

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021120\
 Data File : VN060064.D
 Acq On : 11 Feb 2020 16:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 12 04:23:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	174221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	275151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133609	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	106097	54.84	ug/l	0.00
Spiked Amount			Recovery	=	109.68%	
35) Dibromofluoromethane	7.56	113	87424	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
50) Toluene-d8	10.08	98	324921	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	127295	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	79033	38.355	ug/l	99
3) Chloromethane	2.04	50	81058	40.639	ug/l	100
4) Vinyl Chloride	2.17	62	106720	46.763	ug/l	98
5) Bromomethane	2.54	94	70522	50.635	ug/l	100
6) Chloroethane	2.68	64	52010	48.171	ug/l	98
7) Trichlorofluoromethane	3.00	101	131374	47.934	ug/l	99
8) Diethyl Ether	3.38	74	48920	50.860	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78639	51.553	ug/l	94
10) Methyl Iodide	3.93	142	102128	41.420	ug/l	95
11) Tert butyl alcohol	4.73	59	74998	230.261	ug/l	98
12) 1,1-Dichloroethene	3.72	96	73462	46.088	ug/l	90
13) Acrolein	3.57	56	71267	309.102	ug/l	98
14) Allyl chloride	4.29	41	107224	49.908	ug/l #	87
15) Acrylonitrile	4.94	53	197860	266.311	ug/l	100
16) Acetone	3.78	43	168361	255.347	ug/l	97
17) Carbon Disulfide	4.03	76	164315	36.188	ug/l	99
18) Methyl Acetate	4.28	43	122651	54.272	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	278351	53.561	ug/l	94
20) Methylene Chloride	4.52	84	87695	50.101	ug/l	90
21) trans-1,2-Dichloroethene	5.00	96	79397	46.860	ug/l	91
22) Diisopropyl ether	5.91	45	270911	55.643	ug/l	96
23) Vinyl Acetate	5.86	43	966410	256.369	ug/l	95
24) 1,1-Dichloroethane	5.82	63	156617	52.646	ug/l	97
25) 2-Butanone	6.80	43	257054	234.614	ug/l	94
26) 2,2-Dichloropropane	6.79	77	145138	50.747	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	102304	52.496	ug/l	89
28) Bromochloromethane	7.17	49	64773	54.475	ug/l #	82
29) Tetrahydrofuran	7.18	42	171077	252.364	ug/l	90
30) Chloroform	7.34	83	171822	55.743	ug/l	100
31) Cyclohexane	7.63	56	123144	43.018	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	151152	53.036	ug/l	96
36) 1,1-Dichloropropene	7.77	75	117103	48.872	ug/l	96
37) Ethyl Acetate	6.89	43	108837	48.429	ug/l	97
38) Carbon Tetrachloride	7.75	117	131879	50.597	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	135514	45.867	ug/l	93
40) Benzene	8.02	78	354119	49.554	ug/l	98
41) Methacrylonitrile	7.18	41	161716	146.092	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	131812	54.403	ug/l	96
43) Isopropyl Acetate	8.14	43	195749	50.640	ug/l #	95
44) Trichloroethene	8.82	130	98457	50.470	ug/l	98
45) 1,2-Dichloropropane	9.10	63	97133	54.930	ug/l	99
46) Dibromomethane	9.19	93	66357	53.197	ug/l	93
47) Bromodichloromethane	9.38	83	141616	56.338	ug/l	99
48) Methyl methacrylate	9.18	41	86029	49.755	ug/l	91
49) 1,4-Dioxane	9.18	88	31456	993.791	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	572246	256.091	ug/l	95
52) Toluene	10.14	92	233547	51.741	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	155544	55.419	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	162266	54.946	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	98277	54.973	ug/l	98
56) Ethyl methacrylate	10.42	69	141625	51.846	ug/l	93
57) 1,3-Dichloropropane	10.70	76	157191	55.383	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	248408	301.912	ug/l	92
59) 2-Hexanone	10.74	43	416209	252.831	ug/l	95
60) Dibromochloromethane	10.89	129	115595	56.781	ug/l	99
61) 1,2-Dibromoethane	10.99	107	100482	53.626	ug/l	99
64) Tetrachloroethene	10.62	164	103037	48.879	ug/l	97
65) Chlorobenzene	11.43	112	262802	51.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	106730	54.333	ug/l	99
67) Ethyl Benzene	11.50	91	471261	51.064	ug/l	98
68) m/p-Xylenes	11.62	106	349036	100.123	ug/l	96
69) o-Xylene	11.94	106	172150	50.441	ug/l	96
70) Styrene	11.96	104	290498	50.867	ug/l	97
71) Bromoform	12.12	173	87014	55.300	ug/l #	98
73) Isopropylbenzene	12.25	105	477315	48.712	ug/l	100
74) N-amyl acetate	12.07	43	179746	47.274	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	144951	51.027	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	187462	83.372	ug/l #	100
77) Bromobenzene	12.52	156	120559	48.584	ug/l	85
78) n-propylbenzene	12.59	91	541811	49.264	ug/l	98
79) 2-Chlorotoluene	12.67	91	318522	48.683	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	403197	48.927	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	51523	49.209	ug/l	96
82) 4-Chlorotoluene	12.77	91	332670	50.692	ug/l	97
83) tert-Butylbenzene	12.99	119	354424	49.728	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	406949	49.916	ug/l	99
85) sec-Butylbenzene	13.17	105	475373	50.765	ug/l	100
86) p-Isopropyltoluene	13.29	119	434859	50.188	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	219207	50.856	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	216930	50.448	ug/l	98
89) n-Butylbenzene	13.61	91	390521	52.860	ug/l	99
90) Hexachloroethane	13.87	117	82029	50.600	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	214339	50.299	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29206	47.809	ug/l	88

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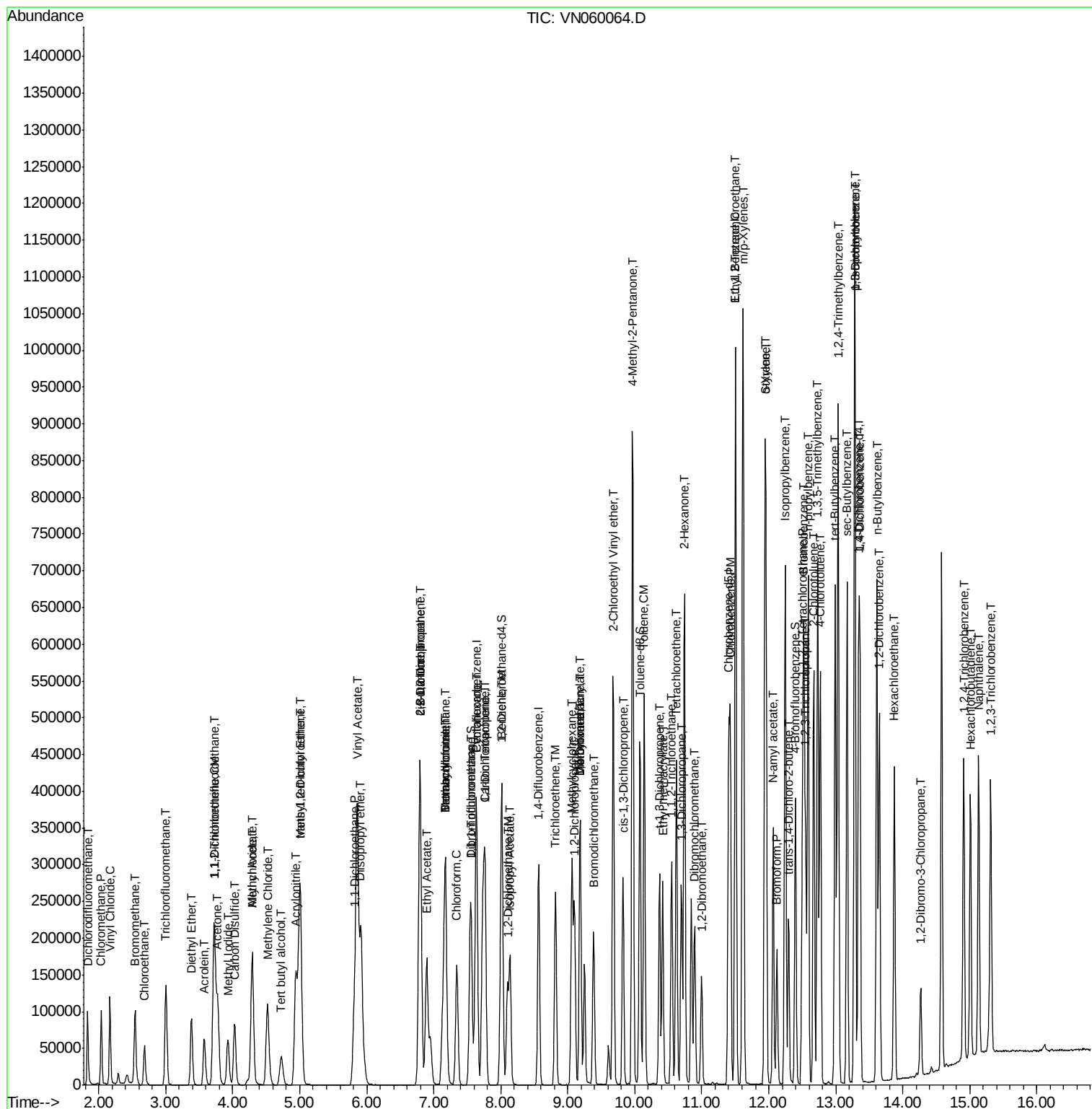
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132927	51.914	ug/l	97
94) Hexachlorobutadiene	15.01	225	70945	50.279	ug/l	98
95) Naphthalene	15.13	128	351726	48.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127959	51.341	ug/l	99

