

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058971.D
 Acq On : 24 Oct 2019 18:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:26:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	551407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	523717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259989	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	241708	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.57	113	179942	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.08	98	701519	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	259092	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	204305	47.341	ug/l	100
3) Chloromethane	2.04	50	245552	45.941	ug/l	99
4) Vinyl Chloride	2.17	62	257255	48.474	ug/l	99
5) Bromomethane	2.54	94	138288	41.611	ug/l	99
6) Chloroethane	2.68	64	160728	47.227	ug/l	98
7) Trichlorofluoromethane	3.00	101	314083	47.831	ug/l	99
8) Diethyl Ether	3.39	74	114831	50.604	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	176012	48.350	ug/l	99
10) Methyl Iodide	3.93	142	198898	41.542	ug/l	99
11) Tert butyl alcohol	4.75	59	201487	239.169	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	167719	49.152	ug/l	99
13) Acrolein	3.58	56	75527	130.478	ug/l	98
14) Allyl chloride	4.30	41	313670	45.428	ug/l	93
15) Acrylonitrile	4.96	53	560735	264.610	ug/l	99
16) Acetone	3.79	43	549669	219.116	ug/l	100
17) Carbon Disulfide	4.03	76	490764	44.648	ug/l	99
18) Methyl Acetate	4.30	43	294664	51.666	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	628235	52.580	ug/l	98
20) Methylene Chloride	4.53	84	206471	48.202	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	187569	49.775	ug/l	96
22) Diisopropyl ether	5.93	45	729470	54.012	ug/l	96
23) Vinyl Acetate	5.87	43	3074676	283.360	ug/l	100
24) 1,1-Dichloroethane	5.82	63	391847	50.037	ug/l	100
25) 2-Butanone	6.81	43	803696	246.806	ug/l	100
26) 2,2-Dichloropropane	6.80	77	328717	48.528	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	218841	50.837	ug/l	99
28) Bromochloromethane	7.18	49	130269	49.948	ug/l	100
29) Tetrahydrofuran	7.19	42	528849	265.480	ug/l	100
30) Chloroform	7.35	83	390801	49.749	ug/l	100
31) Cyclohexane	7.63	56	346899	47.549	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	334650	50.541	ug/l	99
36) 1,1-Dichloropropene	7.77	75	290754	51.504	ug/l	99
37) Ethyl Acetate	6.91	43	323638	52.614	ug/l	99
38) Carbon Tetrachloride	7.75	117	292542	50.302	ug/l	99

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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	326352	51.485	ug/l	98
40) Benzene	8.02	78	858008	51.758	ug/l	99
41) Methacrylonitrile	7.19	41	480534	175.402	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	319211	49.988	ug/l	100
43) Isopropyl Acetate	8.15	43	531127	53.839	ug/l	99
44) Trichloroethene	8.82	130	202657	50.185	ug/l	97
45) 1,2-Dichloropropane	9.11	63	235599	51.829	ug/l	99
46) Dibromomethane	9.20	93	147826	51.441	ug/l	99
47) Bromodichloromethane	9.39	83	309910	52.324	ug/l	98
48) Methyl methacrylate	9.19	41	244190	54.557	ug/l	99
49) 1,4-Dioxane	9.19	88	71400	971.771	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1687440	292.848	ug/l	99
52) Toluene	10.15	92	534304	54.351	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	352112	53.702	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	368850	52.655	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	215902	53.313	ug/l	99
56) Ethyl methacrylate	10.42	69	339012	49.842	ug/l	99
57) 1,3-Dichloropropane	10.70	76	376790	53.011	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	743444	258.608	ug/l	100
59) 2-Hexanone	10.75	43	1257048	282.317	ug/l	99
60) Dibromochloromethane	10.90	129	233385	53.542	ug/l	99
61) 1,2-Dibromoethane	11.00	107	221399	53.421	ug/l	100
64) Tetrachloroethene	10.63	164	182514	49.762	ug/l	99
65) Chlorobenzene	11.43	112	558028	52.337	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	214486	53.309	ug/l	98
67) Ethyl Benzene	11.51	91	1033983	55.282	ug/l	98
68) m/p-Xylenes	11.62	106	759877	109.551	ug/l	98
69) o-Xylene	11.95	106	359446	54.335	ug/l	98
70) Styrene	11.97	104	617250	50.530	ug/l	99
71) Bromoform	12.13	173	168595	54.038	ug/l #	99
73) Isopropylbenzene	12.25	105	1001616	52.716	ug/l	100
74) N-amyl acetate	12.07	43	469307	54.482	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	338300	50.637	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	450137	74.705	ug/l #	100
77) Bromobenzene	12.53	156	237041	50.615	ug/l	98
78) n-propylbenzene	12.59	91	1191612	53.057	ug/l	100
79) 2-Chlorotoluene	12.68	91	704975	51.286	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	860202	53.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	114148	49.351	ug/l	98
82) 4-Chlorotoluene	12.78	91	730378	51.994	ug/l	100
83) tert-Butylbenzene	13.00	119	722263	52.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	857733	54.474	ug/l	99
85) sec-Butylbenzene	13.17	105	978574	53.767	ug/l	99
86) p-Isopropyltoluene	13.29	119	882572	54.958	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	431103	51.481	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	424495	50.632	ug/l	99
89) n-Butylbenzene	13.62	91	795407	53.918	ug/l	99
90) Hexachloroethane	13.88	117	163091	50.118	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	426512	51.820	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72036	47.672	ug/l	98

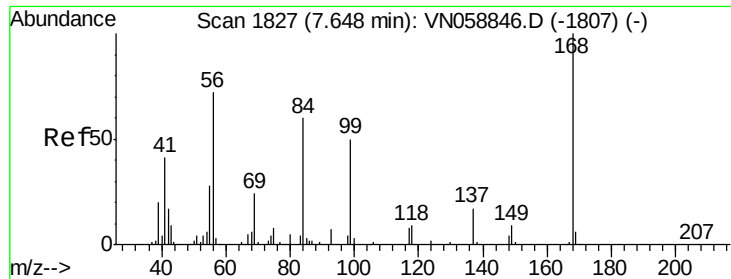
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	249066	48.167	ug/l	100
94) Hexachlorobutadiene	15.01	225	130522	48.927	ug/l	98
95) Naphthalene	15.13	128	718983	48.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	246525	48.927	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

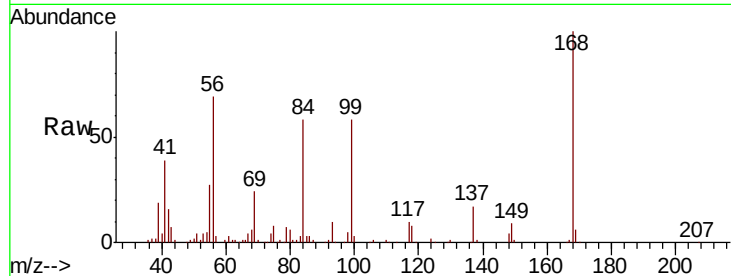
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 346137

Ion Ratio Lower Upper

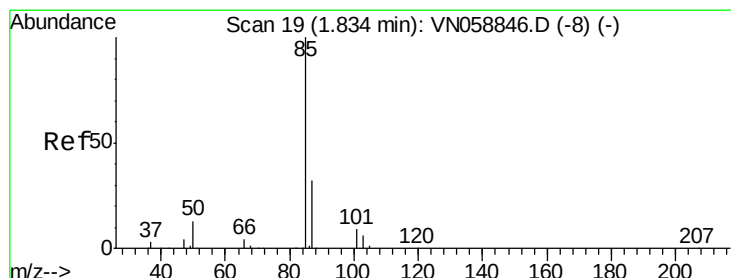
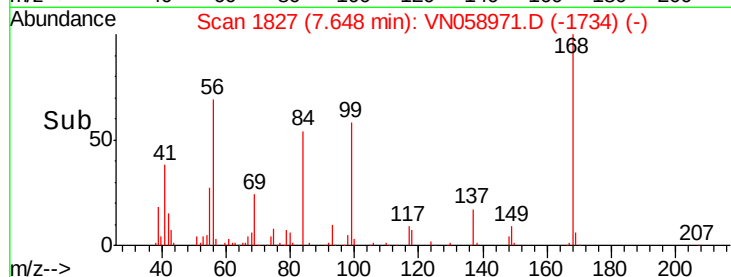
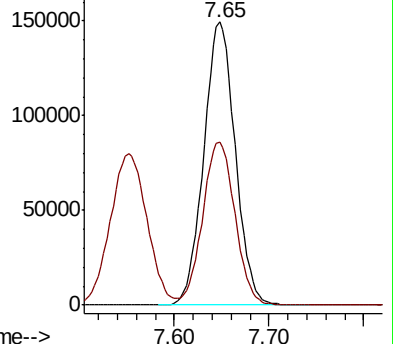
168 100

99 57.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.341 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058971.D

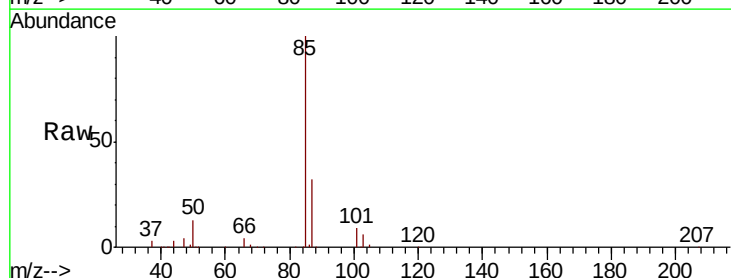
Acq: 24 Oct 2019 18:52

Tgt Ion: 85 Resp: 204305

Ion Ratio Lower Upper

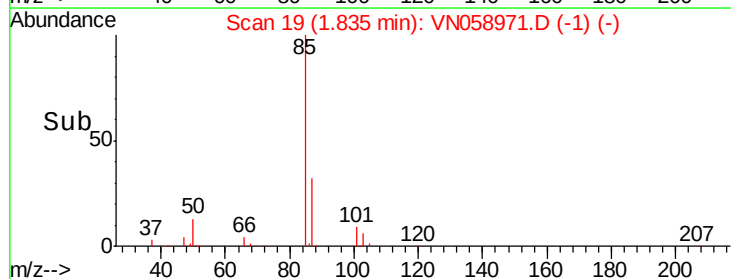
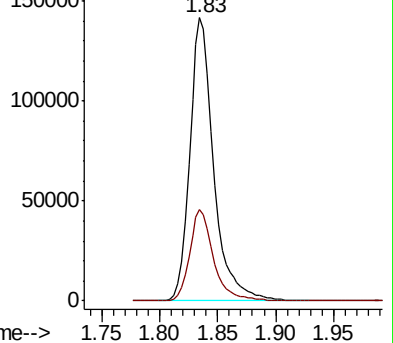
85 100

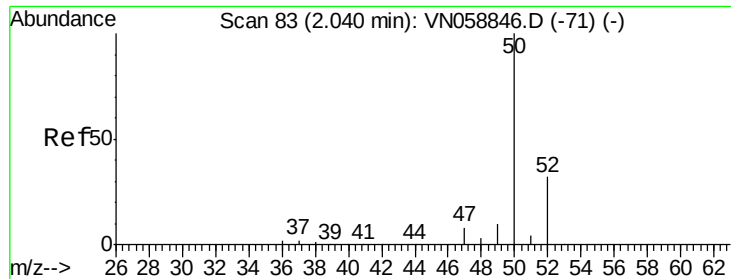
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.941 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

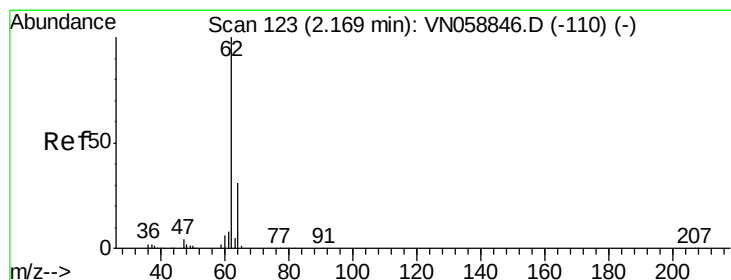
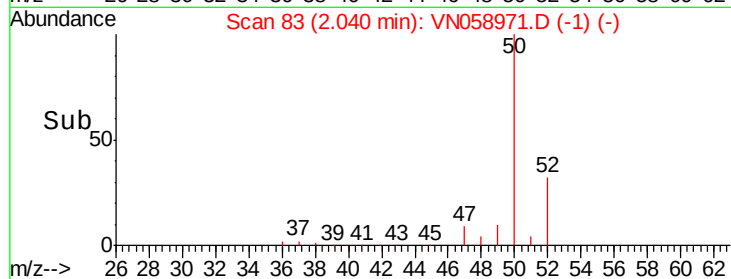
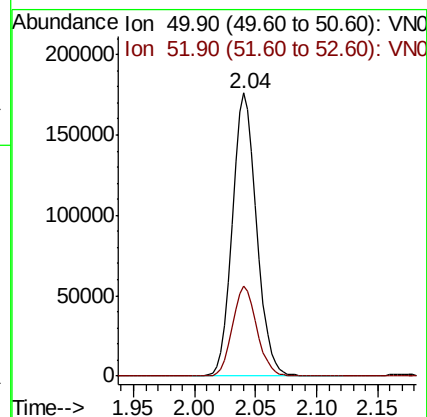
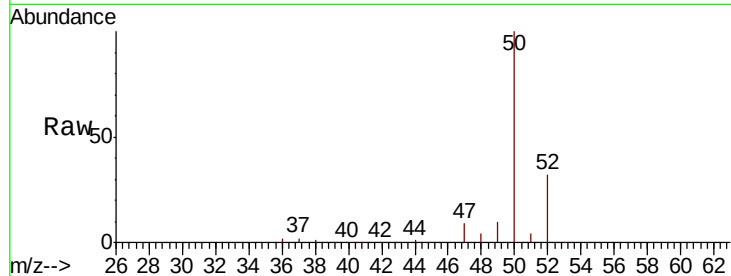
ClientSampled :

Tot Ion: 50 Resp: 245552

Ion Ratio Lower Upper

50 100

52 31.7 25.7 38.5



#4

Vinyl Chloride

Concen: 48.474 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058971.D

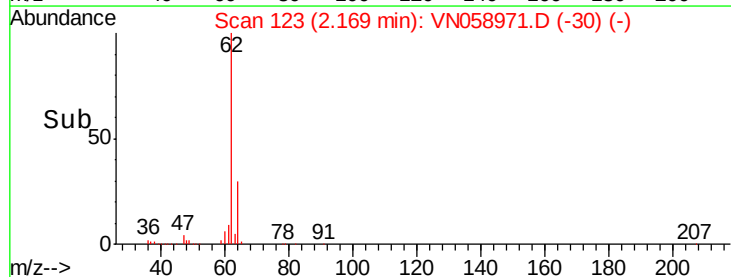
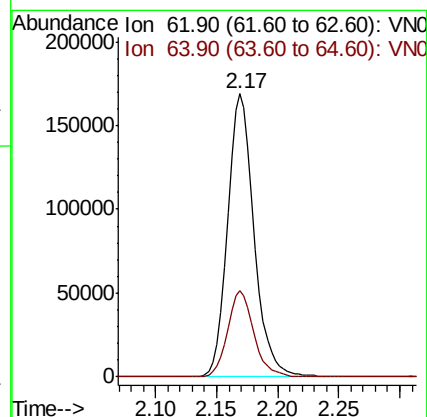
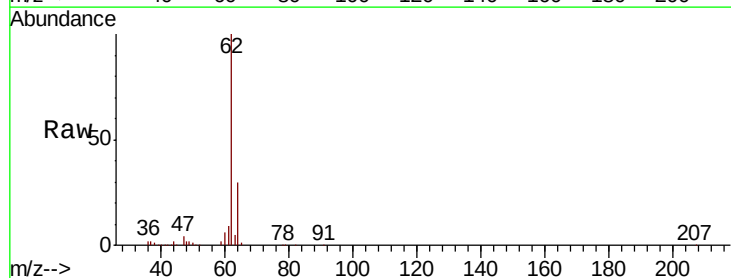
Acq: 24 Oct 2019 18:52

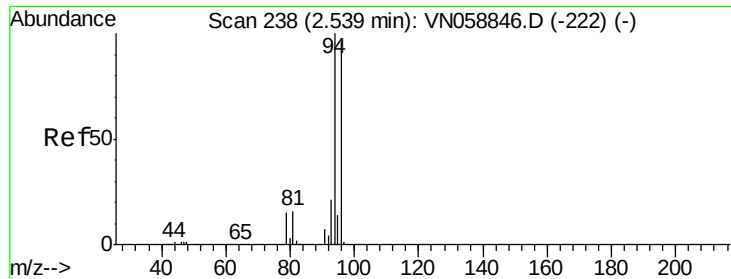
Tgt Ion: 62 Resp: 257255

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8





#5

Bromomethane

Concen: 41.611 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

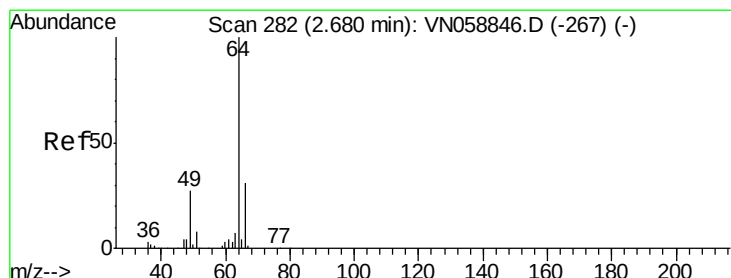
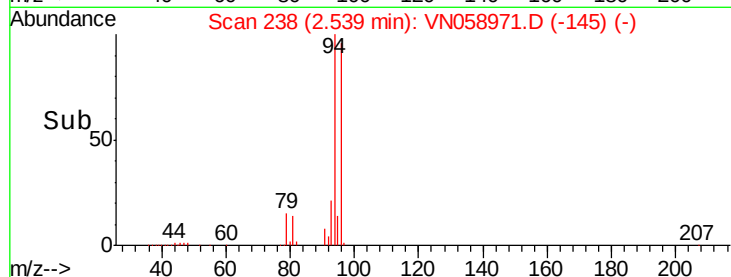
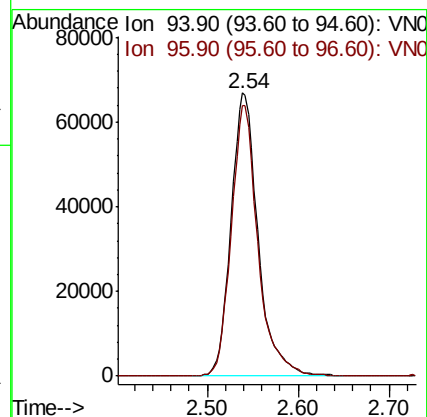
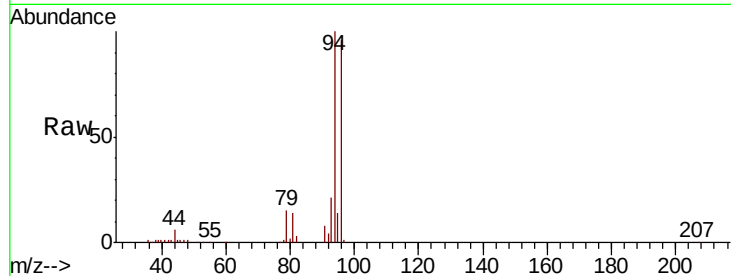
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 138288

Ion Ratio Lower Upper

94 100

96 95.7 77.0 115.6



#6

Chloroethane

Concen: 47.227 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058971.D

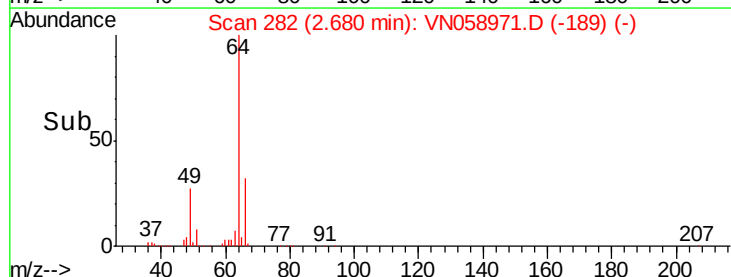
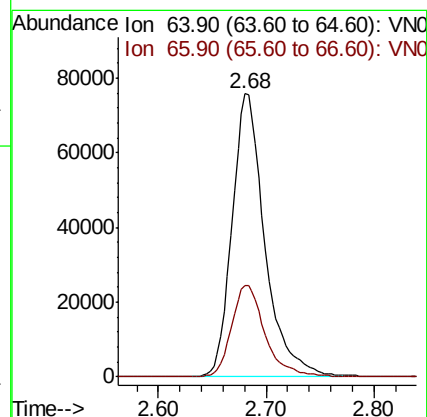
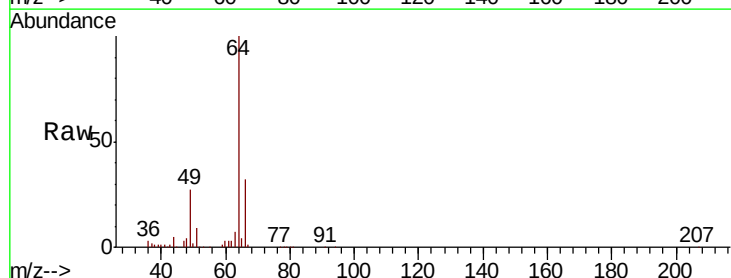
Acq: 24 Oct 2019 18:52

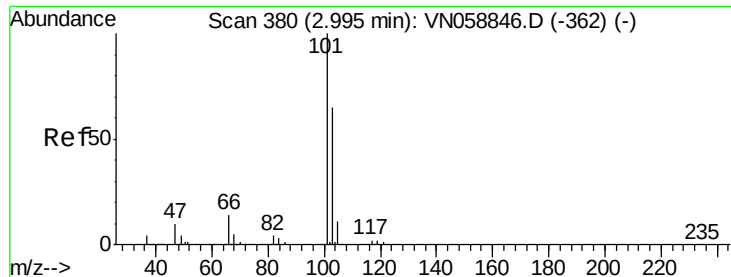
Tgt Ion: 64 Resp: 160728

Ion Ratio Lower Upper

64 100

66 32.4 25.0 37.4



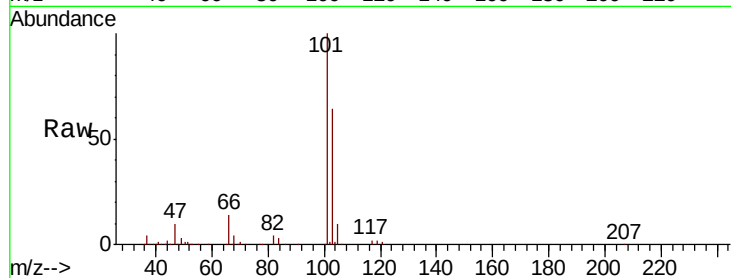


#7

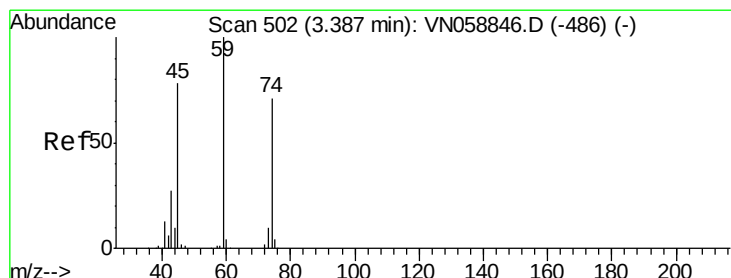
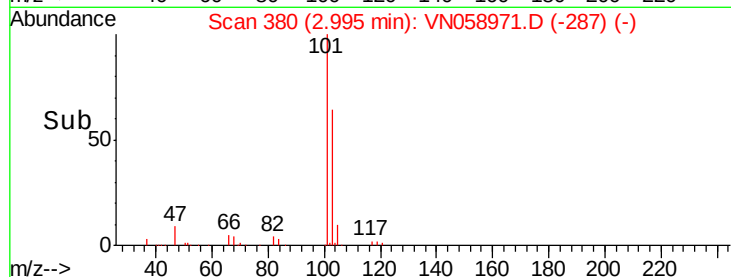
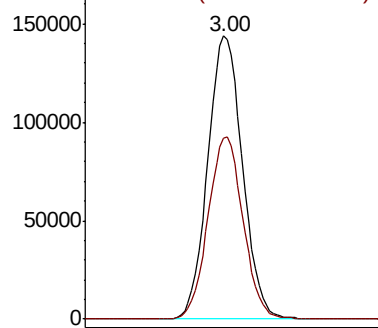
Trichlorofluoromethane
Concen: 47.831 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 314083
Ion Ratio Lower Upper
101 100
103 64.1 52.2 78.2



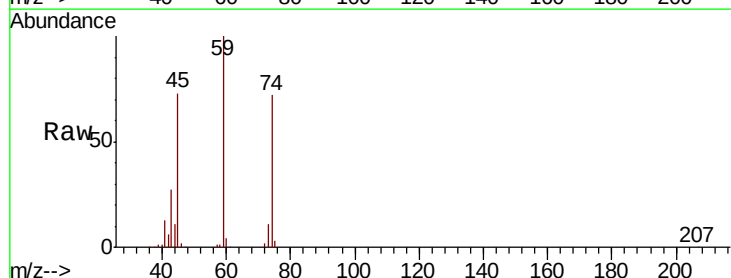
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



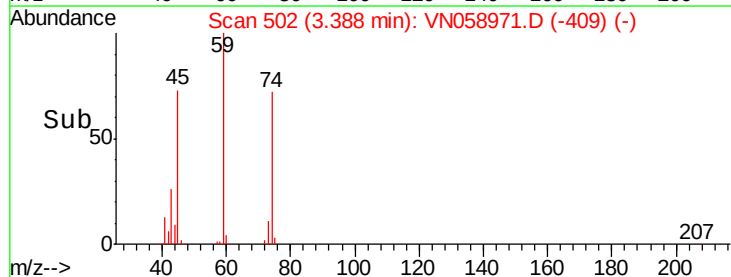
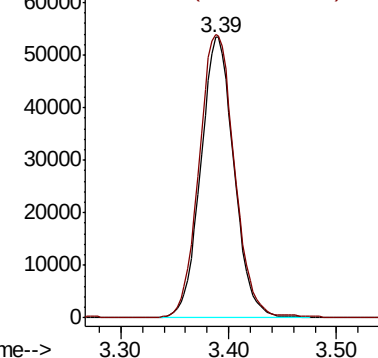
#8

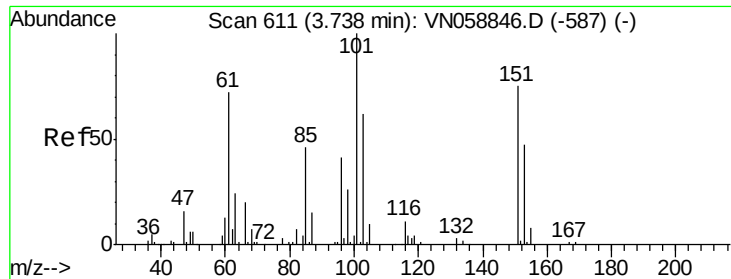
Diethyl Ether
Concen: 50.604 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 74 Resp: 114831
Ion Ratio Lower Upper
74 100
45 107.1 54.9 164.5



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.350 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

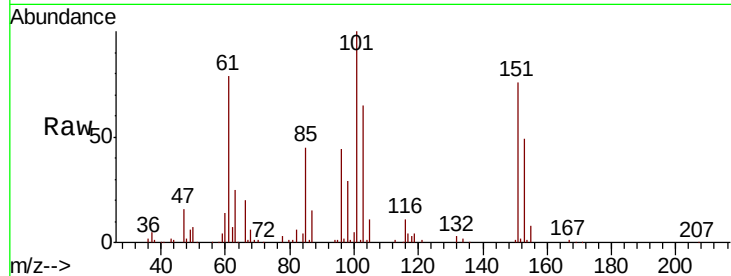
Tot Ion:101 Resp: 176012

Ion Ratio Lower Upper

101 100

85 45.7 37.2 55.8

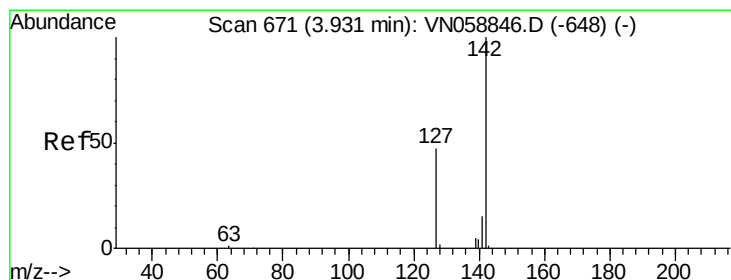
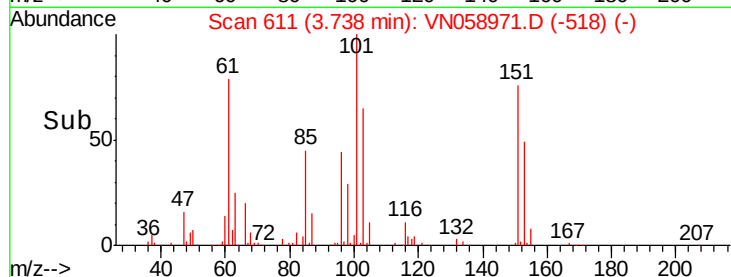
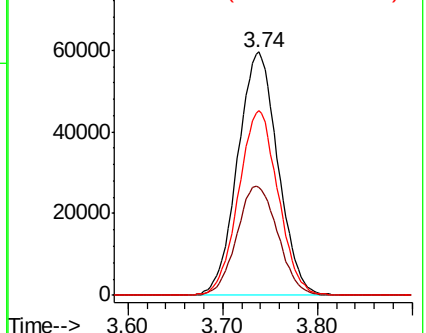
151 74.7 59.9 89.9



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: 41.542 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

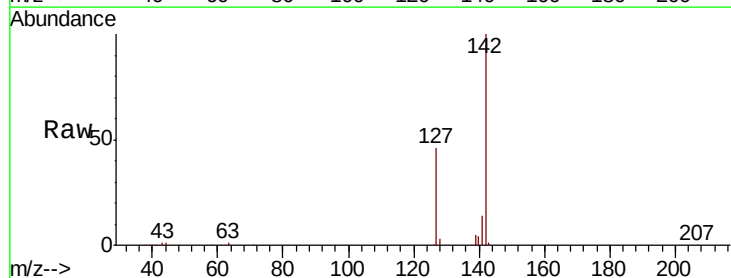
Tgt Ion:142 Resp: 198898

Ion Ratio Lower Upper

142 100

127 46.4 36.6 54.8

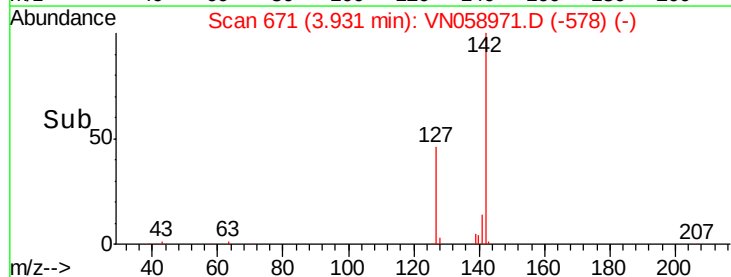
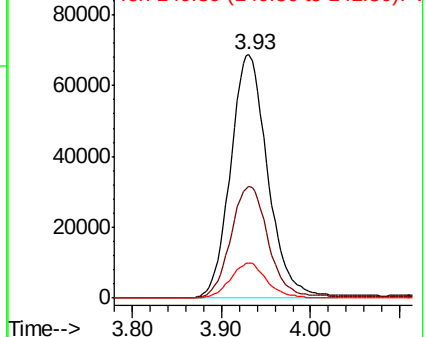
141 14.0 11.4 17.2

