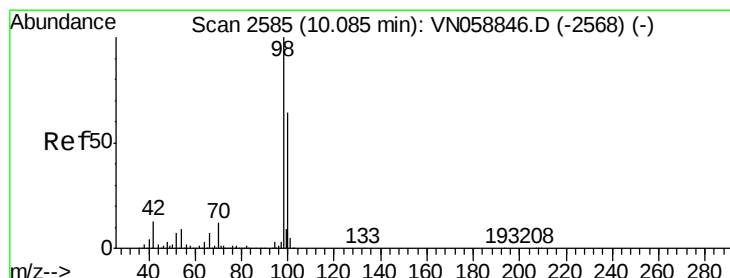
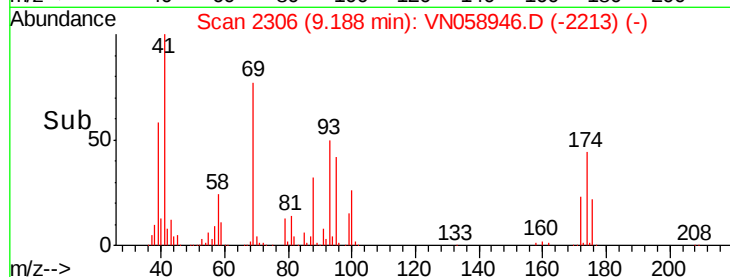
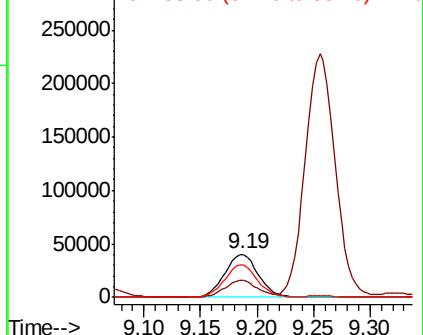


Abundance

Ion 88.00 (87.70 to 88.70): VN0

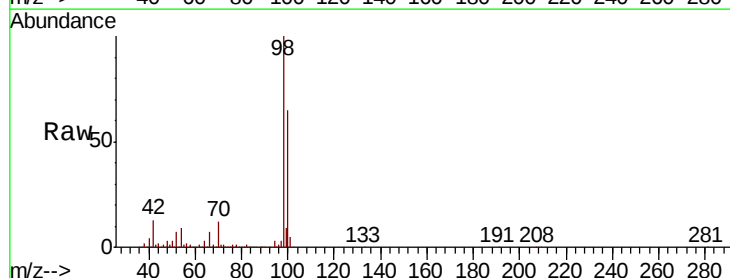
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.687 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

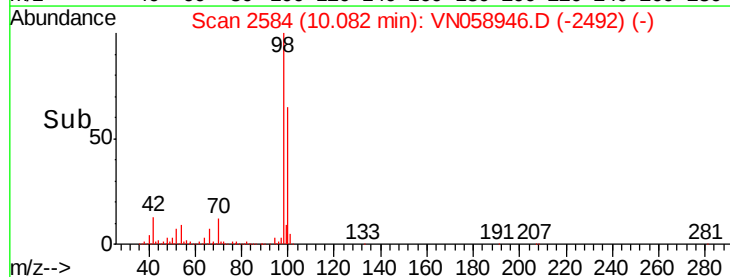
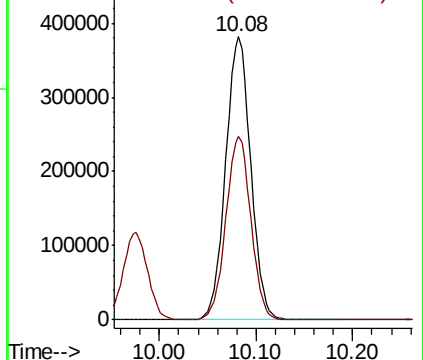
Tgt Ion	98	Resp	687383
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2

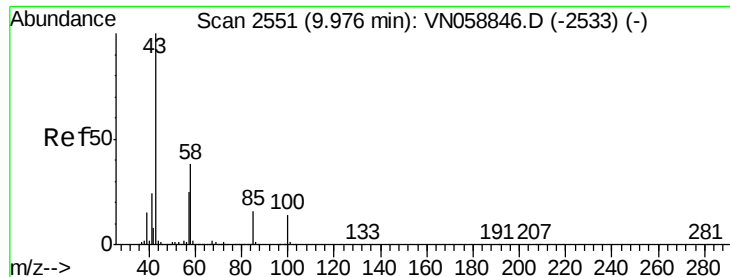


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 292.192 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

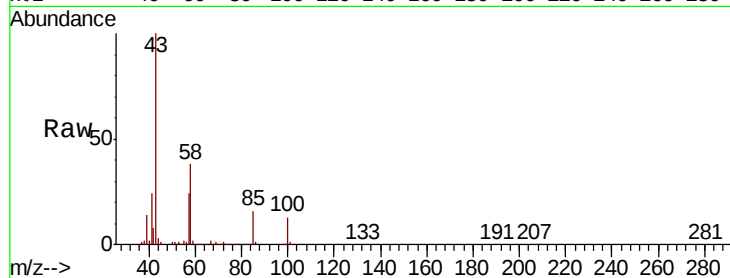
ClientSampleId :

Tot Ion: 43 Resp: 1622425

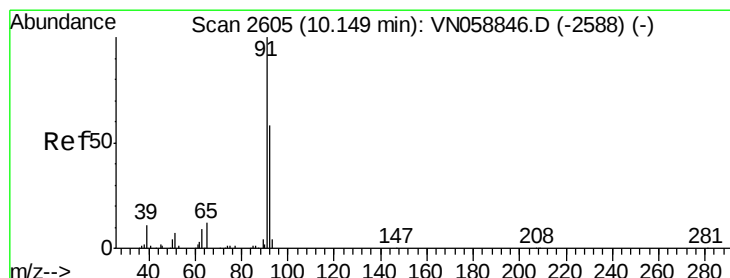
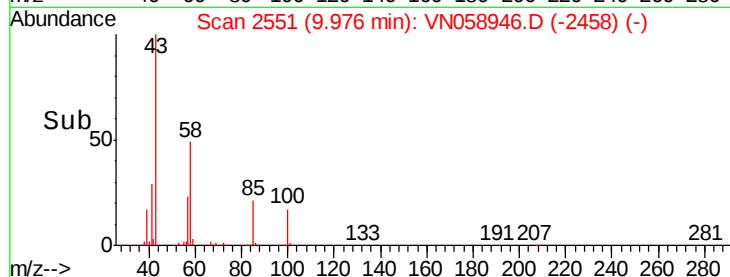
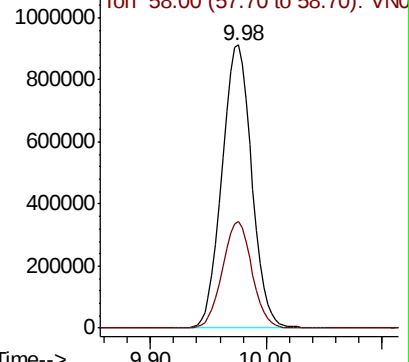
Ion Ratio Lower Upper

43 100

58 37.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)



#52

Toluene

Concen: 54.081 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058946.D

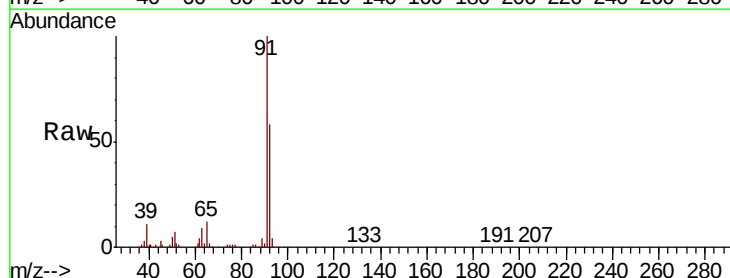
Acq: 24 Oct 2019 9:27

Tgt Ion: 92 Resp: 512308

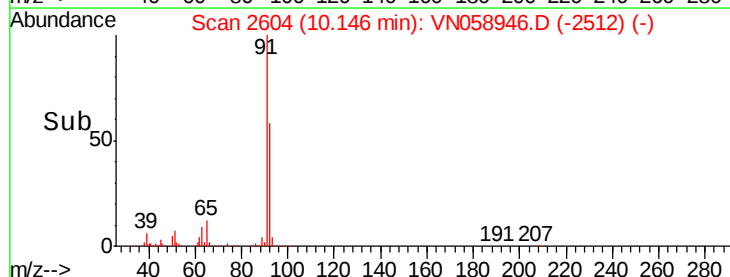
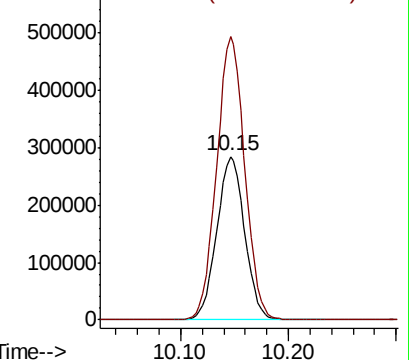
Ion Ratio Lower Upper

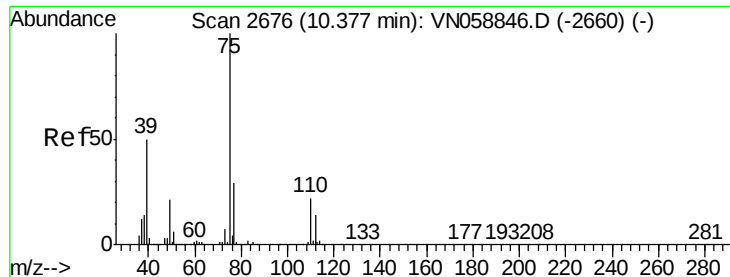
92 100

91 174.7 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 53.842 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

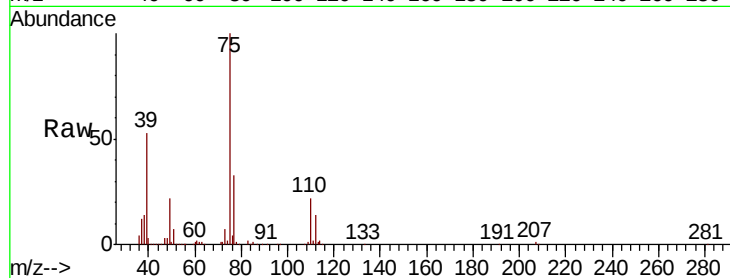
ClientSampleId :

Tot Ion: 75 Resp: 340185

Ion Ratio Lower Upper

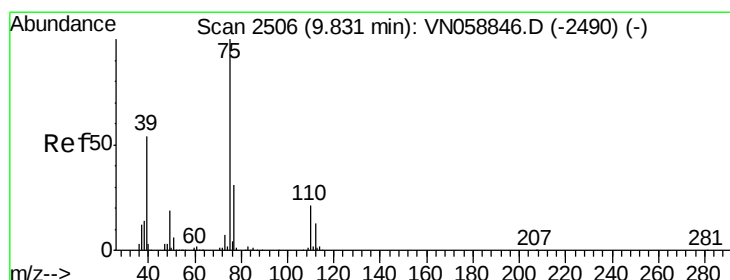
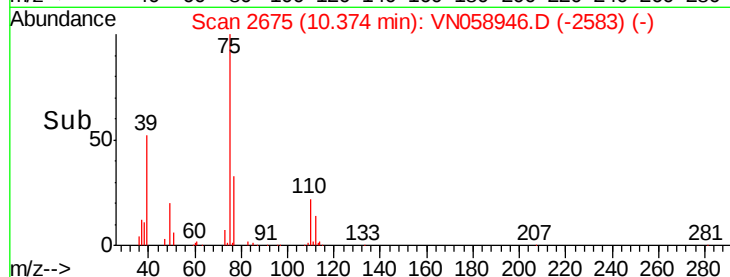
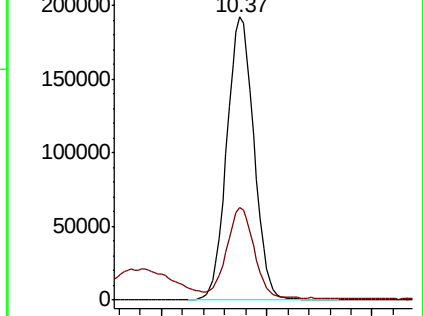
75 100

77 32.1 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.704 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

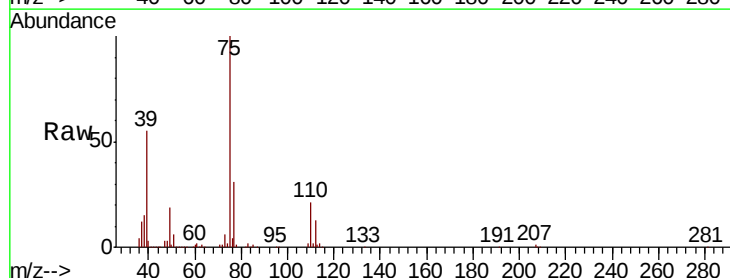
Tgt Ion: 75 Resp: 362519

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1

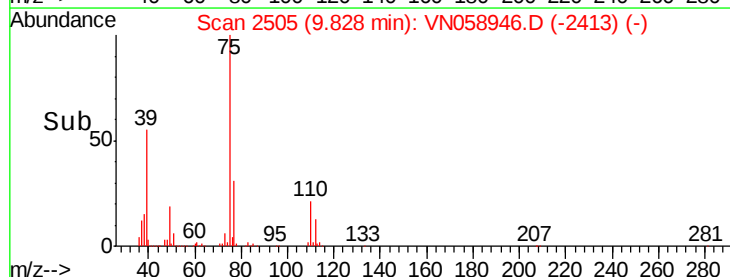
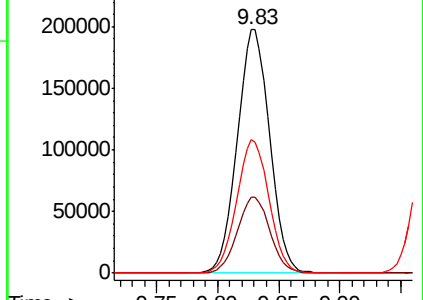
39 54.6 43.5 65.3

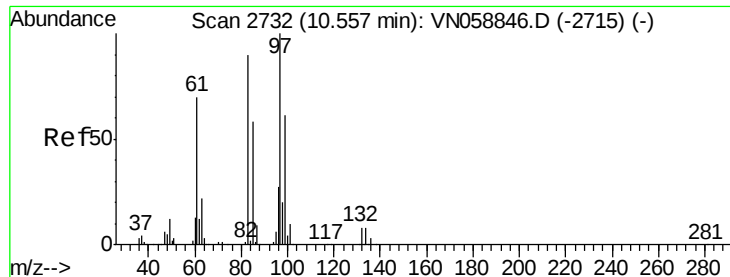


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 51.956 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 202755