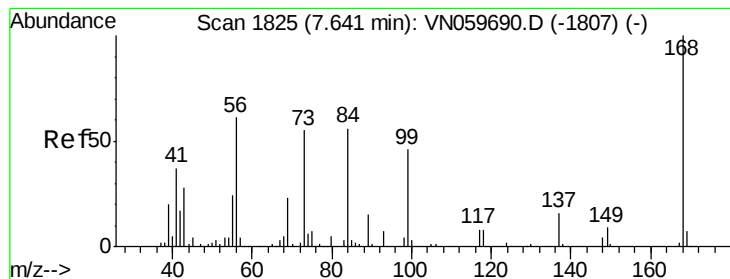
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

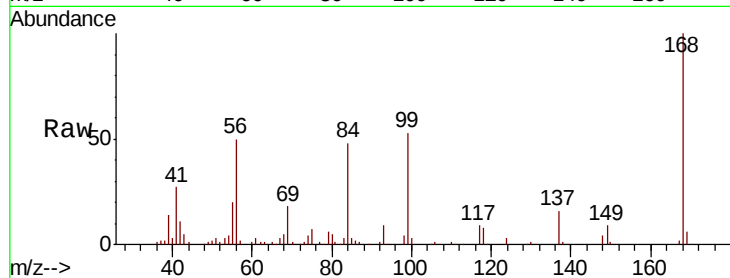
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 174221

Ion Ratio Lower Upper

168 100

99 53.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

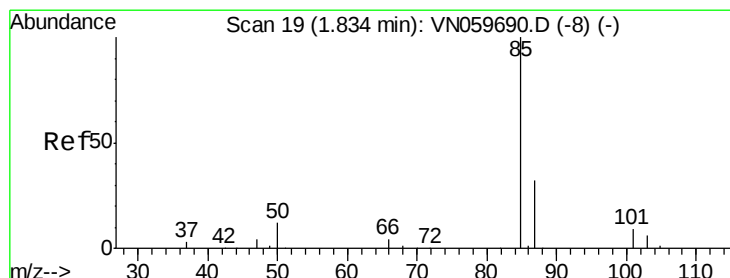
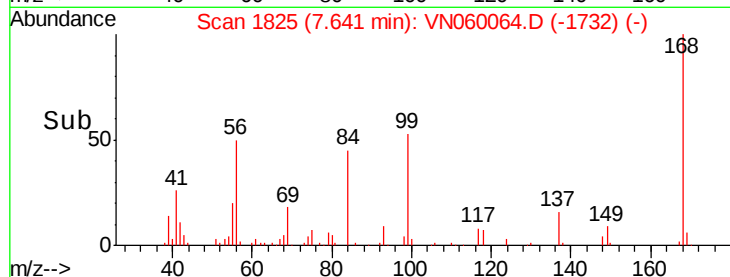
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 38.355 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060064.D

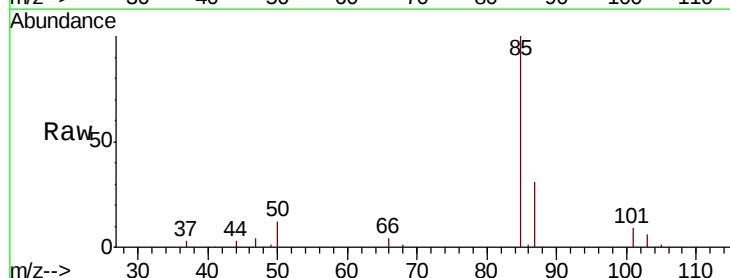
Acq: 11 Feb 2020 16:04

Tgt Ion: 85 Resp: 79033

Ion Ratio Lower Upper

85 100

87 31.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

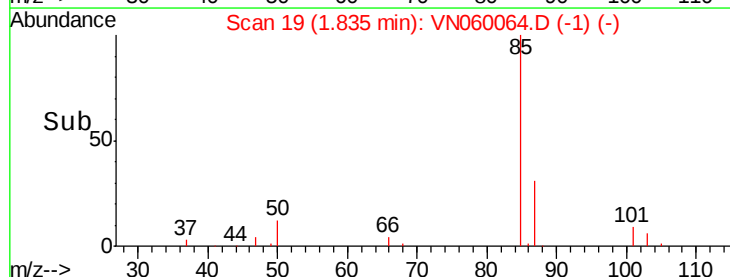
40000

20000

0

1.75 1.80 1.85 1.90

Time-->

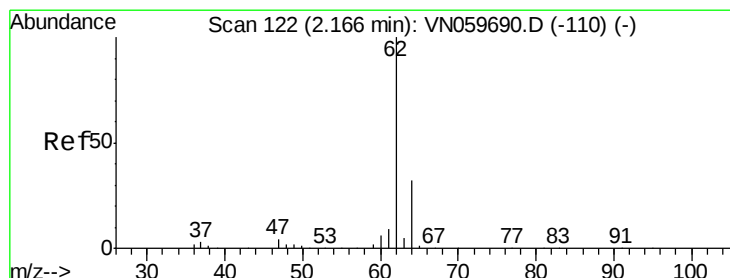
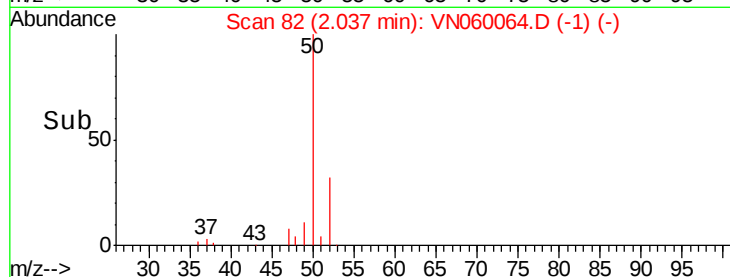
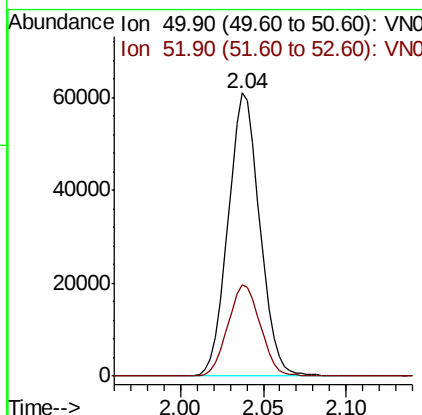
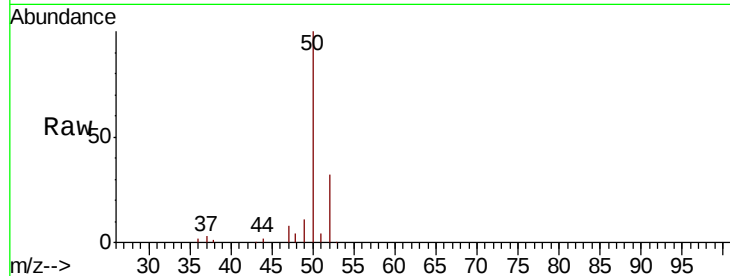




#3
Chloromethane
Concen: 40.639 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

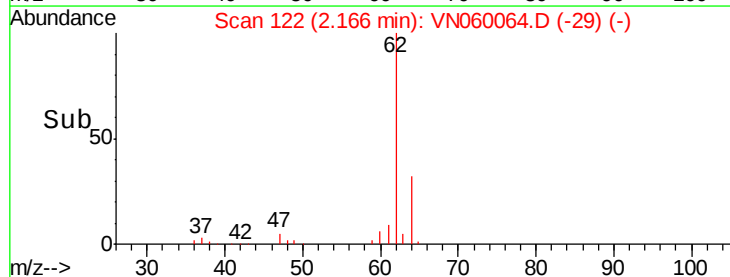
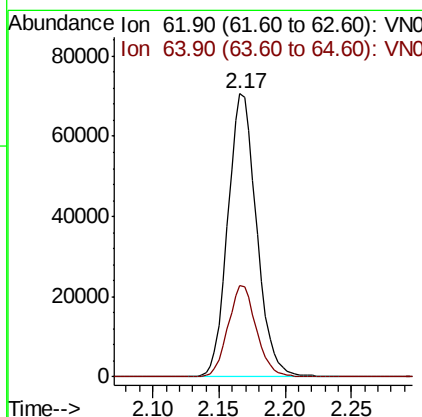
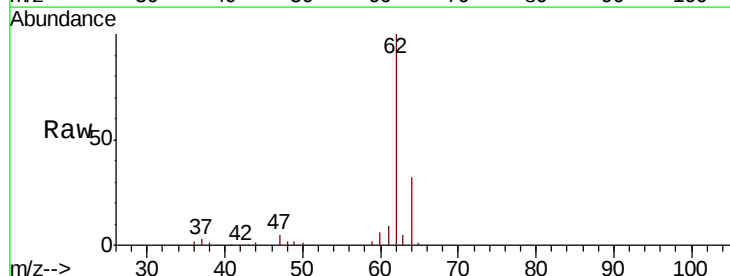
Instrument :
MSVOA_N
ClientSampleId :