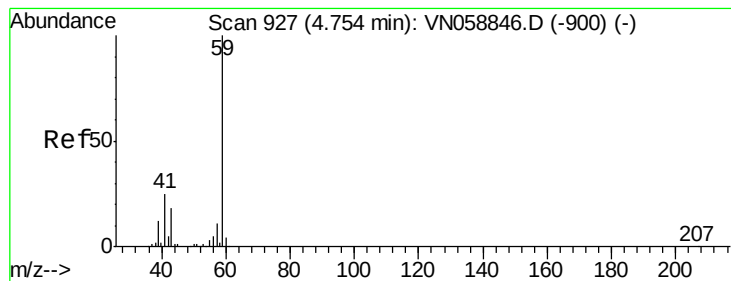


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



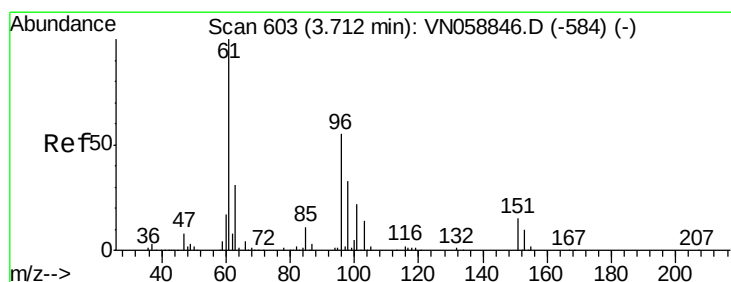
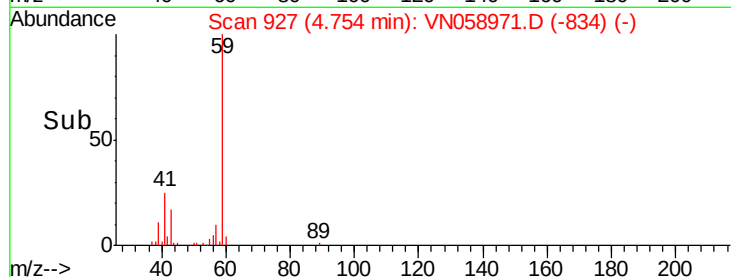
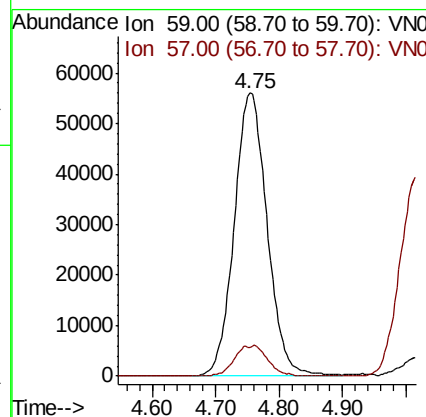
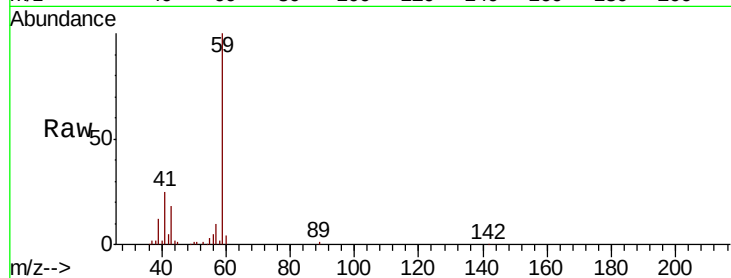


#11

Tert butyl alcohol
Concen: 239.169 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampled :

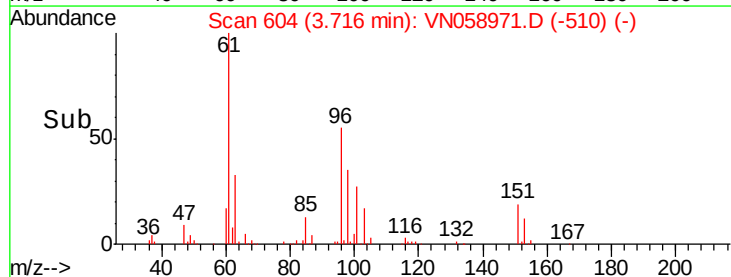
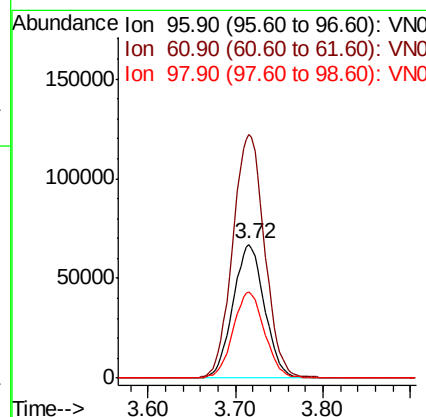
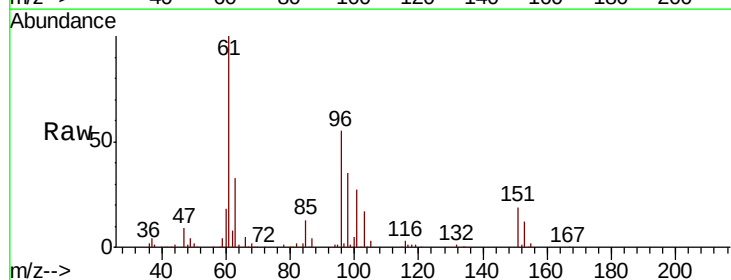
Tot Ion: 59 Resp: 201487
Ion Ratio Lower Upper
59 100
57 5.4 8.6 12.8#

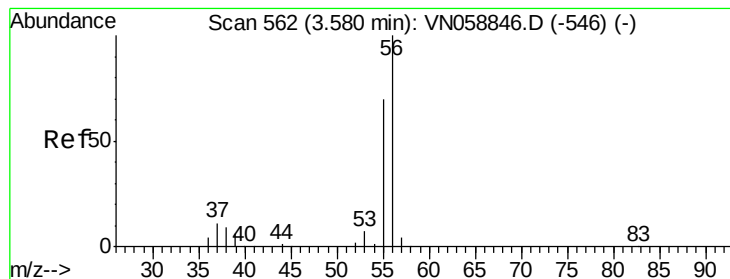


#12

1,1-Dichloroethene
Concen: 49.152 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 96 Resp: 167719
Ion Ratio Lower Upper
96 100
61 182.1 146.2 219.2
98 64.3 48.7 73.1





#13

Acrolein

Concen: 130.478 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

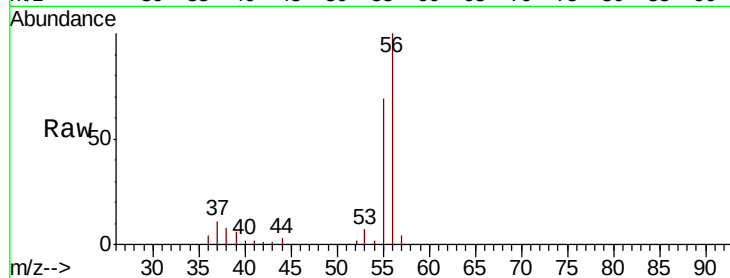
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 75527

Ion Ratio Lower Upper

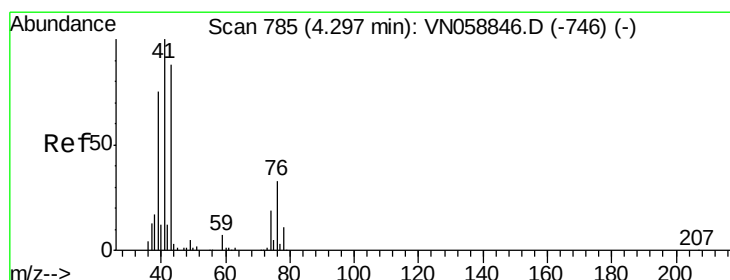
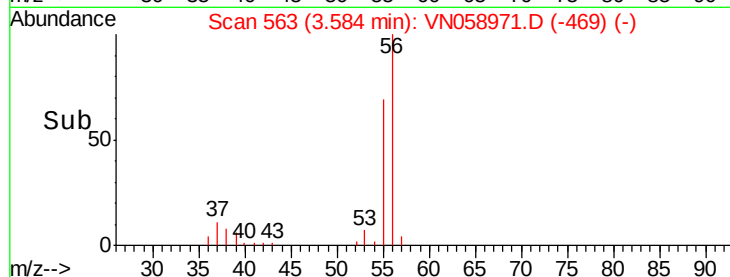
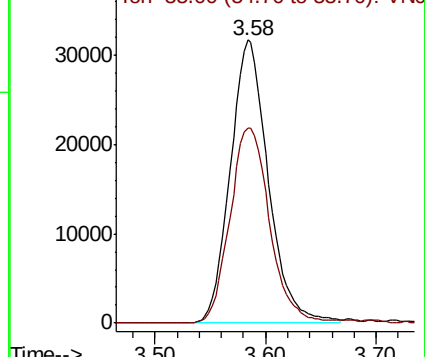
56 100

55 72.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.428 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

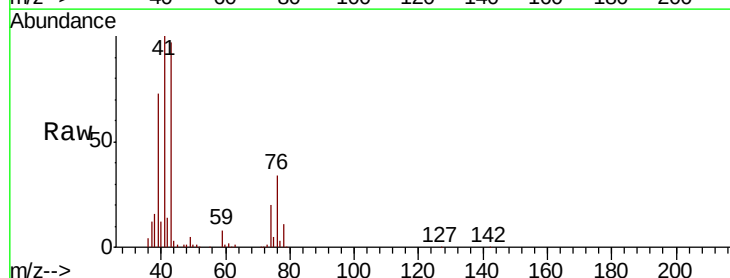
Tgt Ion: 41 Resp: 313670

Ion Ratio Lower Upper

41 100

39 75.3 55.9 83.9

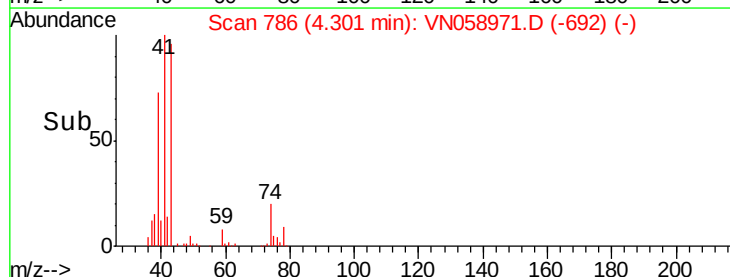
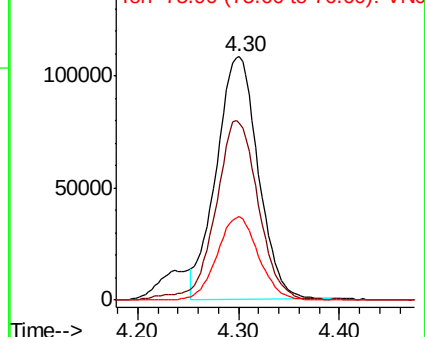
76 33.9 24.1 36.1

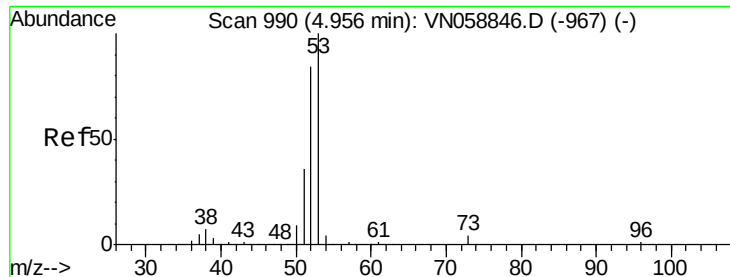


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 264.610 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :

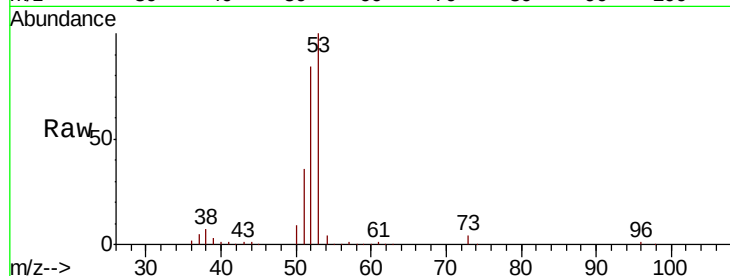
Tot Ion: 53 Resp: 560735

Ion Ratio Lower Upper

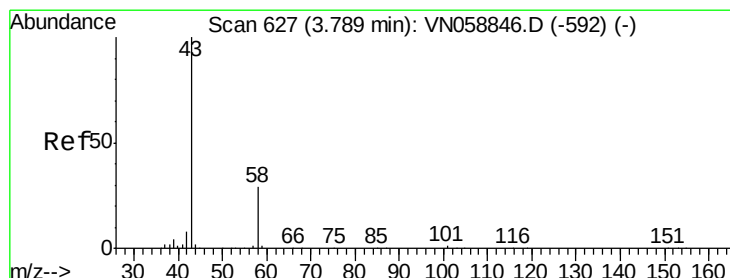
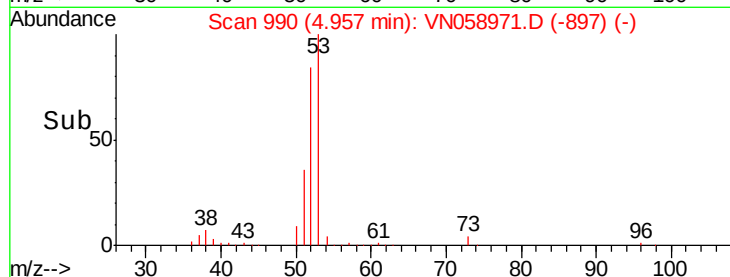
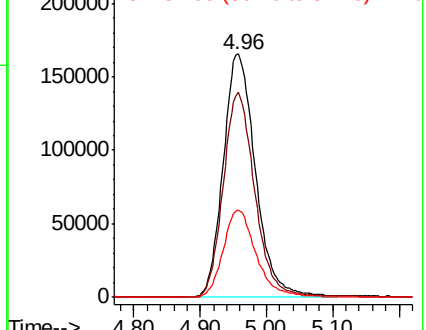
53 100

52 82.2 66.6 99.8

51 36.6 29.2 43.8



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



#16

Acetone

Concen: 219.116 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058971.D

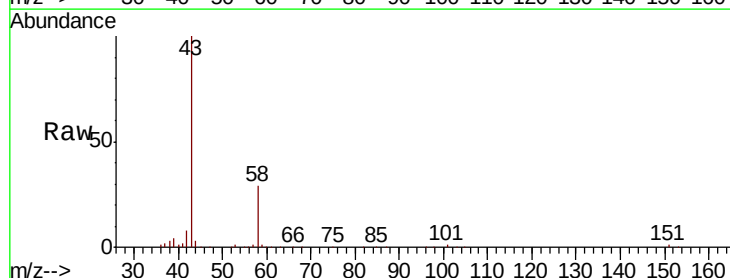
Acq: 24 Oct 2019 18:52

Tgt Ion: 43 Resp: 549669

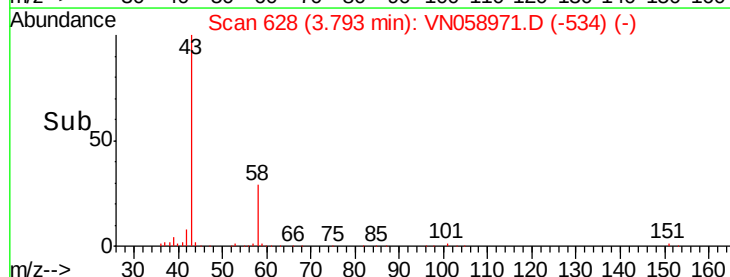
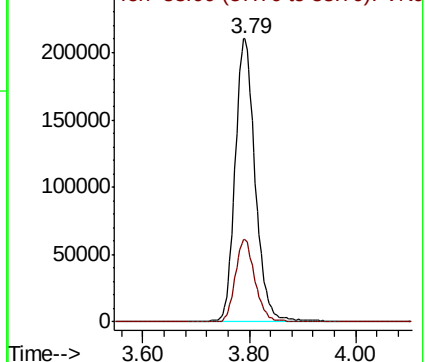
Ion Ratio Lower Upper

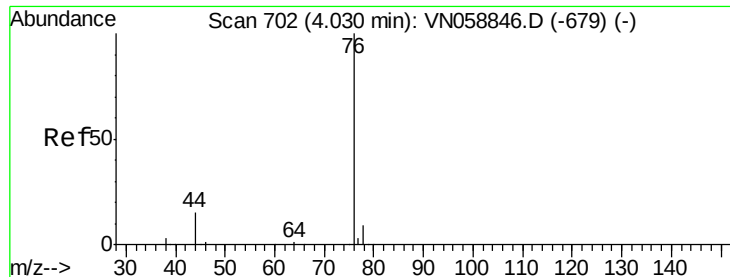
43 100

58 29.2 23.1 34.7



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





#17

Carbon Disulfide

Concen: 44.648 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

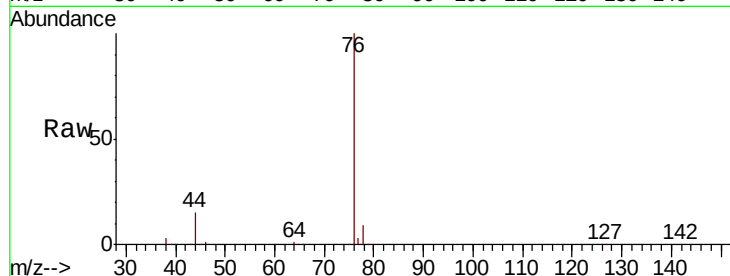
ClientSampleId :

Tot Ion: 76 Resp: 490764

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

200000

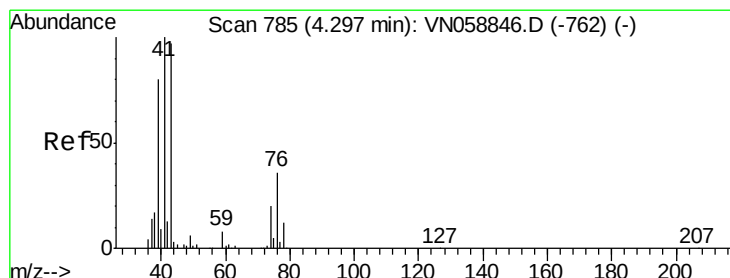
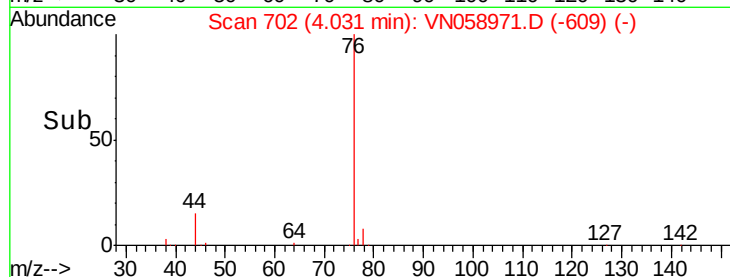
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 51.666 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058971.D

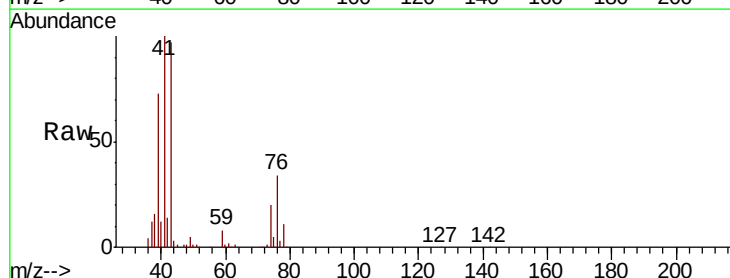
Acq: 24 Oct 2019 18:52

Tgt Ion: 43 Resp: 294664

Ion Ratio Lower Upper

43 100

74 21.6 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

120000

100000

80000

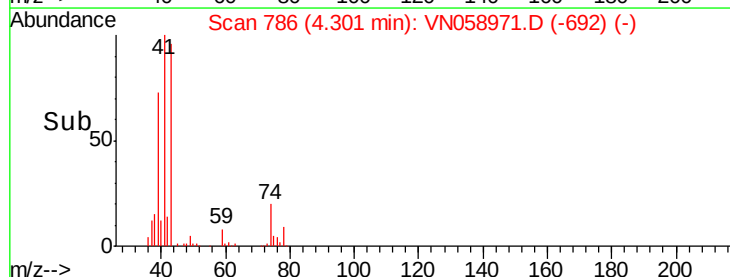
60000

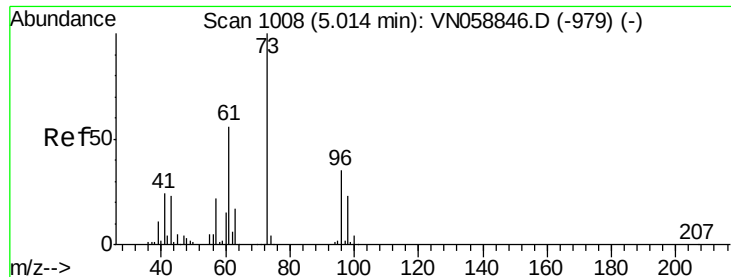
40000

20000

0

Time--> 4.20 4.30 4.40

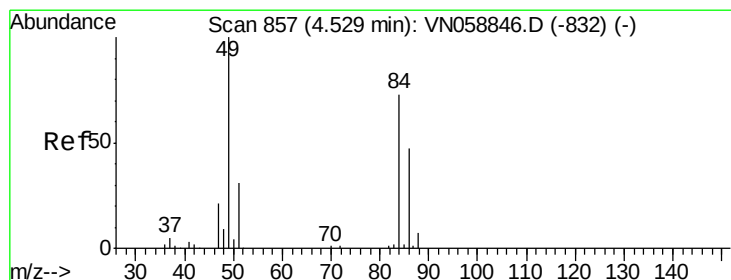
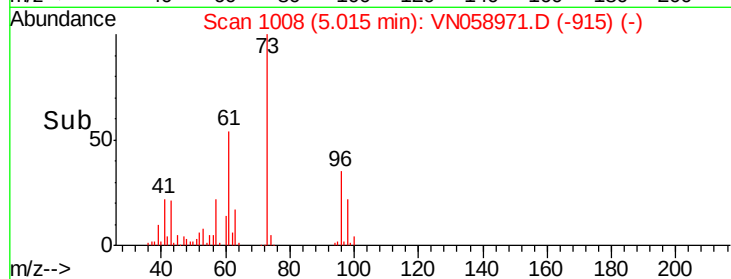
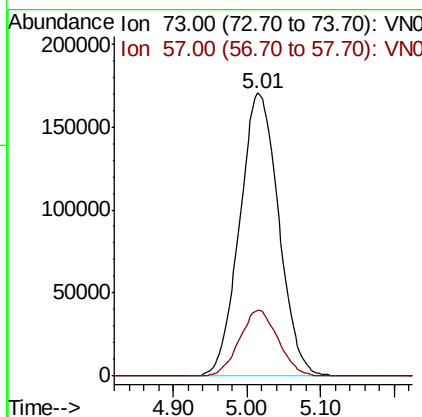
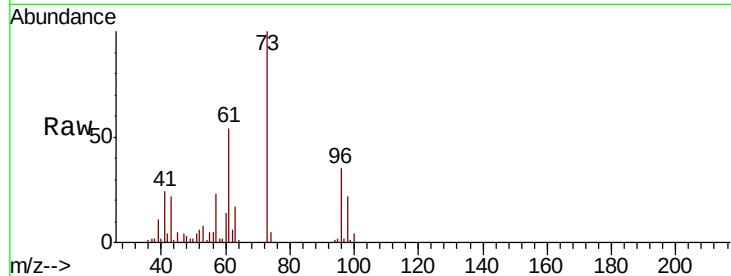




#19
Methyl tert-butyl Ether
Concen: 52.580 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

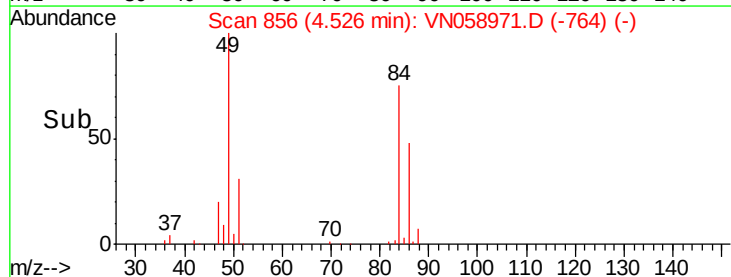
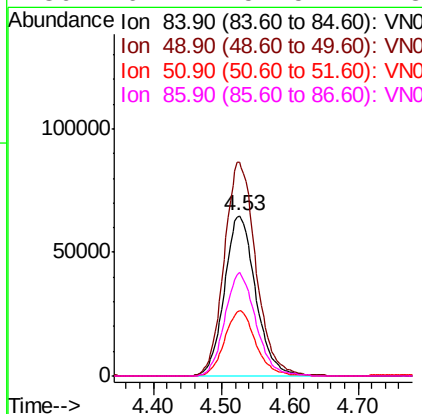
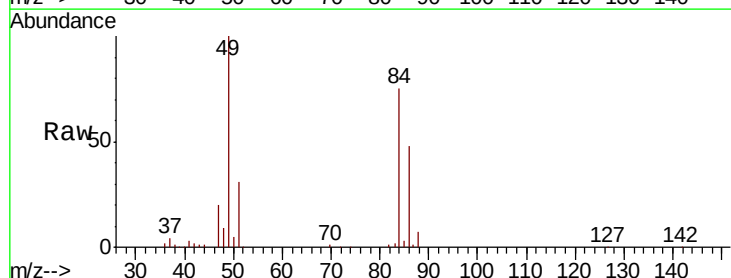
Instrument :
MSVOA_N
ClientSampled :

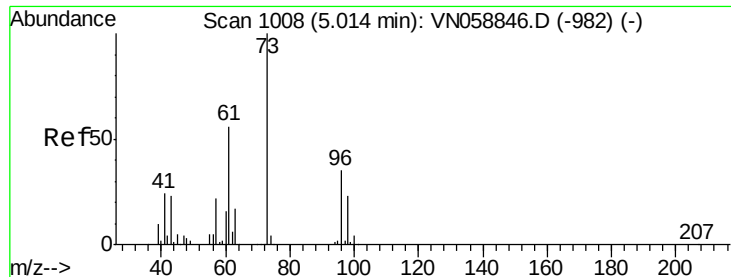
Tot Ion: 73 Resp: 628235
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9



#20
Methylene Chloride
Concen: 48.202 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 84 Resp: 206471
Ion Ratio Lower Upper
84 100
49 133.2 109.6 164.4
51 41.0 33.8 50.6
86 64.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.775 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

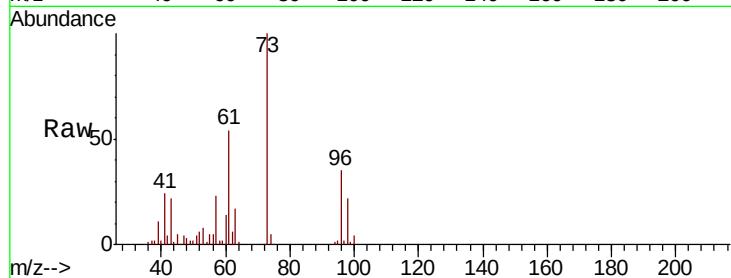
Tot Ion: 96 Resp: 187569

Ion Ratio Lower Upper

96 100

61 153.9 126.7 190.1

98 61.8 52.0 78.0

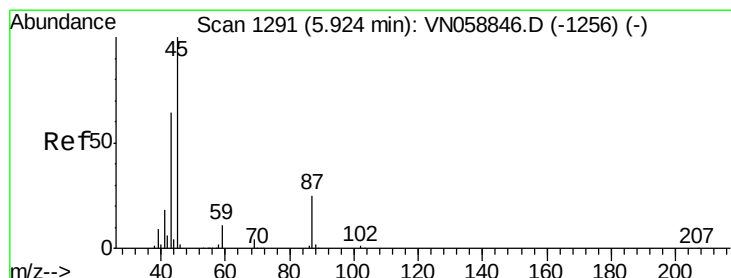
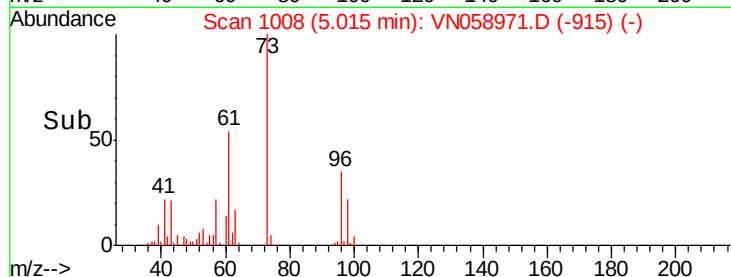
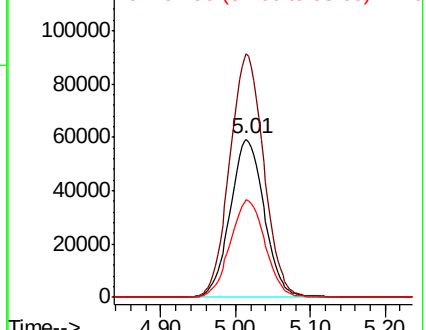


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 54.012 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion: 45 Resp: 729470

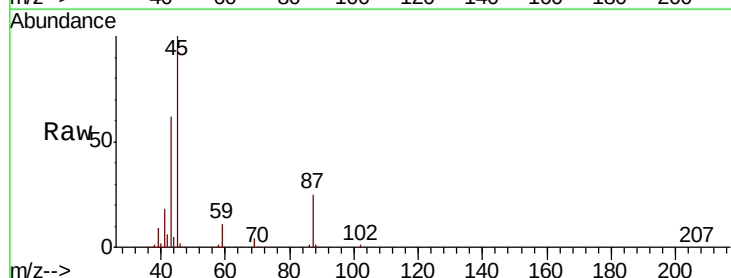
Ion Ratio Lower Upper

45 100

43 60.8 52.9 79.3

87 25.1 20.2 30.4

59 11.2 8.8 13.2



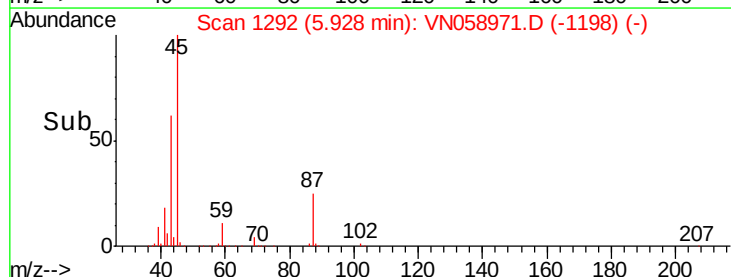
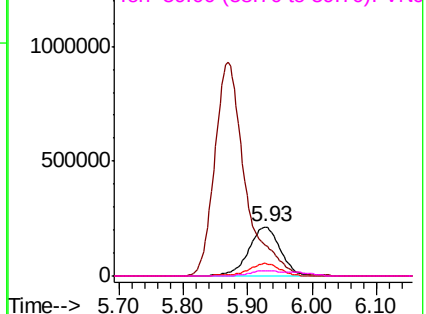
Abundance

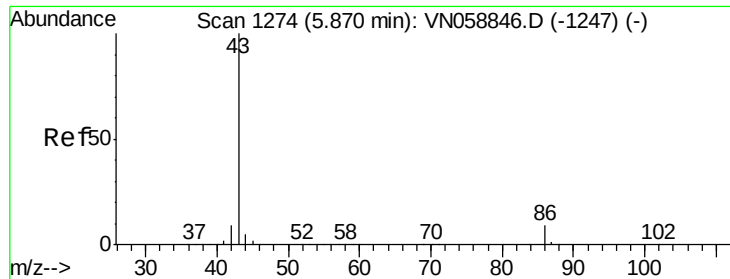
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 283.360 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