Ion	Ratio	Lower	Upper
97	100		
83	92.0	72.2	108.4
85	59.0	46.2	69.2
99	62.5	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

Time-->

10.56

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

100000

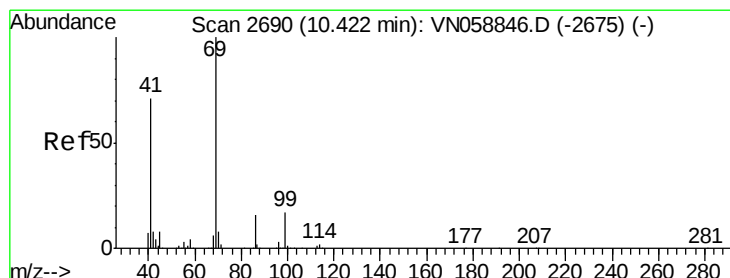
50000

0

10.50 10.55 10.60

Time-->

10.56



#56

Ethyl methacrylate

Concen: 48.741 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion: 69 Resp: 319149

Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.2	85.8
39	41.0	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

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000

150000

100000

50000

0

10.40 10.42 10.44

Time-->

10.42

250000

200000



#57

1,3-Dichloropropane

Concen: 52.682 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

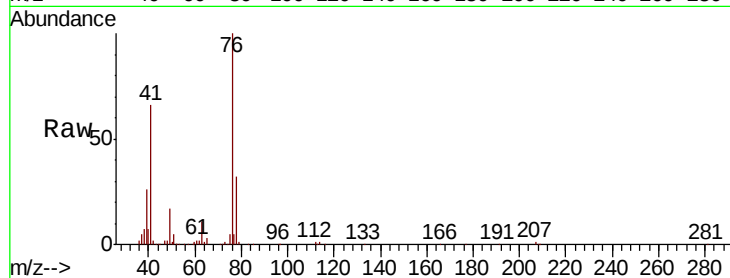
ClientSampled :

Tot Ion: 76 Resp: 360832

Ion Ratio Lower Upper

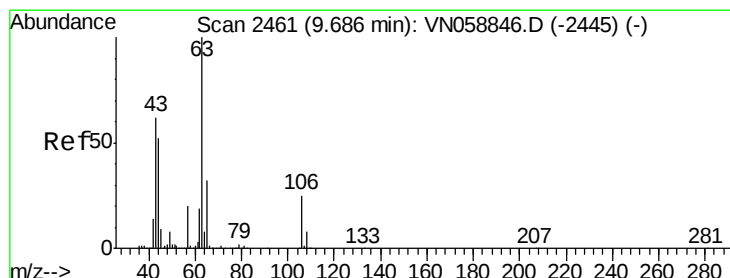
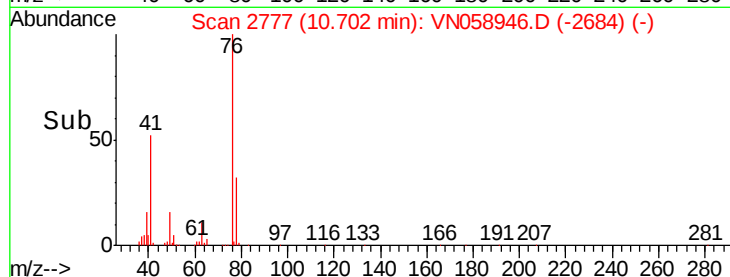
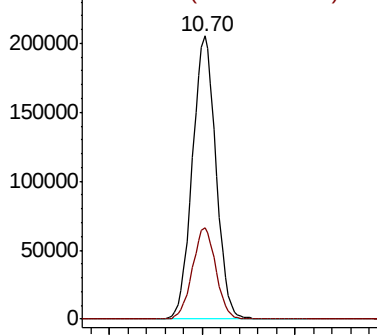
76 100

78 32.4 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 252.220 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN058946.D

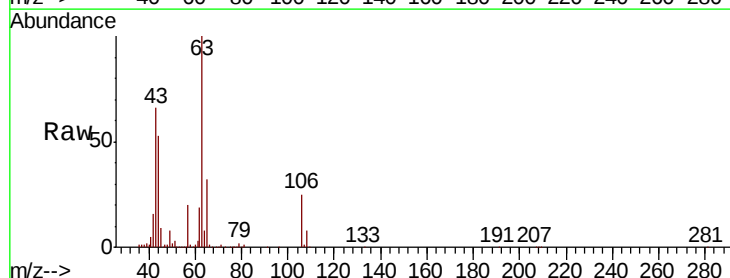
Acq: 24 Oct 2019 9:27

Tgt Ion: 63 Resp: 698313

Ion Ratio Lower Upper

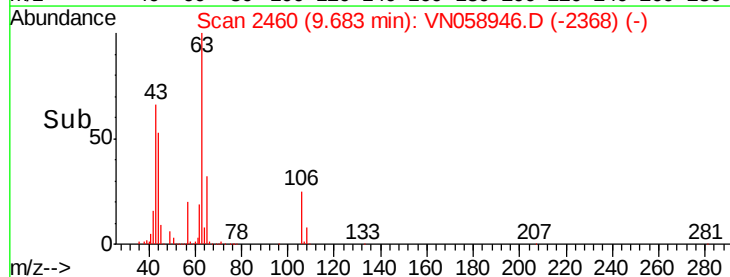
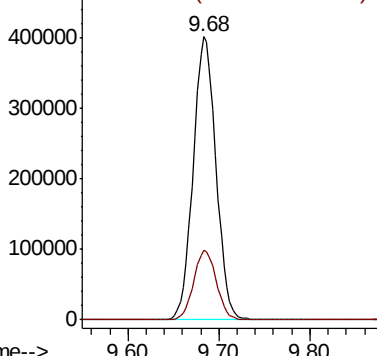
63 100

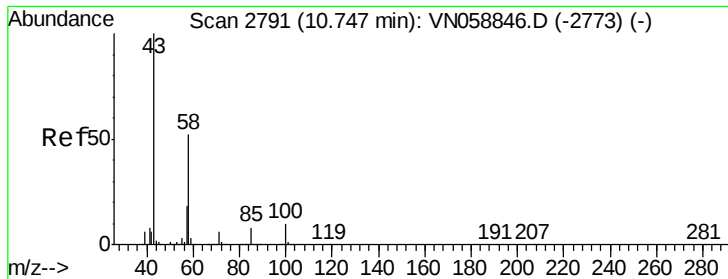
106 24.7 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

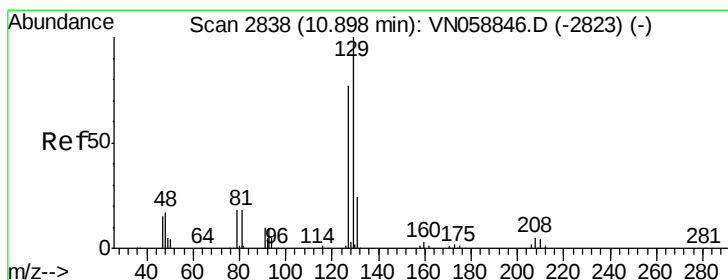
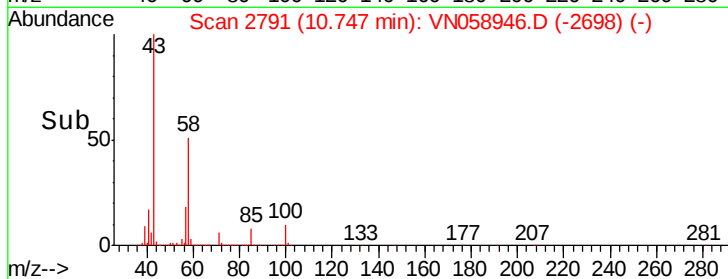
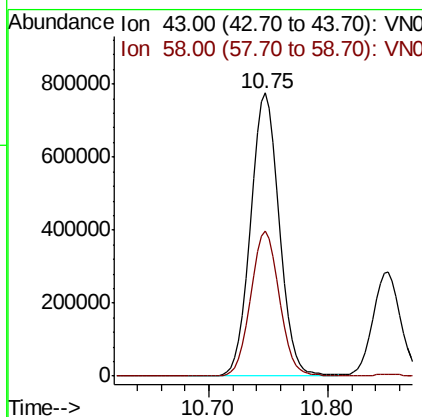
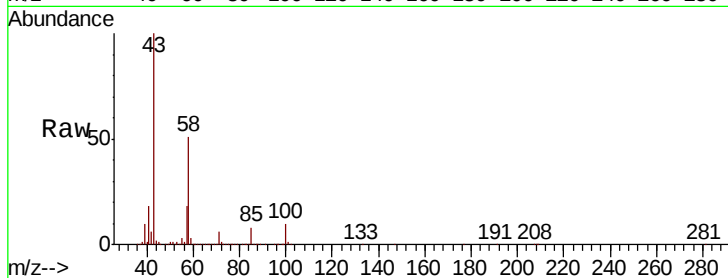




#59
2-Hexanone
Concen: 301.174 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

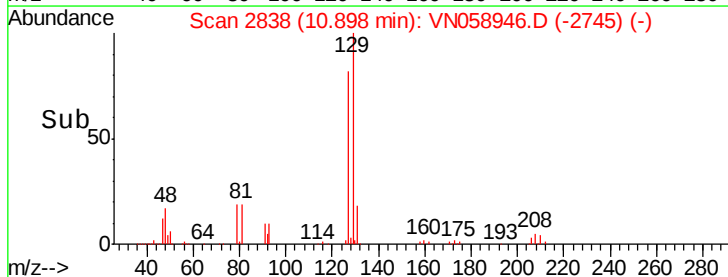
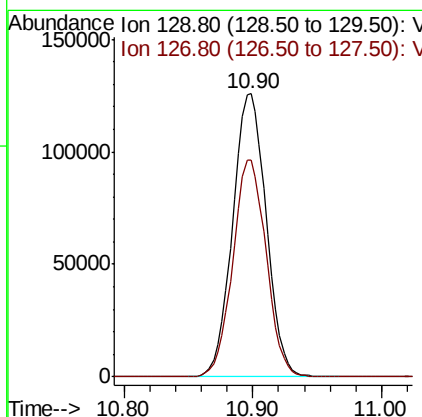
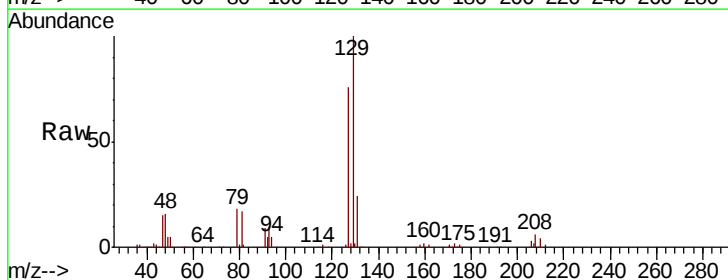
Instrument :
MSVOA_N
ClientSampled :

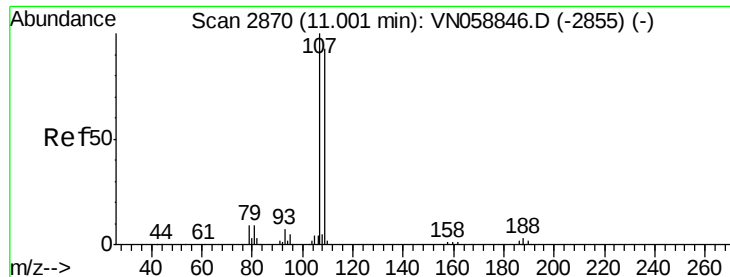
Tot Ion: 43 Resp: 1292239
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7



#60
Dibromochloromethane
Concen: 54.168 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 129 Resp: 227529
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.3

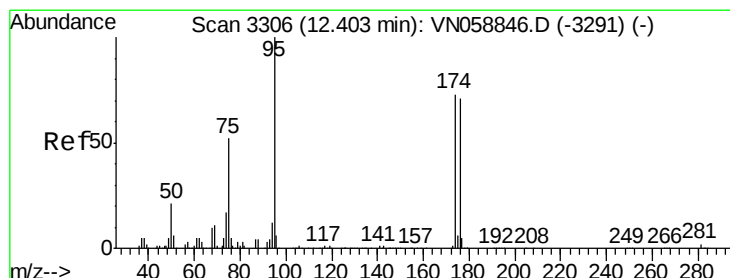
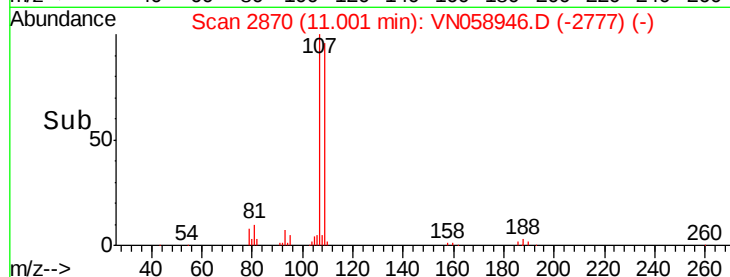
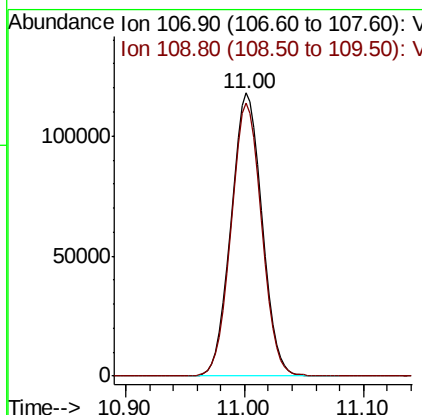
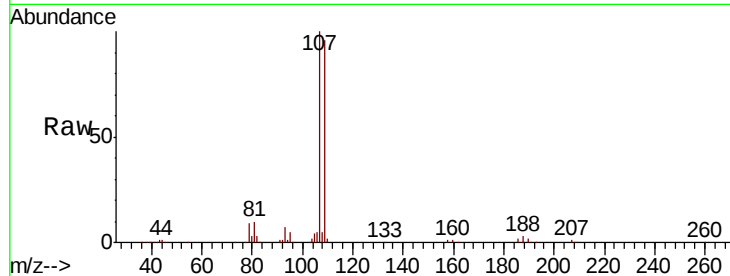




#61
 1,2-Dibromoethane
 Concen: 53.181 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