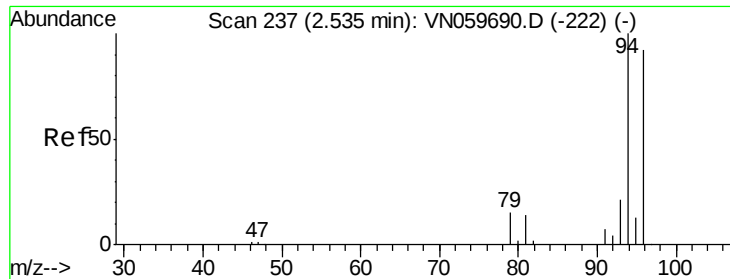
Tot Ion: 50 Resp: 81058
Ion Ratio Lower Upper
50 100
52 32.3 25.9 38.9



#4
Vinyl Chloride
Concen: 46.763 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 62 Resp: 106720
Ion Ratio Lower Upper
62 100
64 32.1 24.6 37.0





#5

Bromomethane

Concen: 50.635 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

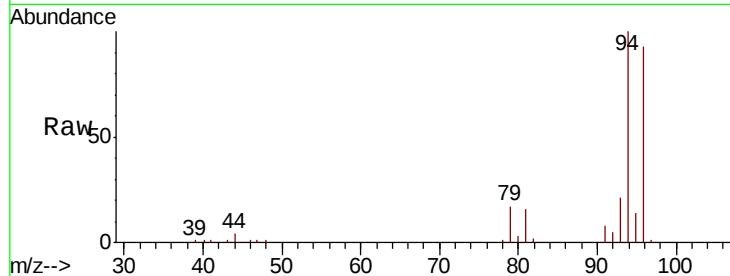
ClientSampleId :

Tot Ion: 94 Resp: 70522

Ion Ratio Lower Upper

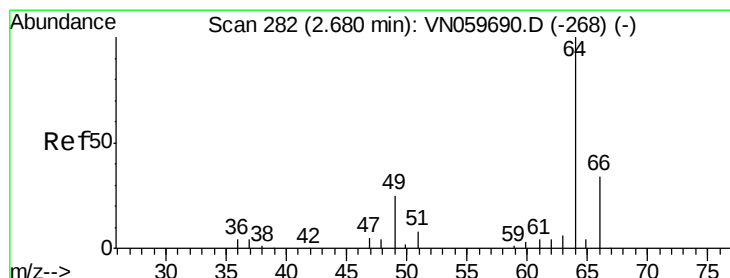
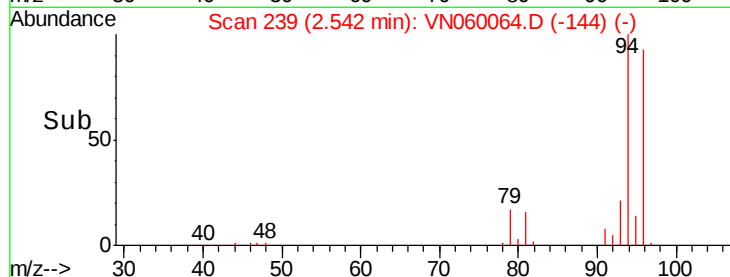
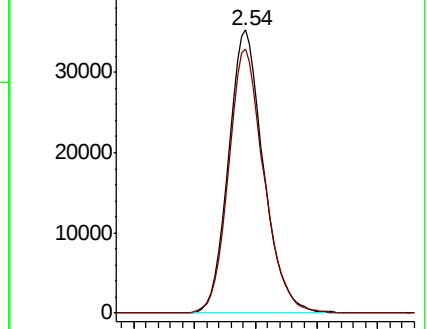
94 100

96 93.5 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.171 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060064.D

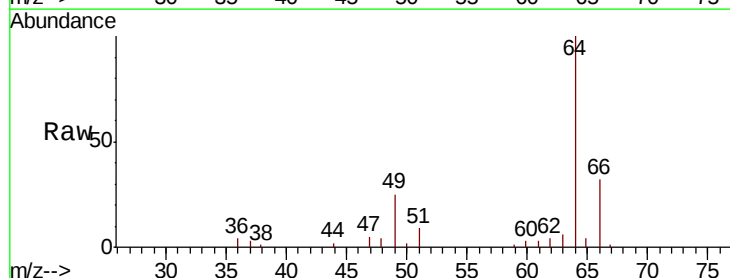
Acq: 11 Feb 2020 16:04

Tgt Ion: 64 Resp: 52010

Ion Ratio Lower Upper

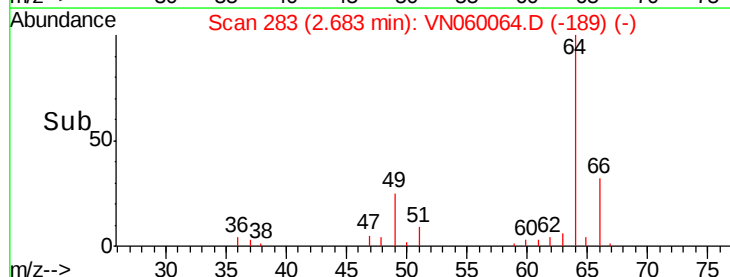
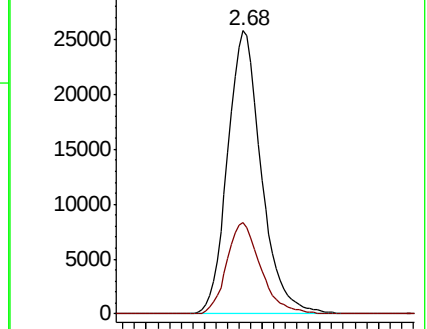
64 100

66 32.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



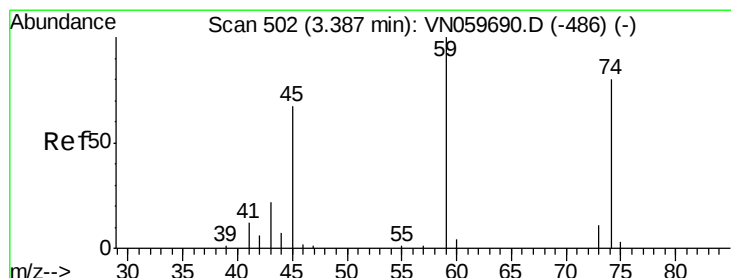
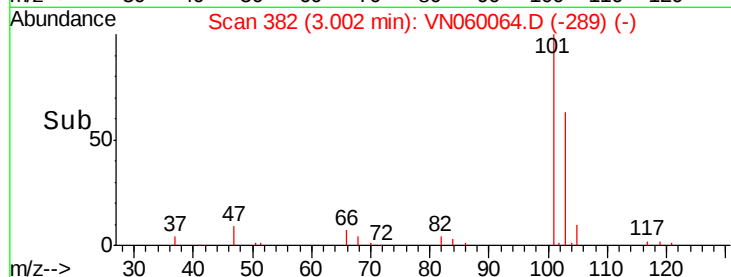
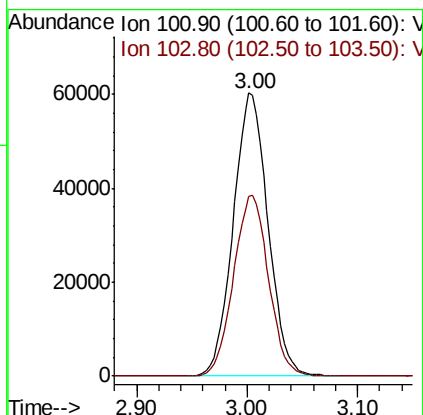
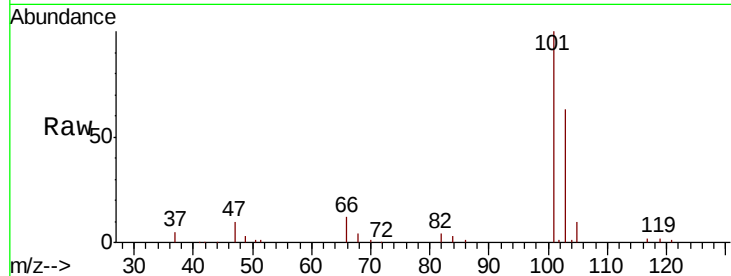