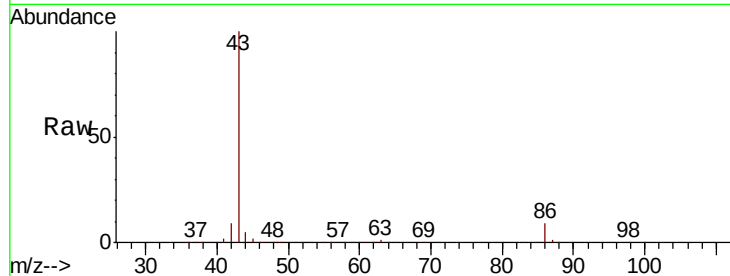
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3074676

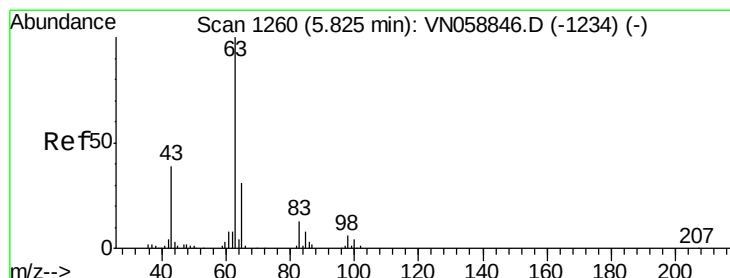
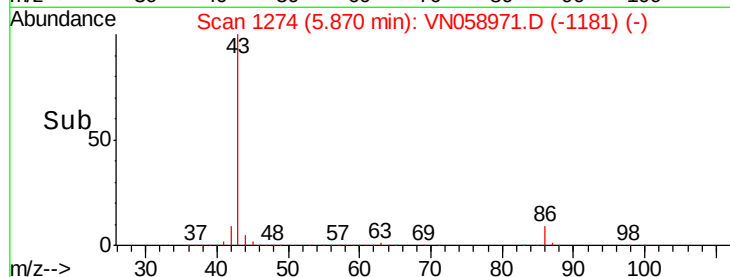
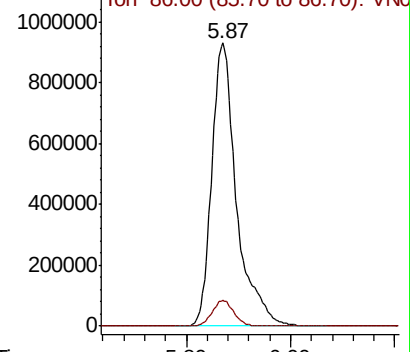
Ion Ratio Lower Upper

43 100

86 9.0 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058971.D (-1181) (-)



#24

1,1-Dichloroethane

Concen: 50.037 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

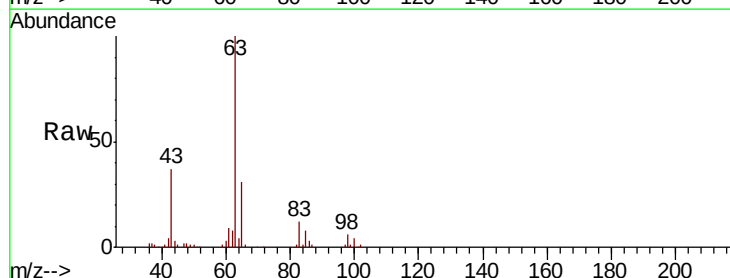
Tgt Ion: 63 Resp: 391847

Ion Ratio Lower Upper

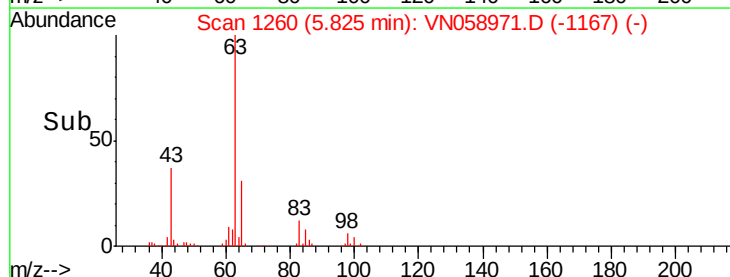
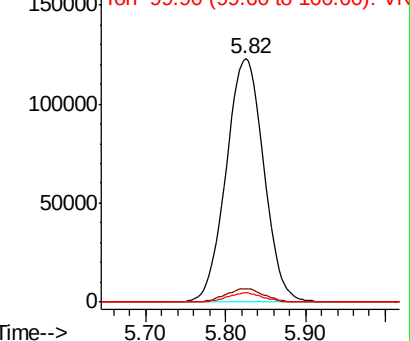
63 100

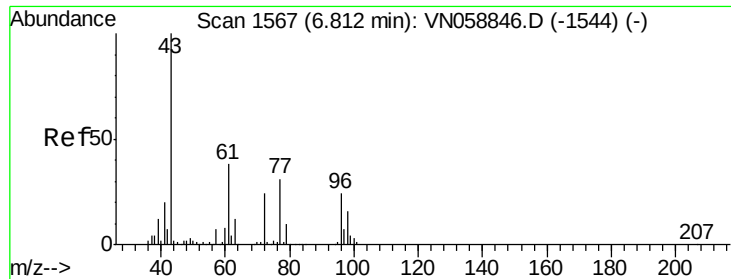
98 5.5 2.8 8.4

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058971.D (-1167) (-)

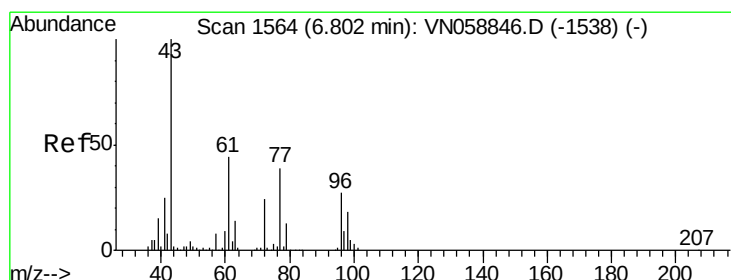
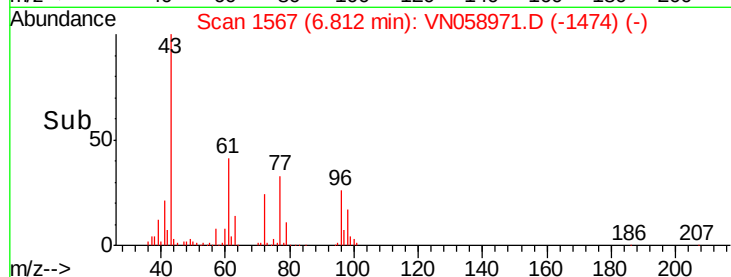
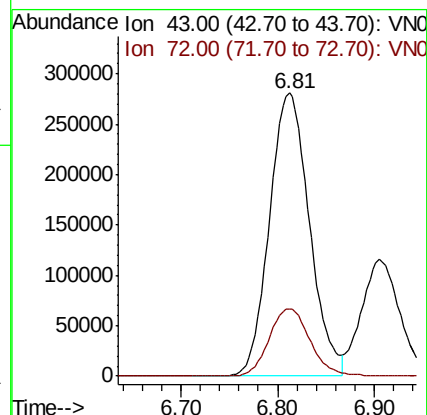
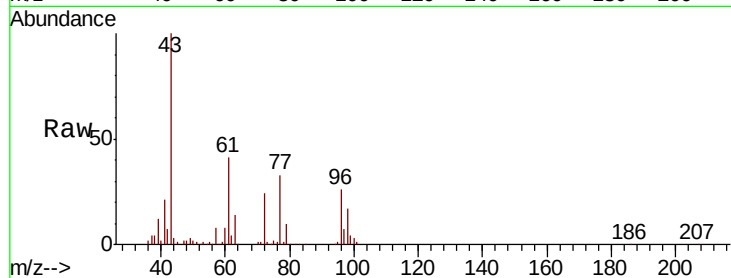




#25
 2-Butanone
 Concen: 246.806 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

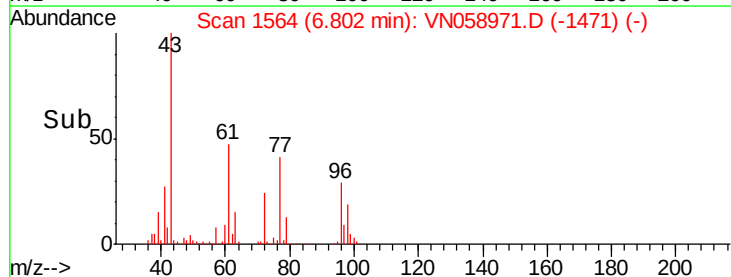
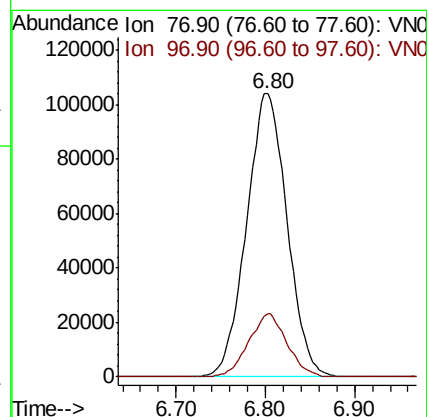
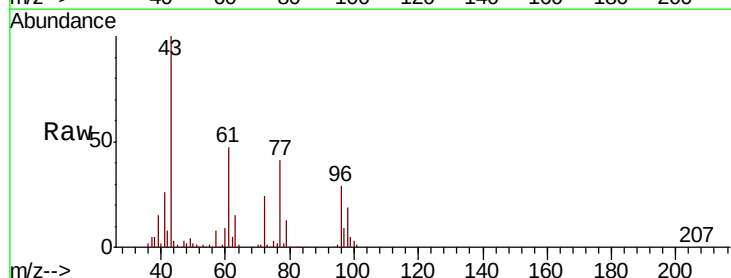
Instrument :
 MSVOA_N
 ClientSampled :

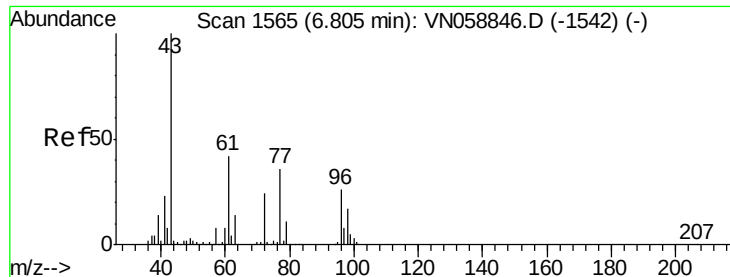
Tot Ion: 43 Resp: 803696
 Ion Ratio Lower Upper
 43 100
 72 23.9 19.1 28.7



#26
 2,2-Dichloropropane
 Concen: 48.528 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion: 77 Resp: 328717
 Ion Ratio Lower Upper
 77 100
 97 21.1 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.837 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

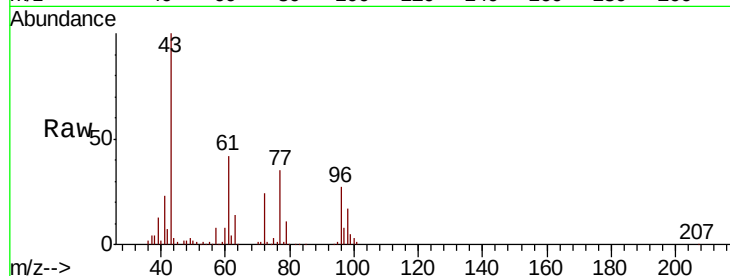
Tot Ion: 96 Resp: 218841

Ion Ratio Lower Upper

96 100

61 160.4 0.0 325.0

98 63.8 0.0 128.0

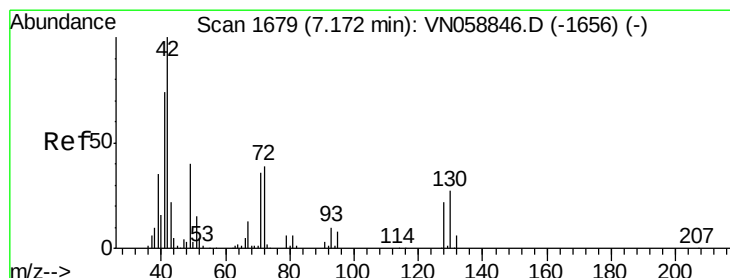
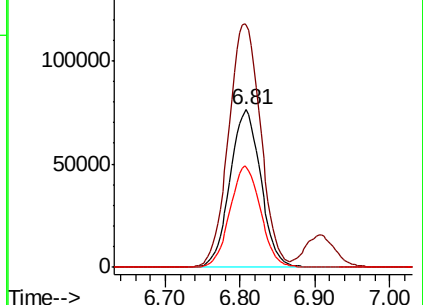
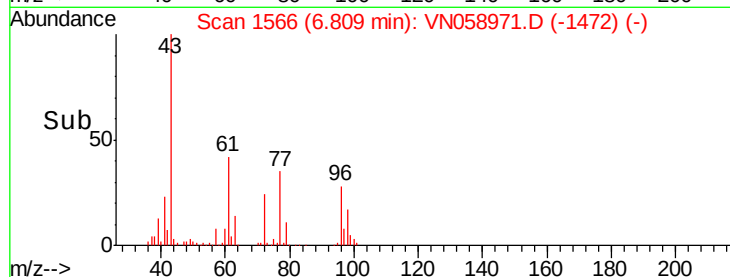


Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1542) (-)

Time-->



#28

Bromochloromethane

Concen: 49.948 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

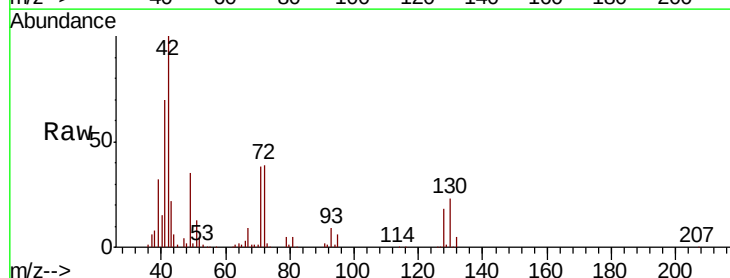
Tgt Ion: 49 Resp: 130269

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.2

130 67.1 53.5 80.3

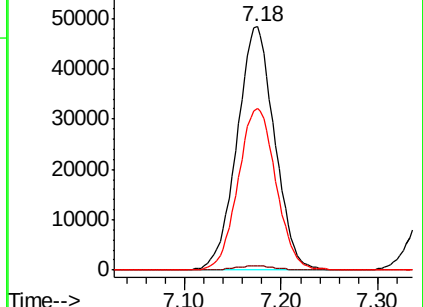
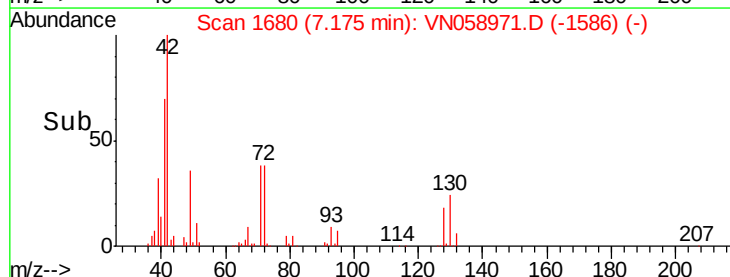


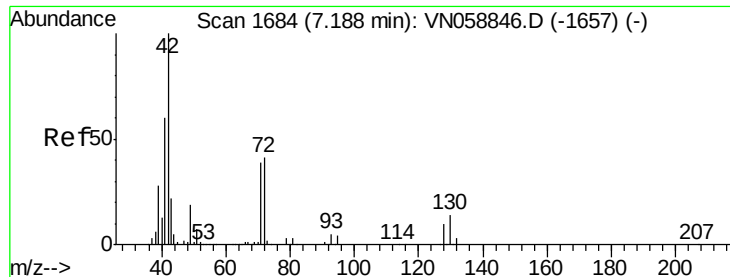
Abundance Ion 48.90 (48.60 to 49.60): VN058846.D (-1656) (-)

Ion 128.80 (128.50 to 129.50): VN058846.D (-1656) (-)

Ion 129.80 (129.50 to 130.50): VN058846.D (-1656) (-)

Time-->

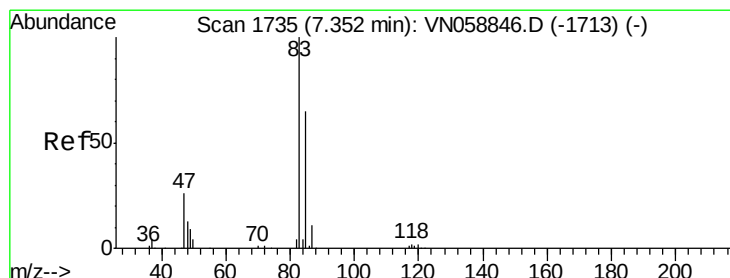
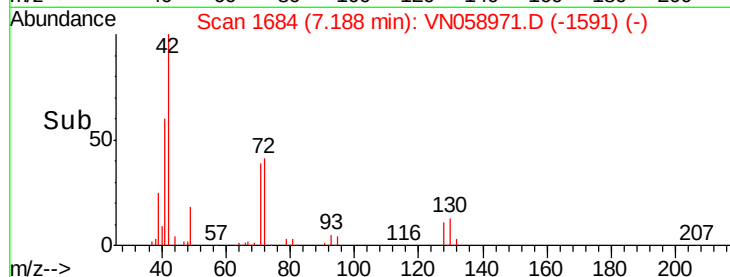
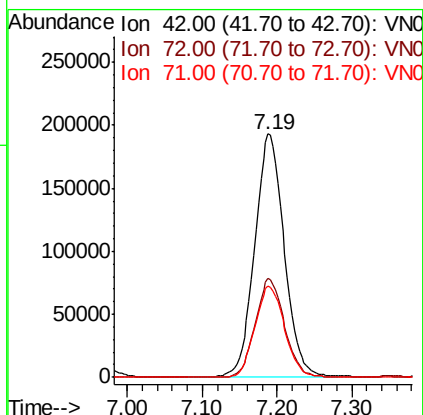
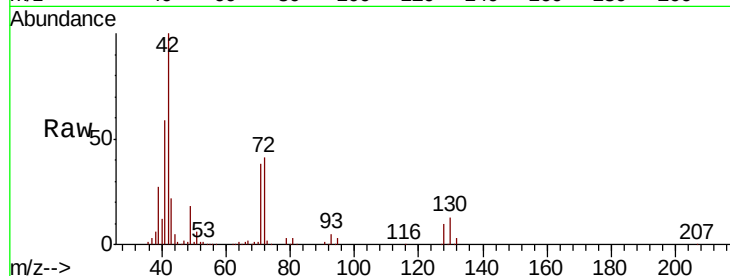




#29
Tetrahydrofuran
Concen: 265.480 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

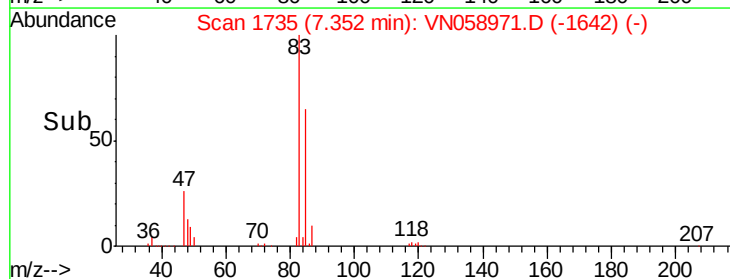
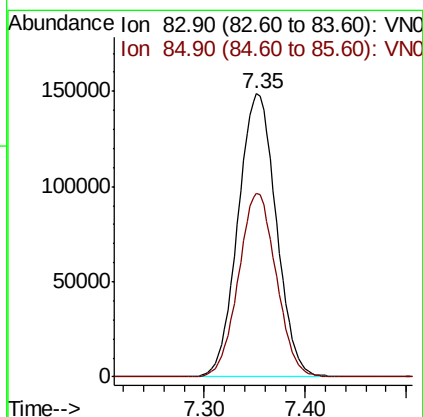
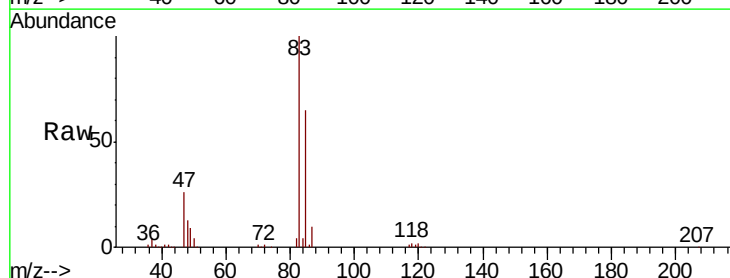
Instrument :
MSVOA_N
ClientSampled :

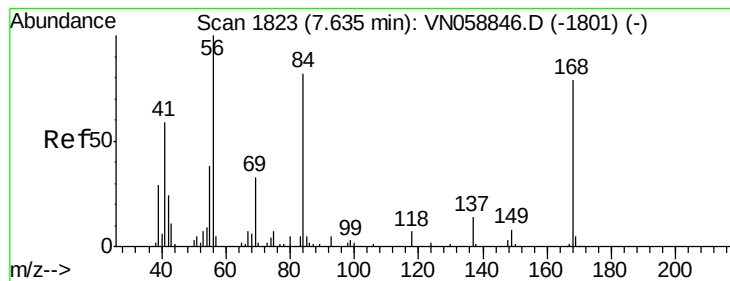
Tot Ion: 42 Resp: 528849
Ion Ratio Lower Upper
42 100
72 40.3 32.2 48.2
71 37.8 30.6 45.8



#30
Chloroform
Concen: 49.749 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 83 Resp: 390801
Ion Ratio Lower Upper
83 100
85 64.7 51.9 77.9





#31

Cyclohexane

Concen: 47.549 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

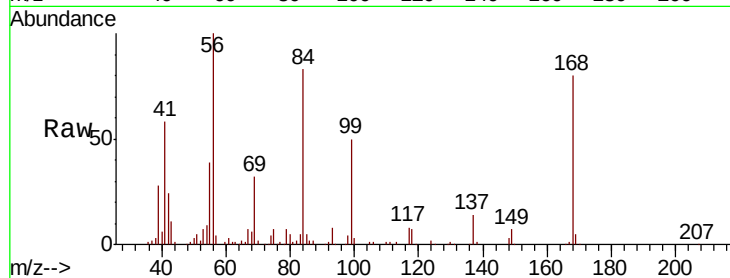
Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 346899

Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.2	39.4
84	82.3	65.6	98.4

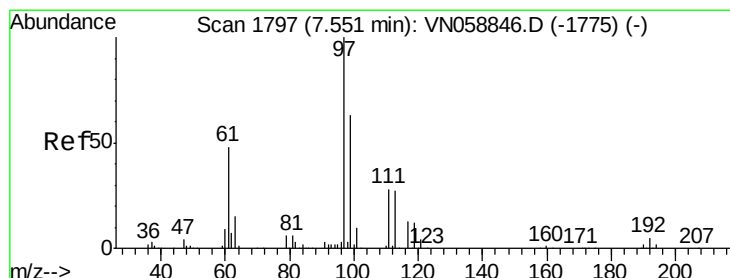
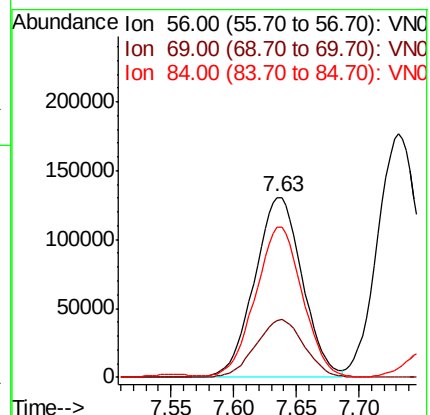
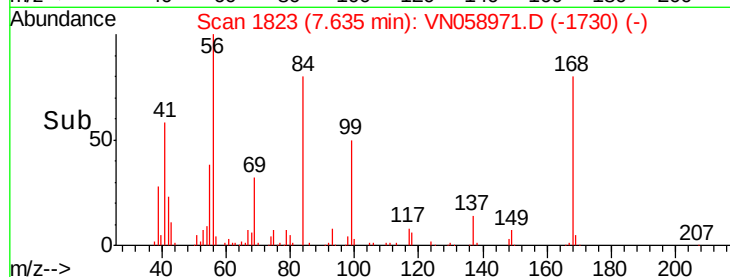


Abundance

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: 50.541 ug/l

RT: 7.55 min Scan# 1797

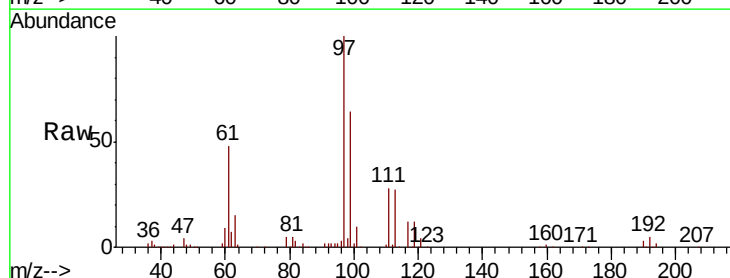
Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion: 97 Resp: 334650

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	48.0	38.6	58.0

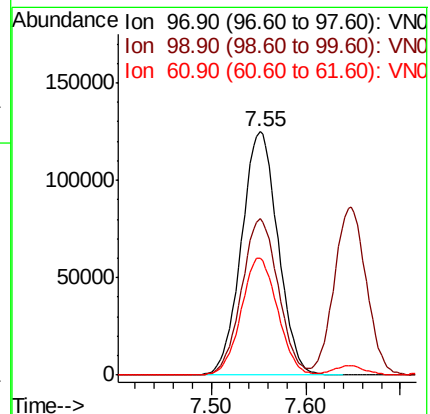
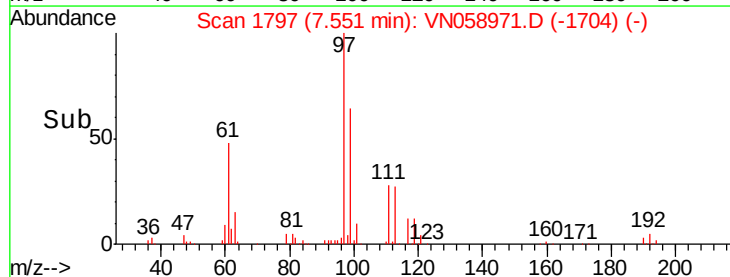


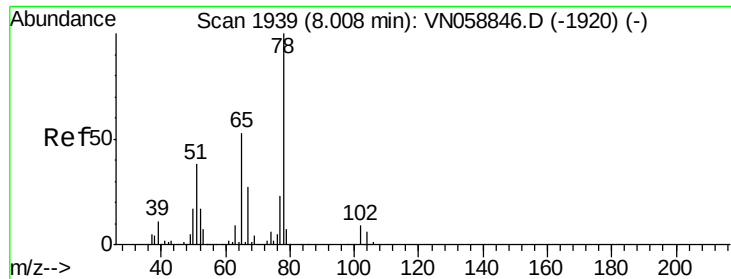
Abundance

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

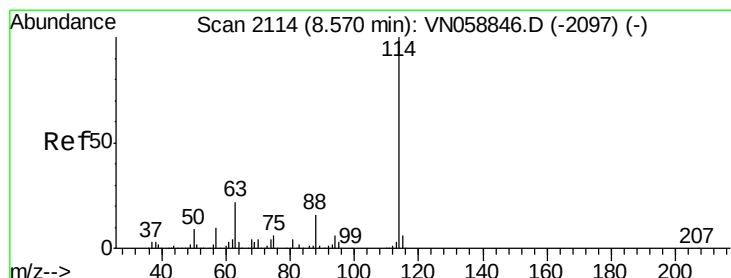
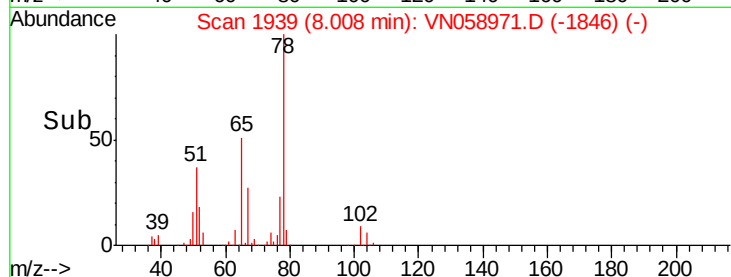
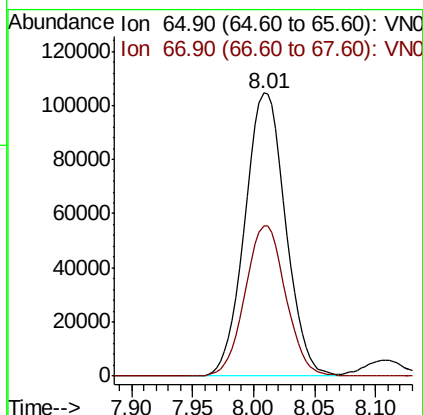
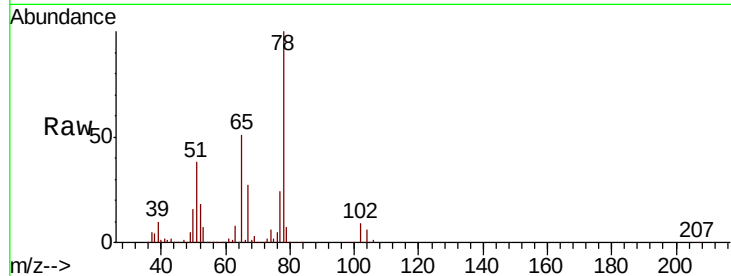




#33
 1,2-Dichloroethane-d4
 Concen: 47.612 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

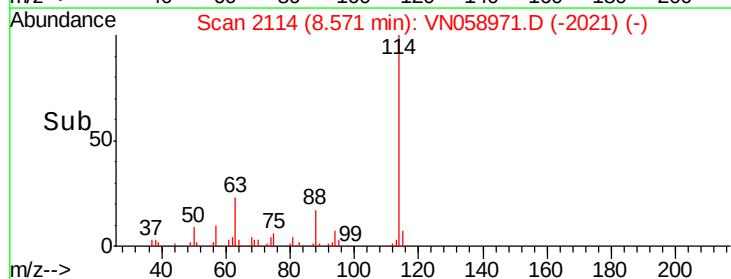
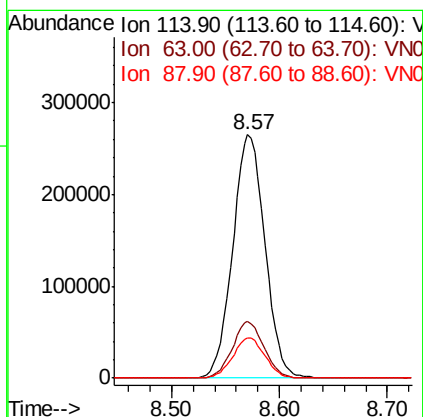
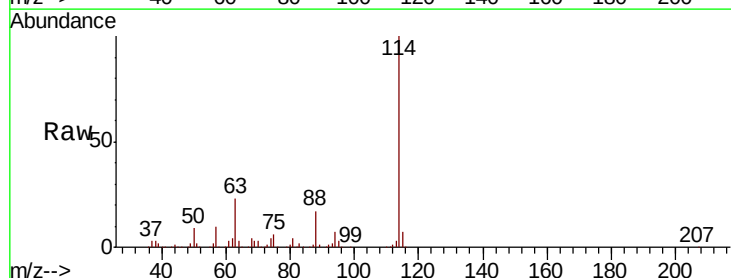
Instrument :
 MSVOA_N
 ClientSampled :