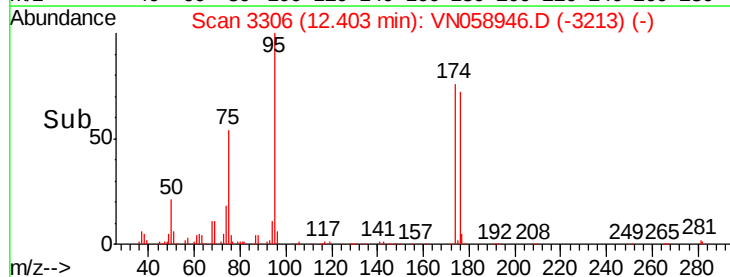
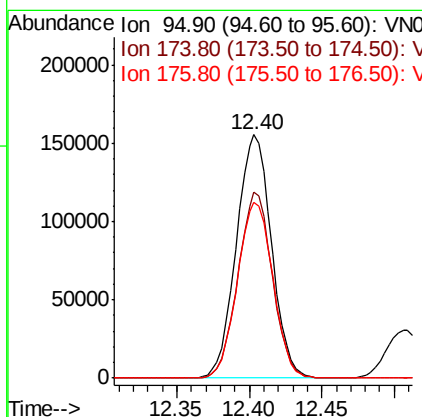
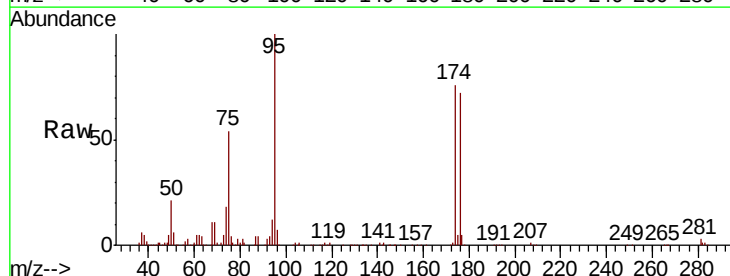
Instrument :
 MSVOA_N
 ClientSampled :

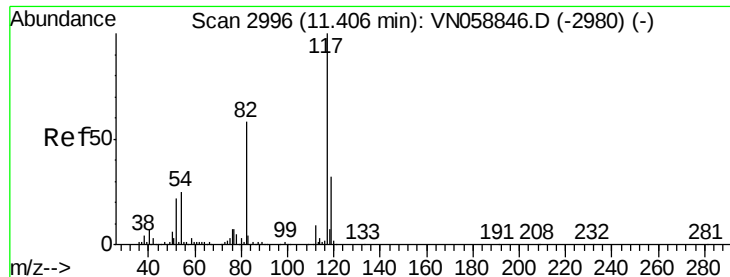
Tot Ion:107 Resp: 212389
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.398 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion: 95 Resp: 260944
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 147.6
 176 73.3 0.0 143.2

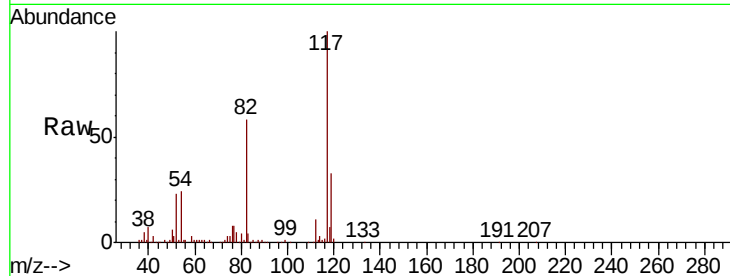




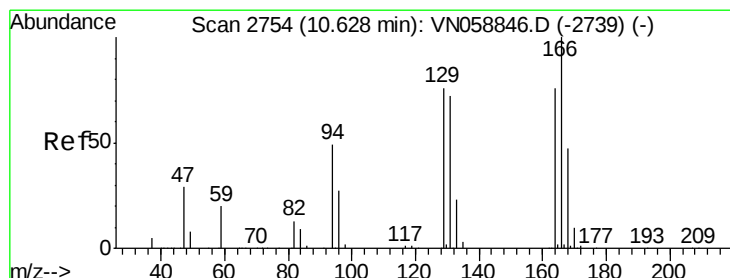
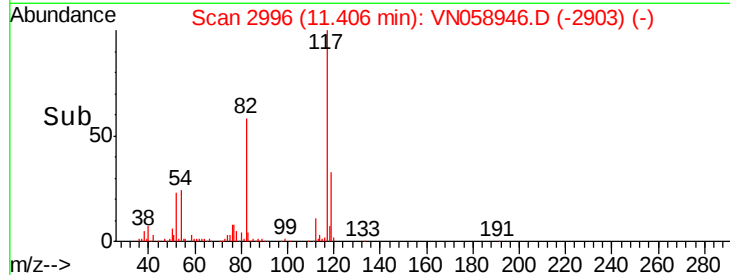
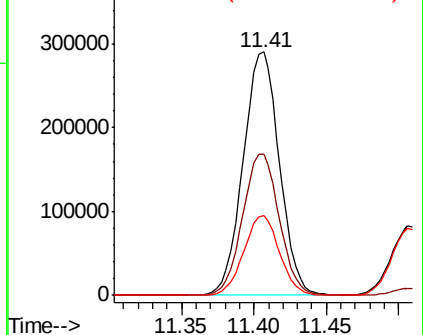
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 505465
Ion Ratio Lower Upper
117 100
82 57.9 46.6 69.8
119 32.9 25.6 38.4

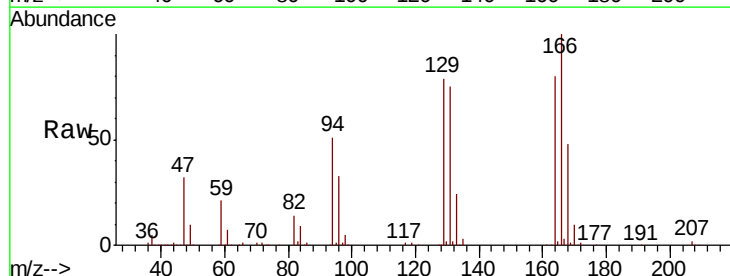


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

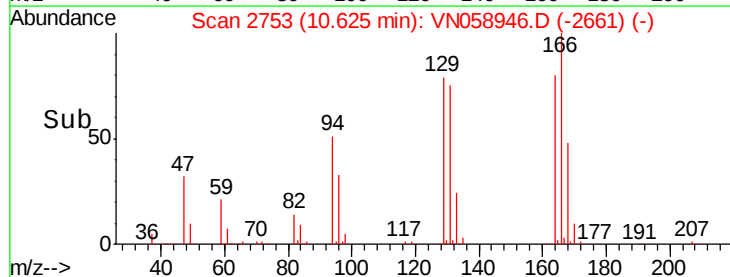
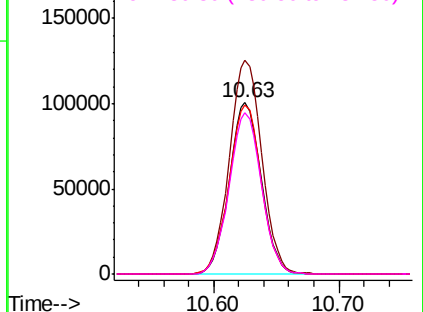


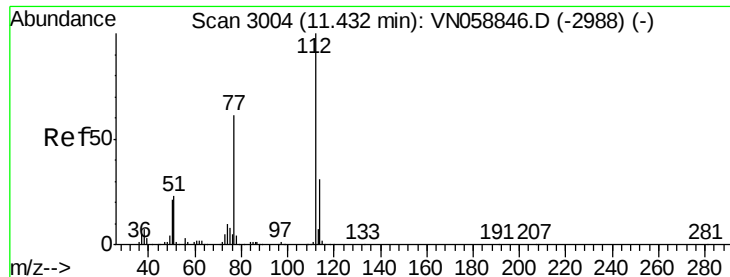
#64
Tetrachloroethene
Concen: 50.324 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion:164 Resp: 178143
Ion Ratio Lower Upper
164 100
166 124.6 104.8 157.2
129 98.9 79.3 118.9
131 93.8 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

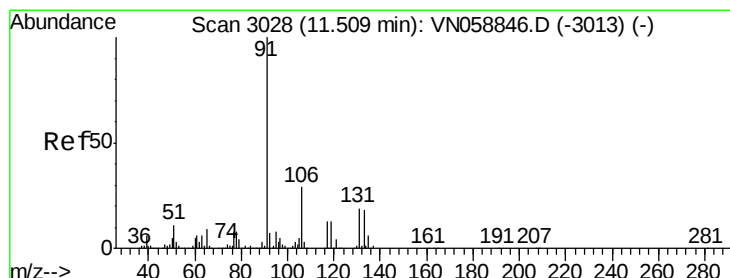
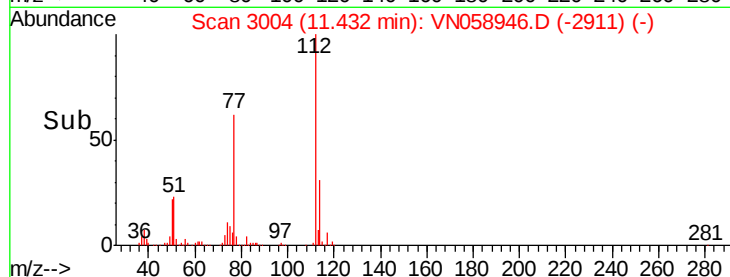
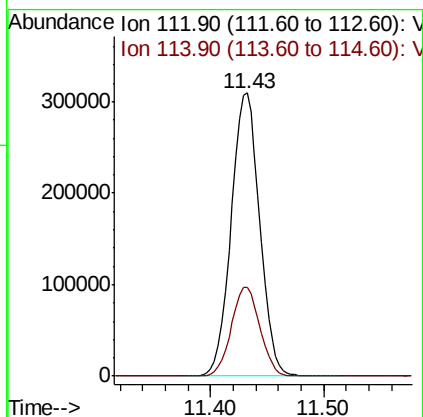
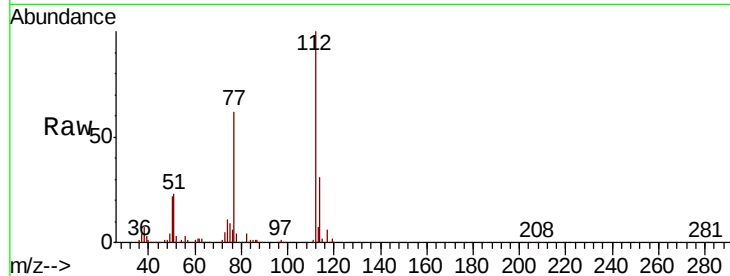




#65
Chlorobenzene
Concen: 52.637 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

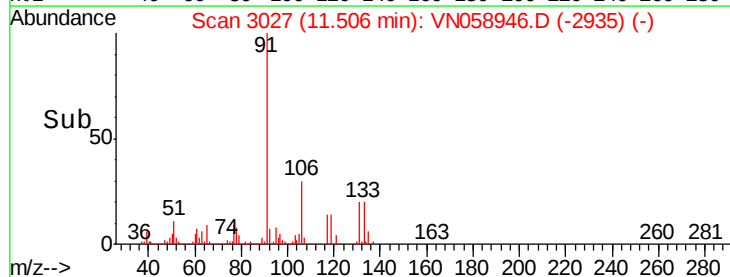
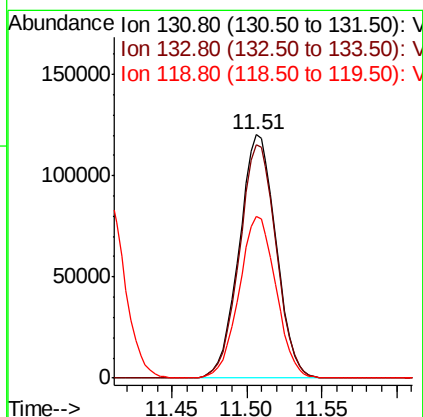
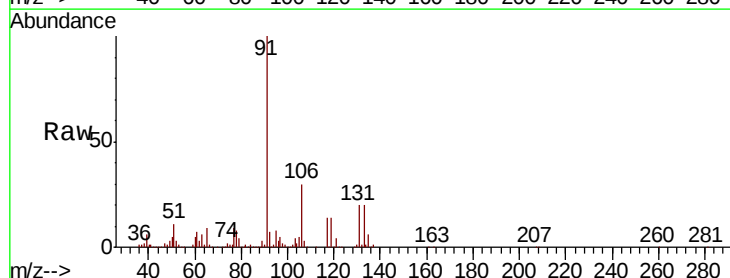
Instrument :
MSVOA_N
ClientSampleId :

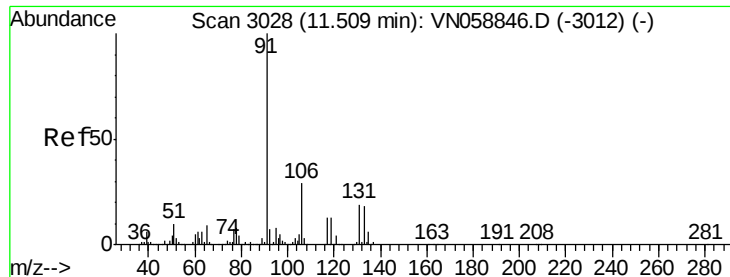
Tot Ion:112 Resp: 541668
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.009 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion:131 Resp: 205846
Ion Ratio Lower Upper
131 100
133 96.0 48.4 145.2
119 66.4 33.6 100.8





#67

Ethyl Benzene

Concen: 55.176 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

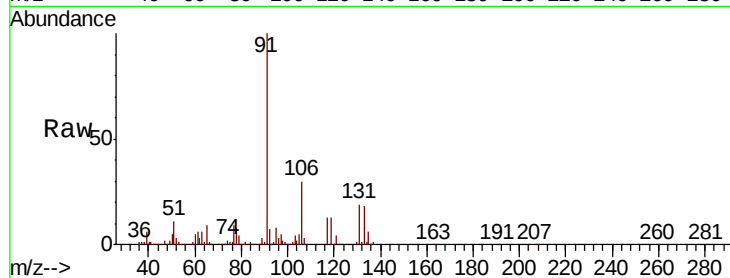
ClientSampled :