#7

Trichlorofluoromethane
Concen: 47.934 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Instrument :
MSVOA_N
ClientSampled :

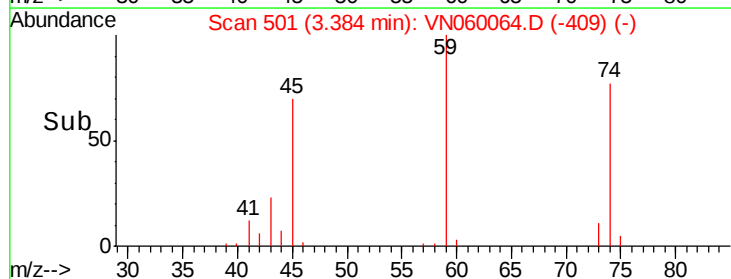
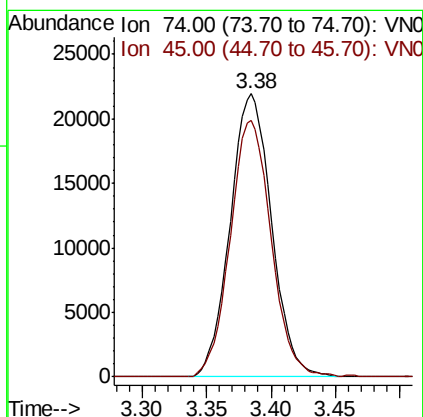
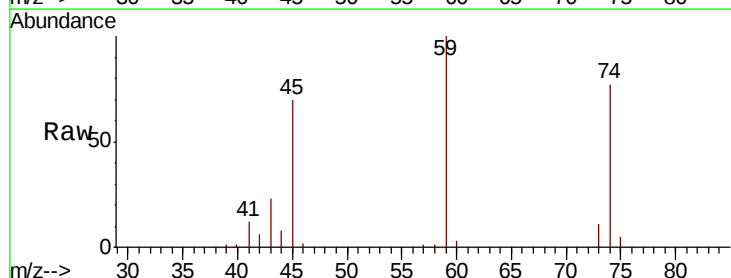
Tot Ion:101 Resp: 131374
Ion Ratio Lower Upper
101 100
103 63.3 51.0 76.6



#8

Diethyl Ether
Concen: 50.860 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 74 Resp: 48920
Ion Ratio Lower Upper
74 100
45 89.6 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.553 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

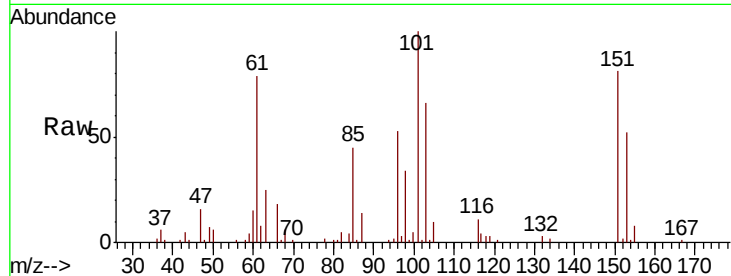
Tot Ion:101 Resp: 78639

Ion Ratio Lower Upper

101 100

85 44.9 36.6 54.8

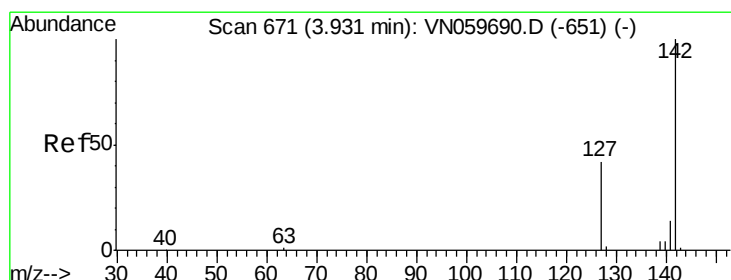
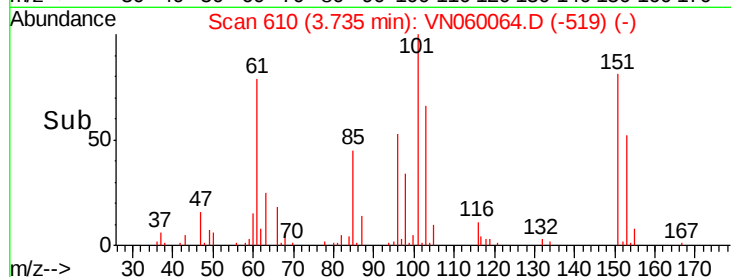
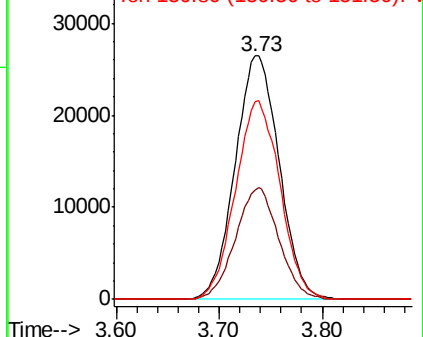
151 82.1 59.7 89.5



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: 41.420 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

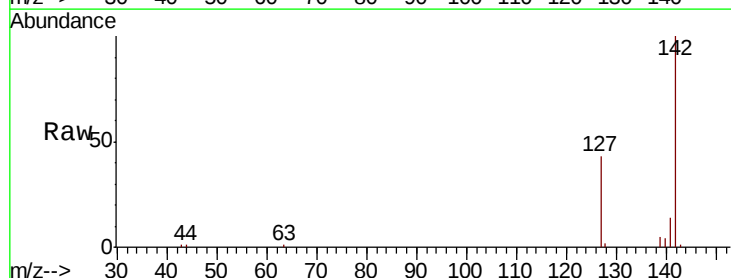
Tgt Ion:142 Resp: 102128

Ion Ratio Lower Upper

142 100

127 42.1 36.7 55.1

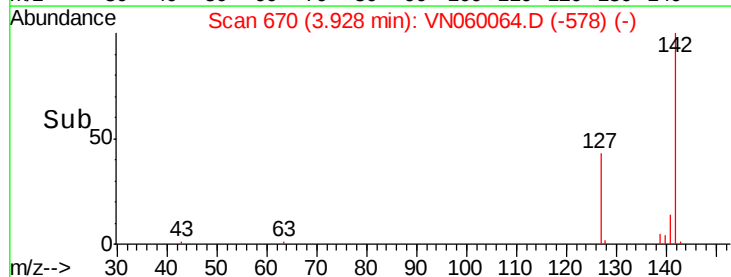
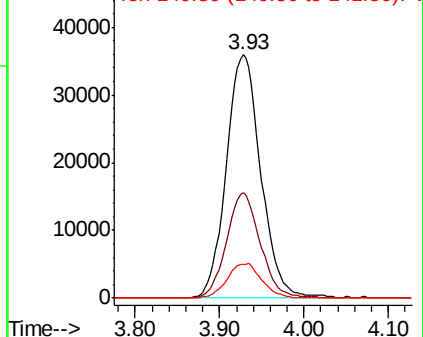
141 14.1 11.7 17.5

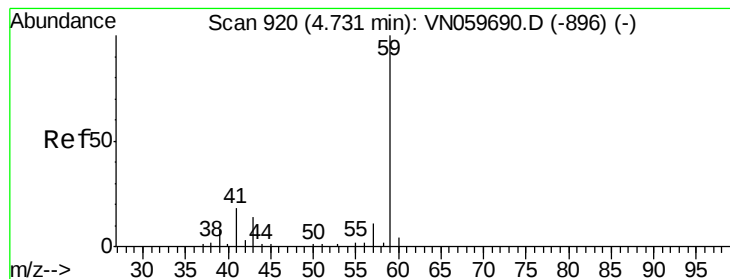


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



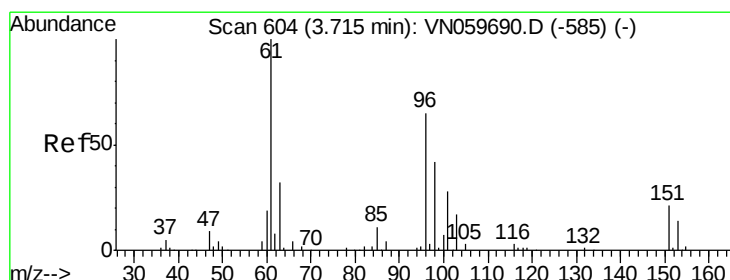
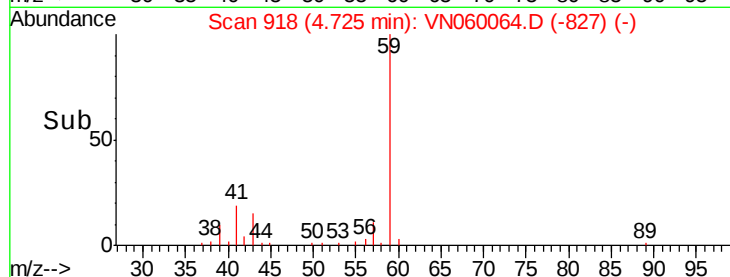
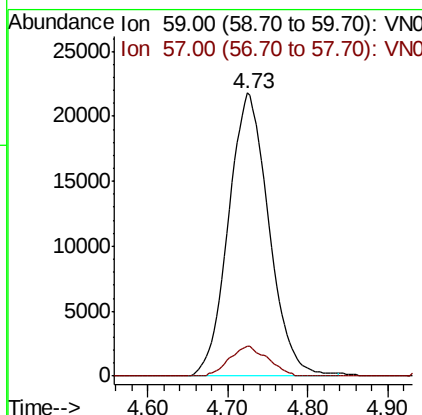
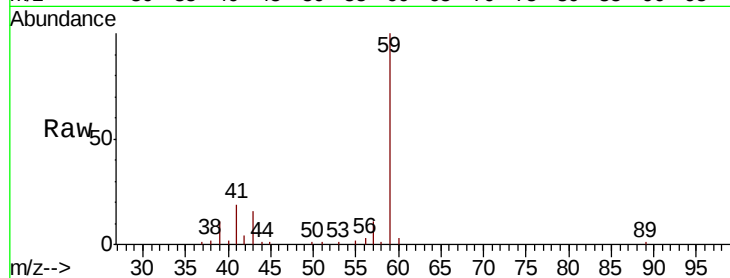