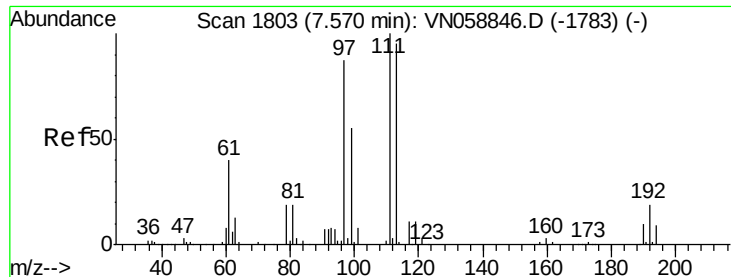
Tot Ion: 65 Resp: 241708
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion: 114 Resp: 551407
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 44.4
 88 16.6 0.0 31.4

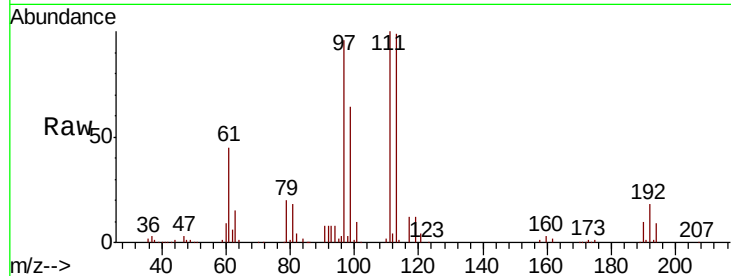




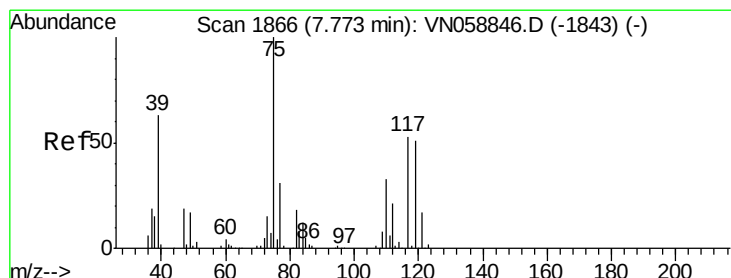
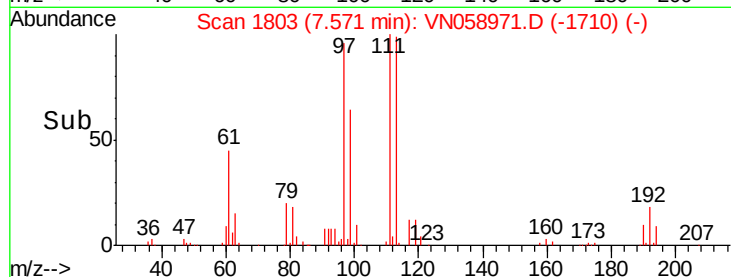
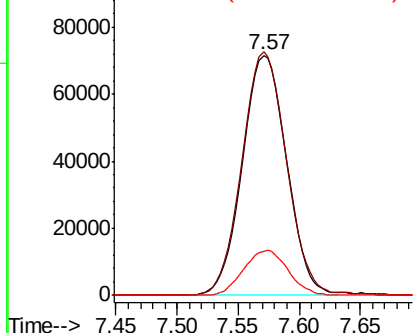
#35
Dibromofluoromethane
Concen: 49.634 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 179942
Ion Ratio Lower Upper
113 100
111 101.8 82.0 123.0
192 19.0 15.0 22.6

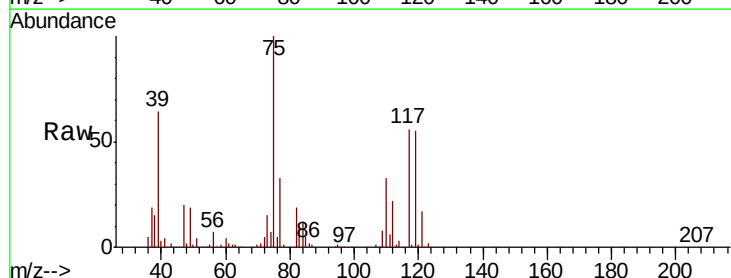


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

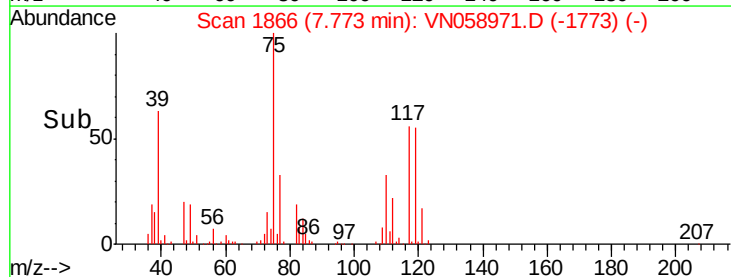
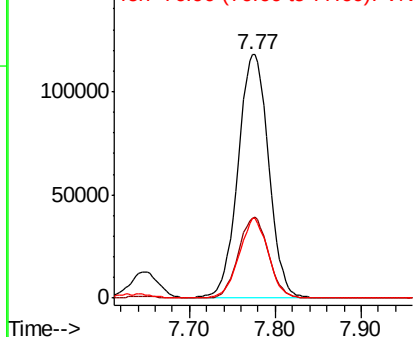


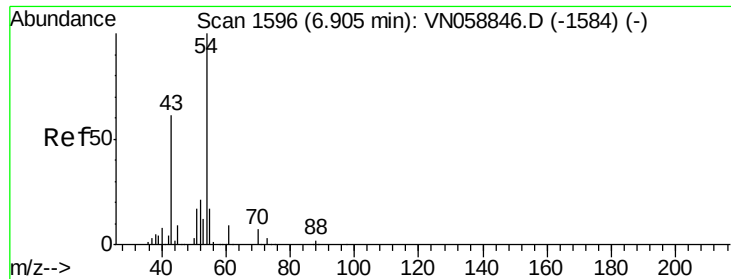
#36
1,1-Dichloropropene
Concen: 51.504 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 75 Resp: 290754
Ion Ratio Lower Upper
75 100
110 32.5 16.3 48.9
77 31.6 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

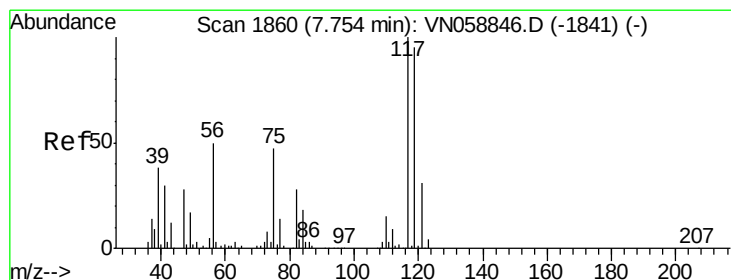
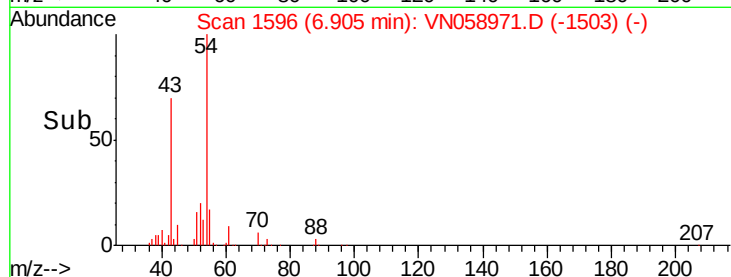
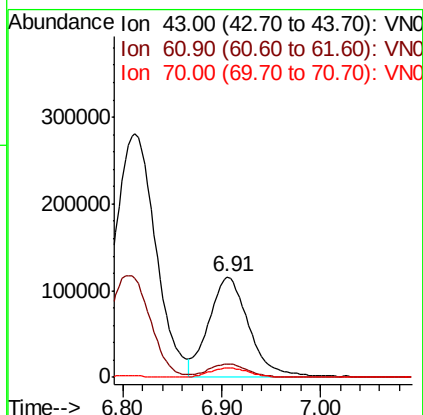
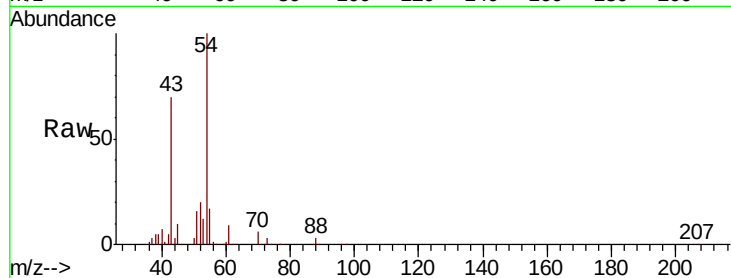




#37
Ethyl Acetate
Concen: 52.614 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

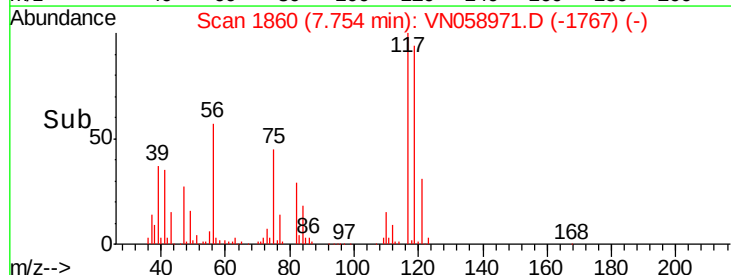
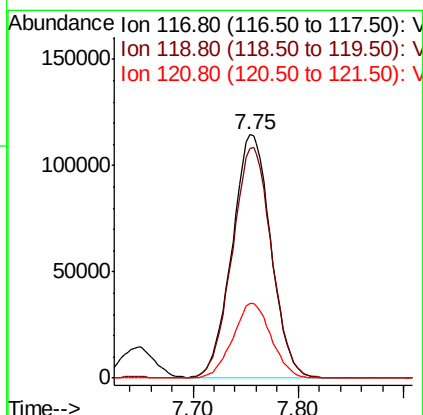
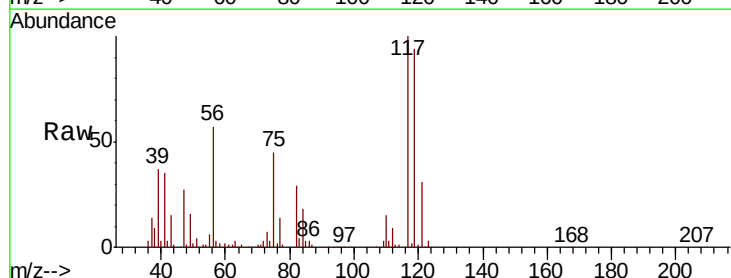
Instrument :
MSVOA_N
ClientSampleId :

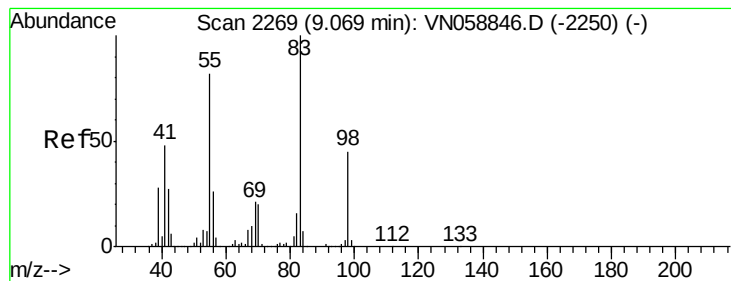
Tot Ion: 43 Resp: 323638
Ion Ratio Lower Upper
43 100
61 13.9 10.5 15.7
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.302 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 117 Resp: 292542
Ion Ratio Lower Upper
117 100
119 94.0 75.7 113.5
121 30.6 25.0 37.6





#39

Methylvlcyclohexane

Concen: 51.485 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampled :

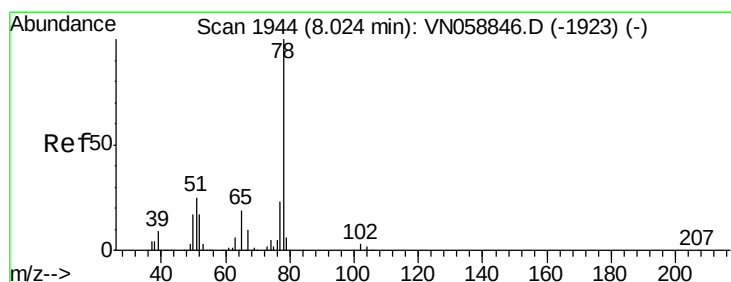
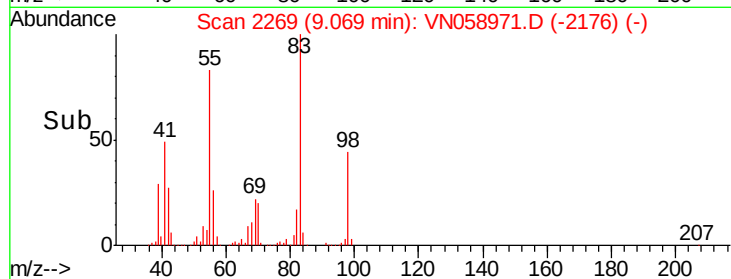
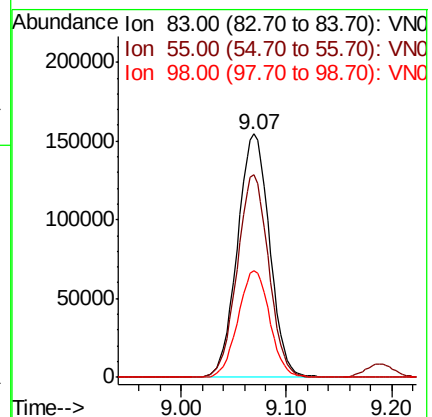
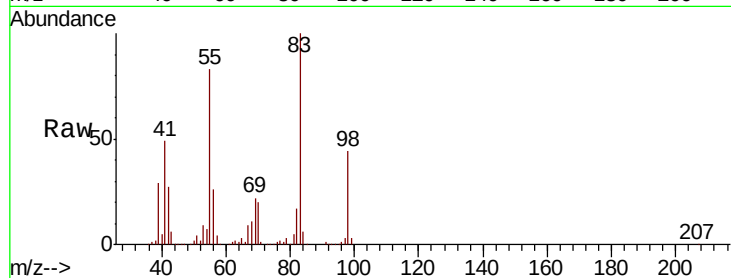
Tot Ion: 83 Resp: 326352

Ion Ratio Lower Upper

83 100

55 83.3 65.5 98.3

98 43.6 35.7 53.5



#40

Benzene

Concen: 51.758 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN058971.D

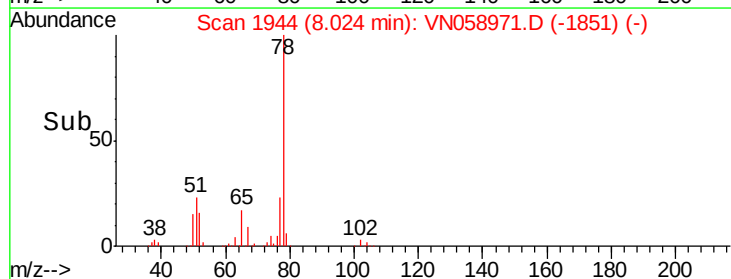
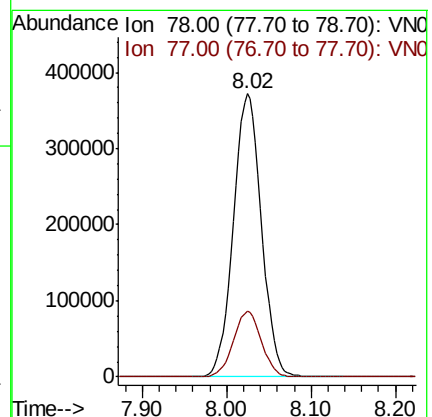
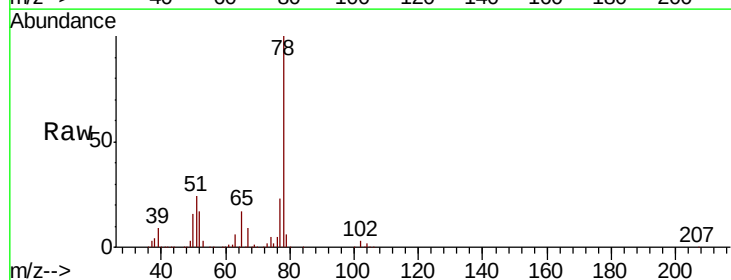
Acq: 24 Oct 2019 18:52

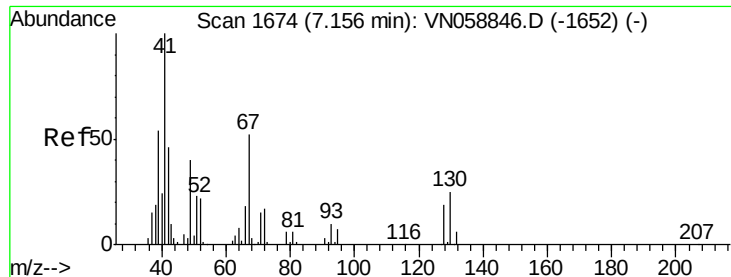
Tgt Ion: 78 Resp: 858008

Ion Ratio Lower Upper

78 100

77 23.2 18.2 27.2

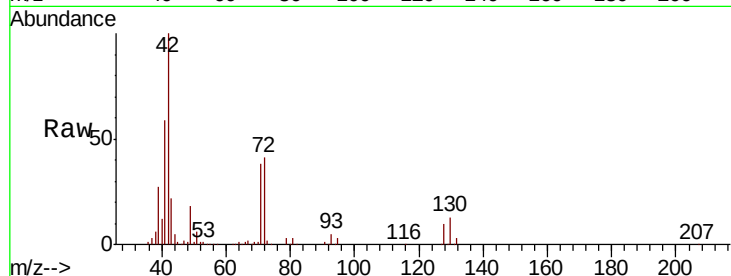




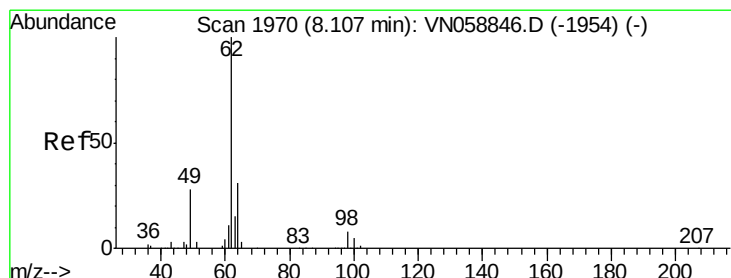
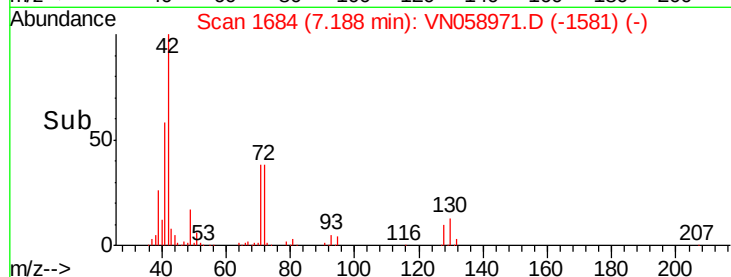
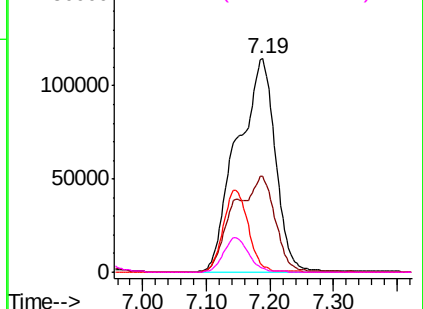
#41
Methacrylonitrile
Concen: 175.402 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	480534
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

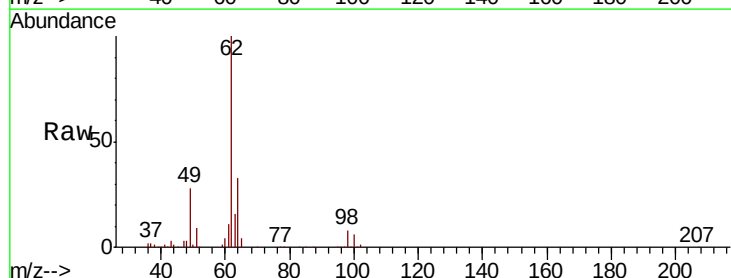


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

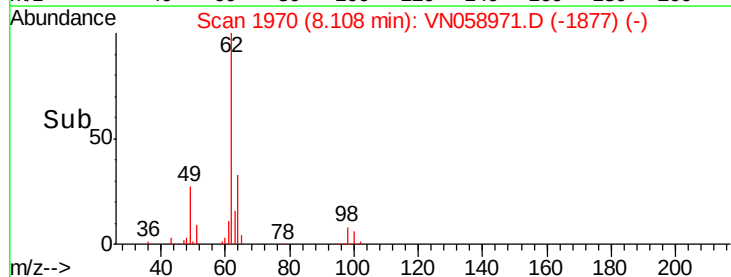
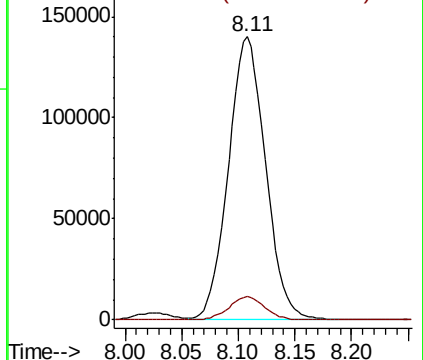


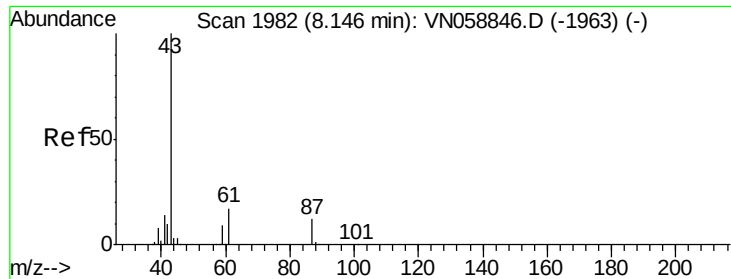
#42
1,2-Dichloroethane
Concen: 49.988 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion:	62	Resp:	319211
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2



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





#43

Isopropyl Acetate

Concen: 53.839 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

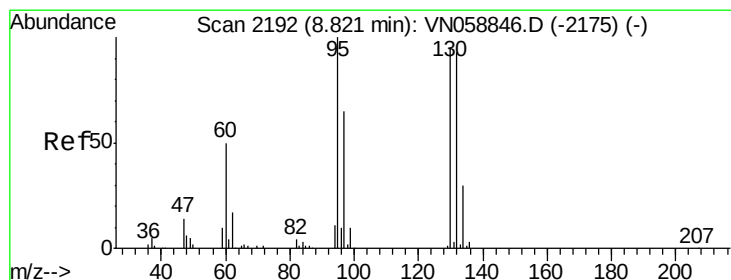
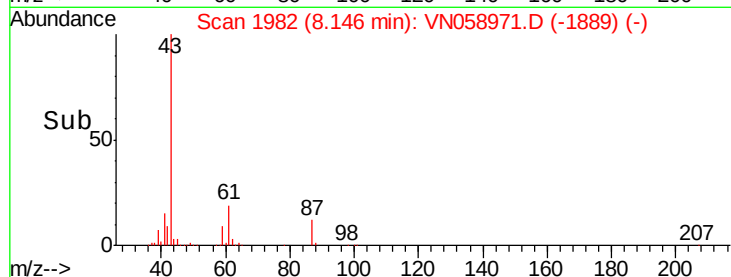
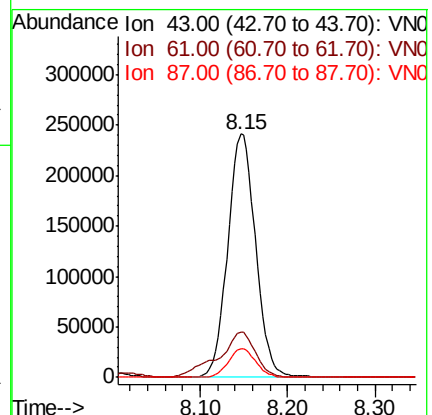
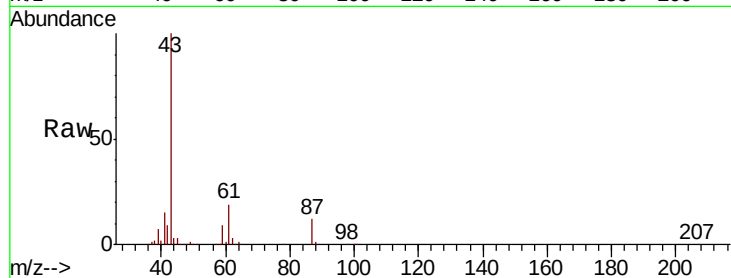
Tot Ion: 43 Resp: 531127

Ion Ratio Lower Upper

43 100

61 24.9 20.2 30.2

87 11.7 9.5 14.3



#44

Trichloroethene

Concen: 50.185 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN058971.D

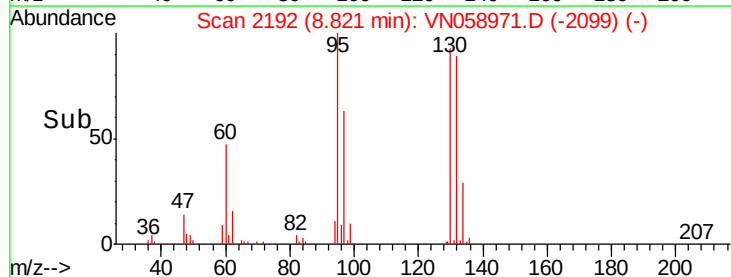
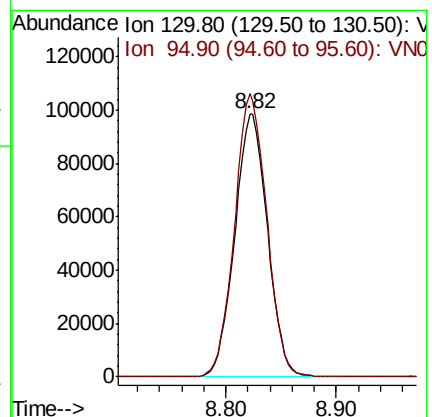
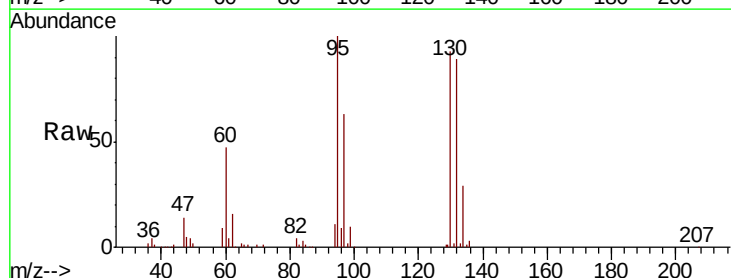
Acq: 24 Oct 2019 18:52

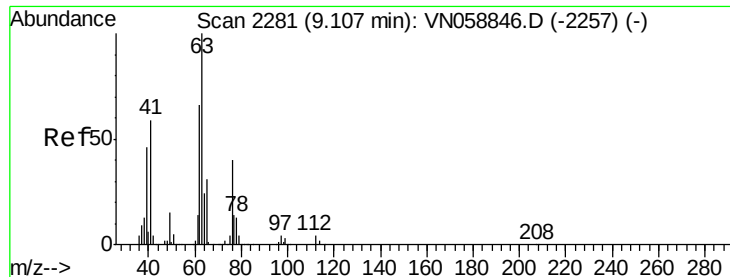
Tgt Ion: 130 Resp: 202657

Ion Ratio Lower Upper

130 100

95 107.5 0.0 209.6

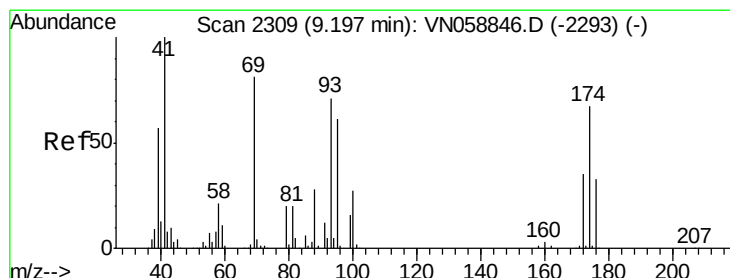
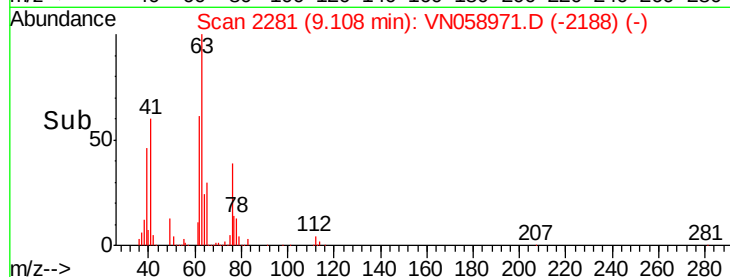
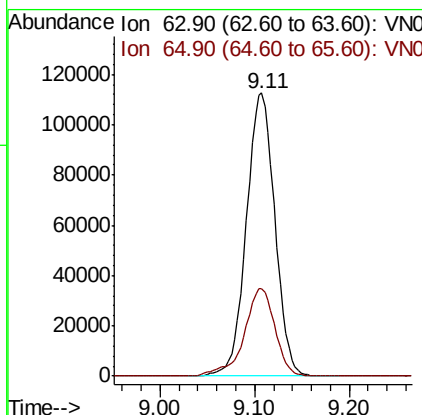
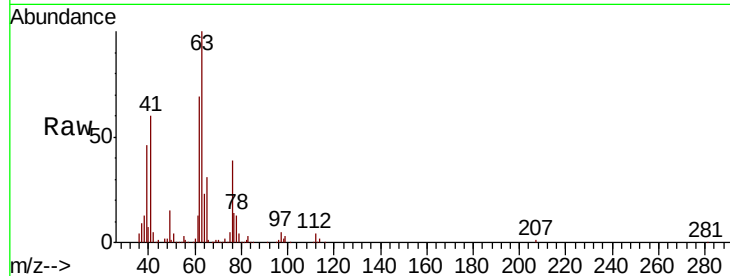




#45
 1,2-Dichloropropane
 Concen: 51.829 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

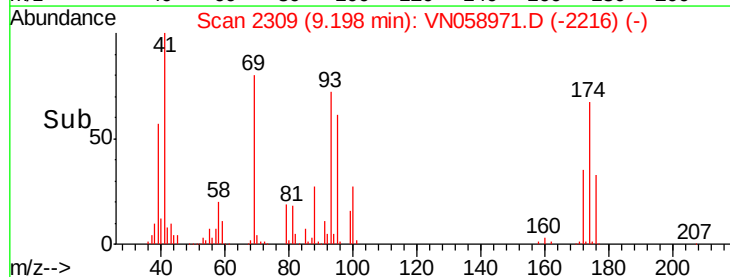
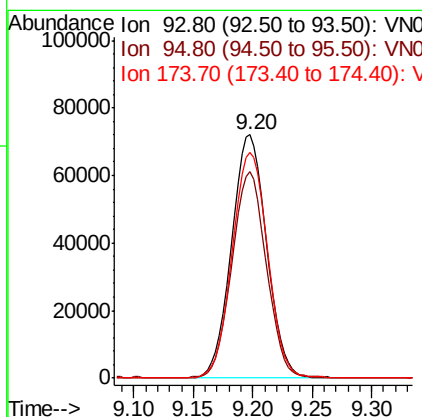
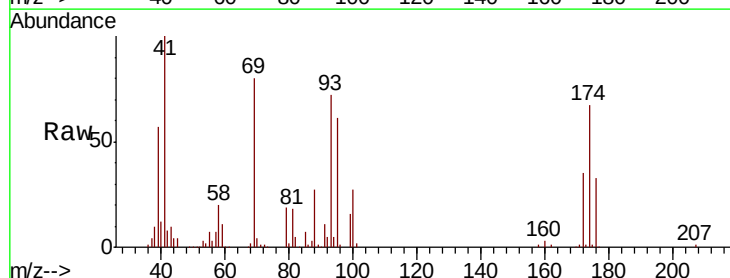
Instrument :
 MSVOA_N
 ClientSampleId :