Tot Ion: 91 Resp: 996048

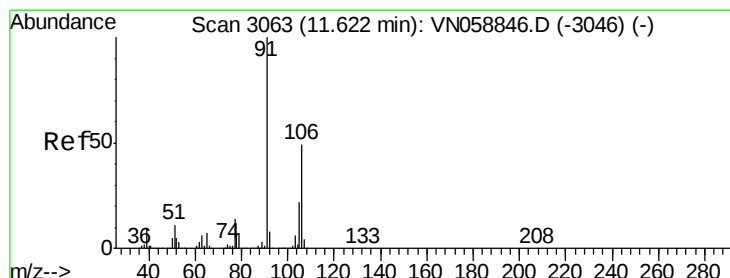
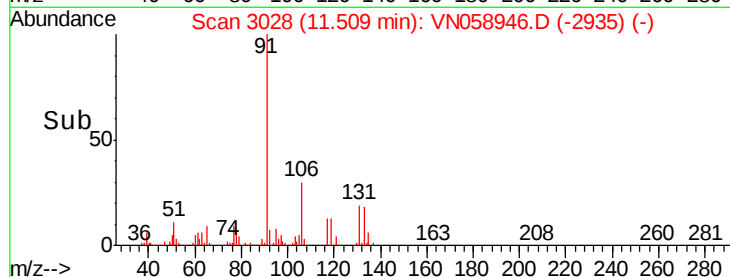
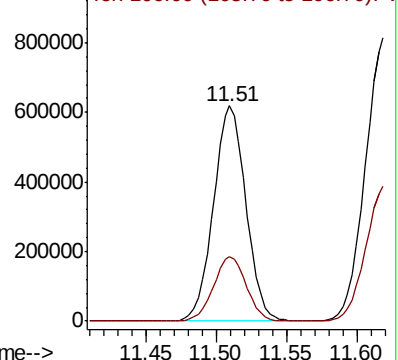
Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 111.635 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058946.D

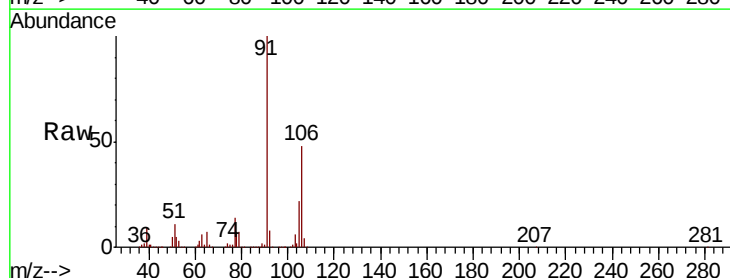
Acq: 24 Oct 2019 9:27

Tgt Ion: 106 Resp: 747348

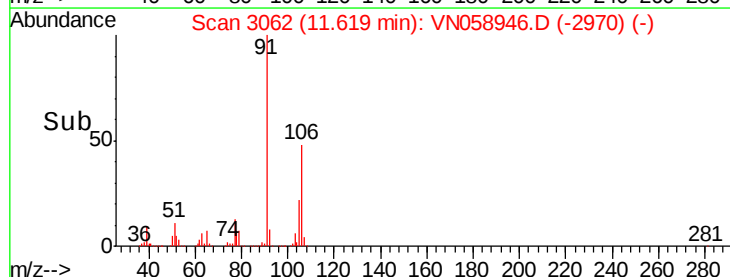
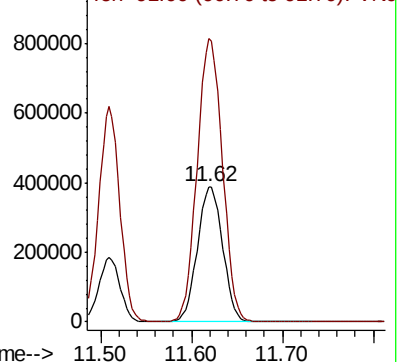
Ion Ratio Lower Upper

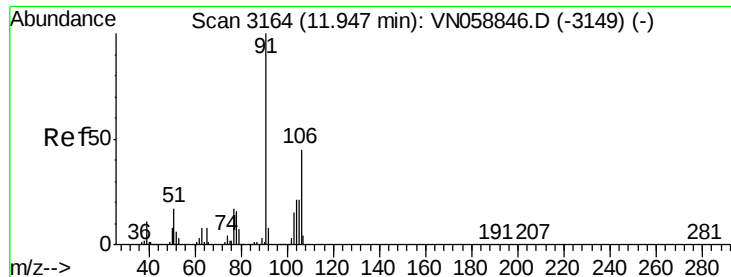
106 100

91 209.6 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)

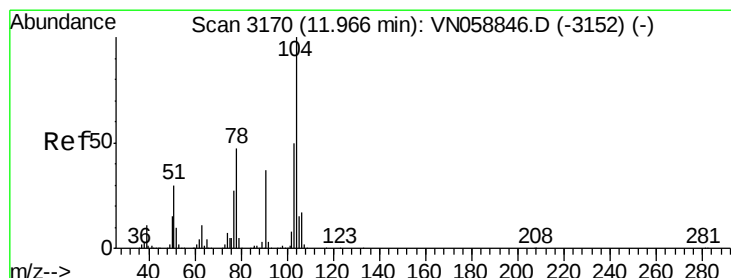
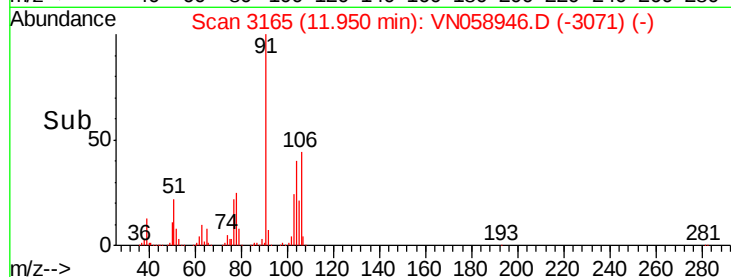
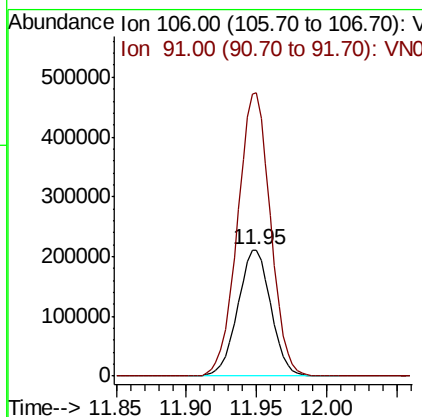
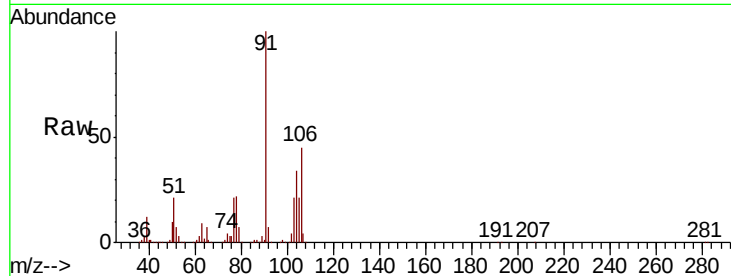




#69
o-Xylene
Concen: 54.336 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

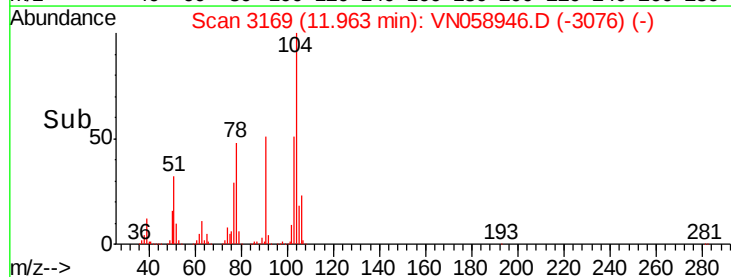
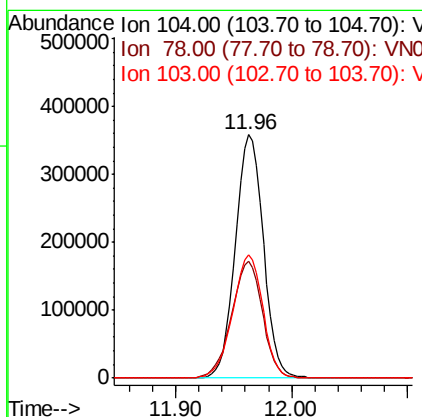
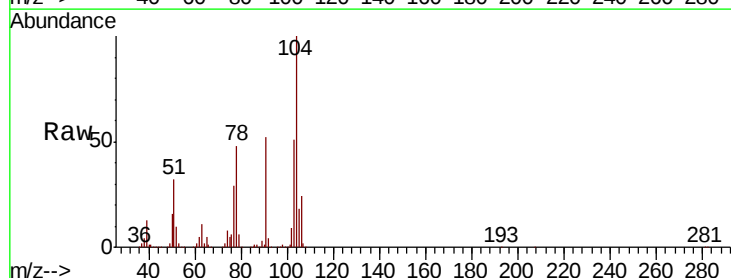
Instrument :
MSVOA_N
ClientSampled :

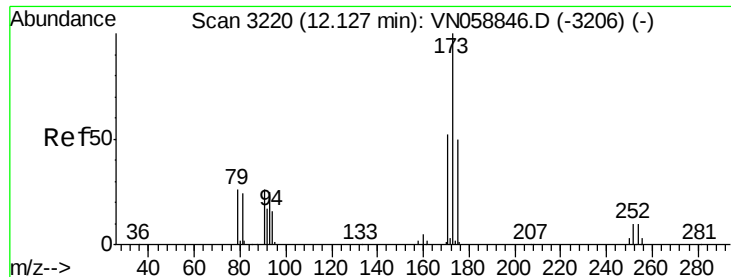
Tot Ion:106 Resp: 346925
Ion Ratio Lower Upper
106 100
91 223.4 111.5 334.4



#70
Styrene
Concen: 50.928 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion:104 Resp: 600596
Ion Ratio Lower Upper
104 100
78 52.9 42.8 64.2
103 54.7 44.3 66.5





#71

Bromoform

Concen: 53.119 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

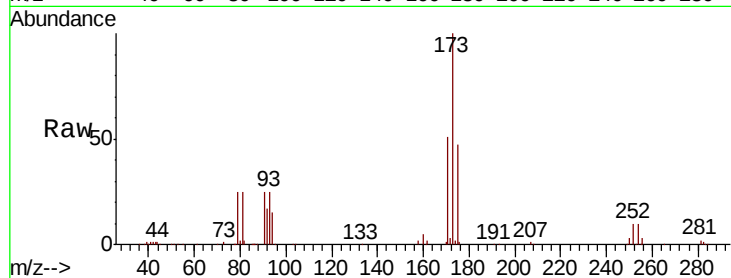
Tot Ion:173 Resp: 159953

Ion Ratio Lower Upper

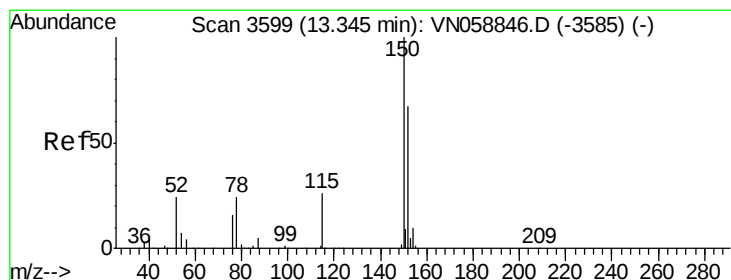
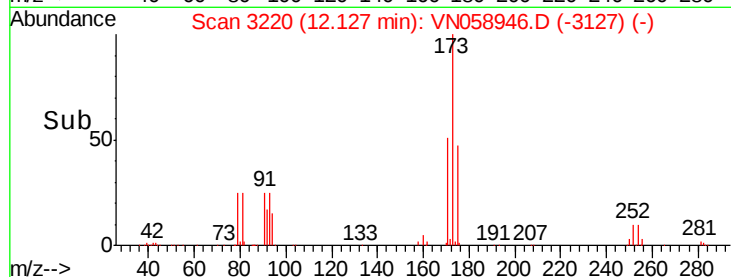
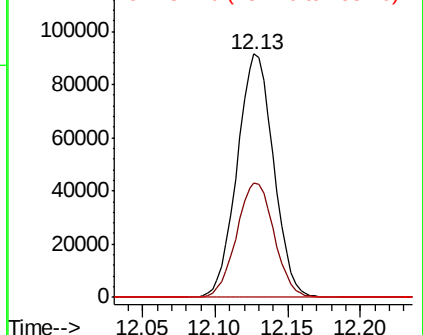
173 100

175 48.5 24.7 74.1

254 0.1 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# 3599

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

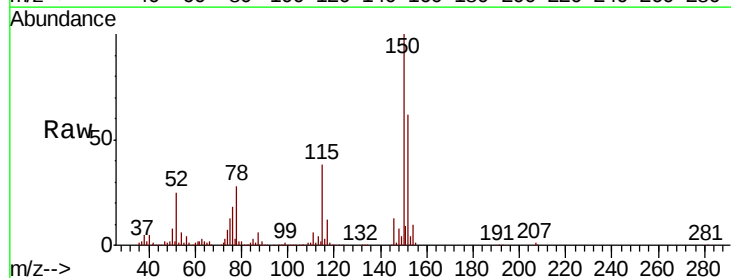
Tgt Ion:152 Resp: 259017

Ion Ratio Lower Upper

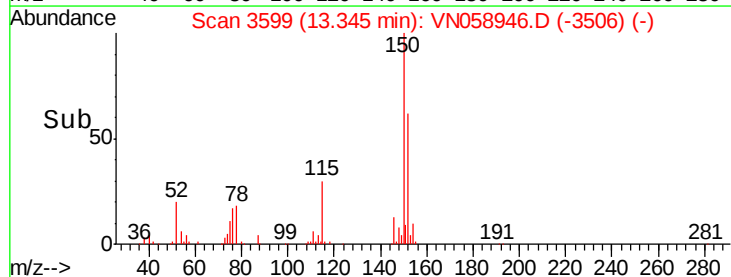
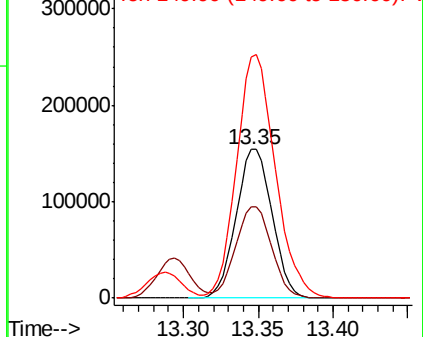
152 100

115 61.6 30.5 91.5

150 175.4 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: 51.130 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