#11

Tert butyl alcohol
 Concen: 230.261 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Instrument :
 MSVOA_N
 ClientSampleId :

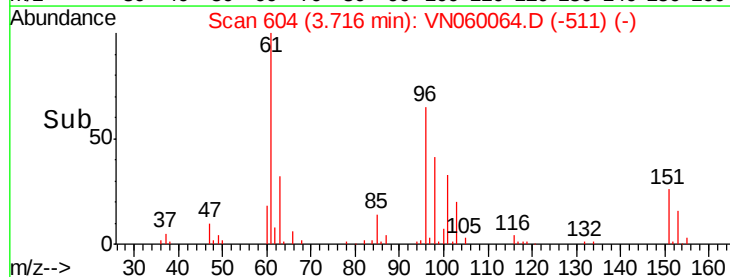
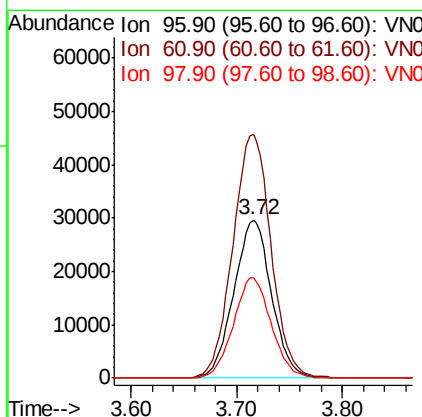
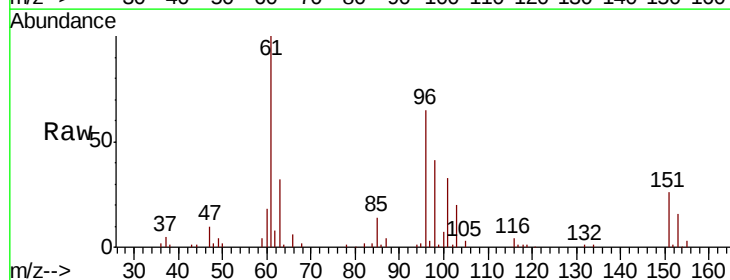
Tot Ion: 59 Resp: 74998
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.6 12.8



#12

1,1-Dichloroethene
 Concen: 46.088 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Tgt Ion: 96 Resp: 73462
 Ion Ratio Lower Upper
 96 100
 61 153.9 137.5 206.3
 98 63.6 50.2 75.4





#13

Acrolein

Concen: 309.102 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

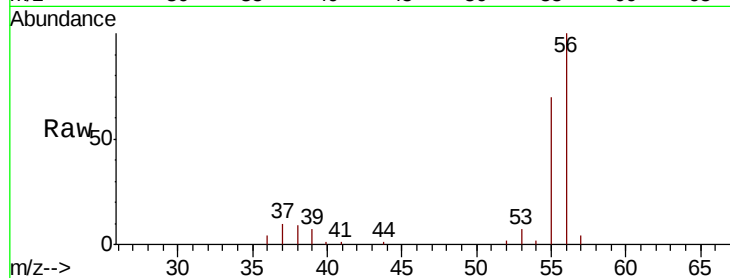
ClientSampleId :

Tot Ion: 56 Resp: 71267

Ion Ratio Lower Upper

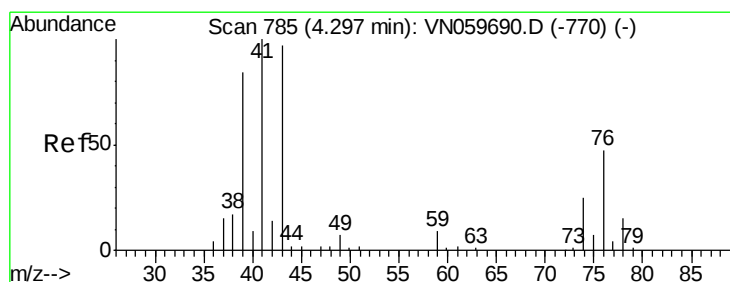
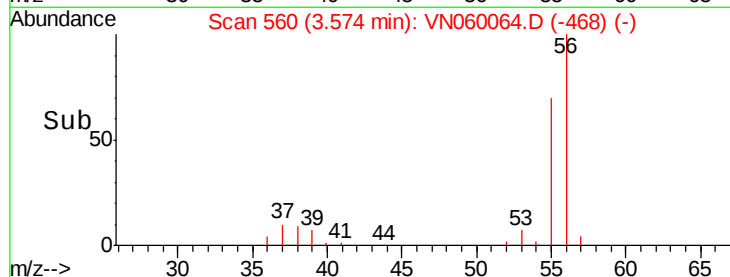
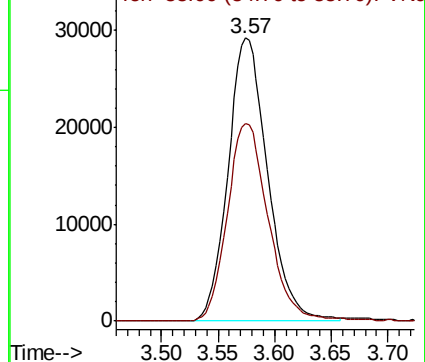
56 100

55 71.8 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.908 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

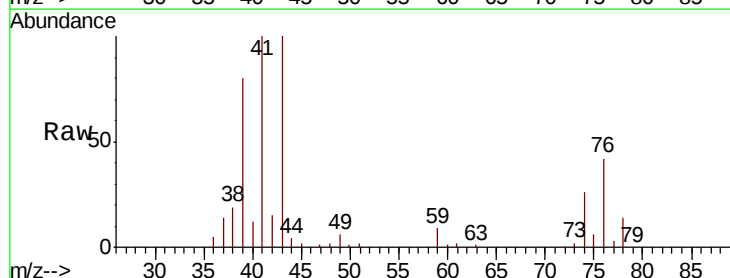
Tgt Ion: 41 Resp: 107224

Ion Ratio Lower Upper

41 100

39 81.0 57.8 86.8

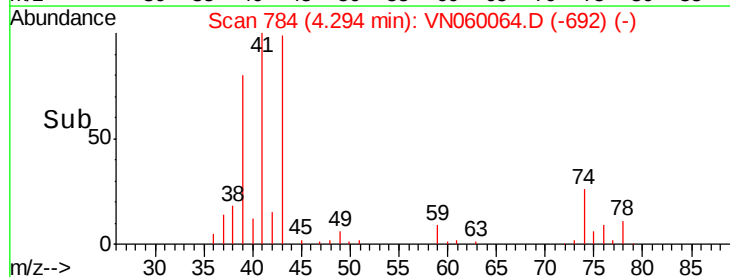
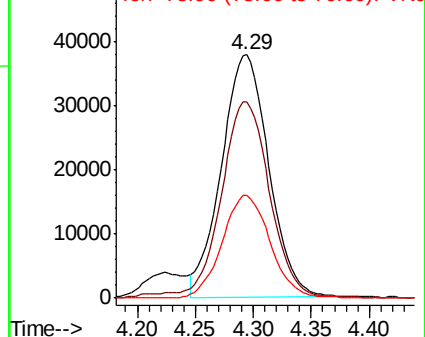
76 42.9 25.4 38.0#



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: 266.311 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :
MSVOA_N
ClientSampleId :