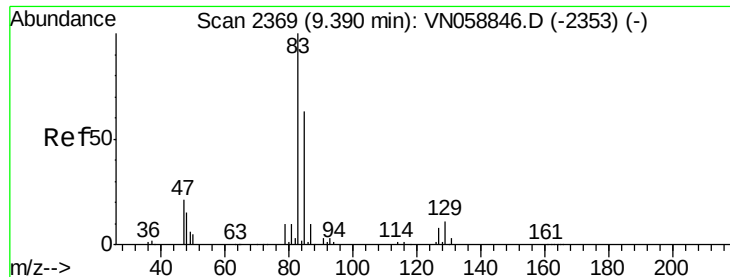
Tot Ion: 63 Resp: 235599
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.5 36.7



#46
 Dibromomethane
 Concen: 51.441 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion: 93 Resp: 147826
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.6 101.4
 174 93.2 74.1 111.1

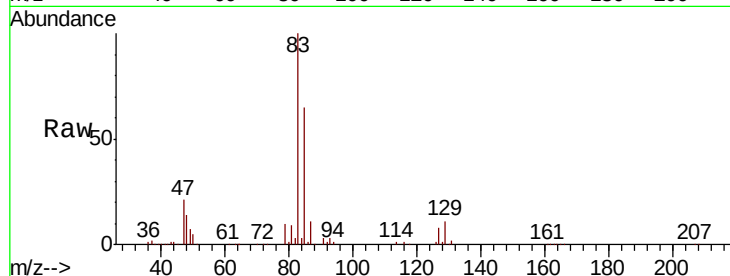




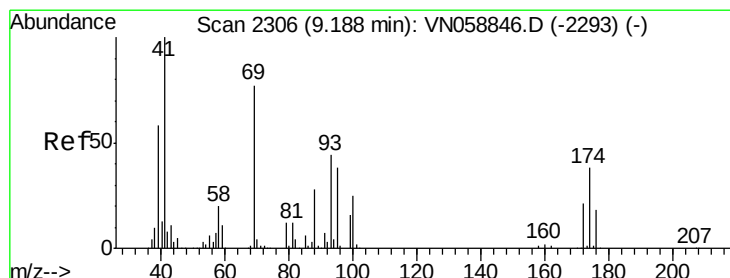
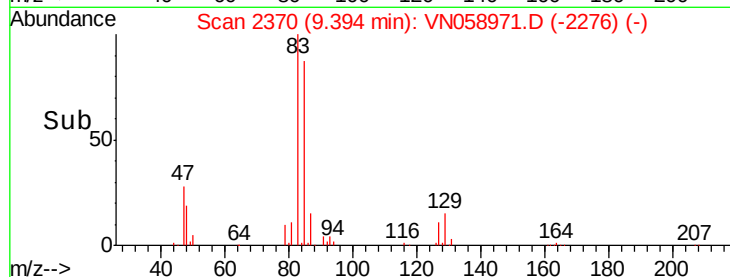
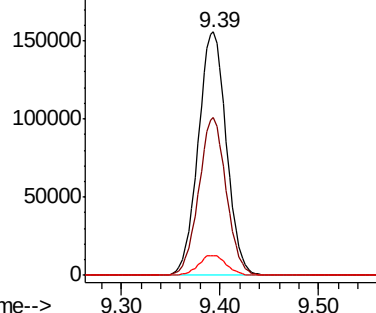
#47
Bromodichloromethane
Concen: 52.324 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 309910
Ion Ratio Lower Upper
83 100
85 64.7 50.6 75.8
127 8.3 6.5 9.7

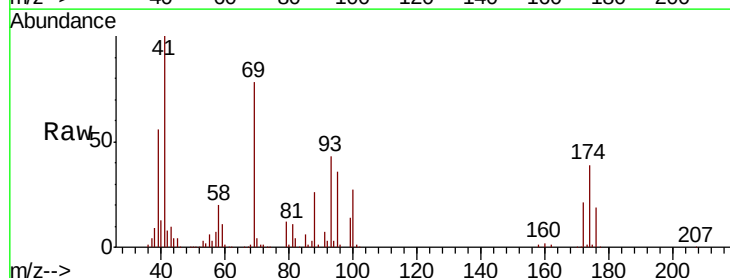


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

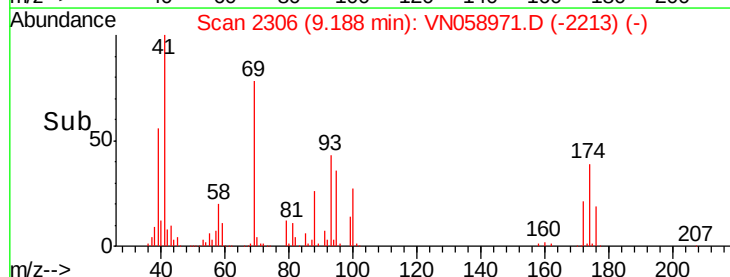
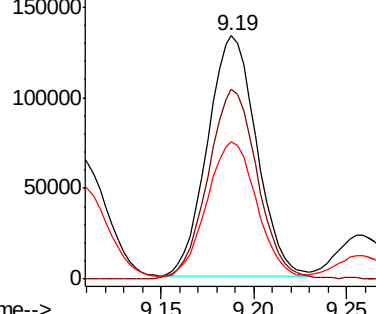


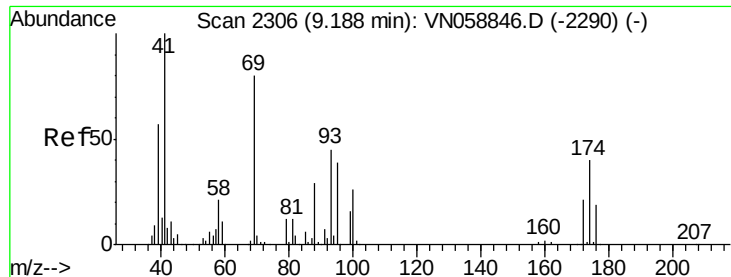
#48
Methyl methacrylate
Concen: 54.557 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 41 Resp: 244190
Ion Ratio Lower Upper
41 100
69 79.6 63.8 95.6
39 58.2 47.8 71.8



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

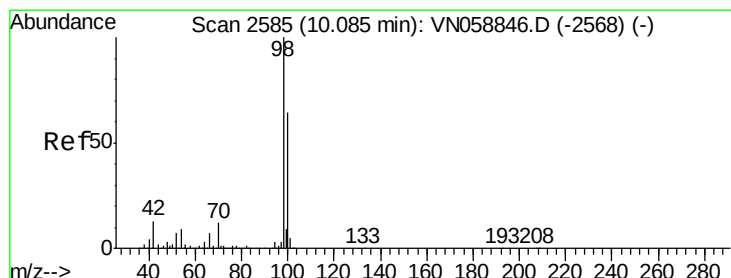
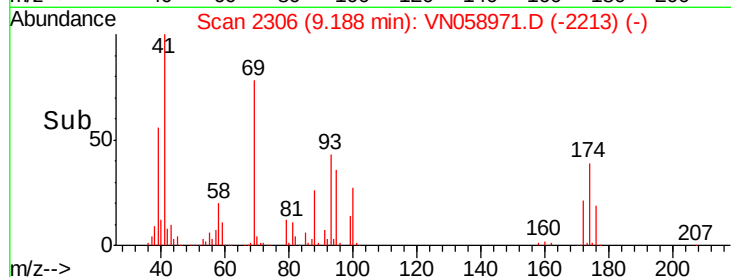
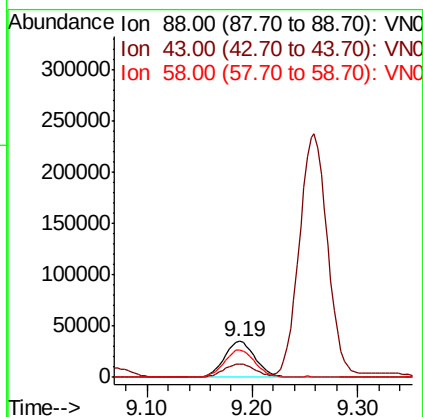
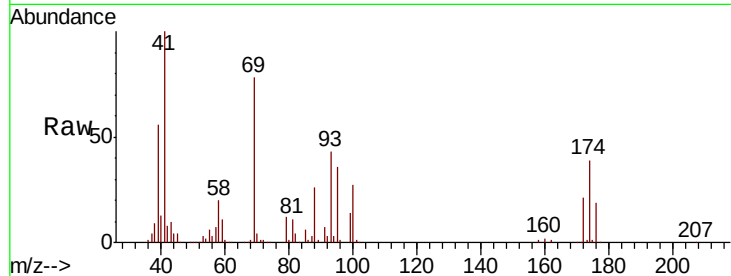




#49
1,4-Dioxane
Concen: 971.771 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

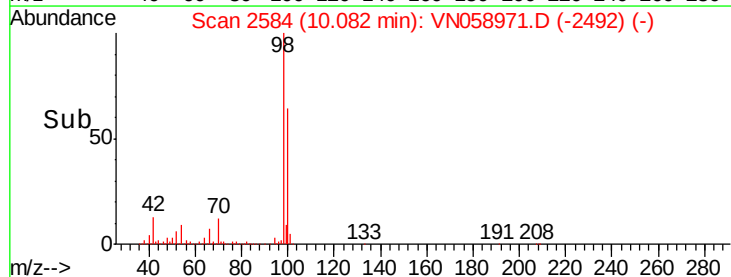
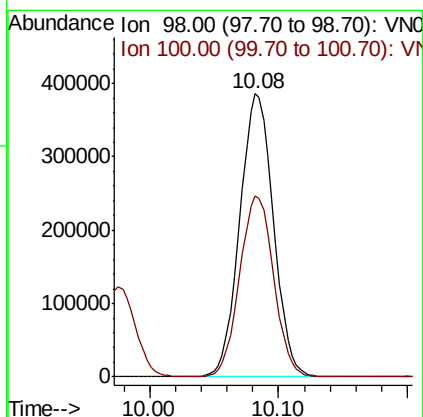
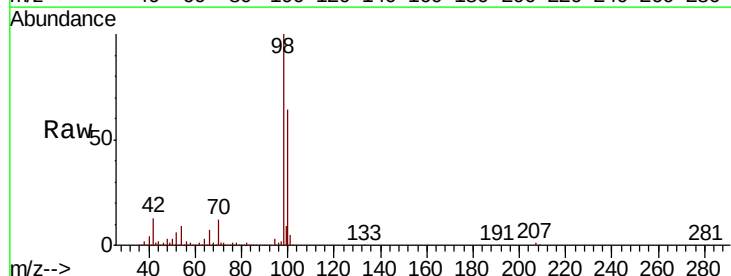
Instrument :
MSVOA_N
ClientSampleId :

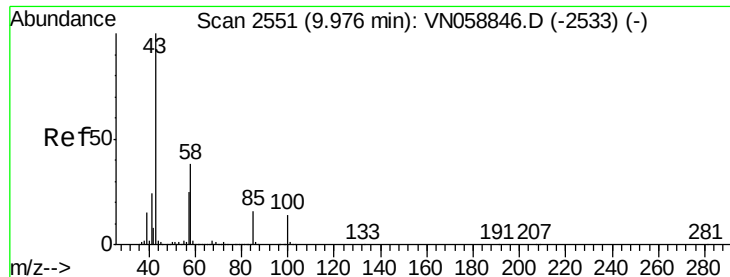
Tot Ion: 88 Resp: 71400
Ion Ratio Lower Upper
88 100
43 35.9 29.1 43.7
58 75.5 59.4 89.0



#50
Toluene-d8
Concen: 49.848 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 98 Resp: 701519
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 292.848 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

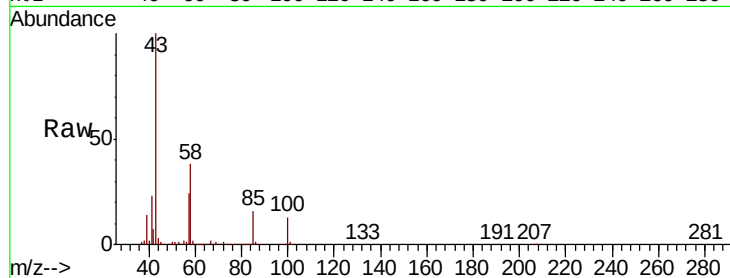
ClientSampleId :

Tot Ion: 43 Resp: 1687440

Ion Ratio Lower Upper

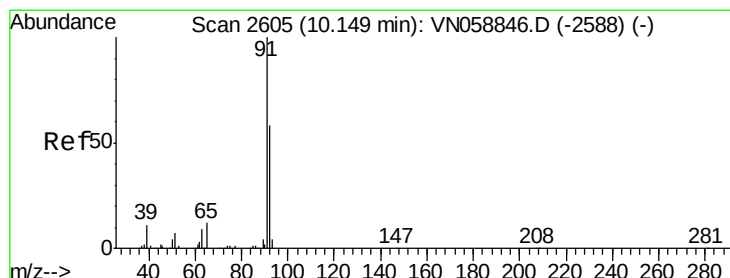
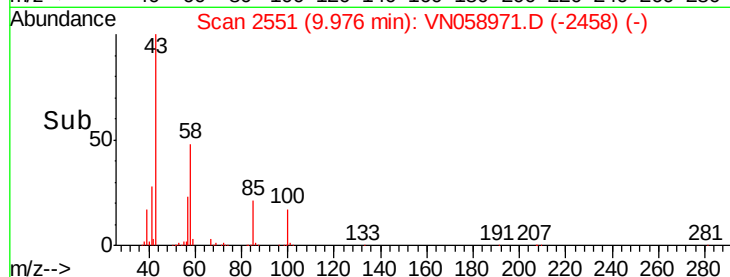
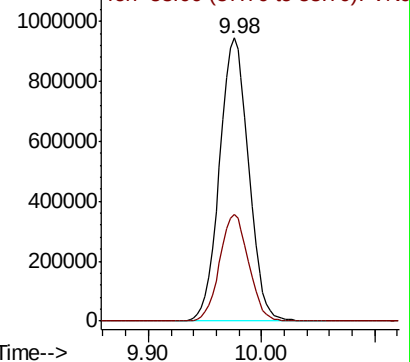
43 100

58 37.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 54.351 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058971.D

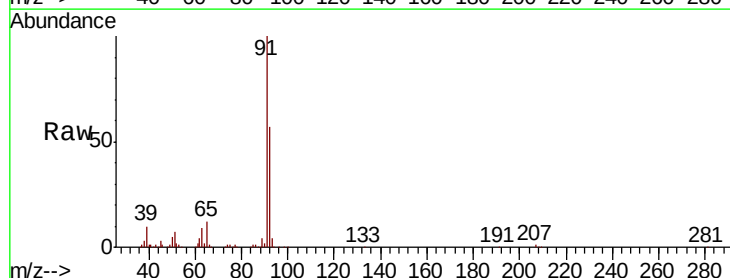
Acq: 24 Oct 2019 18:52

Tgt Ion: 92 Resp: 534304

Ion Ratio Lower Upper

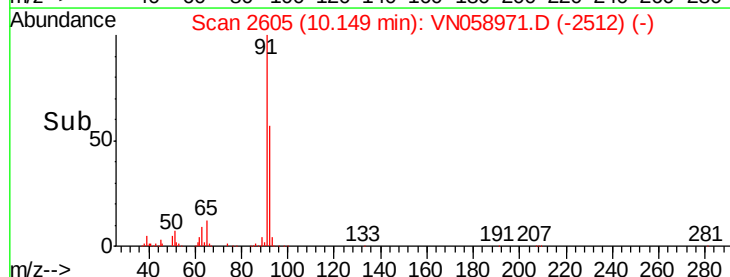
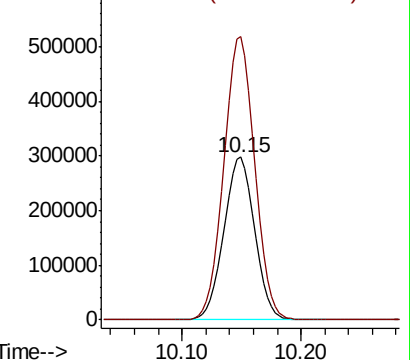
92 100

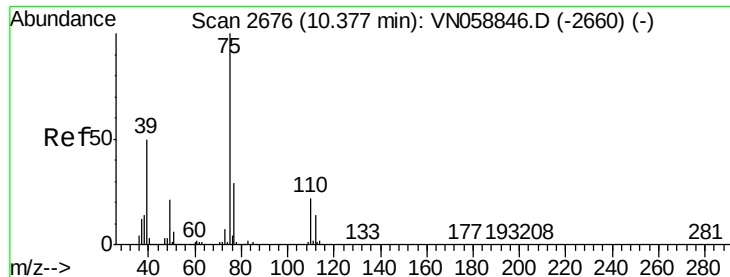
91 174.3 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 53.702 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

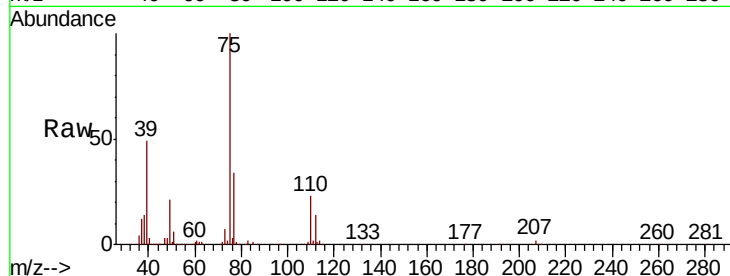
ClientSampleId :

Tot Ion: 75 Resp: 352112

Ion Ratio Lower Upper

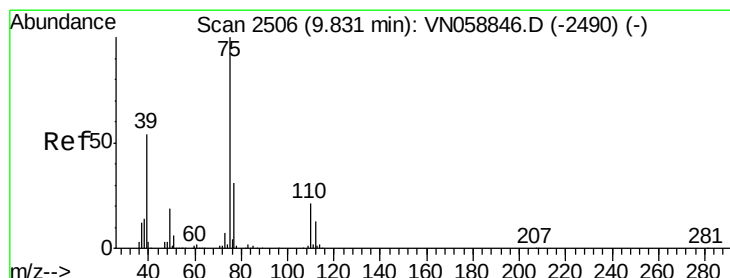
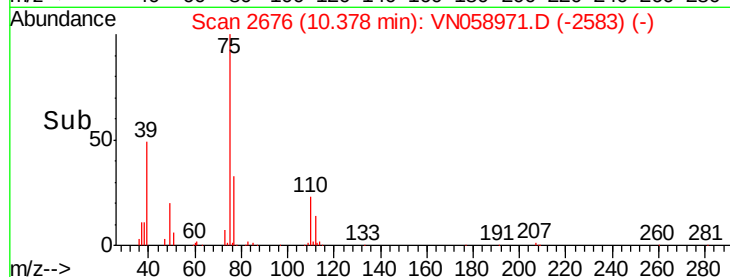
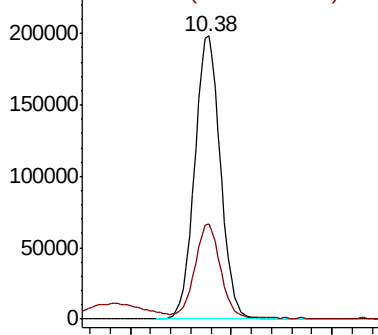
75 100

77 33.2 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: 52.655 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

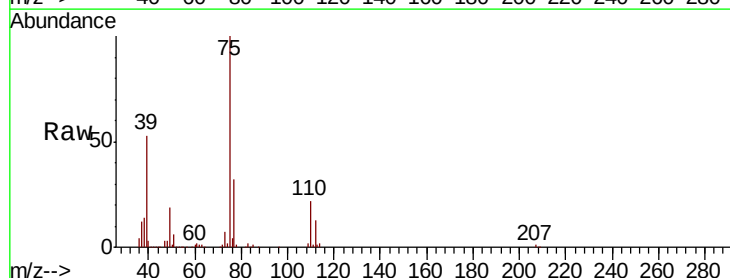
Tgt Ion: 75 Resp: 368850

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

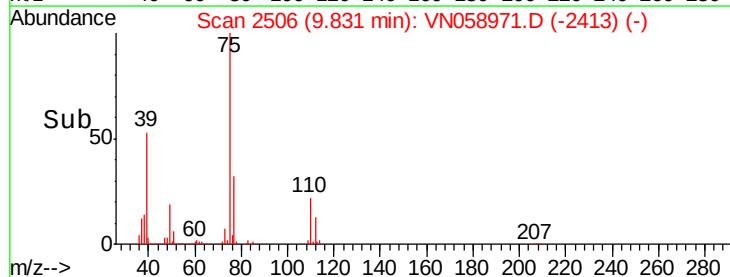
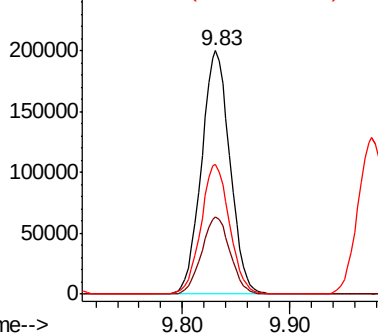
39 53.1 43.5 65.3

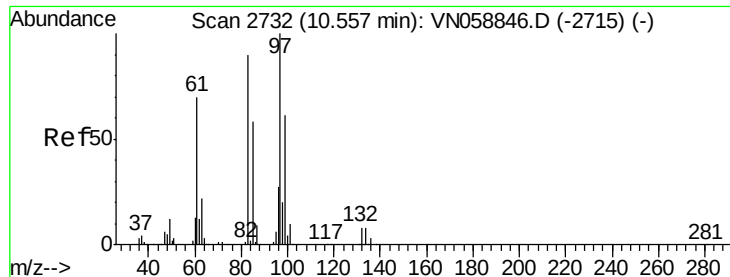


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 53.313 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 215902

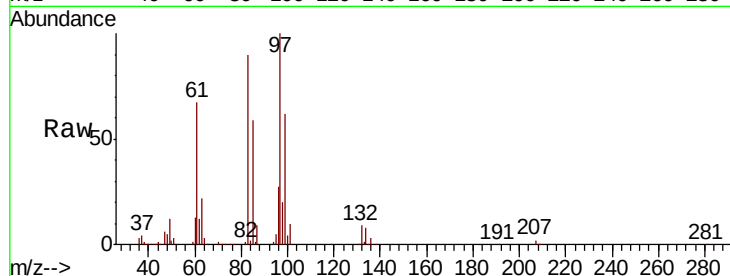
Ion Ratio Lower Upper

97 100

83 90.0 72.2 108.4

85 58.6 46.2 69.2

99 61.9 48.7 73.1

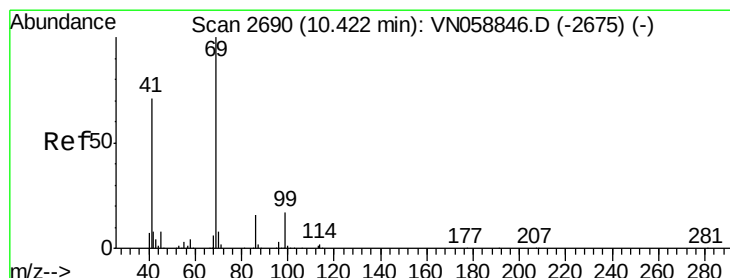
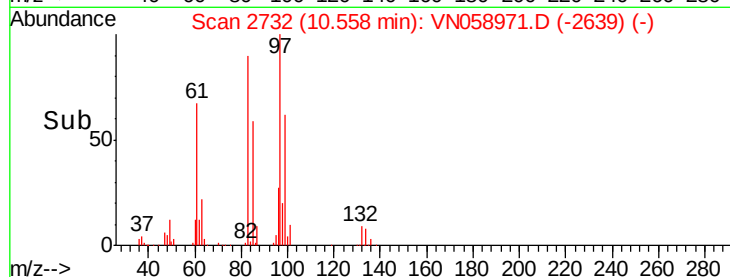
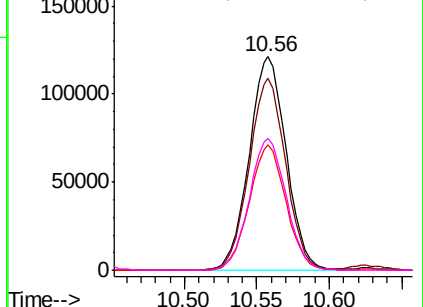


Abundance Ion 96.90 (96.60 to 97.60): VN0

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



#56

Ethyl methacrylate

Concen: 49.842 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

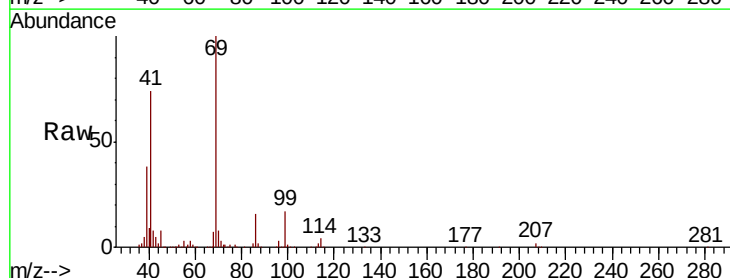
Tgt Ion: 69 Resp: 339012

Ion Ratio Lower Upper

69 100

41 72.5 57.2 85.8

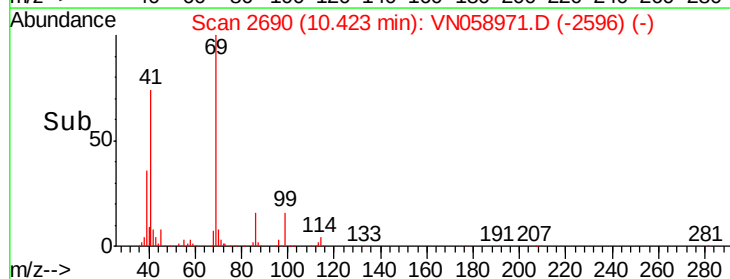
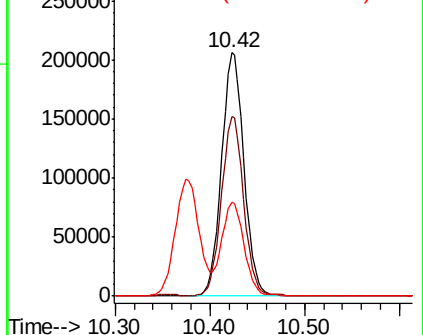
39 38.7 31.0 46.4

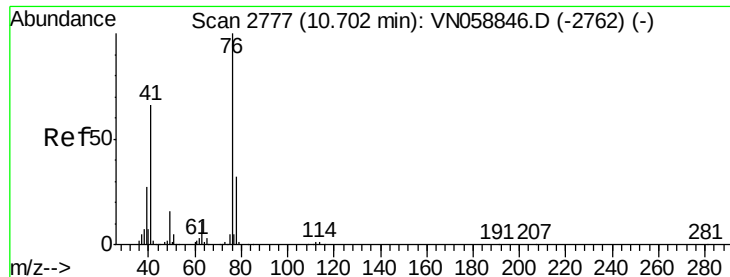


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.011 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

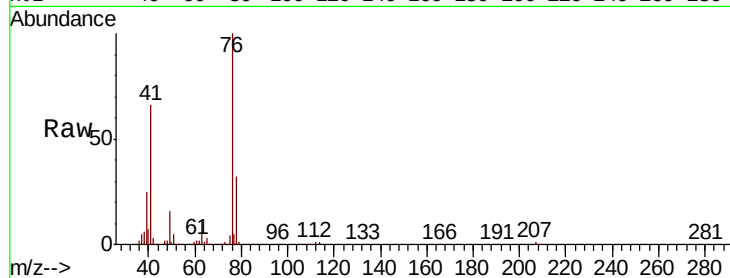
ClientSampled :

Tot Ion: 76 Resp: 376790

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN058846.D (-2762) (-)

10.70

250000

200000

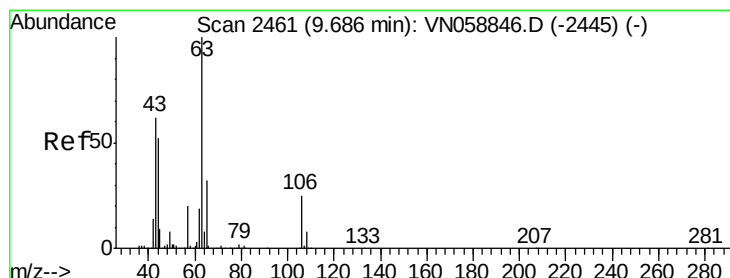
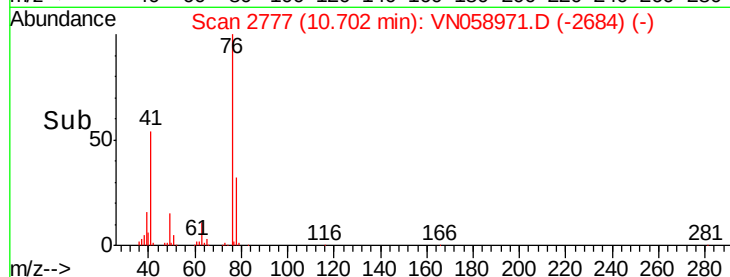
150000

100000

50000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 258.608 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058971.D

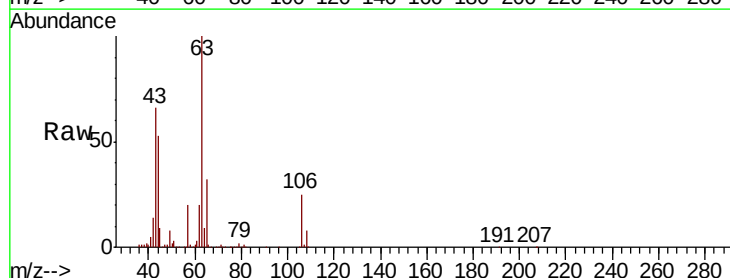
Acq: 24 Oct 2019 18:52

Tgt Ion: 63 Resp: 743444

Ion Ratio Lower Upper

63 100

106 24.7 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-2445) (-)

Ion 105.90 (105.60 to 106.60): VN058846.D (-2445) (-)

9.69

500000

400000

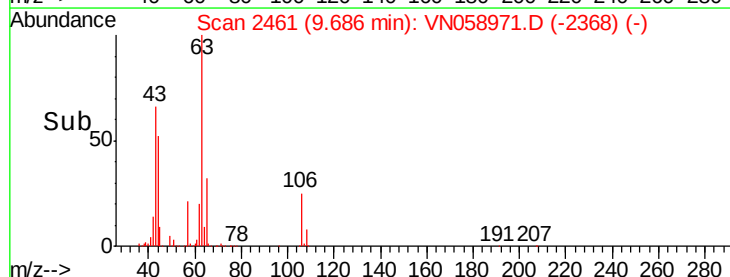
300000

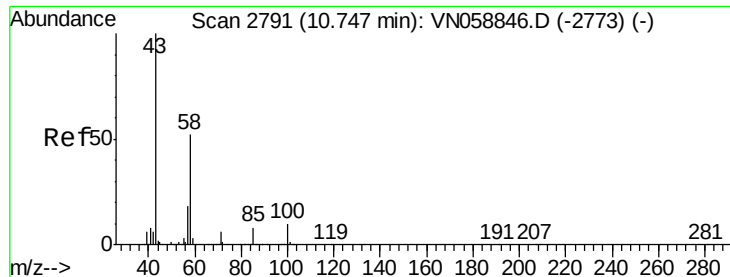
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80