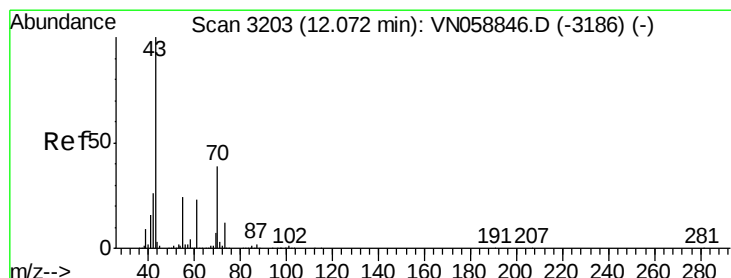
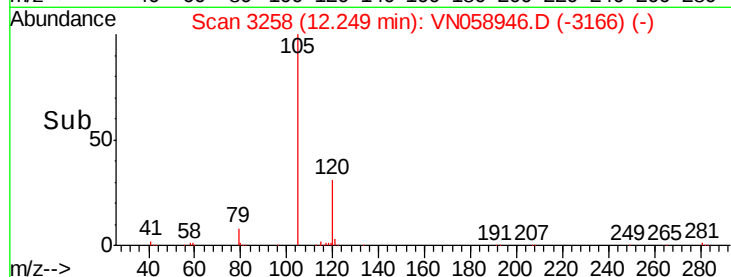
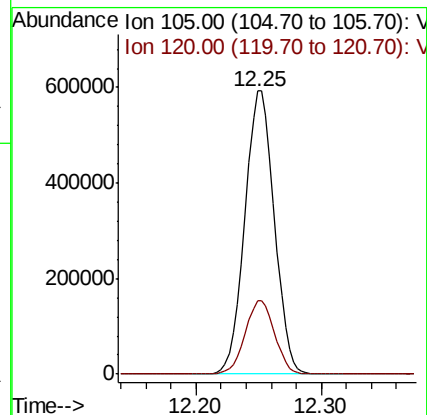
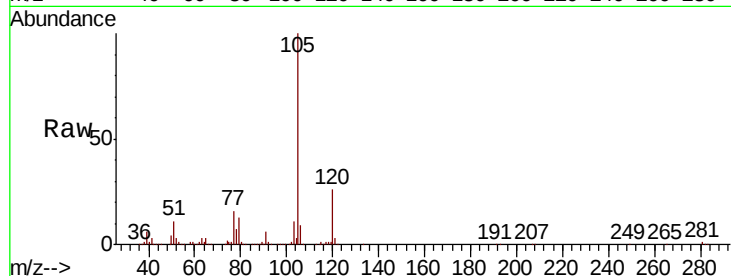
ClientSampleId :

Tot Ion: 105 Resp: 967857

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.4



#74

N-ethyl acetate

Concen: 52.877 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Tgt Ion: 43 Resp: 453776

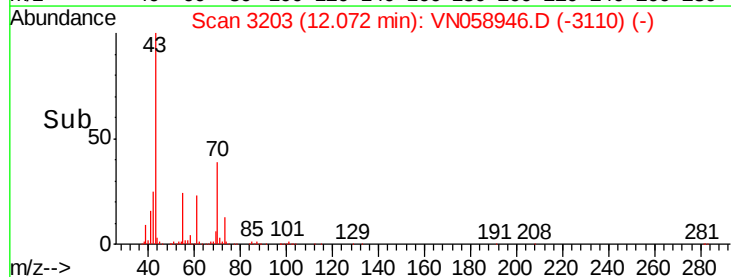
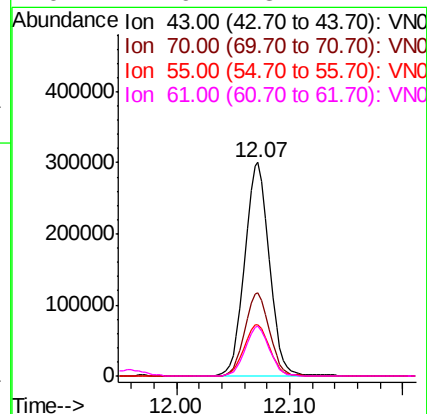
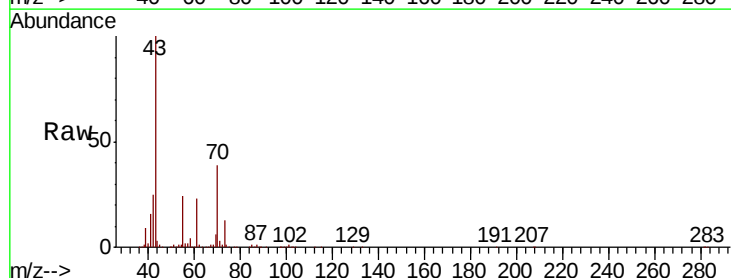
Ion Ratio Lower Upper

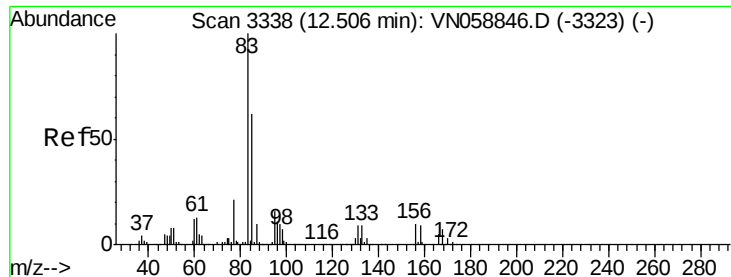
43 100

70 39.4 30.9 46.3

55 25.0 19.7 29.5

61 22.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.527 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

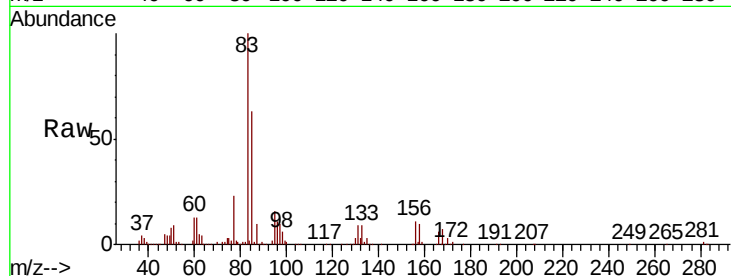
Tot Ion: 83 Resp: 322994

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	64.7	31.7	95.1

83 100

131 9.5 4.7 14.1

85 64.7 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

250000

200000

150000

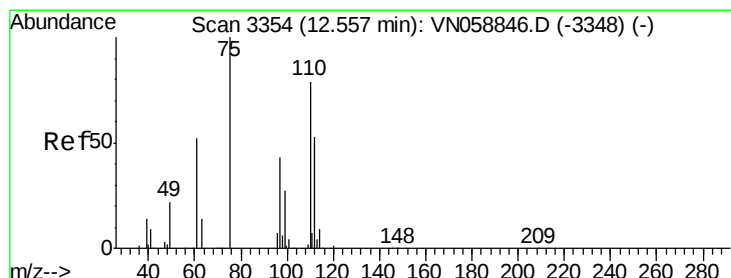
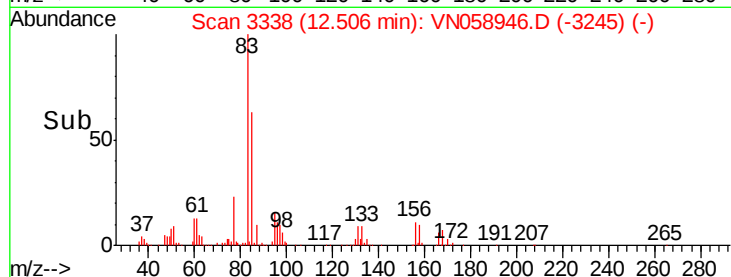
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 73.547 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058946.D

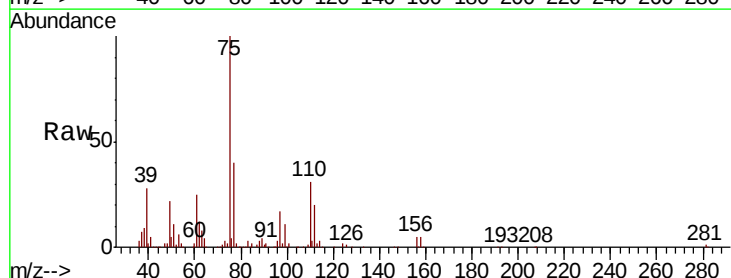
Acq: 24 Oct 2019 9:27

Tgt Ion: 75 Resp: 441503

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): VN0

Ion 77.00 (76.70 to 77.70): VN0

300000

250000

200000

150000

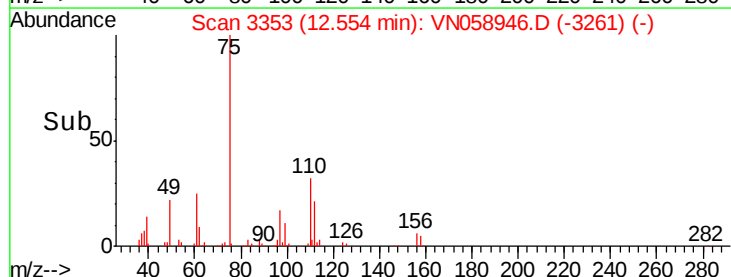
100000

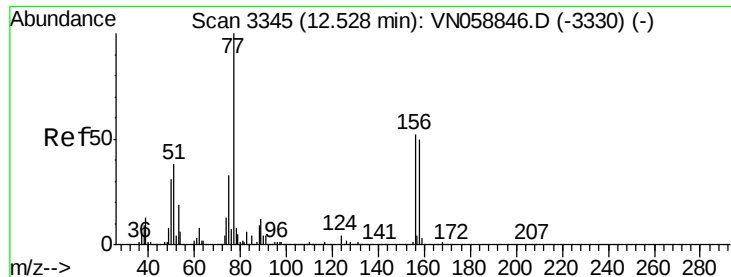
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 49.656 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

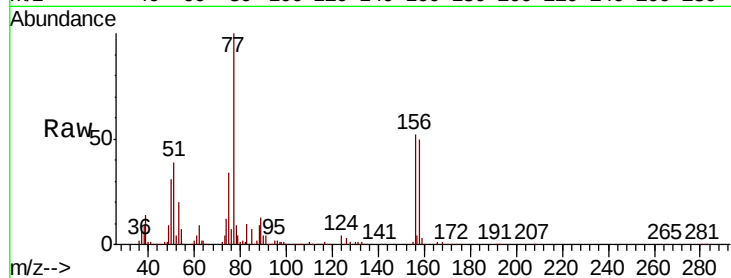
Tot Ion:156 Resp: 231682

Ion Ratio Lower Upper

156 100

77 234.5 118.0 354.0

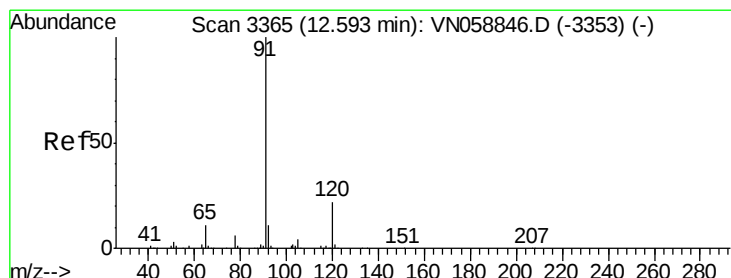
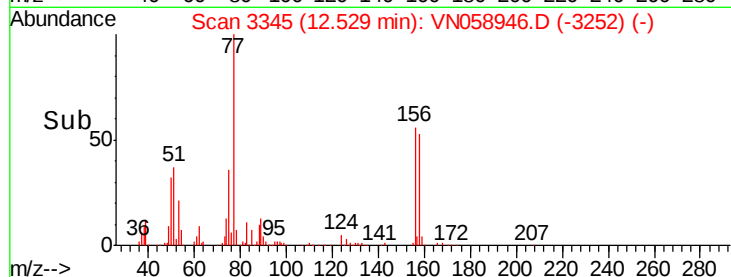
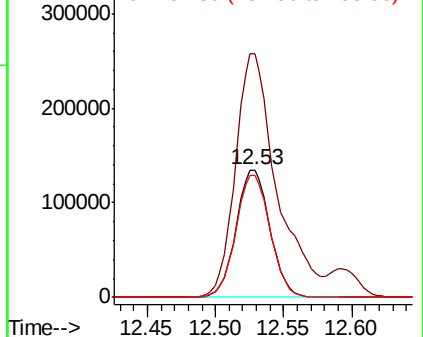
158 97.1 48.3 144.8



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: 52.703 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058946.D

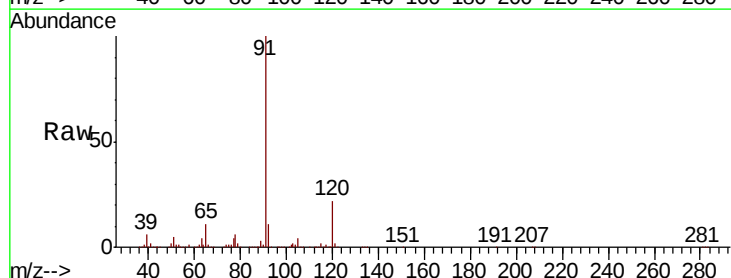
Acq: 24 Oct 2019 9:27

Tgt Ion: 91 Resp: 1179230

Ion Ratio Lower Upper

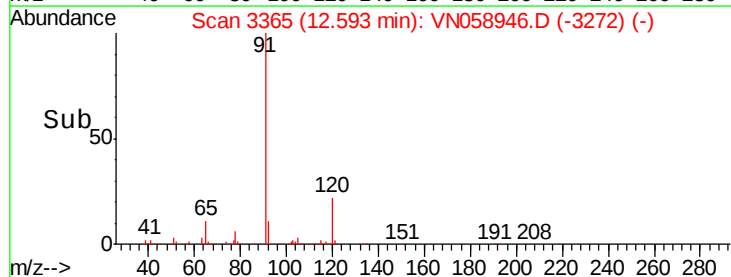
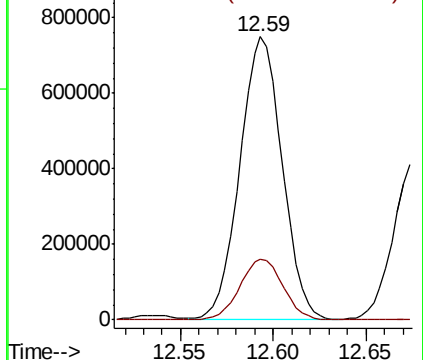
91 100

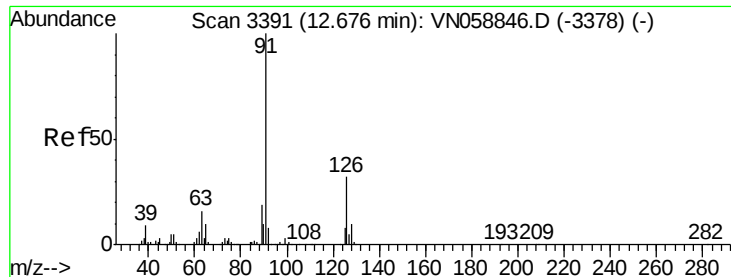
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.338 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