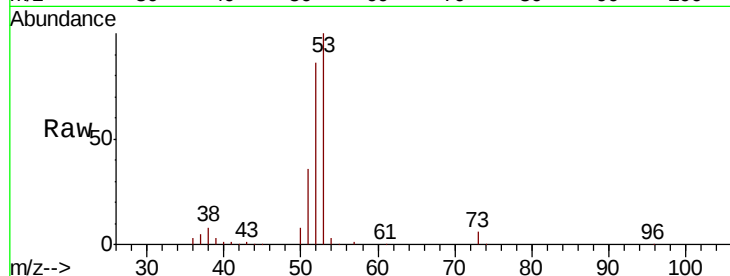
Tot Ion: 53 Resp: 197860

Ion Ratio Lower Upper

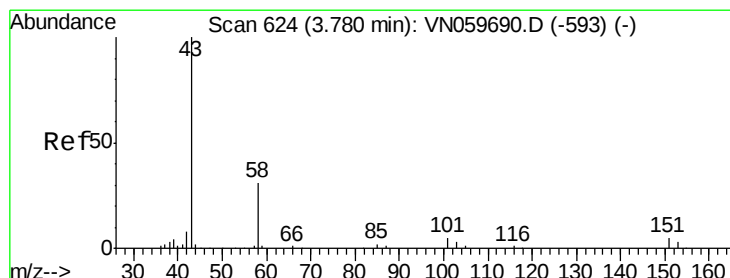
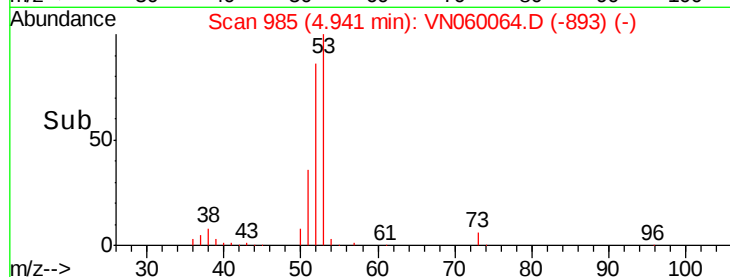
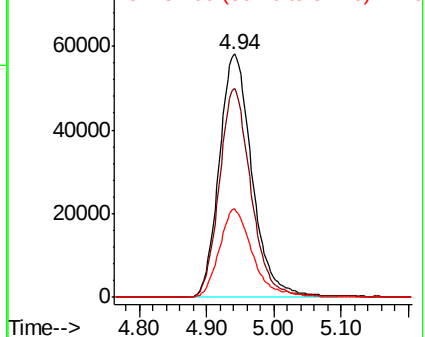
53 100

52 82.6 66.3 99.5

51 36.8 29.7 44.5



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: 255.347 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060064.D

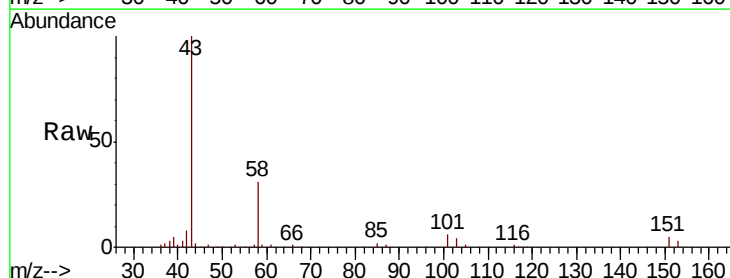
Acq: 11 Feb 2020 16:04

Tgt Ion: 43 Resp: 168361

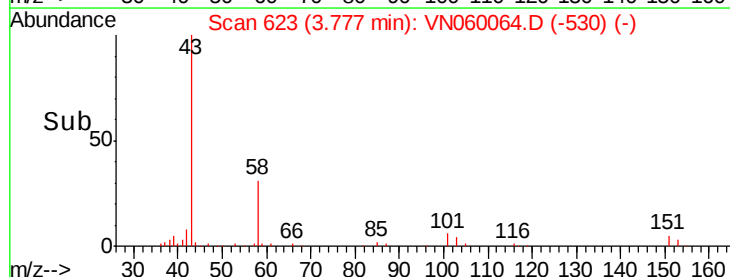
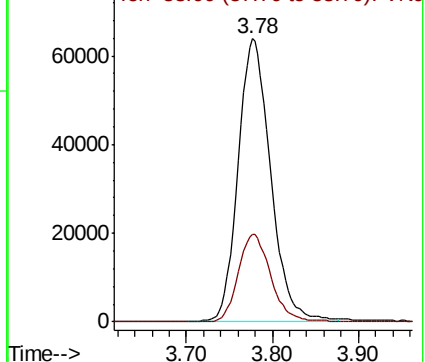
Ion Ratio Lower Upper

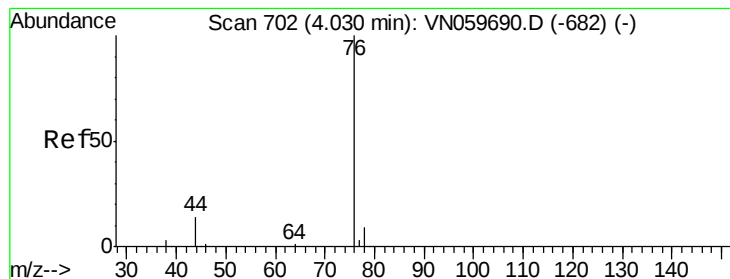
43 100

58 31.1 23.6 35.4



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





#17

Carbon Disulfide

Concen: 36.188 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

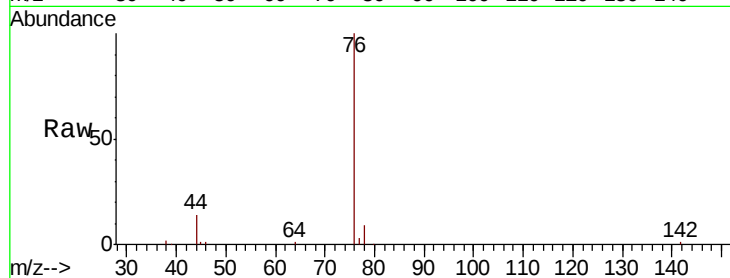
ClientSampleId :

Tot Ion: 76 Resp: 164315

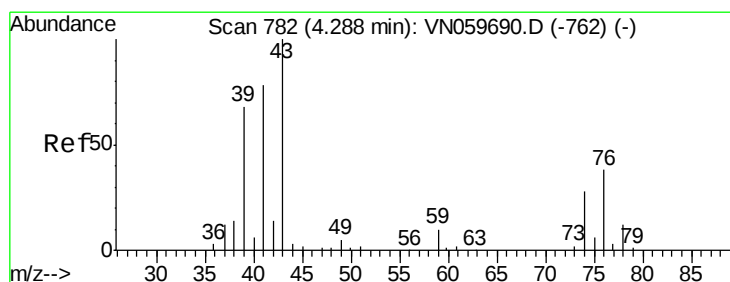
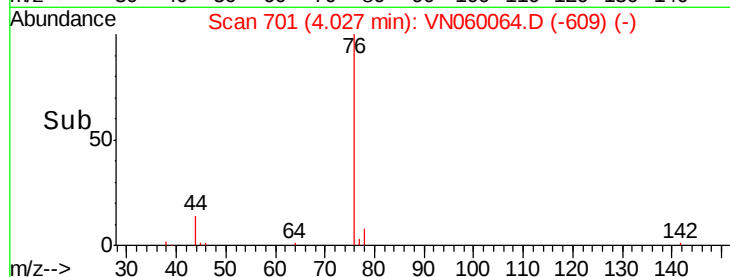
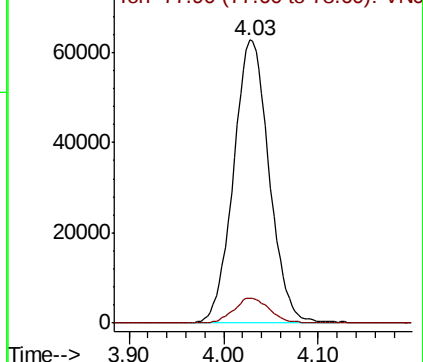
Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 54.272 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060064.D

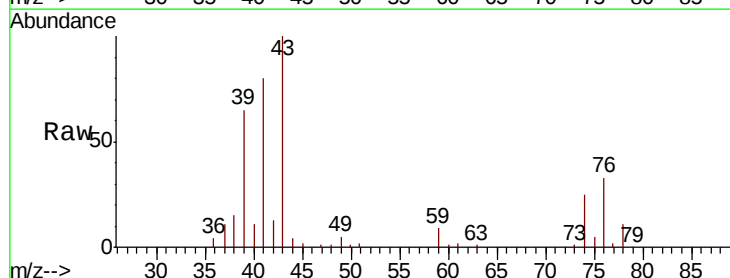
Acq: 11 Feb 2020 16:04

Tgt Ion: 43 Resp: 122651

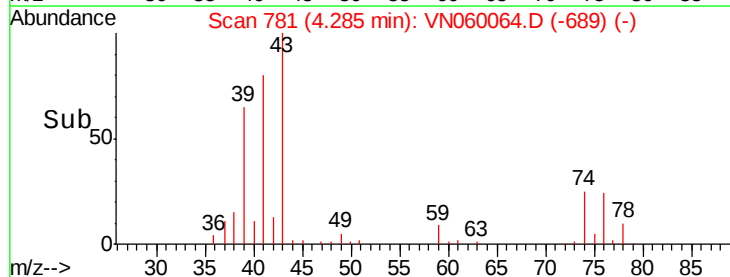
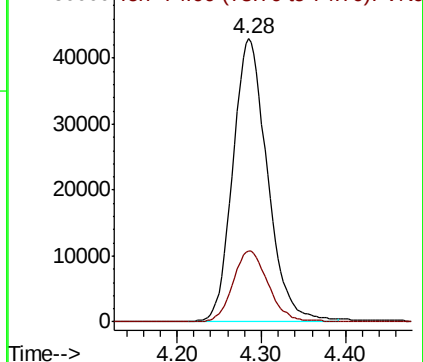
Ion Ratio Lower Upper