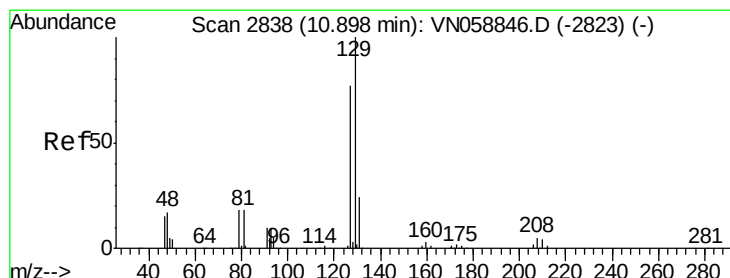
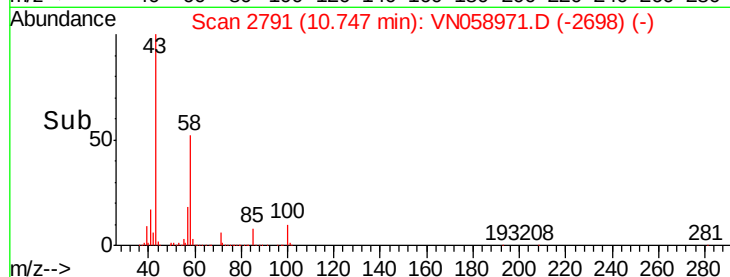
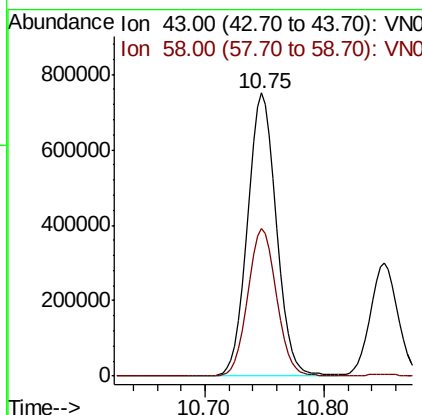
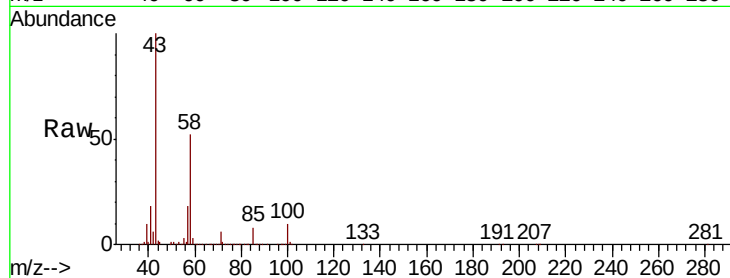




#59
2-Hexanone
Concen: 282.317 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

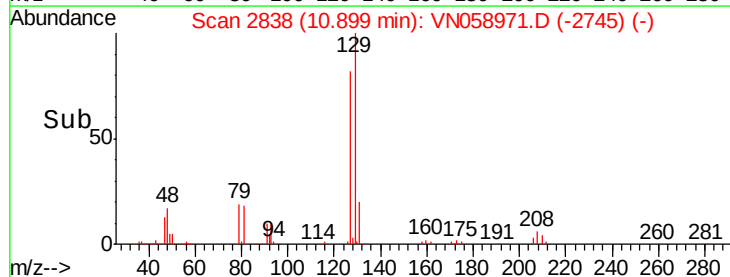
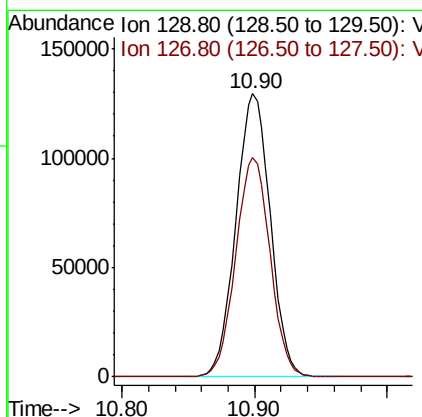
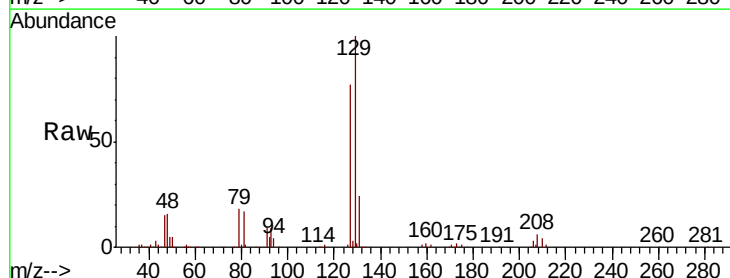
Instrument :
MSVOA_N
ClientSampled :

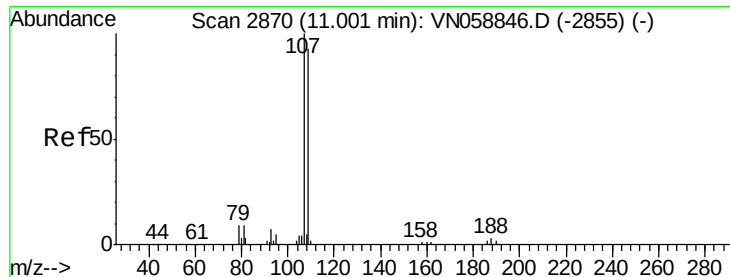
Tot Ion: 43 Resp: 1257048
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7



#60
Dibromochloromethane
Concen: 53.542 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 129 Resp: 233385
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.421 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

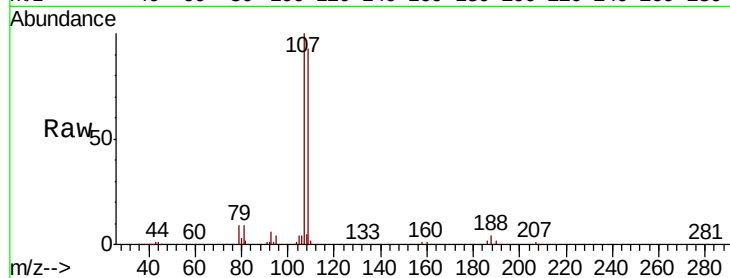
ClientSampled :

Tot Ion: 107 Resp: 221399

Ion Ratio Lower Upper

107 100

109 94.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

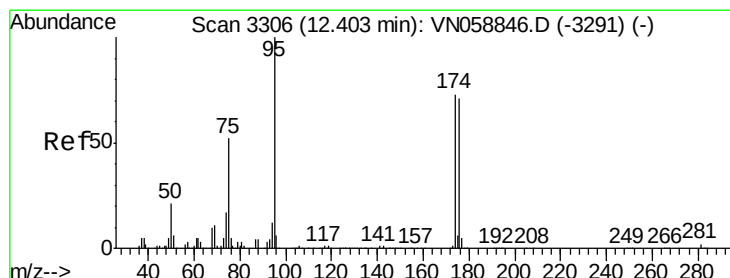
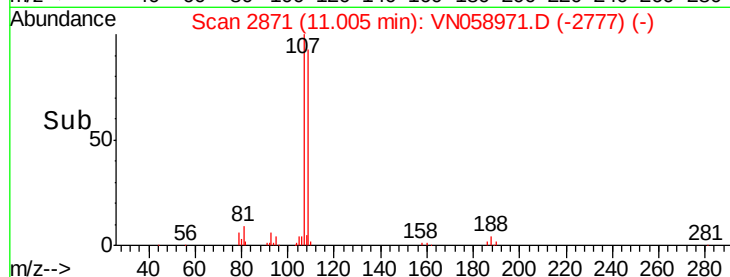
11.00

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.134 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

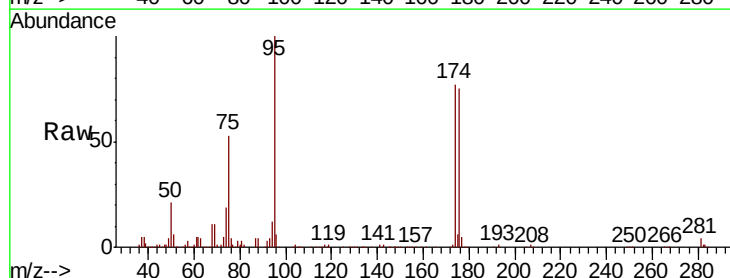
Tgt Ion: 95 Resp: 259092

Ion Ratio Lower Upper

95 100

174 77.1 0.0 147.6

176 74.6 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

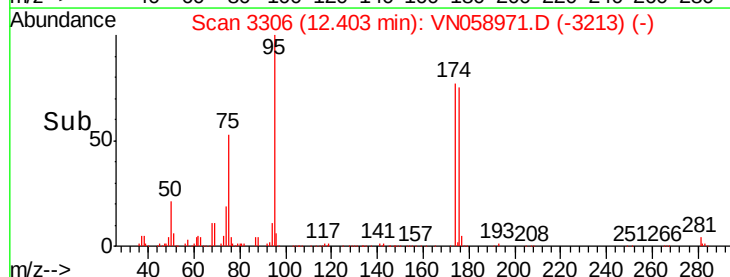
150000

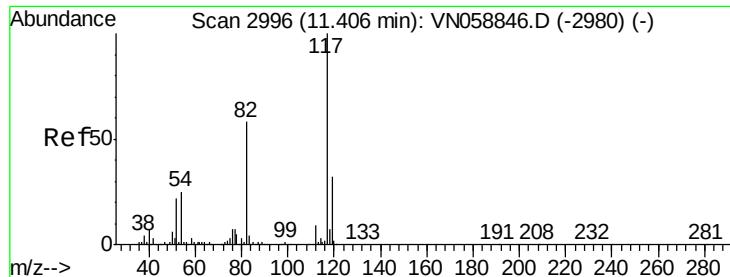
100000

50000

0

Time--> 12.35 12.40 12.45

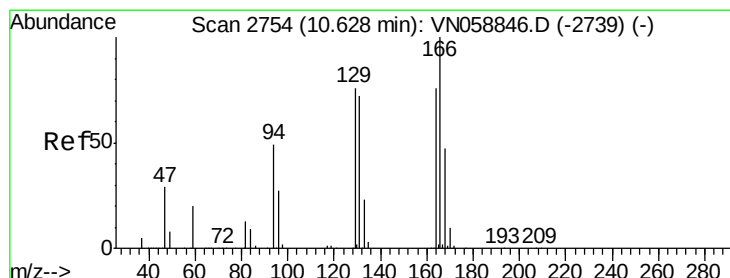
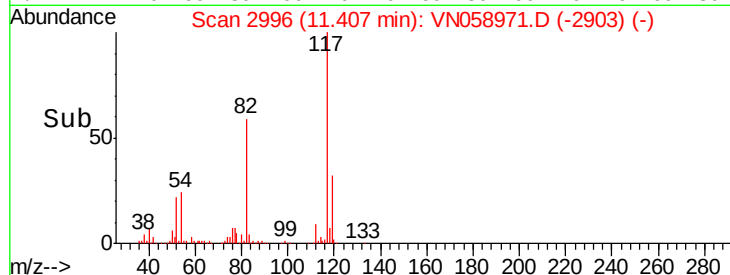
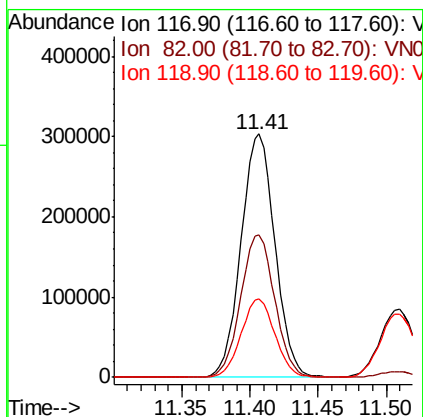
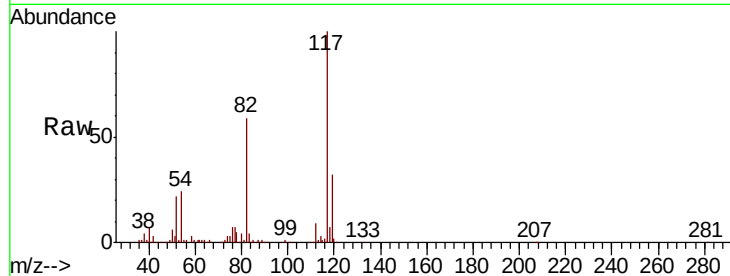




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

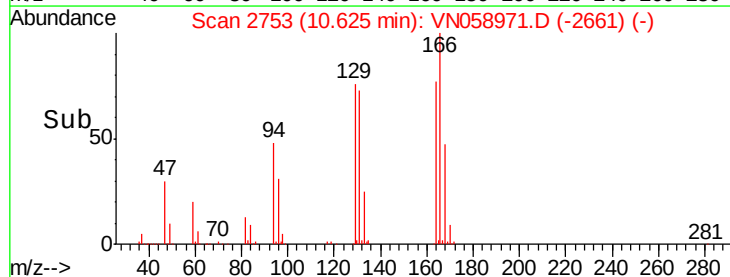
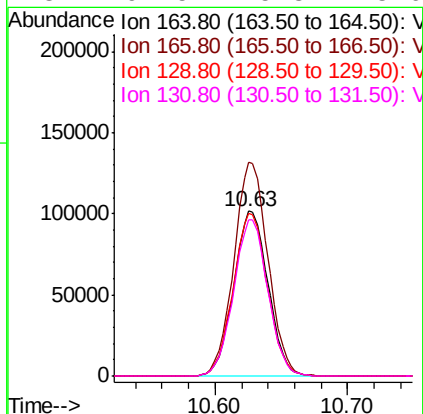
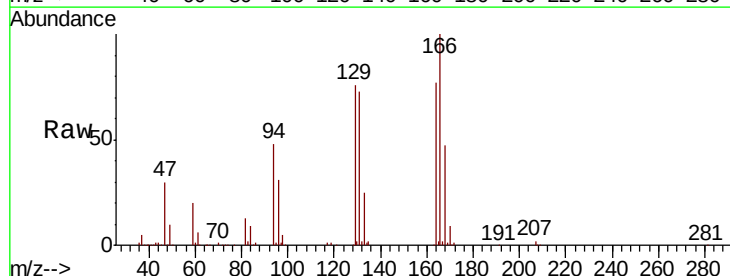
Instrument :
MSVOA_N
ClientSampleId :

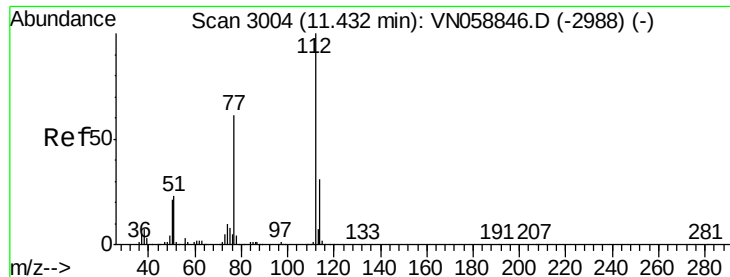
Tot Ion:117 Resp: 523717
Ion Ratio Lower Upper
117 100
82 58.6 46.6 69.8
119 32.2 25.6 38.4



#64
Tetrachloroethene
Concen: 49.762 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion:164 Resp: 182514
Ion Ratio Lower Upper
164 100
166 129.7 104.8 157.2
129 99.0 79.3 118.9
131 94.5 75.8 113.6

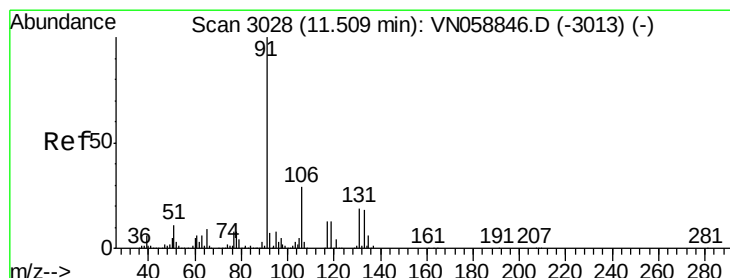
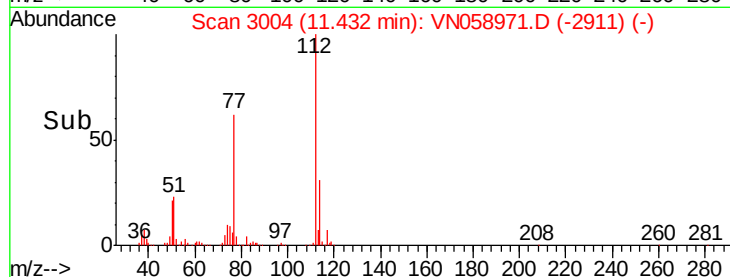
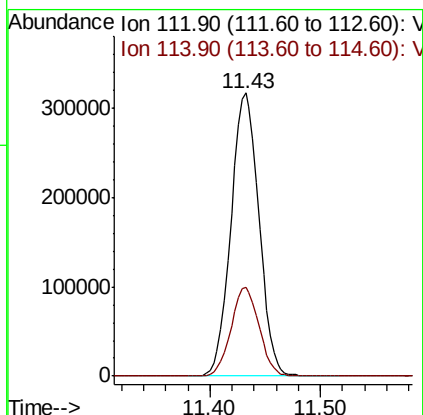
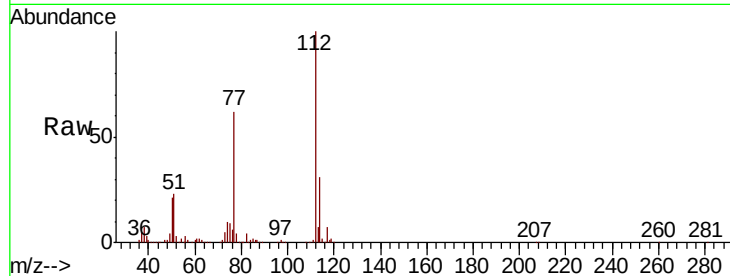




#65
Chlorobenzene
Concen: 52.337 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

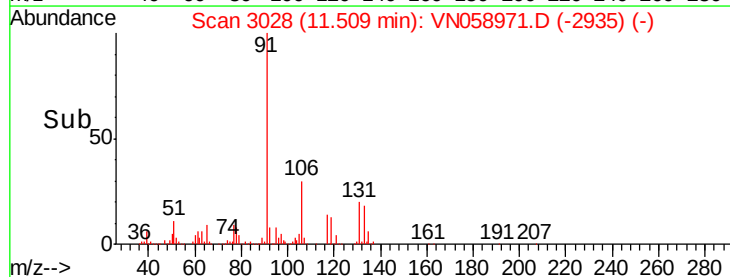
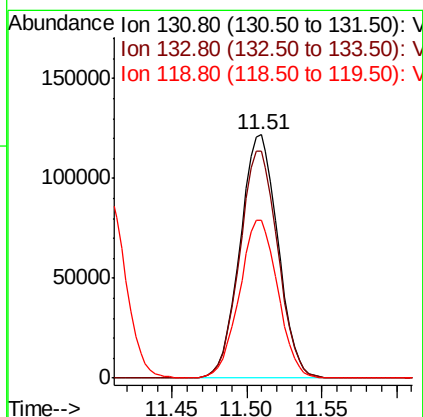
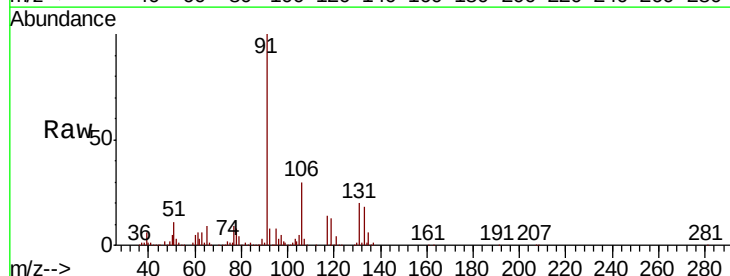
Instrument :
MSVOA_N
ClientSampled :

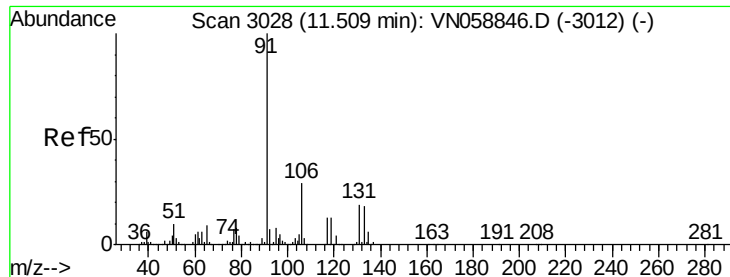
Tot Ion:112 Resp: 558028
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.309 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion:131 Resp: 214486
Ion Ratio Lower Upper
131 100
133 94.7 48.4 145.2
119 65.9 33.6 100.8





#67

Ethyl Benzene

Concen: 55.282 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

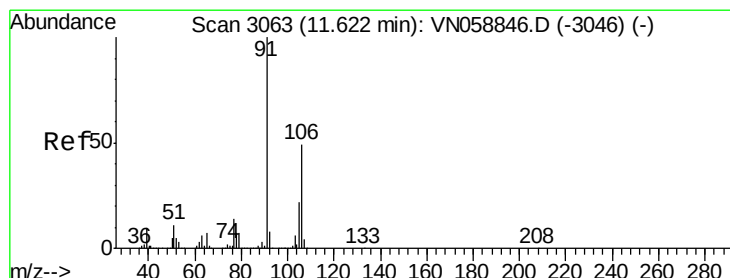
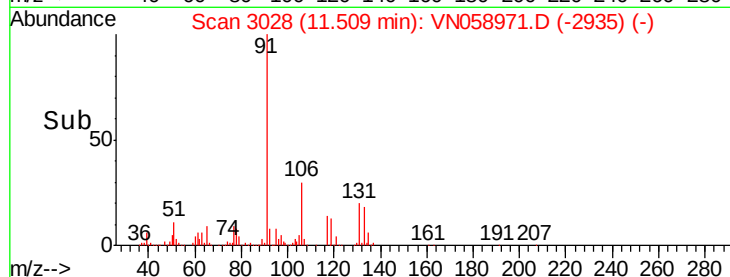
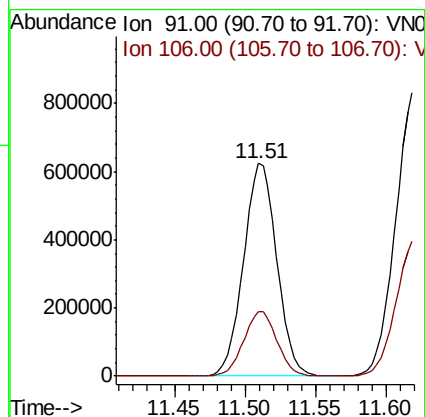
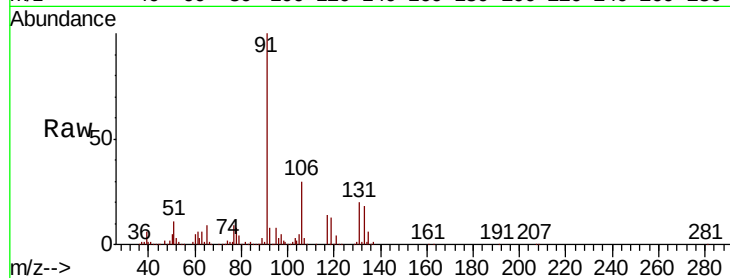
ClientSampled :

Tot Ion: 91 Resp: 1033983

Ion Ratio Lower Upper

91 100

106 30.3 23.4 35.0



#68

m/p-Xylenes

Concen: 109.551 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058971.D

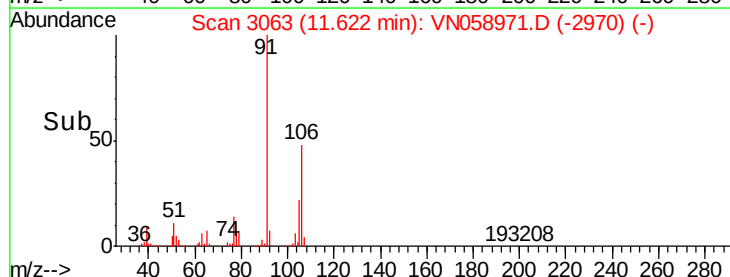
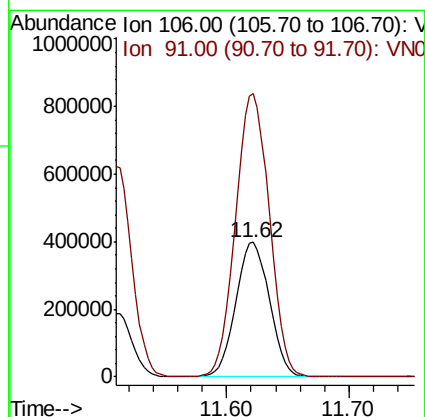
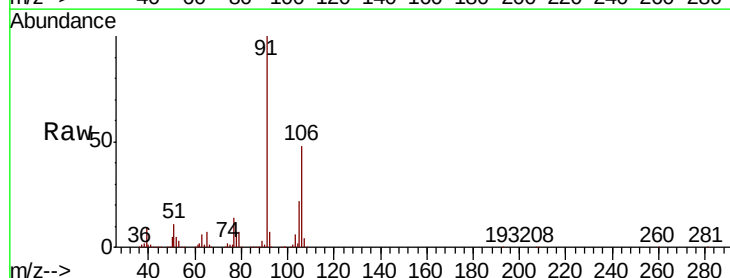
Acq: 24 Oct 2019 18:52

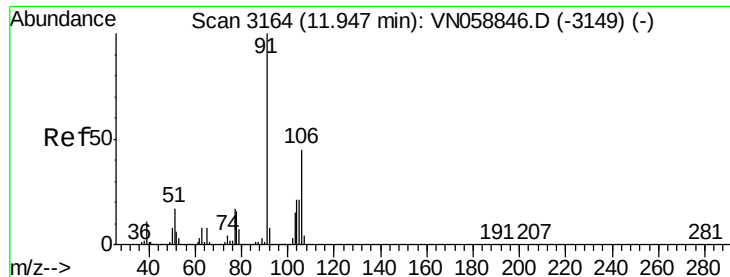
Tgt Ion: 106 Resp: 759877

Ion Ratio Lower Upper

106 100

91 211.7 166.6 249.8

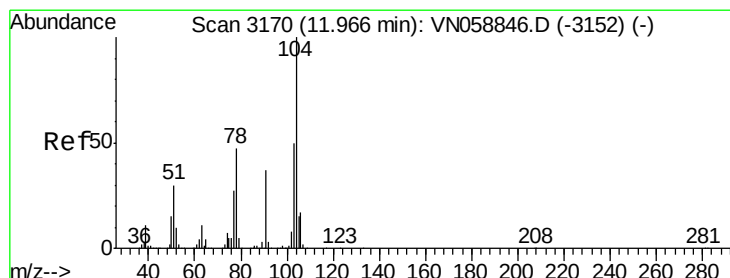
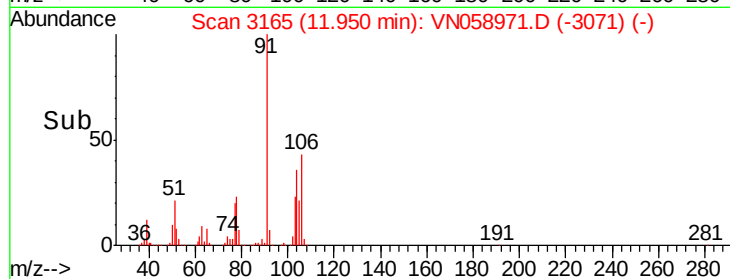
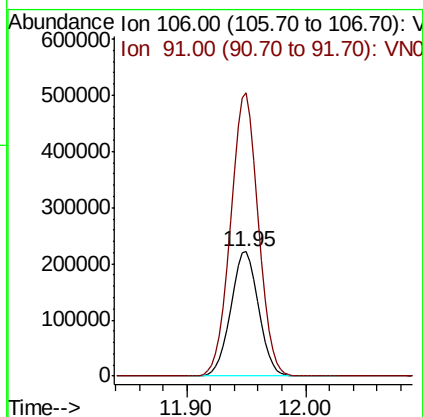
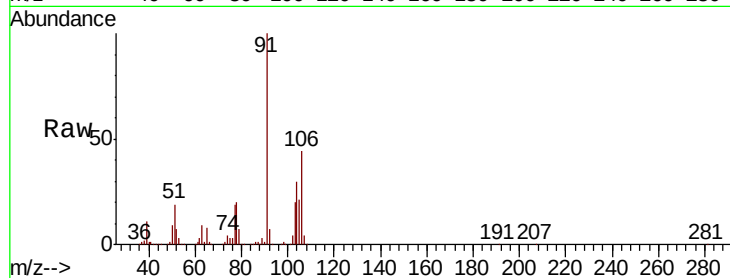




#69
o-Xylene
Concen: 54.335 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

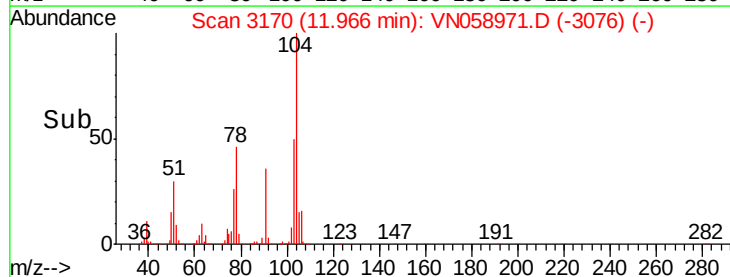
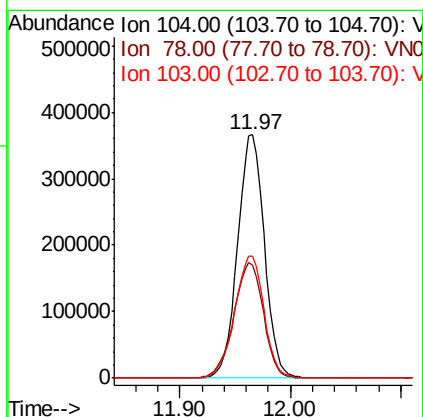
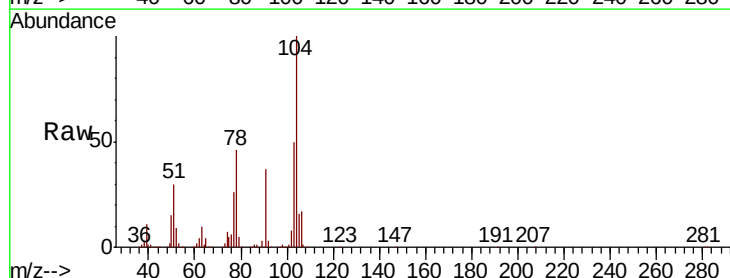
Instrument :
MSVOA_N
ClientSampled :

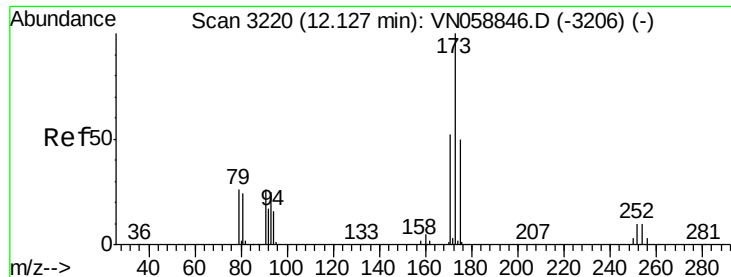
Tot Ion:106 Resp: 359446
Ion Ratio Lower Upper
106 100
91 225.8 111.5 334.4



#70
Styrene
Concen: 50.530 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion:104 Resp: 617250
Ion Ratio Lower Upper
104 100
78 52.6 42.8 64.2
103 54.9 44.3 66.5





#71

Bromoform

Concen: 54.038 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampled :