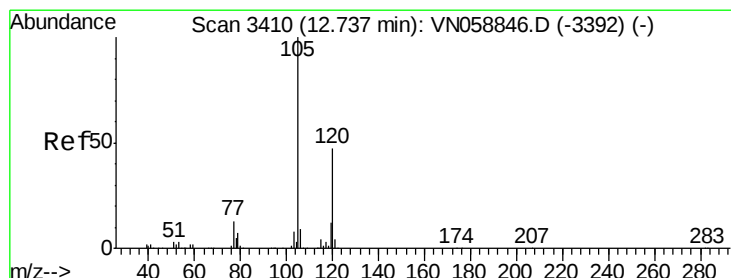
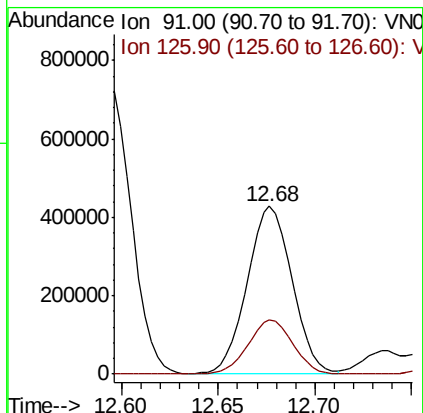
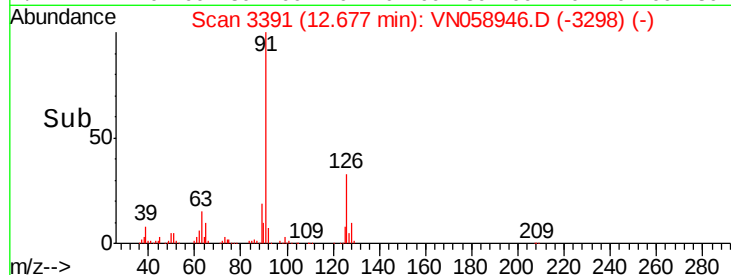
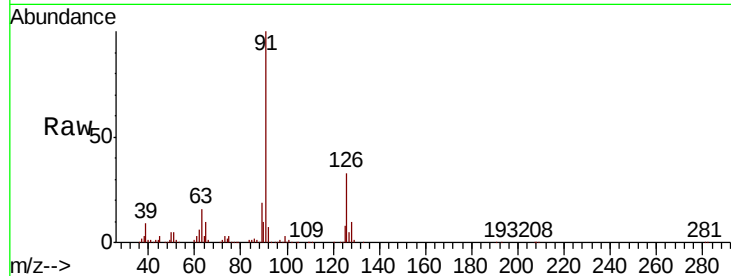
ClientSampled :

Tot Ion: 91 Resp: 689358

Ion Ratio Lower Upper

91 100

126 32.4 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 53.156 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058946.D

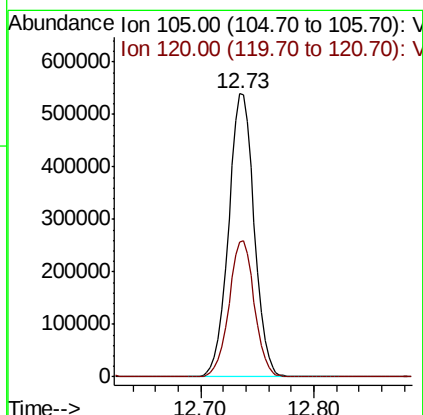
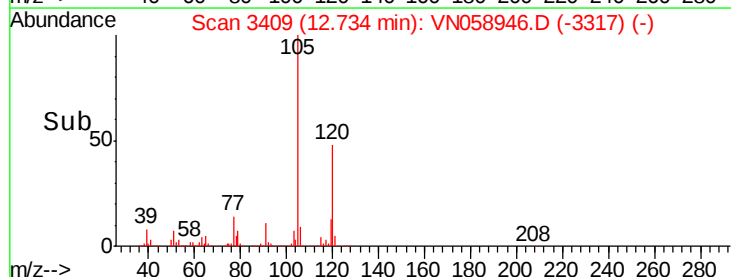
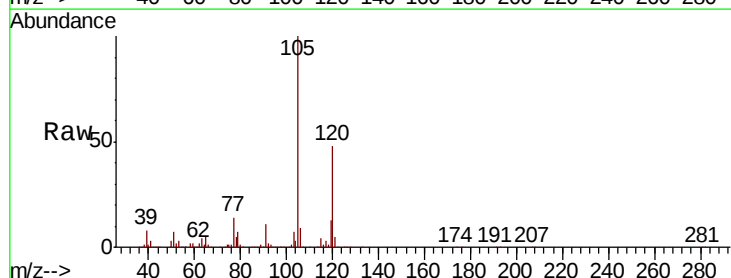
Acq: 24 Oct 2019 9:27

Tgt Ion: 105 Resp: 845391

Ion Ratio Lower Upper

105 100

120 47.7 23.8 71.5

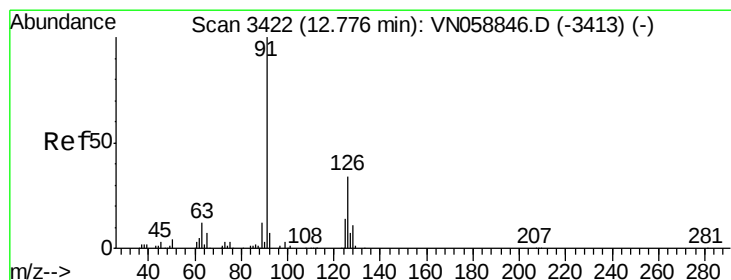
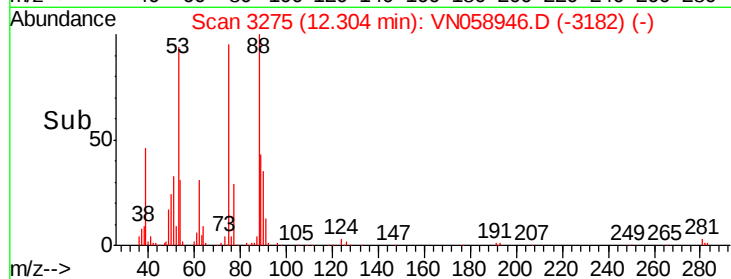
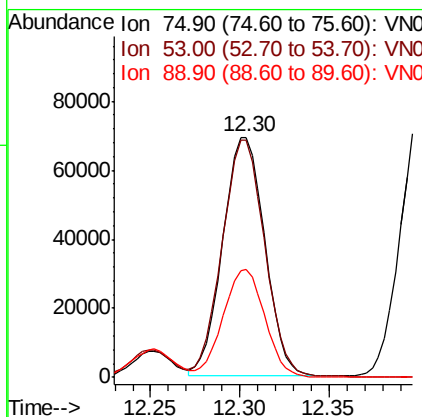
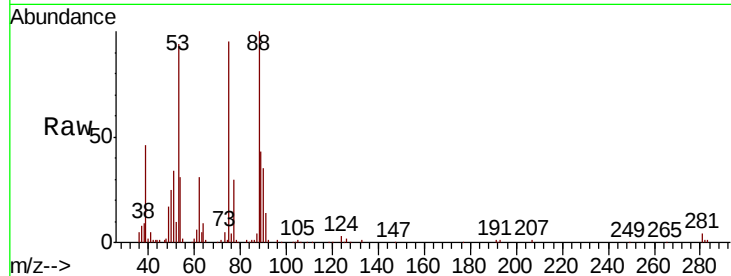




#81
trans-1,4-Dichloro-2-butene
Concen: 49.270 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

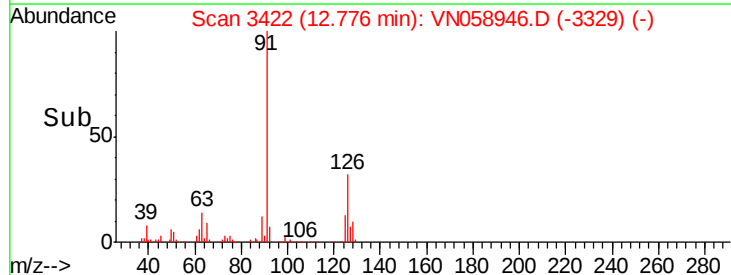
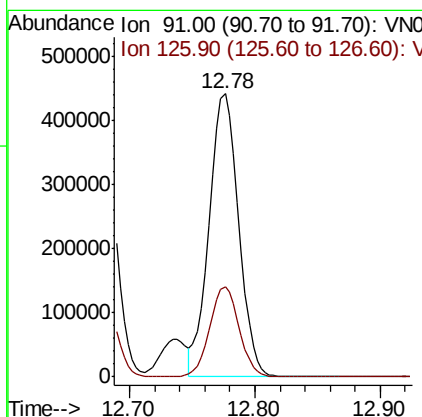
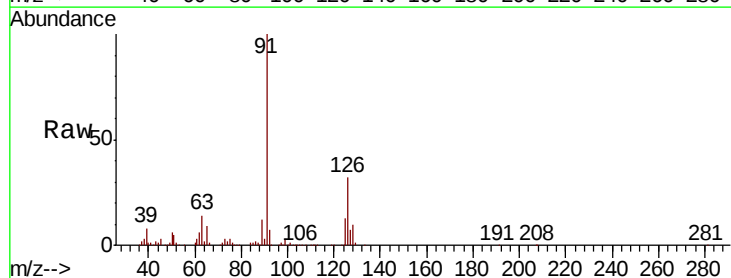
Instrument :
MSVOA_N
ClientSampleId :

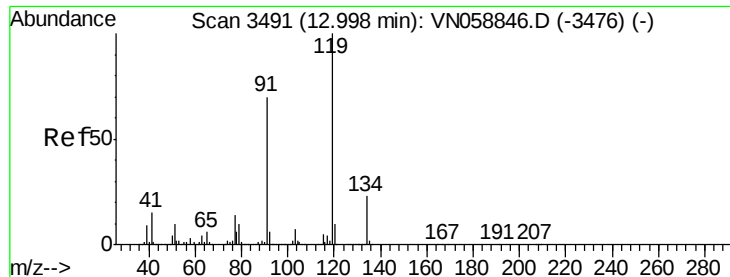
Tot Ion: 75 Resp: 113536
Ion Ratio Lower Upper
75 100
53 100.5 78.6 118.0
89 44.7 35.4 53.0



#82
4-Chlorotoluene
Concen: 51.584 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058946.D
Acq: 24 Oct 2019 9:27

Tgt Ion: 91 Resp: 721912
Ion Ratio Lower Upper
91 100
126 31.7 16.0 47.9





#83

tert-Butylbenzene

Concen: 51.365 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

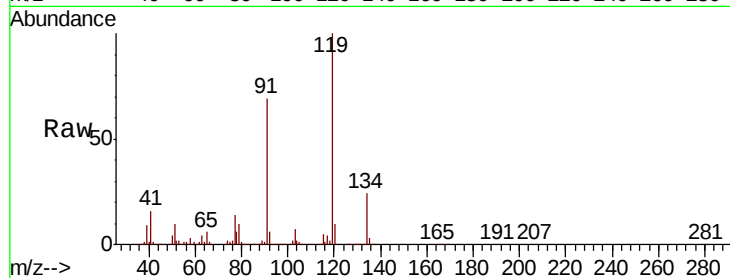
Tot Ion:119 Resp: 698574

Ion Ratio Lower Upper

119 100

91 67.9 34.1 102.3

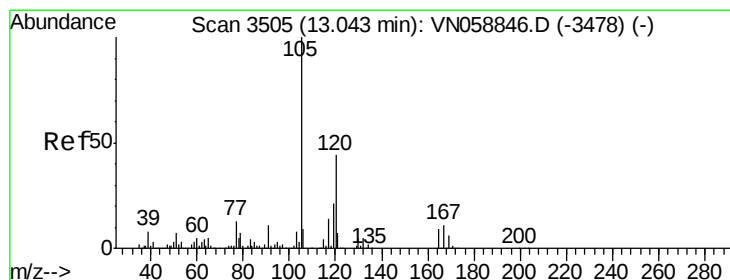
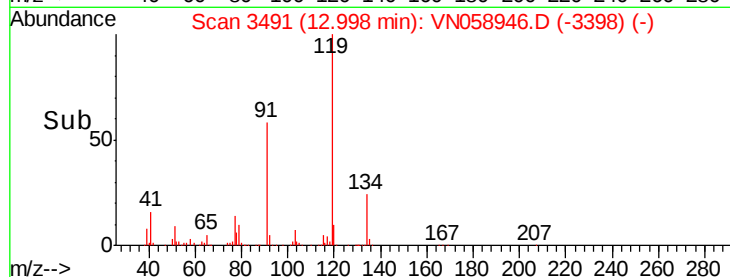
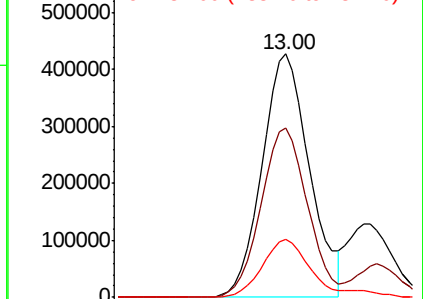
134 23.5 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.141 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058946.D

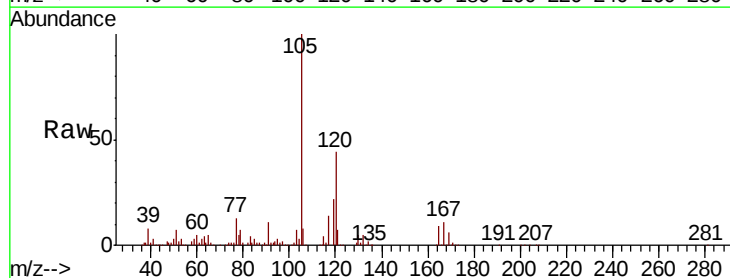
Acq: 24 Oct 2019 9:27

Tgt Ion:105 Resp: 864988

Ion Ratio Lower Upper

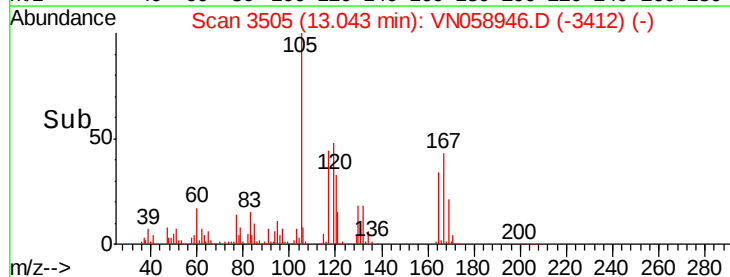
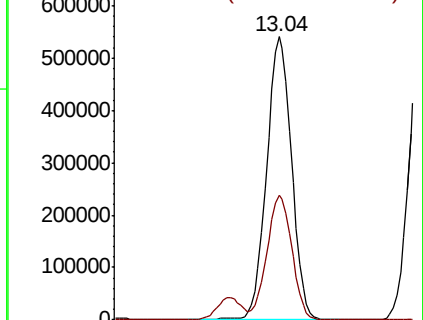
105 100