43 100

74 25.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

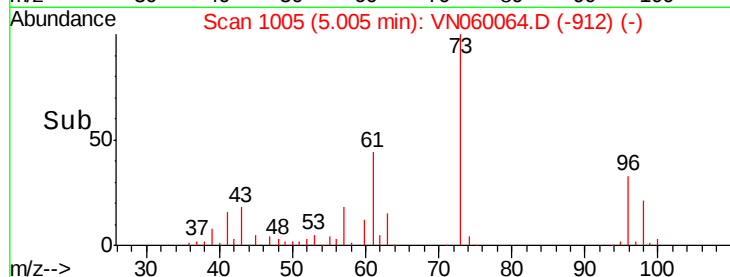
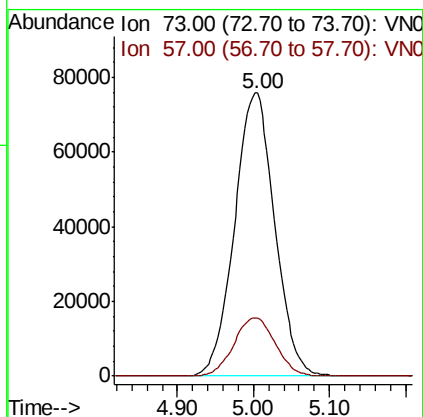
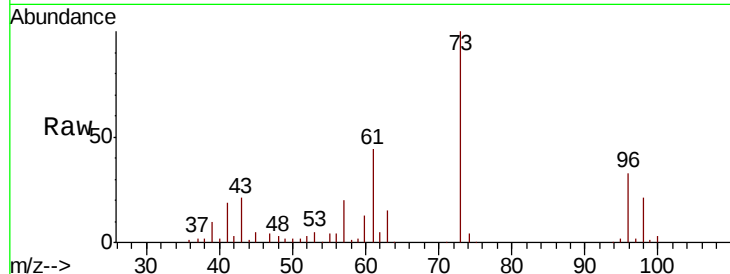




#19
Methvl tert-butvl Ether
Concen: 53.561 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

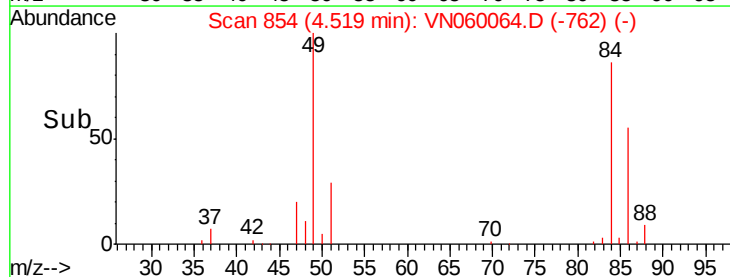
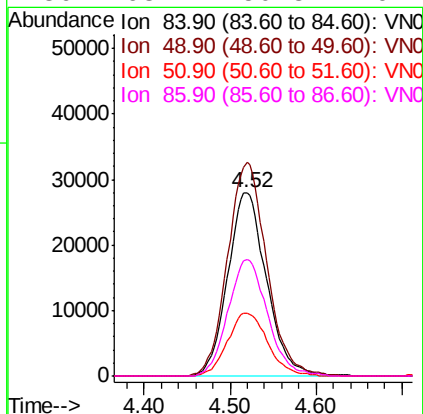
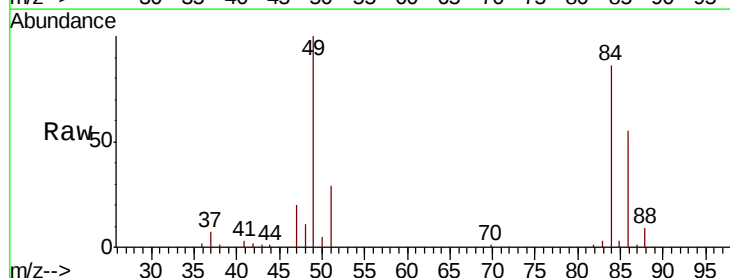
Instrument :
MSVOA_N
ClientSampled :

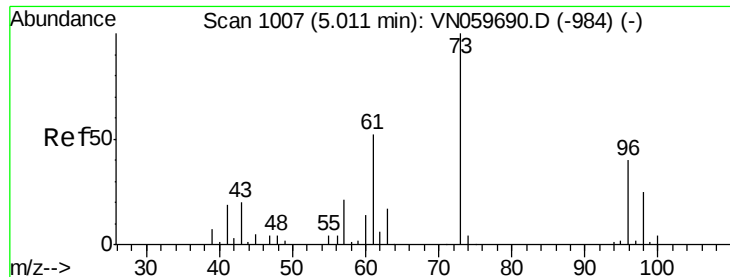
Tot Ion: 73 Resp: 278351
Ion Ratio Lower Upper
73 100
57 20.3 18.6 27.8



#20
Methylene Chloride
Concen: 50.101 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 84 Resp: 87695
Ion Ratio Lower Upper
84 100
49 116.4 106.6 160.0
51 34.1 31.9 47.9
86 63.4 50.8 76.2

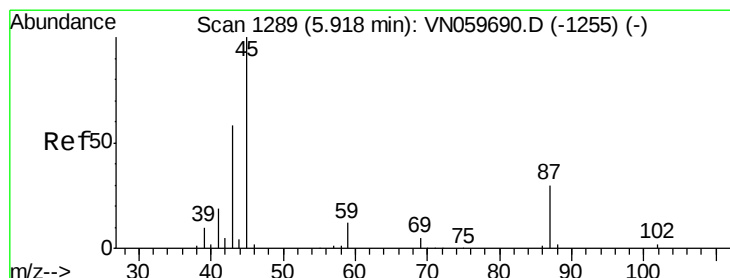
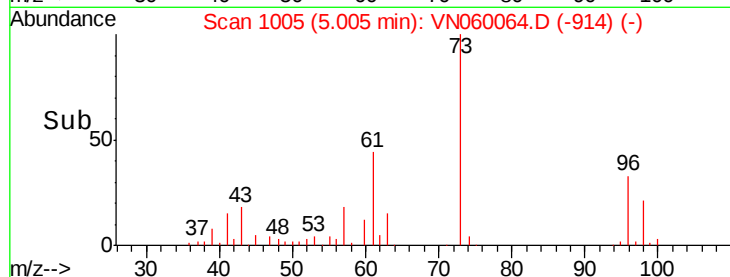
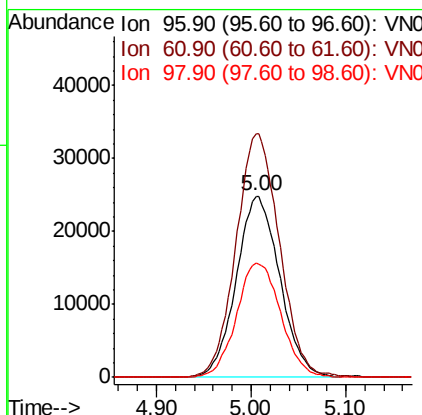
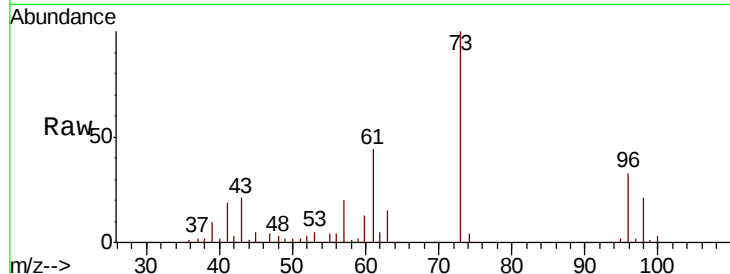




#21
trans-1,2-Dichloroethene
Concen: 46.860 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