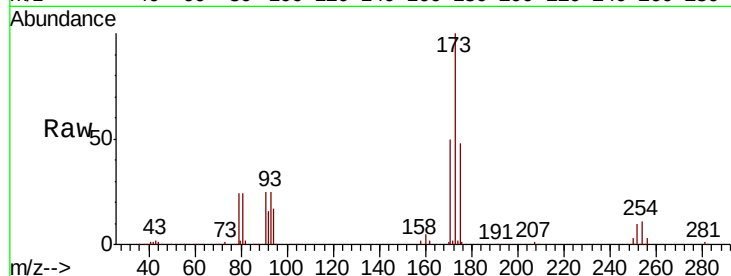
Tot Ion:173 Resp: 168595

Ion Ratio Lower Upper

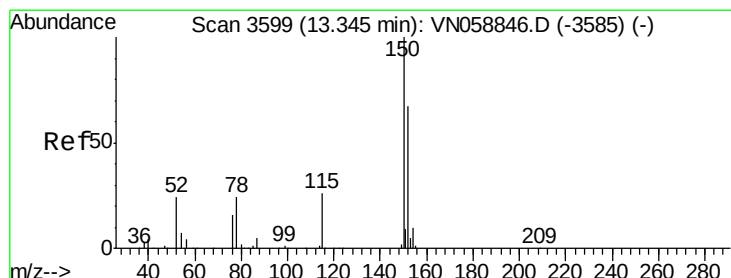
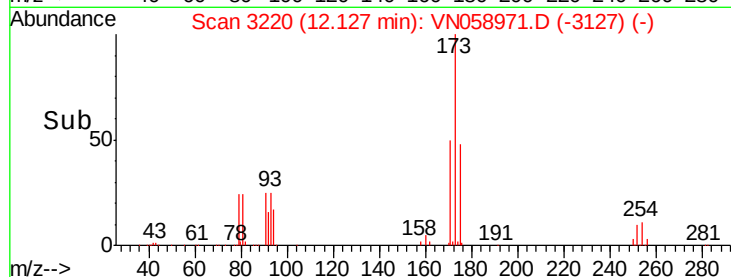
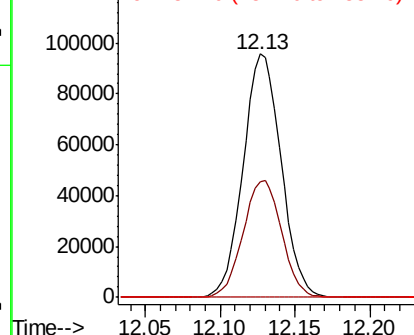
173 100

175 48.8 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# 3600

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

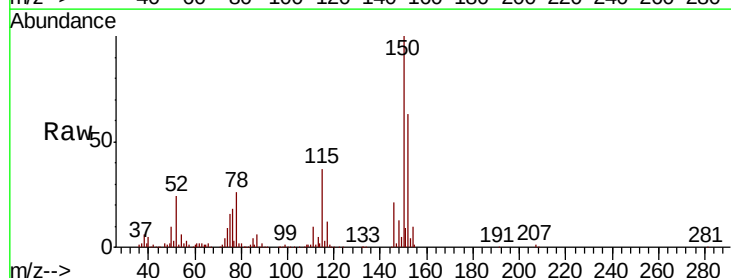
Tgt Ion:152 Resp: 259989

Ion Ratio Lower Upper

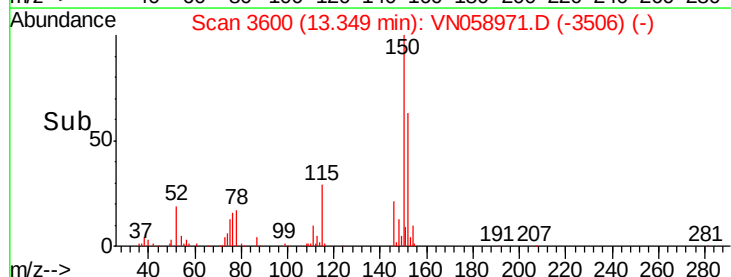
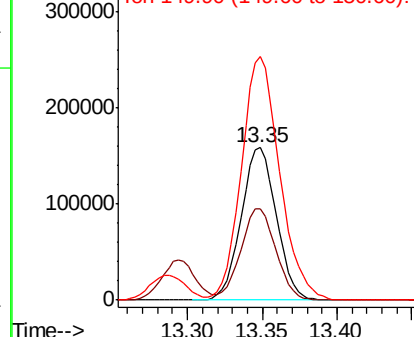
152 100

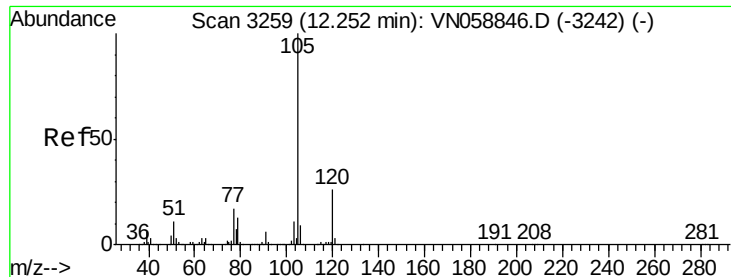
115 59.4 30.5 91.5

150 173.8 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: 52.716 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

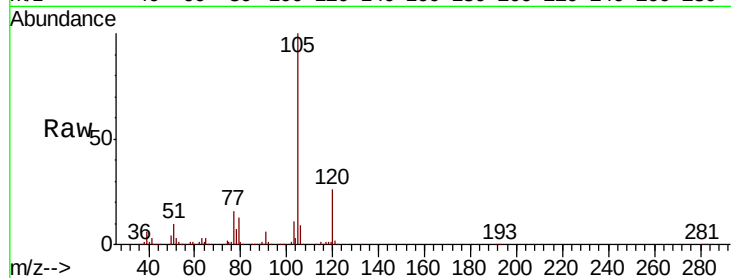
ClientSampleId :

Tot Ion:105 Resp: 1001616

Ion Ratio Lower Upper

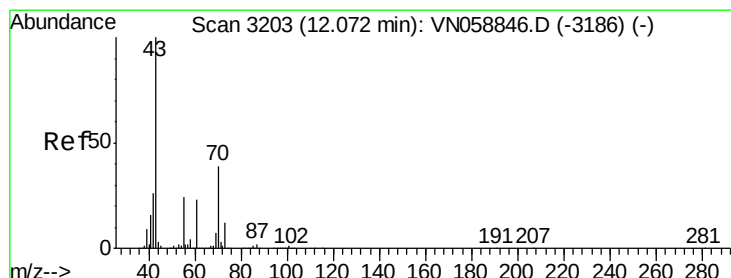
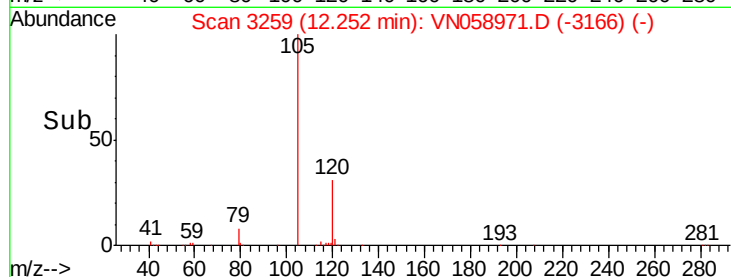
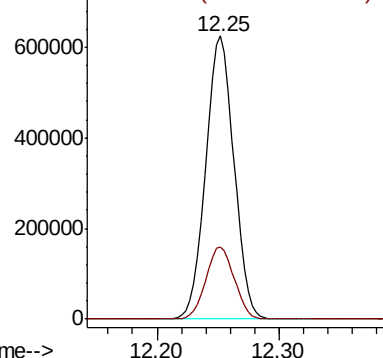
105 100

120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.482 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion: 43 Resp: 469307

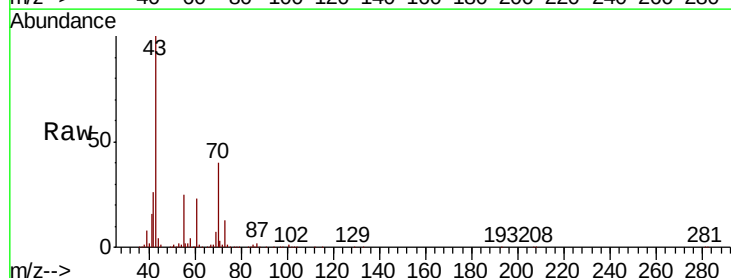
Ion Ratio Lower Upper

43 100

70 39.4 30.9 46.3

55 25.4 19.7 29.5

61 23.3 18.2 27.4

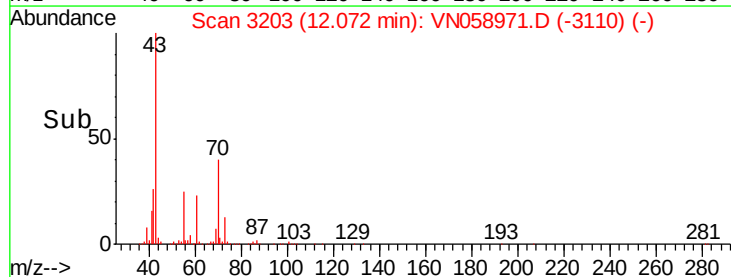
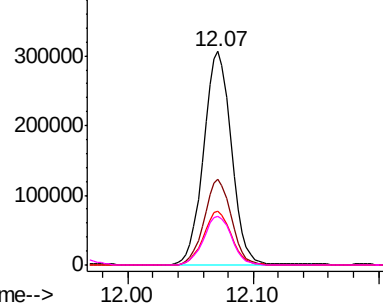


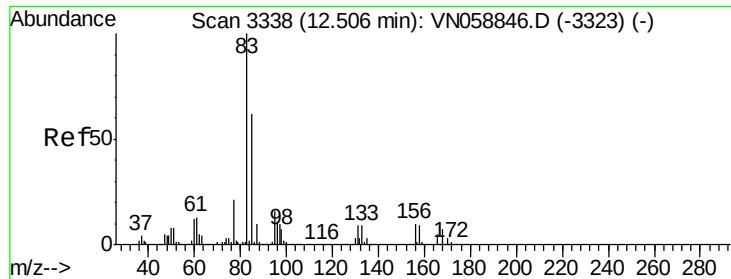
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.637 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

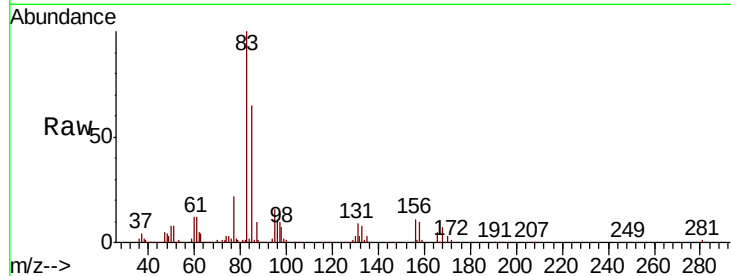
Tot Ion: 83 Resp: 338300

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	63.8	31.7	95.1

83 100

131 9.5 4.7 14.1

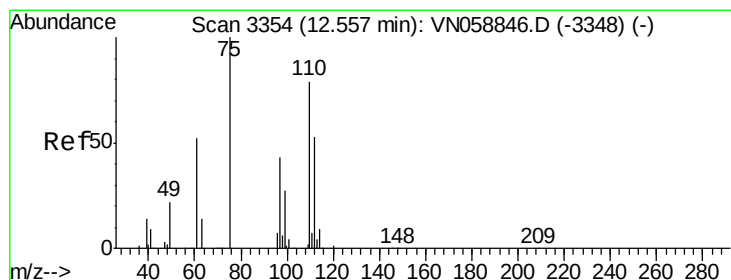
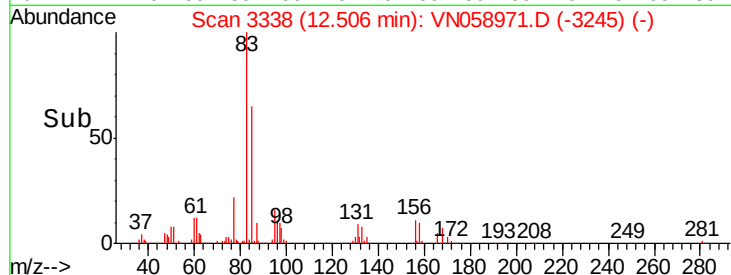
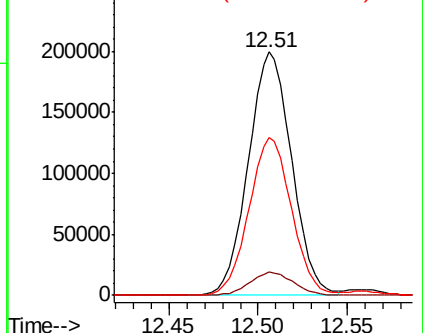
85 63.8 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 74.705 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058971.D

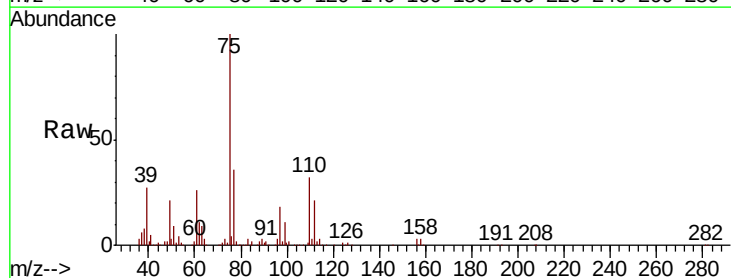
Acq: 24 Oct 2019 18:52

Tgt Ion: 75 Resp: 450137

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

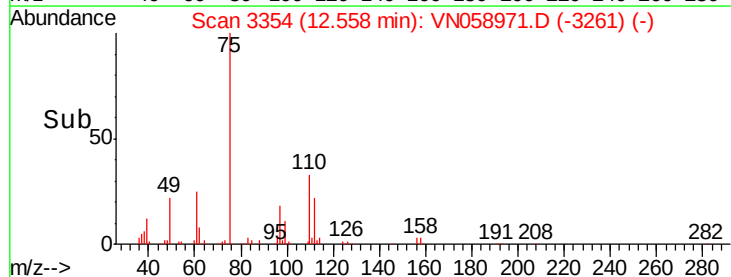
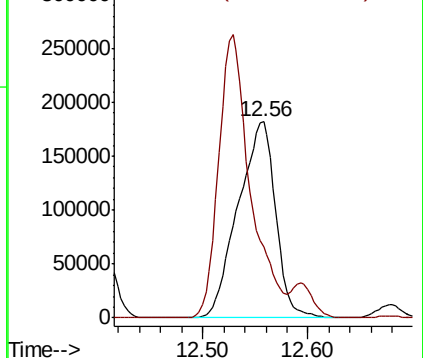
75 100

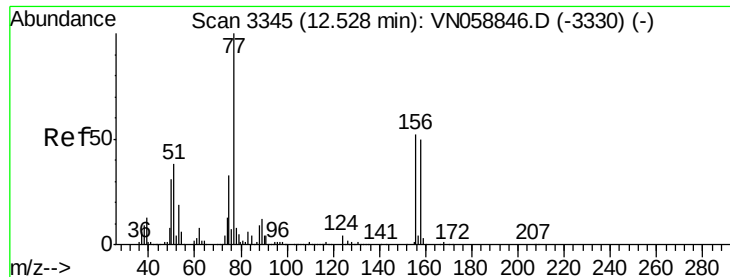
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.615 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

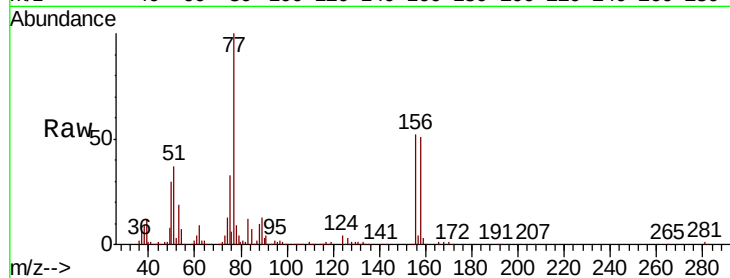
Tot Ion:156 Resp: 237041

Ion Ratio Lower Upper

156 100

77 232.3 118.0 354.0

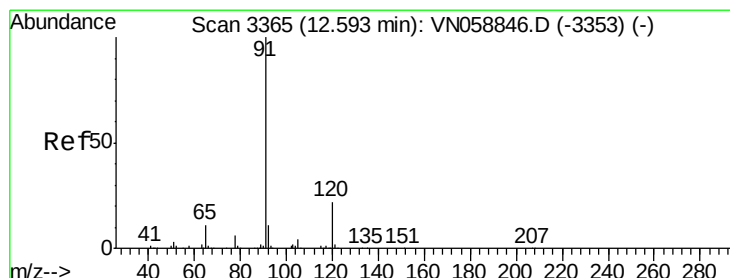
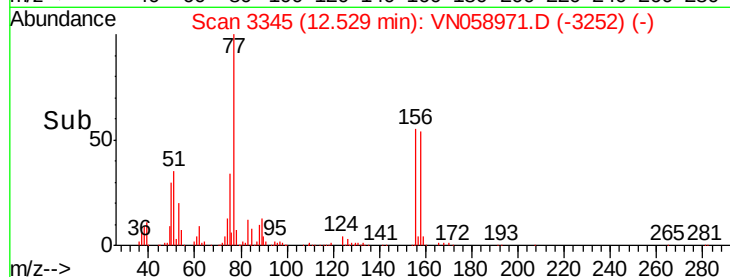
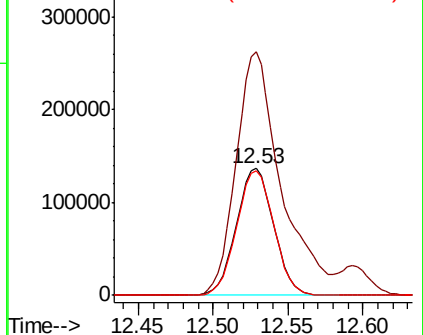
158 98.2 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.057 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058971.D

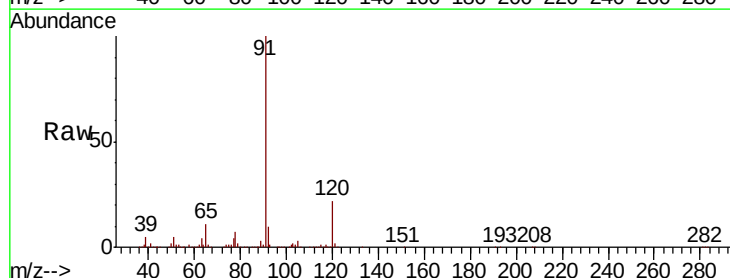
Acq: 24 Oct 2019 18:52

Tgt Ion: 91 Resp: 1191612

Ion Ratio Lower Upper

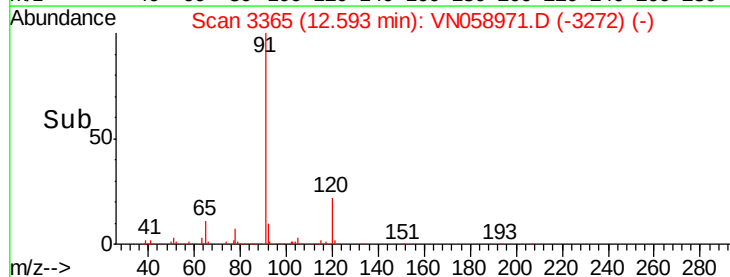
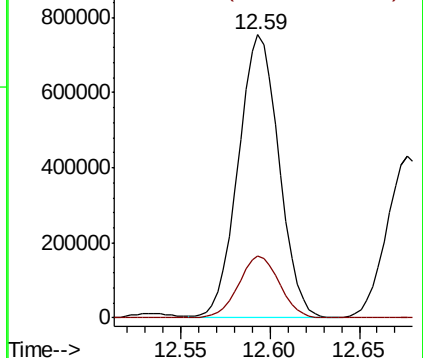
91 100

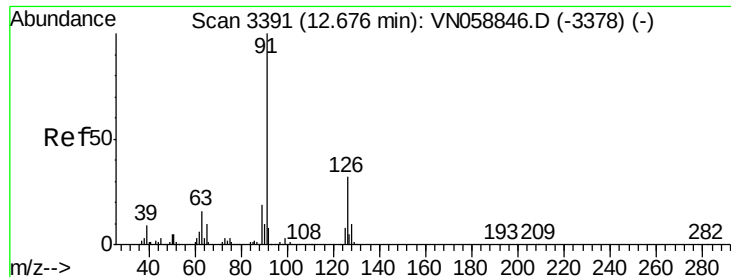
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.286 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

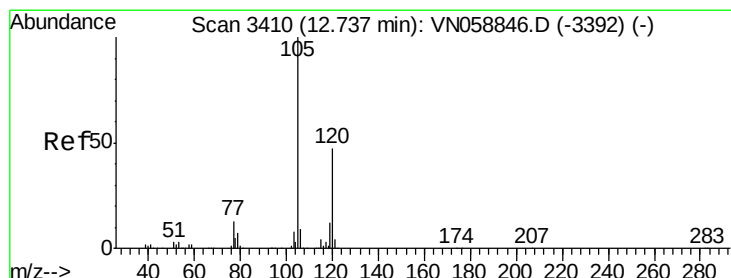
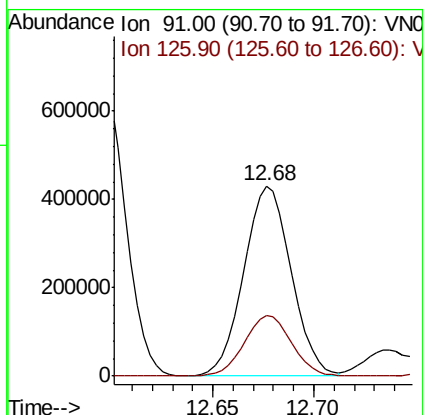
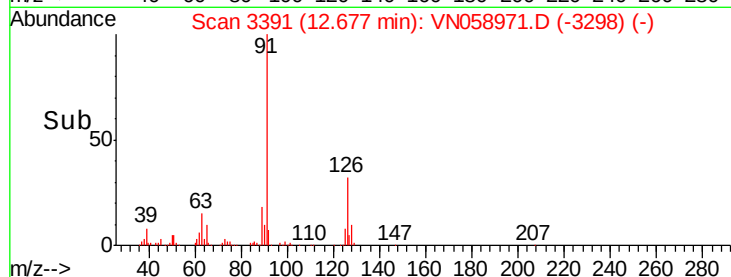
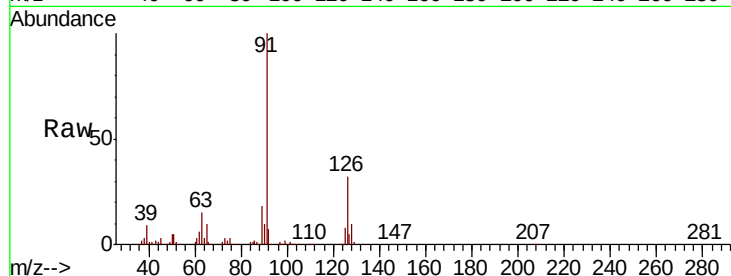
ClientSampled :

Tot Ion: 91 Resp: 704975

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 53.885 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058971.D

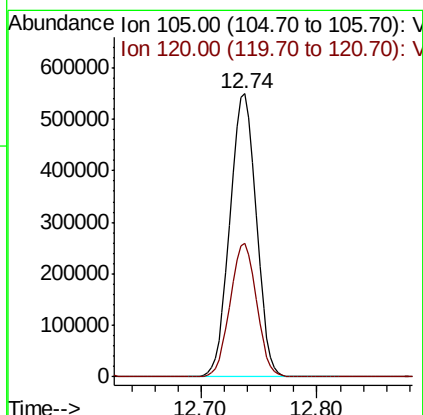
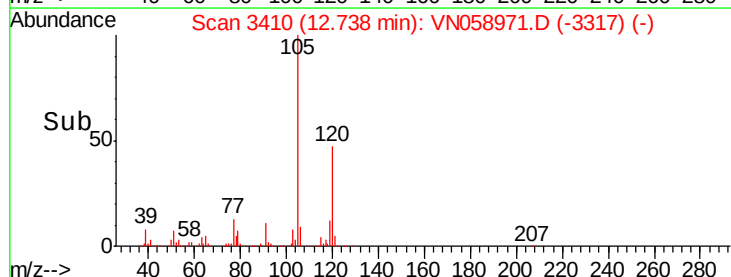
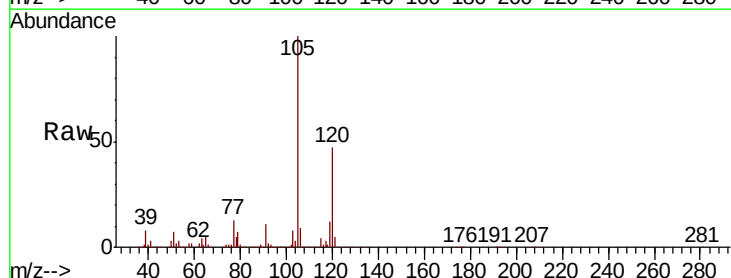
Acq: 24 Oct 2019 18:52

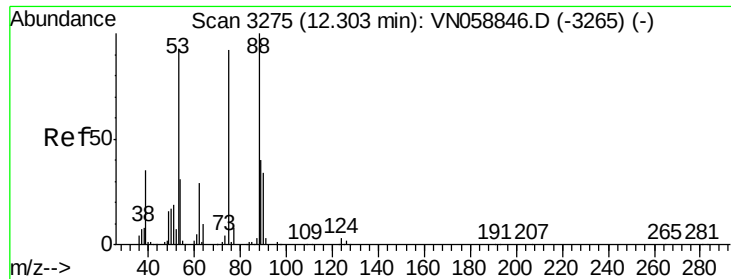
Tgt Ion: 105 Resp: 860202

Ion Ratio Lower Upper

105 100

120 47.2 23.8 71.5

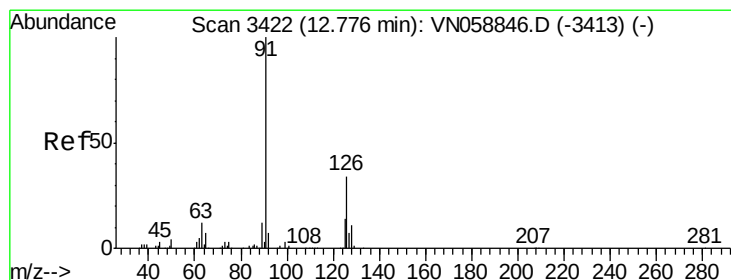
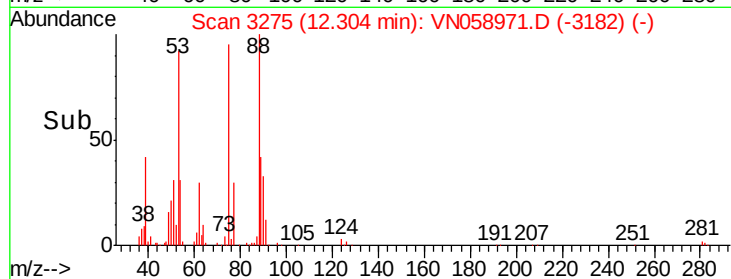
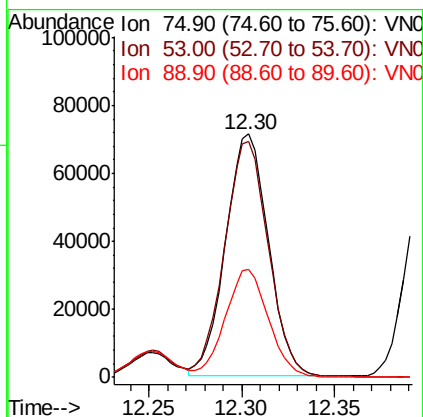
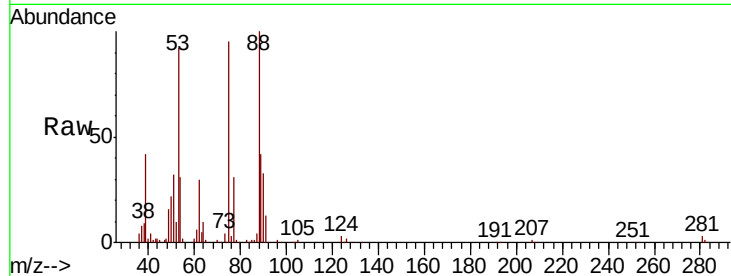




#81
trans-1,4-Dichloro-2-butene
Concen: 49.351 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

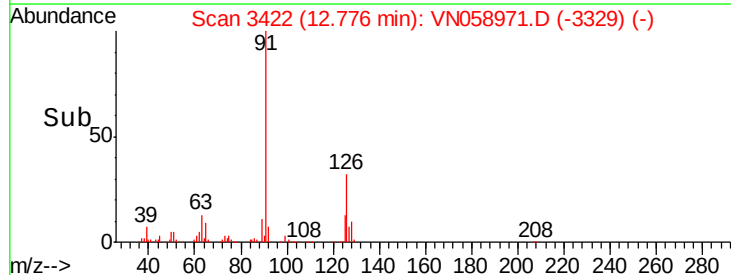
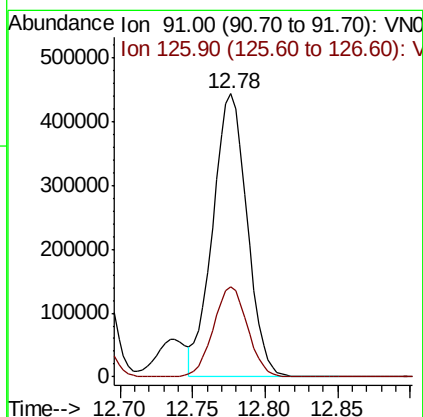
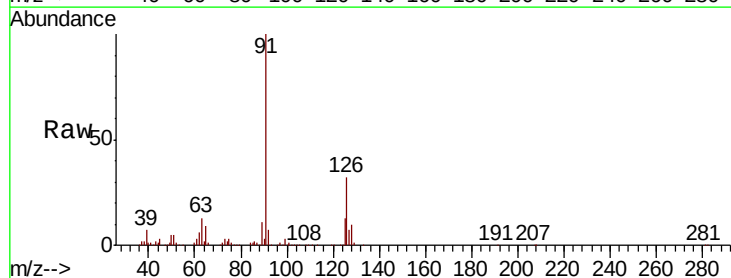
Instrument :
MSVOA_N
ClientSampled :

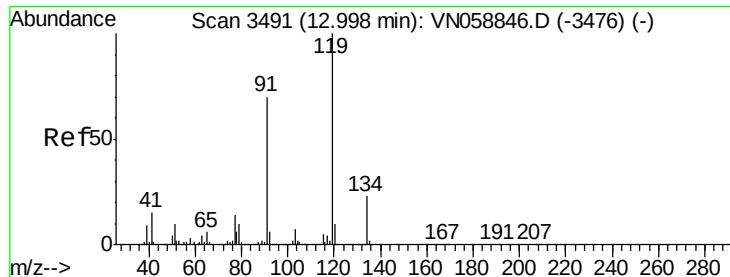
Tot Ion: 75 Resp: 114148
Ion Ratio Lower Upper
75 100
53 100.8 78.6 118.0
89 45.3 35.4 53.0



#82
4-Chlorotoluene
Concen: 51.994 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion: 91 Resp: 730378
Ion Ratio Lower Upper
91 100
126 31.7 16.0 47.9