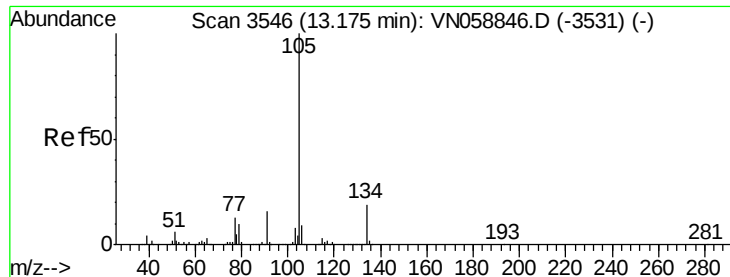
120 44.2 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.654 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

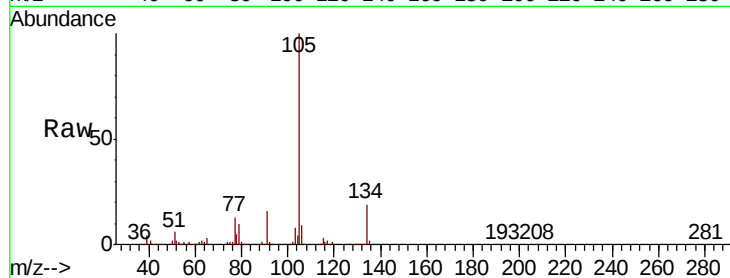
ClientSampleId :

Tot Ion:105 Resp: 972866

Ion Ratio Lower Upper

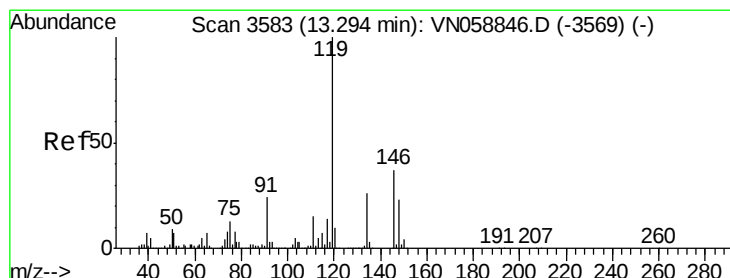
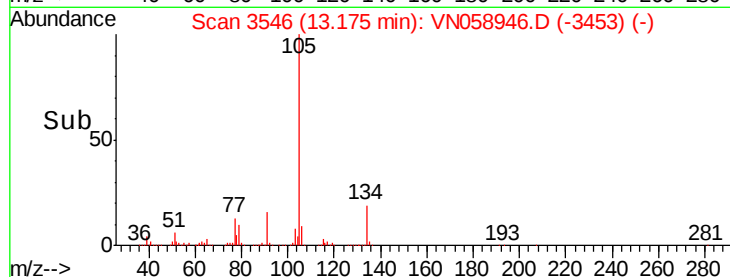
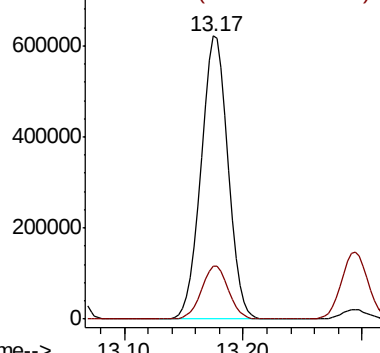
105 100

134 18.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.802 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

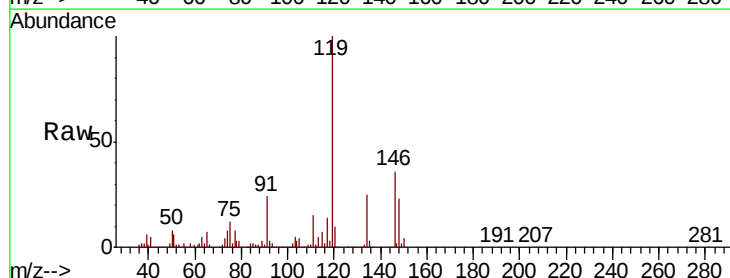
Tgt Ion:119 Resp: 892782

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

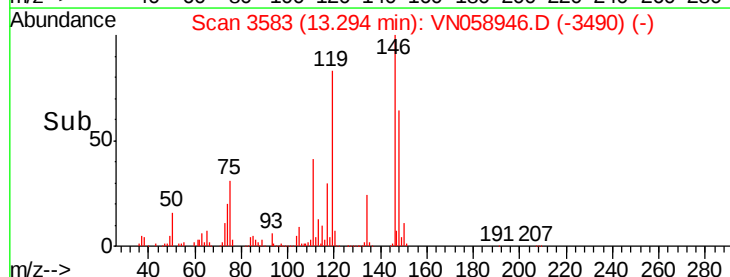
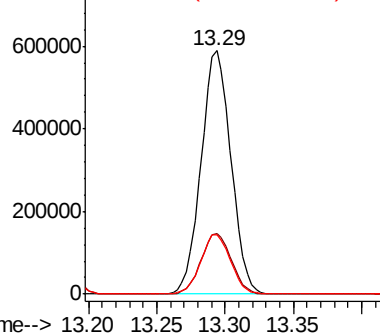
91 24.5 12.2 36.4

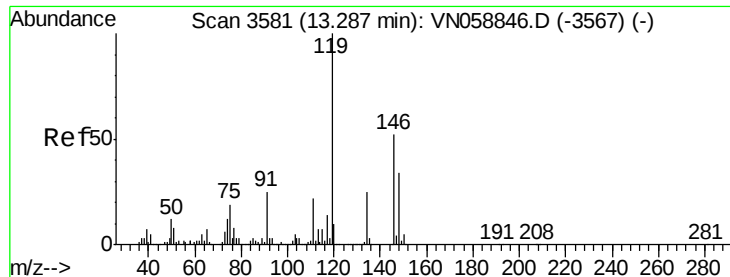


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.163 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

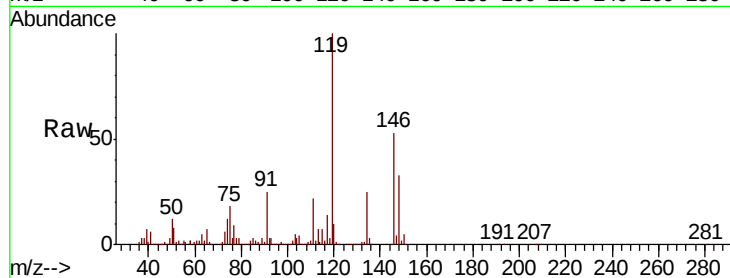
Tot Ion:146 Resp: 435183

Ion Ratio Lower Upper

146 100

111 41.6 21.0 63.0

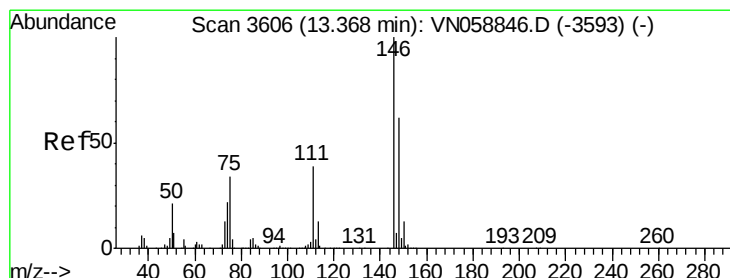
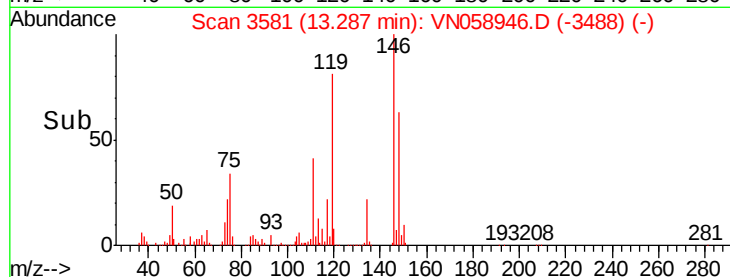
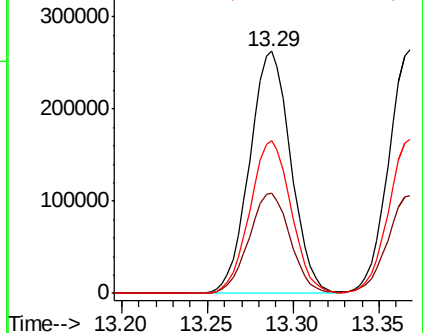
148 63.1 32.1 96.3



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: 51.301 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

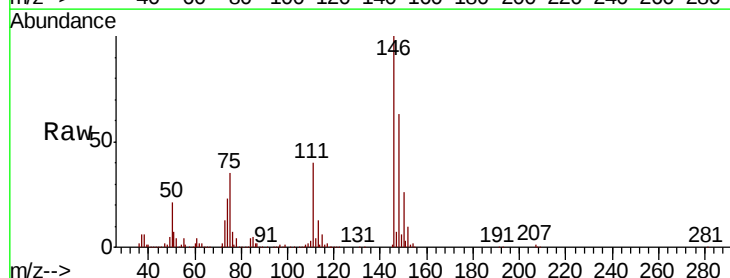
Tgt Ion:146 Resp: 428500

Ion Ratio Lower Upper

146 100

111 41.0 20.2 60.6

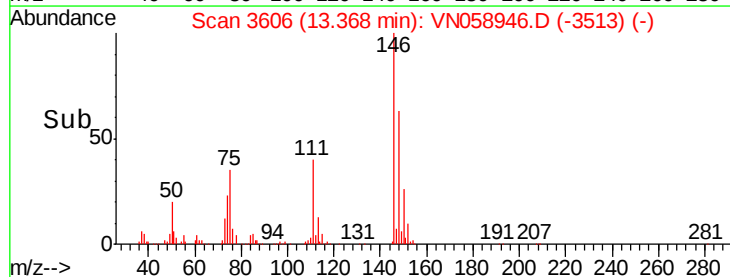
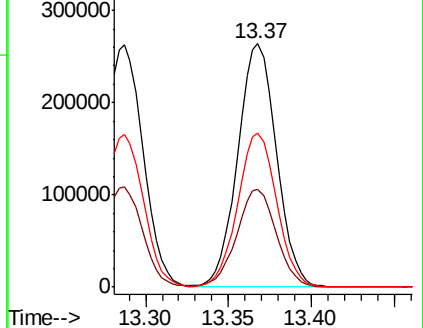
148 63.7 31.6 94.7

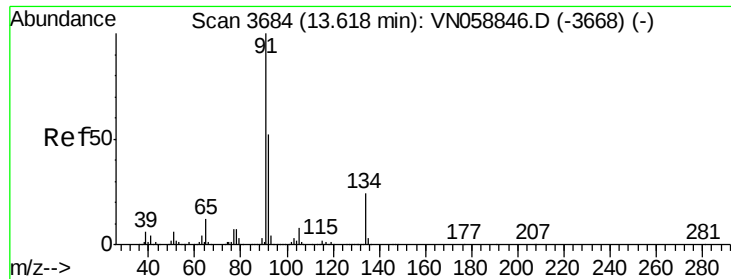


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 54.624 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

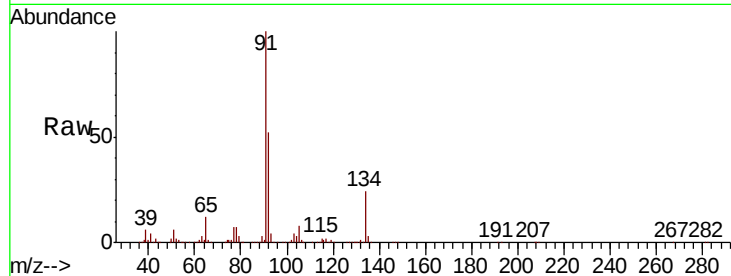
Tot Ion: 91 Resp: 802809

Ion Ratio Lower Upper

91 100

92 51.6 25.7 77.1

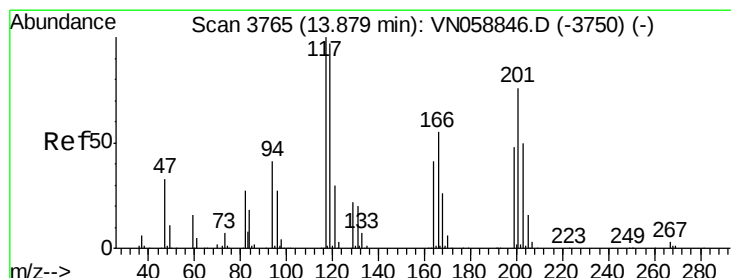
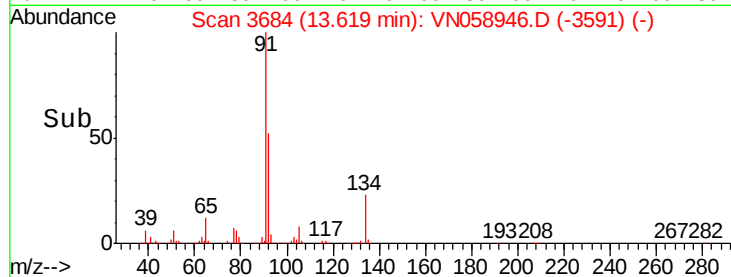
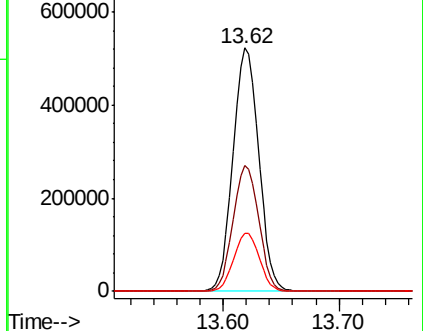
134 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058846.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058846.D (-3668) (-)