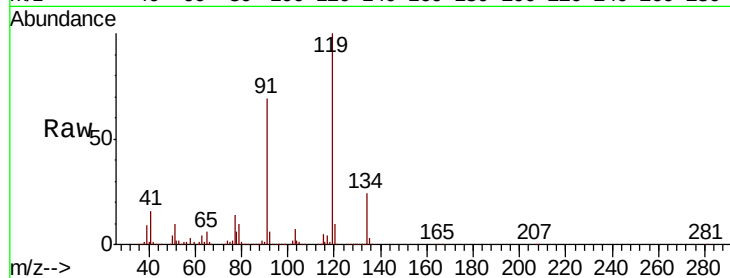




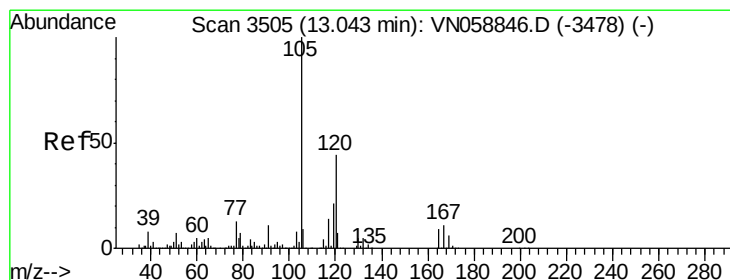
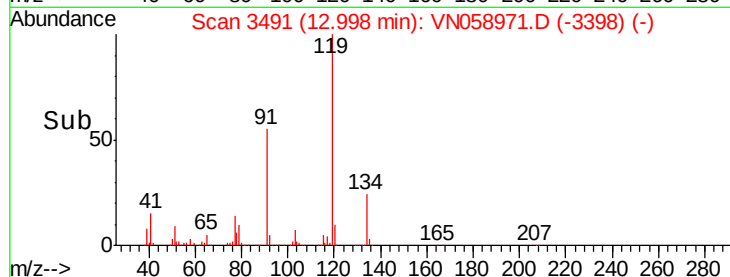
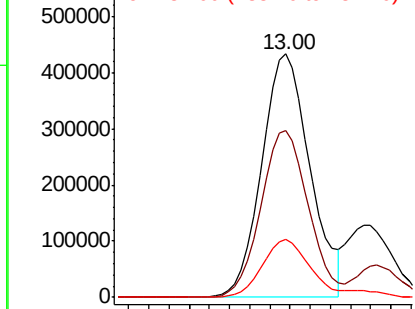
#83
 tert-Butylbenzene
 Concen: 52.909 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.1	102.3
134	23.4	11.6	34.8

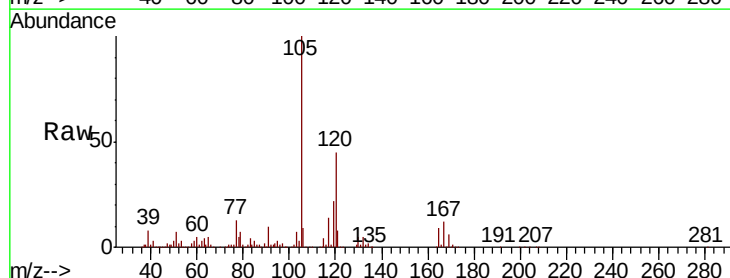


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

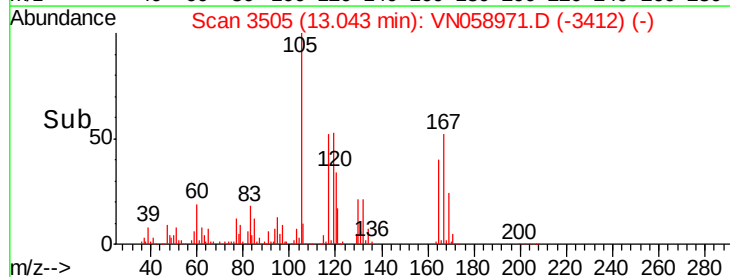
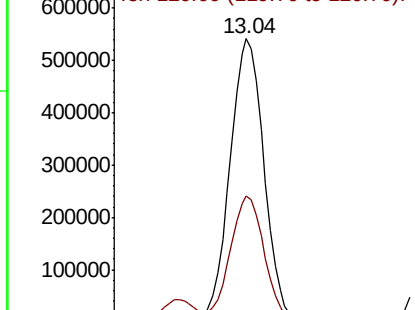


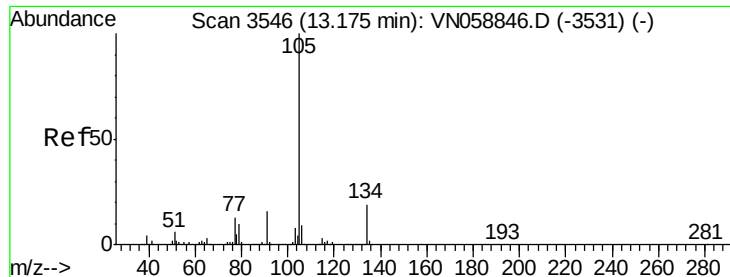
#84
 1,2,4-Trimethylbenzene
 Concen: 54.474 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	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: 53.767 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

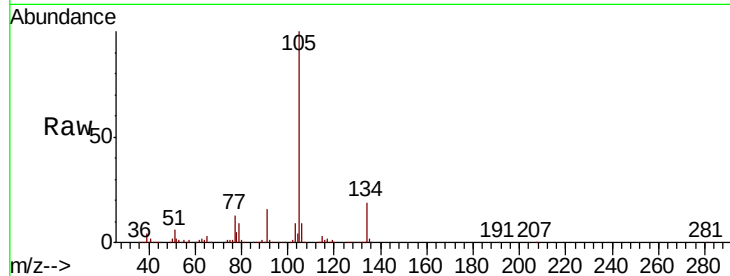
ClientSampled :

Tot Ion:105 Resp: 978574

Ion Ratio Lower Upper

105 100

134 19.3 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

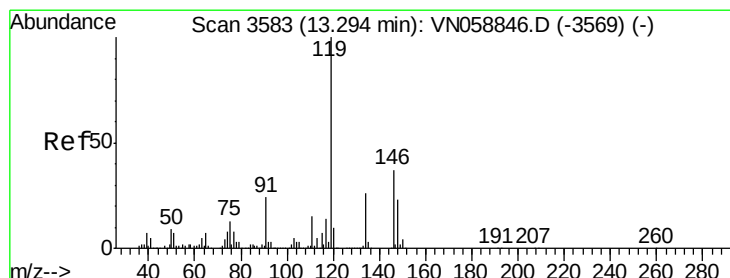
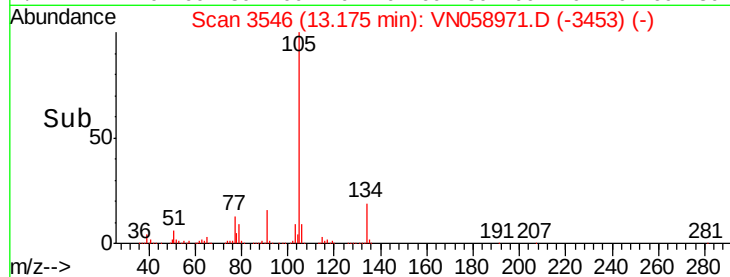
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.958 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

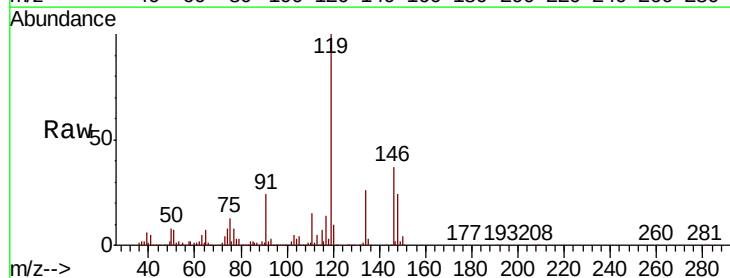
Tgt Ion:119 Resp: 882572

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.7 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

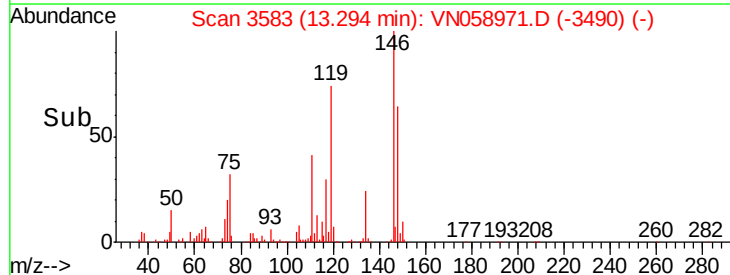
600000

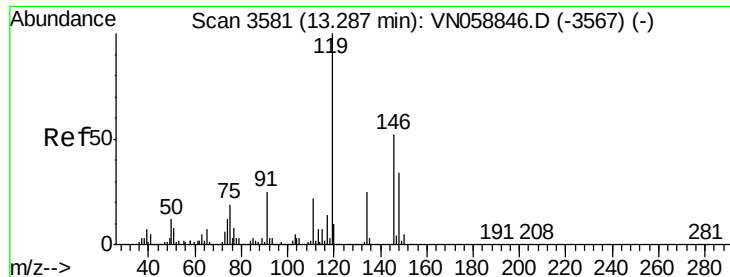
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.481 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

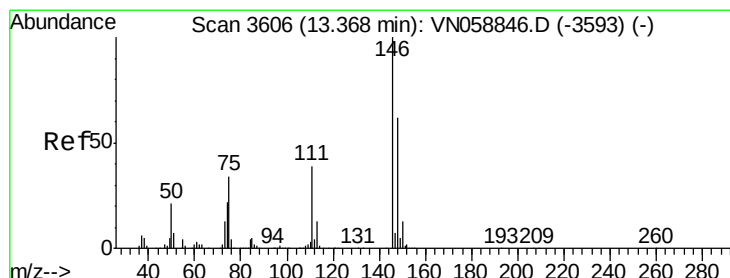
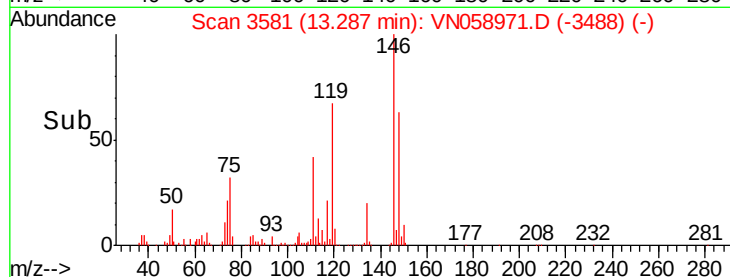
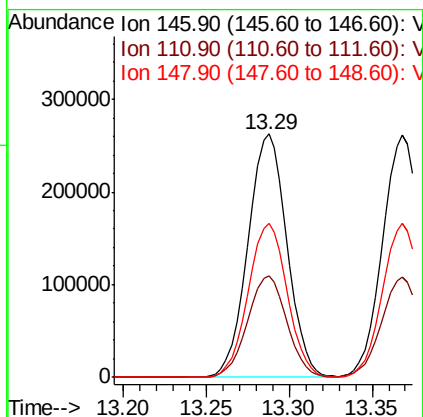
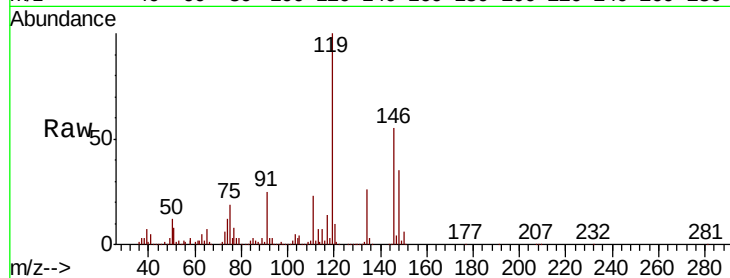
Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:146 Resp: 431103

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	63.4	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 50.632 ug/l

RT: 13.37 min Scan# 3606

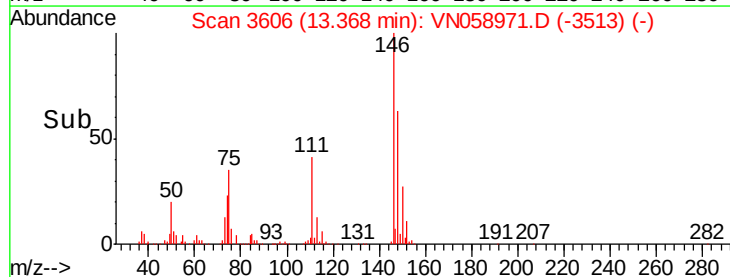
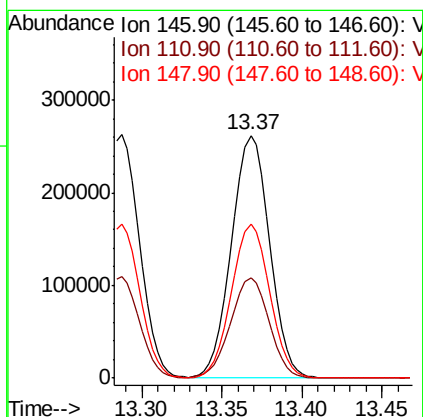
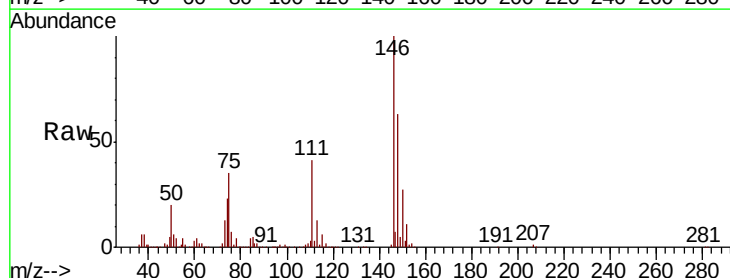
Delta R.T. 0.00 min

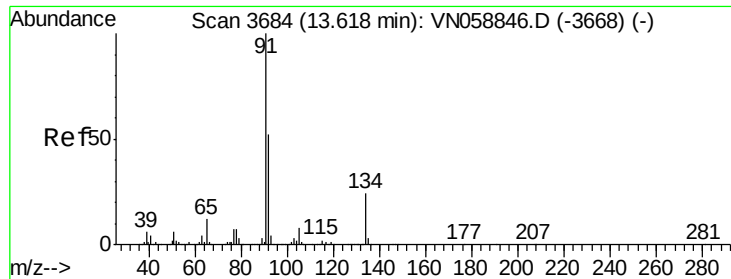
Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion:146 Resp: 424495

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.6
148	63.8	31.6	94.7





#89

n-Butylbenzene

Concen: 53.918 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA_N

ClientSampleId :

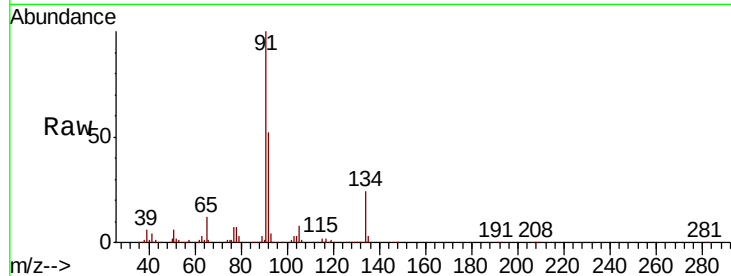
Tot Ion: 91 Resp: 795407

Ion Ratio Lower Upper

91 100

92 51.9 25.7 77.1

134 24.3 11.9 35.5

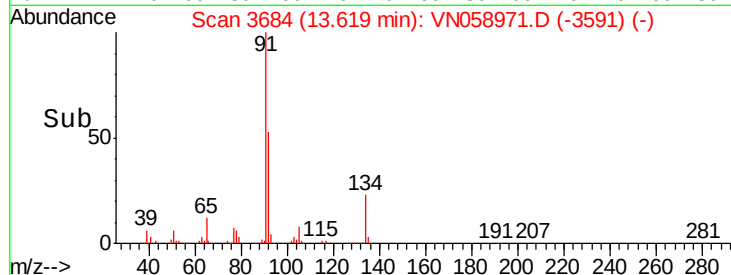


Abundance Ion 91.00 (90.70 to 91.70): VN058971.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058971.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058971.D (-3668) (-)

Time-->

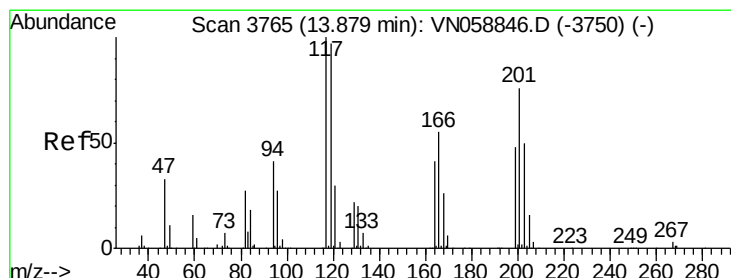


Abundance Ion 91.00 (90.70 to 91.70): VN058971.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN058971.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN058971.D (-3591) (-)

Time-->



#90

Hexachloroethane

Concen: 50.118 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058971.D

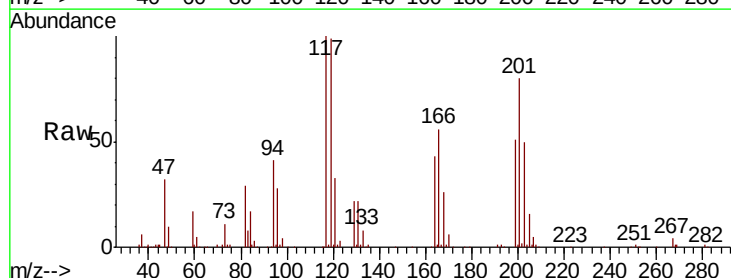
Acq: 24 Oct 2019 18:52

Tgt Ion: 117 Resp: 163091

Ion Ratio Lower Upper

117 100

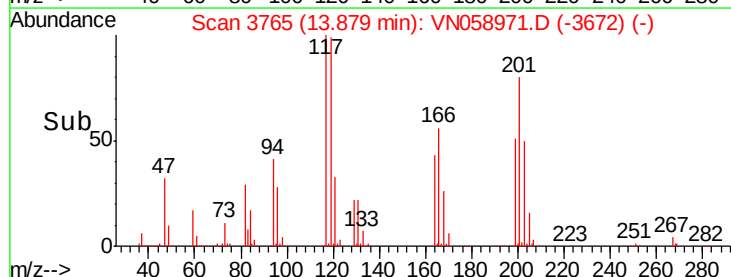
201 80.5 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058971.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058971.D (-3750) (-)

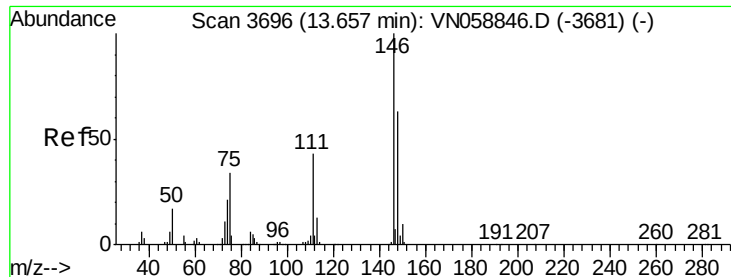
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN058971.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN058971.D (-3672) (-)

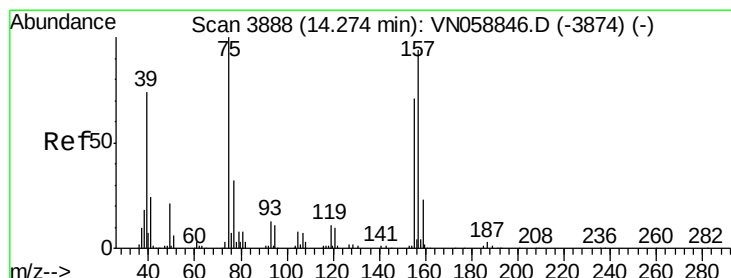
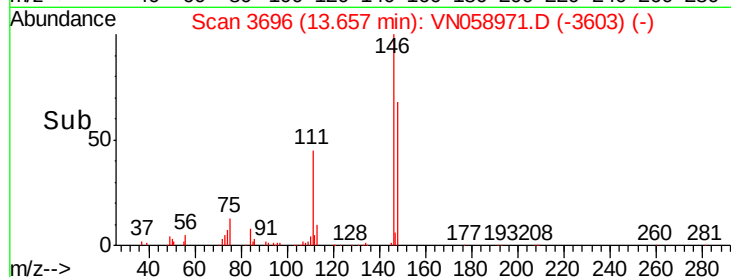
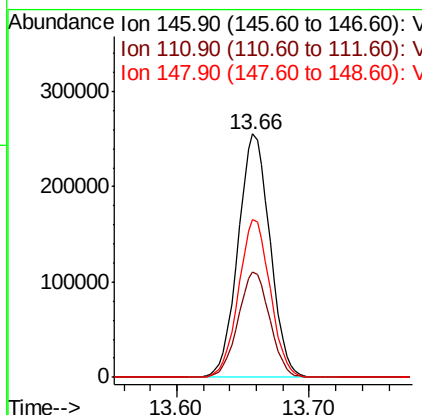
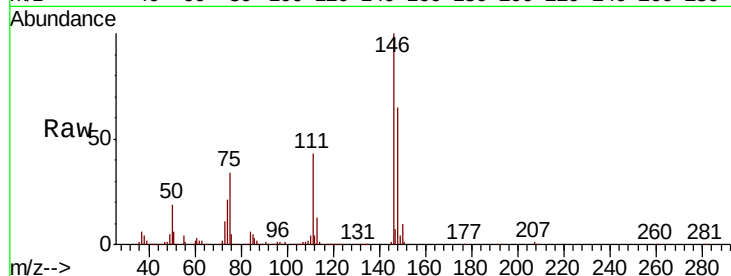
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 51.820 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

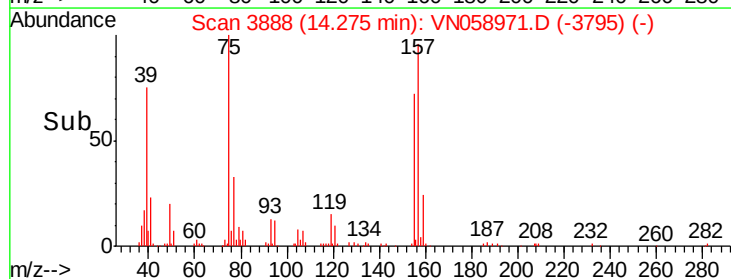
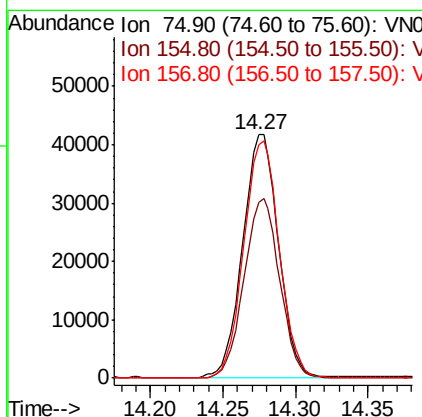
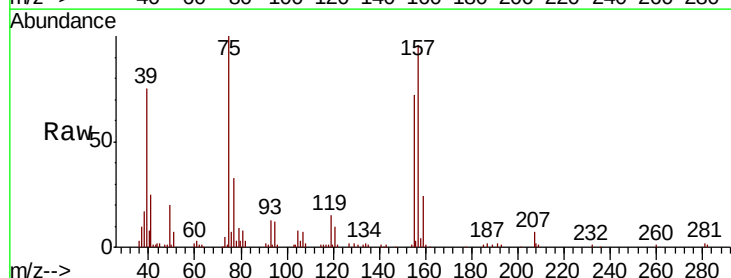
Instrument :
 MSVOA_N
 ClientSampleId :

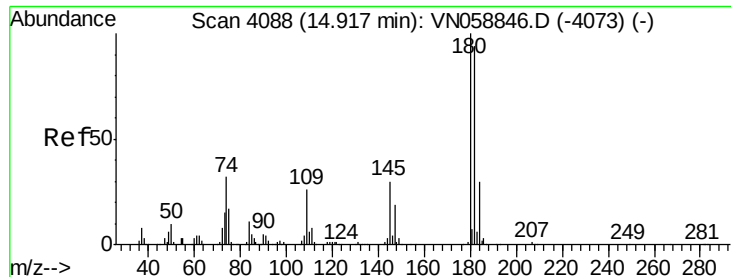
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	64.3	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.672 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	35.6	106.8
157	96.2	47.4	142.2

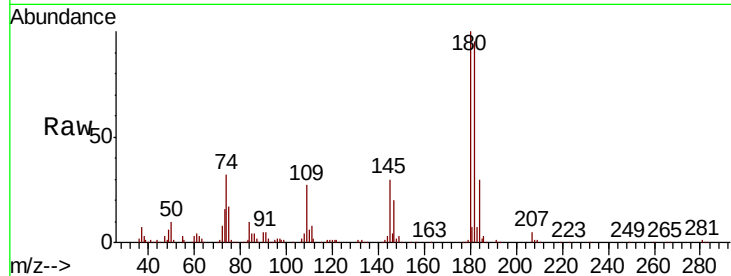




#93
 1,2,4-Trichlorobenzene
 Concen: 48.167 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	30.8	15.3	45.8

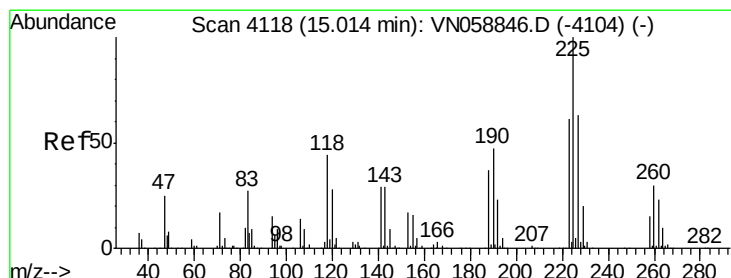
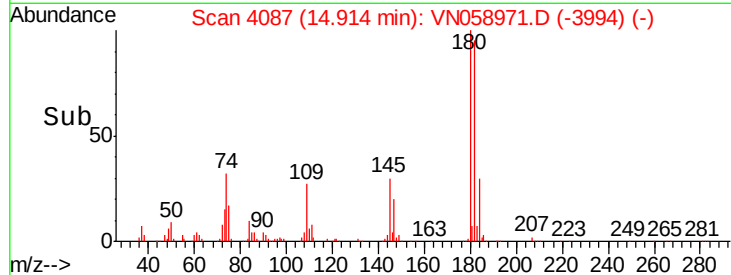
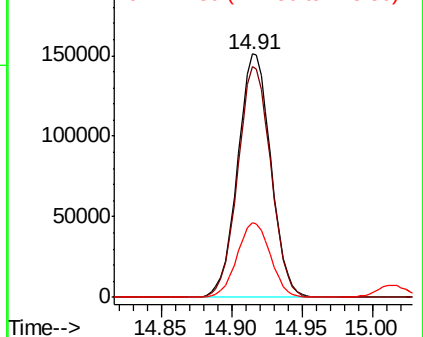


Abundance

Ion 179.80 (179.50 to 180.50): V

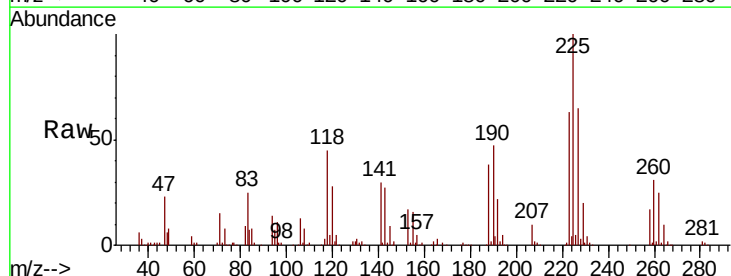
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.927 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058971.D
 Acq: 24 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.9	92.5
227	63.4	31.6	94.7

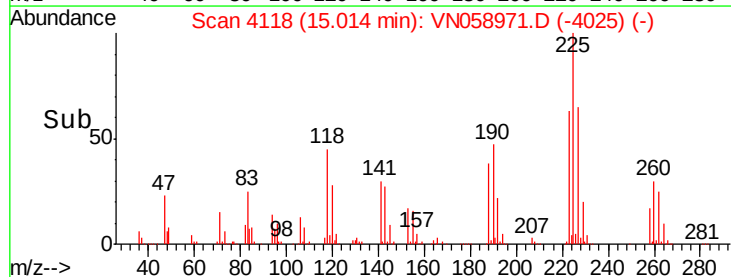
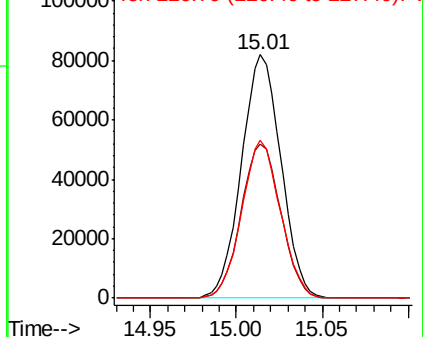


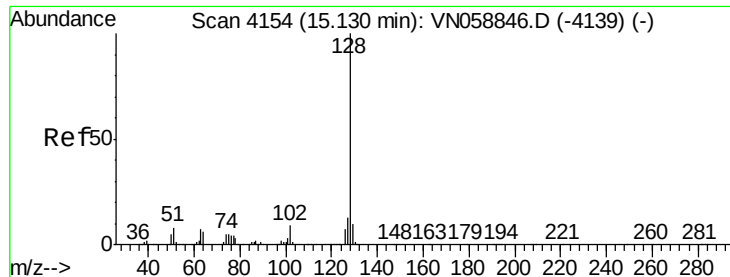
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

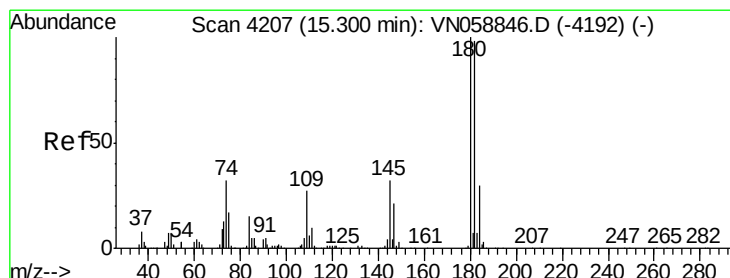
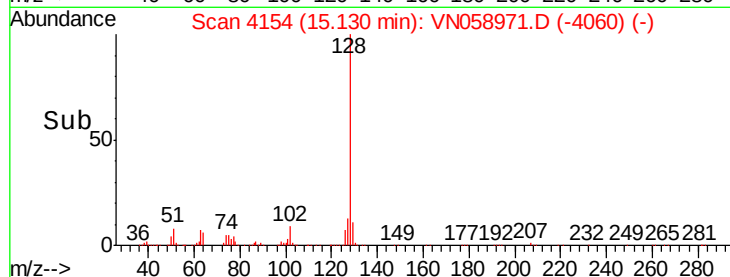
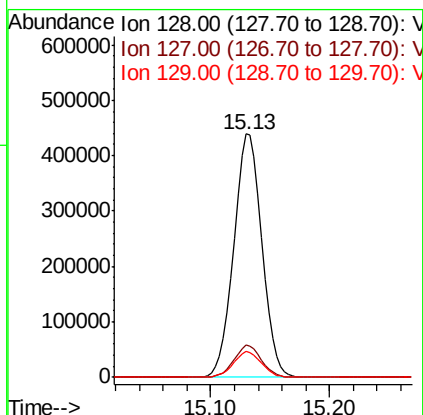
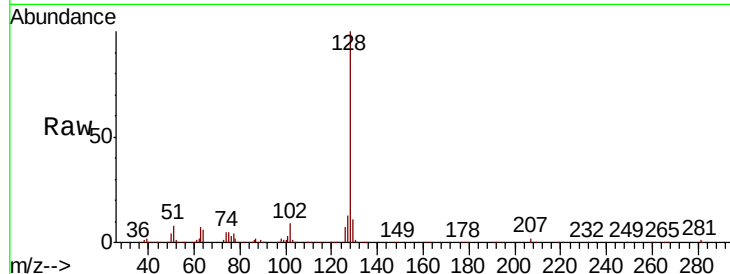




#95
Naphthalene
Concen: 48.357 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 718983
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 48.927 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058971.D
Acq: 24 Oct 2019 18:52

Tgt Ion:180 Resp: 246525
Ion Ratio Lower Upper
180 100
182 95.0 47.9 143.7
145 31.6 15.9 47.7