#90

Hexachloroethane

Concen: 50.271 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058946.D

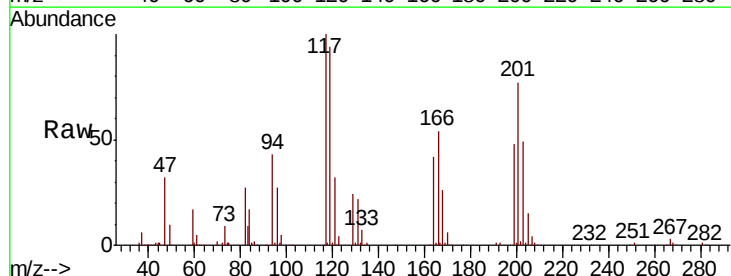
Acq: 24 Oct 2019 9:27

Tgt Ion: 117 Resp: 162977

Ion Ratio Lower Upper

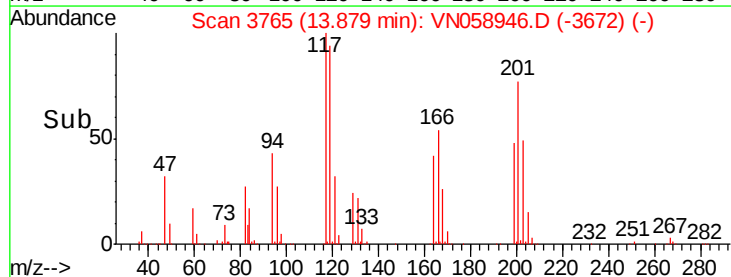
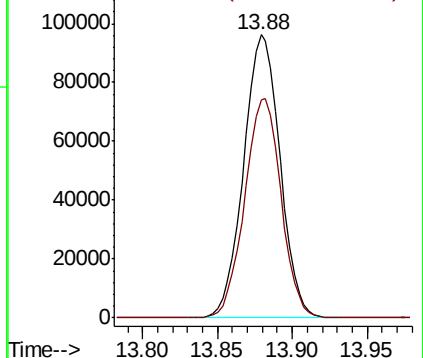
117 100

201 77.4 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058846.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058846.D (-3750) (-)

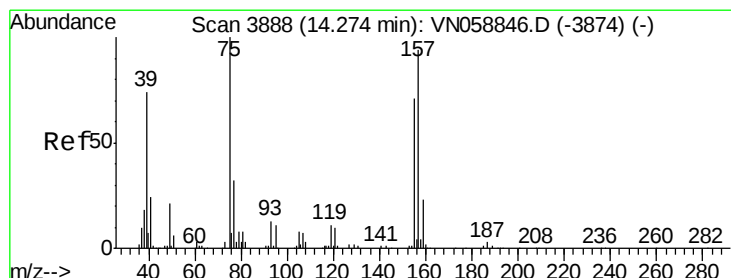
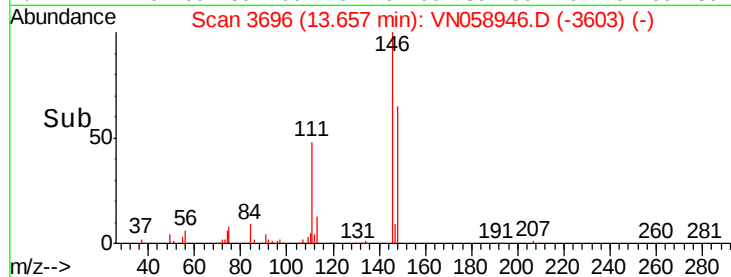
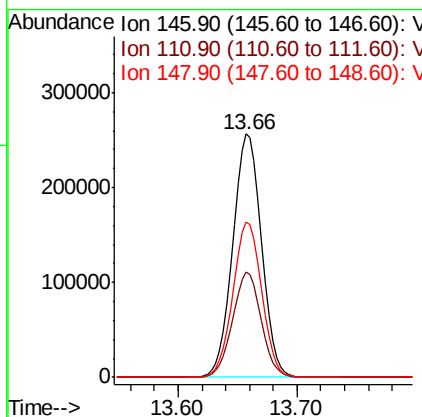
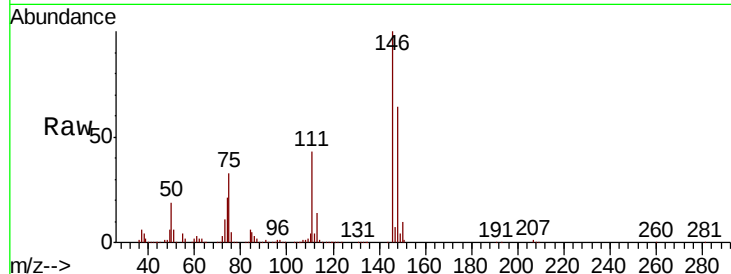




#91
 1,2-Dichlorobenzene
 Concen: 52.327 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

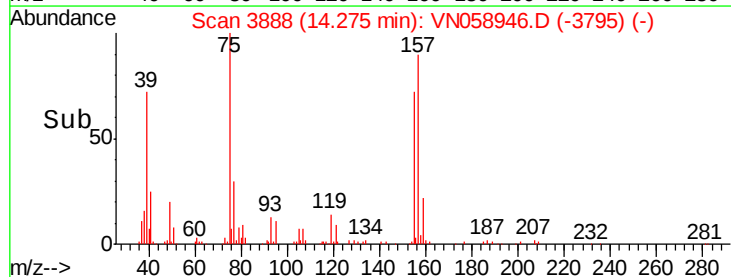
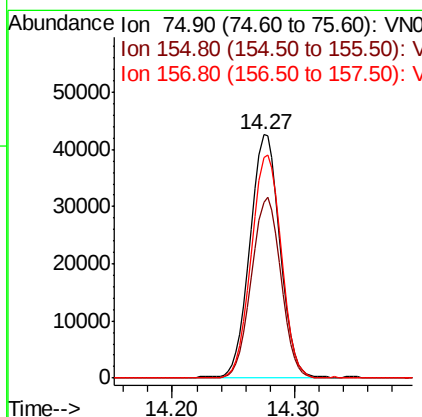
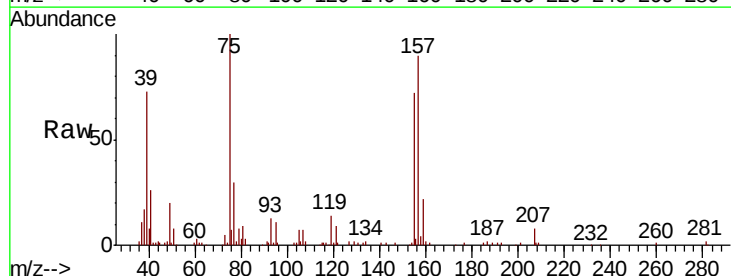
Instrument :
 MSVOA_N
 ClientSampleId :

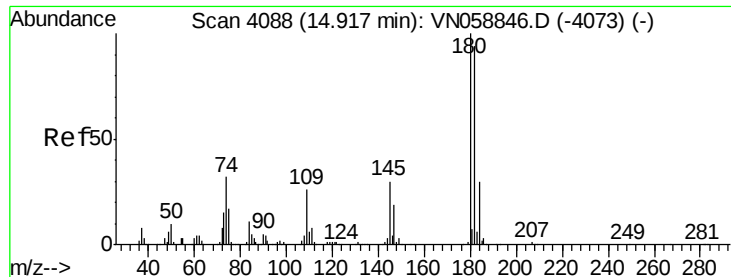
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.8
148	63.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.026 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	35.6	106.8
157	91.2	47.4	142.2

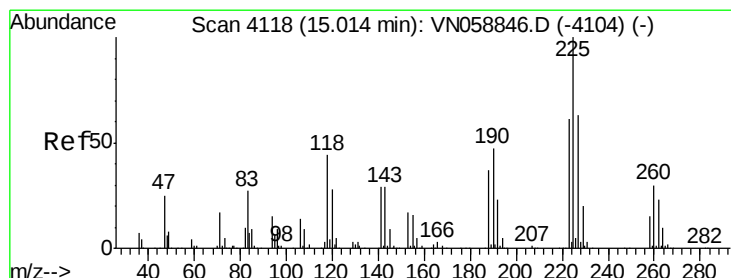
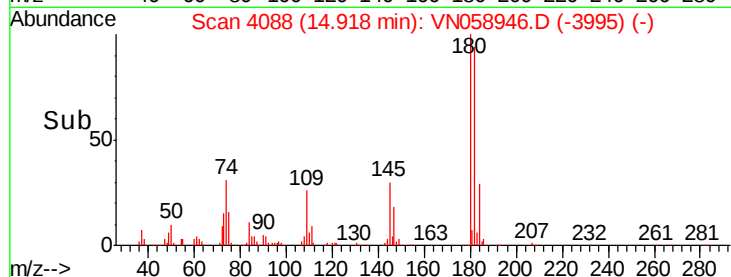
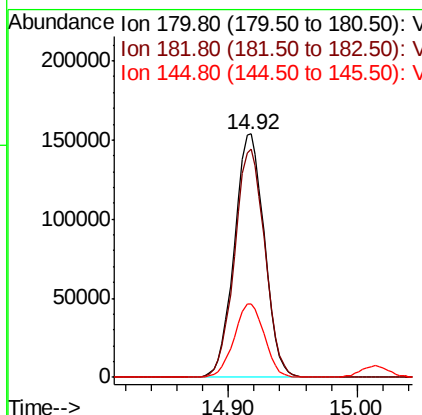
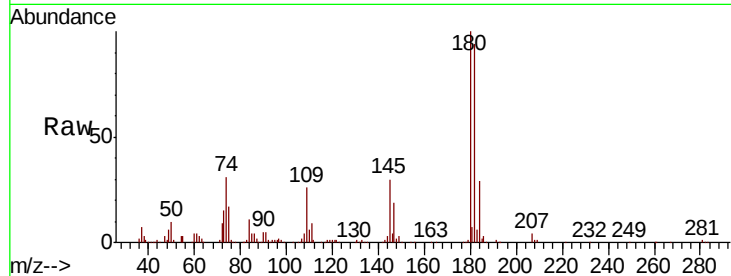




#93
 1,2,4-Trichlorobenzene
 Concen: 48.205 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

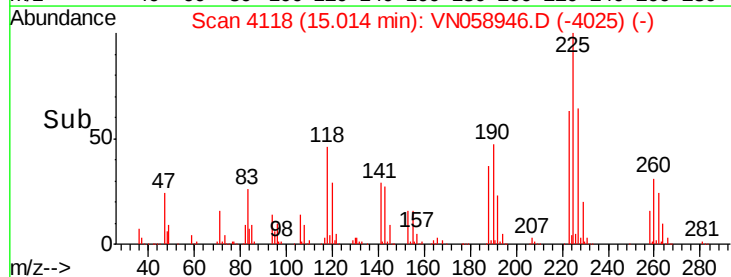
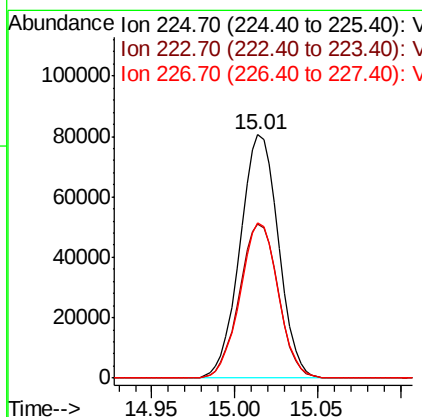
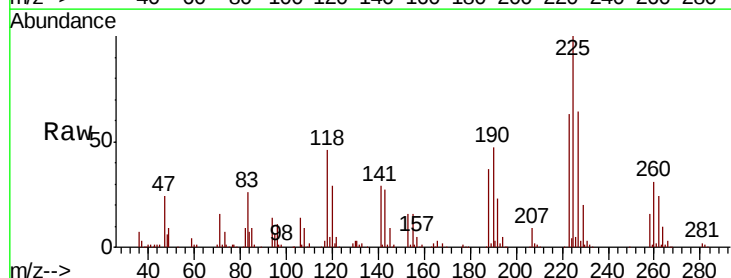
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	142.0
145	30.5	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 48.843 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058946.D
 Acq: 24 Oct 2019 9:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	30.9	92.5
227	63.2	31.6	94.7





#95

Naphthalene

Concen: 46.716 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

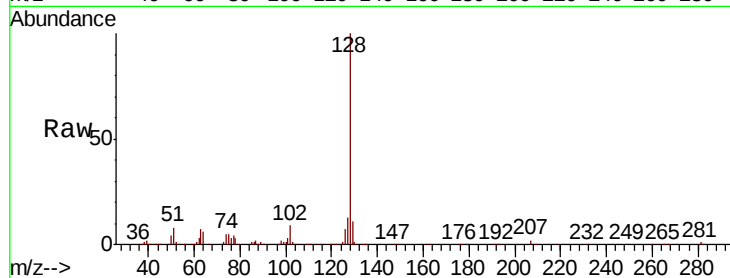
Tot Ion:128 Resp: 690817

Ion Ratio Lower Upper

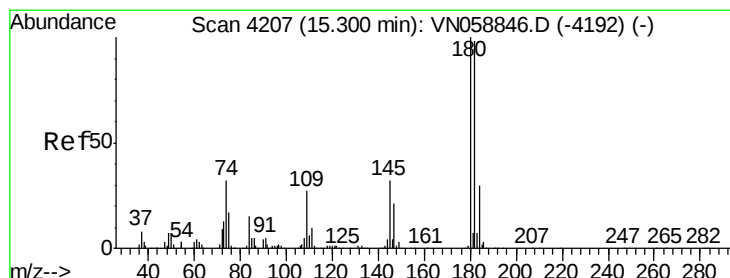
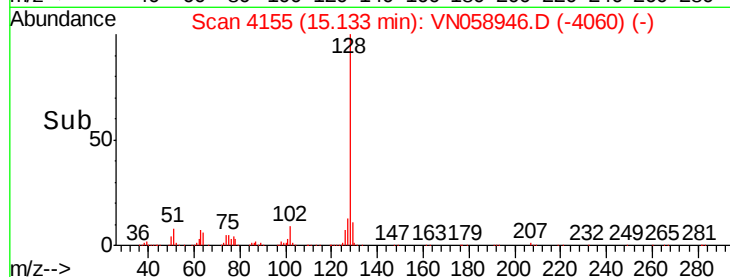
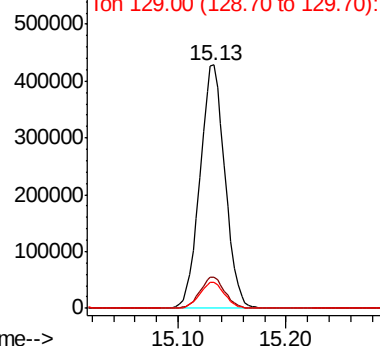
128 100

127 12.8 10.2 15.2

129 10.7 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



#96

1,2,3-Trichlorobenzene

Concen: 48.185 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058946.D

Acq: 24 Oct 2019 9:27

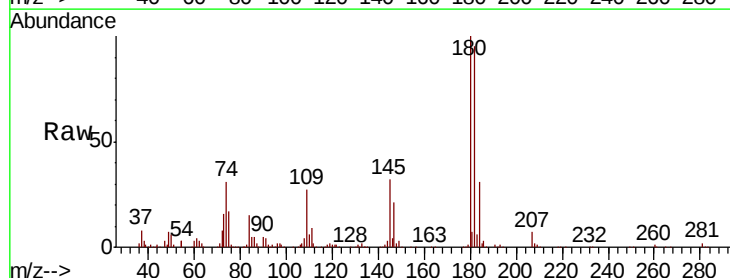
Tgt Ion:180 Resp: 241684

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.7

145 31.7 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