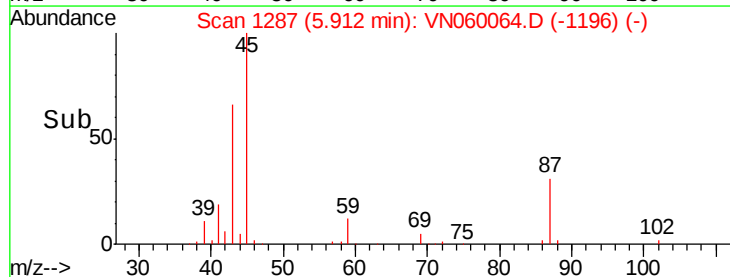
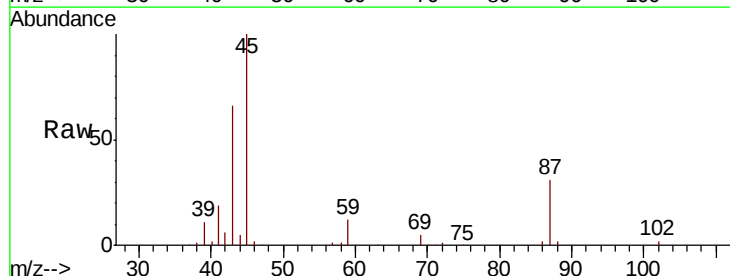
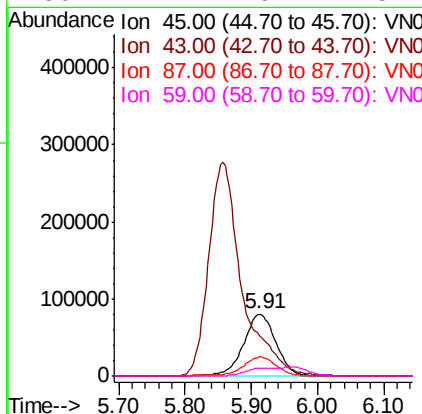
Instrument :
MSVOA_N
ClientSampled :

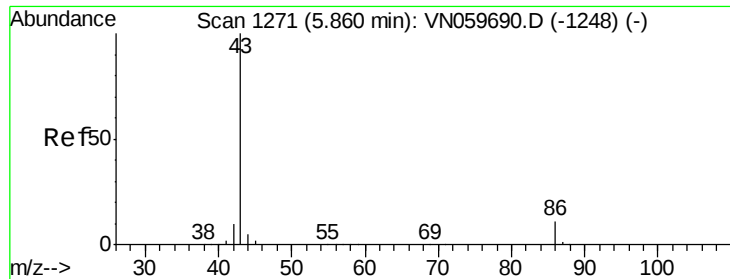
Tot Ion: 96 Resp: 79397
Ion Ratio Lower Upper
96 100
61 134.5 120.4 180.6
98 62.9 50.6 75.8



#22
Diisopropyl ether
Concen: 55.643 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 45 Resp: 270911
Ion Ratio Lower Upper
45 100
43 65.0 50.8 76.2
87 30.5 21.0 31.6
59 12.1 9.1 13.7





#23

Vinyl Acetate

Concen: 256.369 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

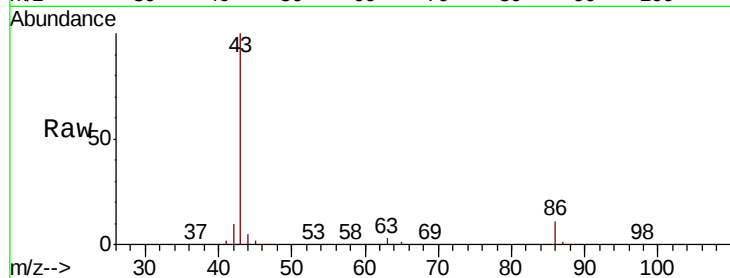
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 966410

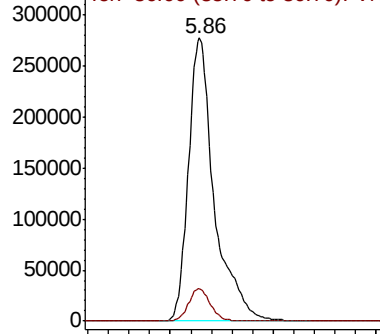
Ion Ratio Lower Upper

43 100

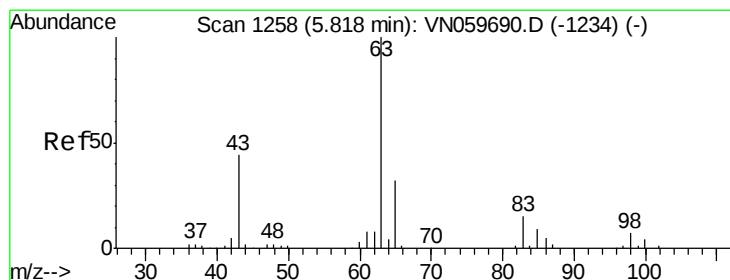
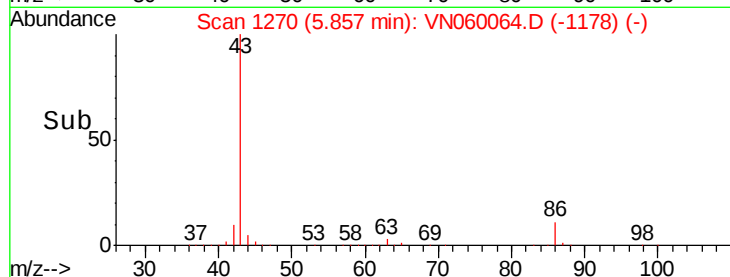
86 11.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 52.646 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

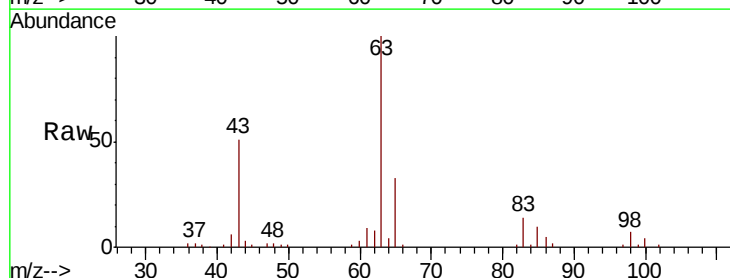
Tgt Ion: 63 Resp: 156617

Ion Ratio Lower Upper

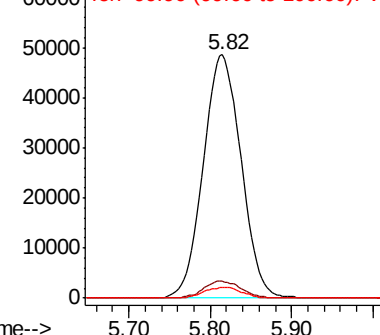
63 100

98 6.9 2.9 8.7

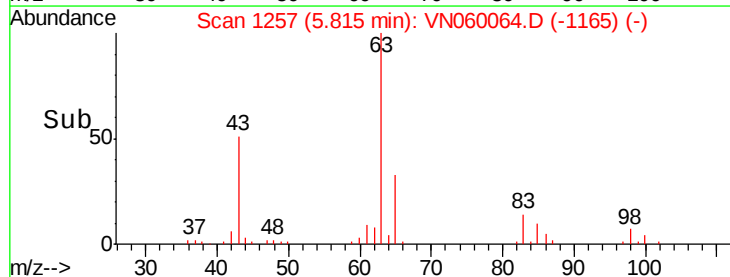
100 4.5 2.0 6.0

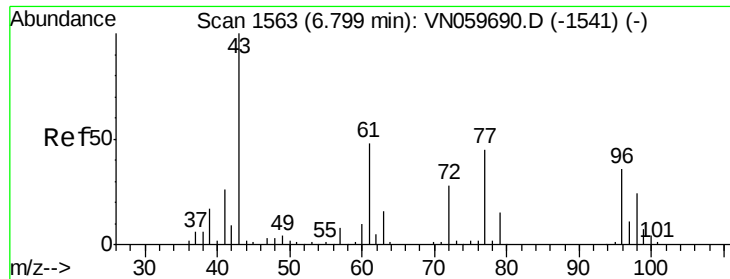


Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 234.614 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

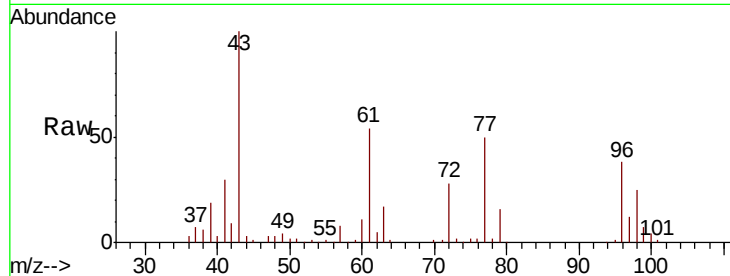
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 257054

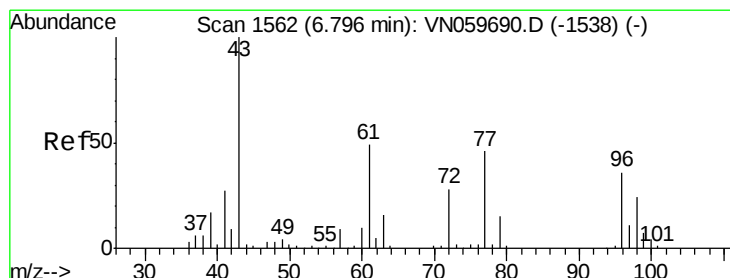
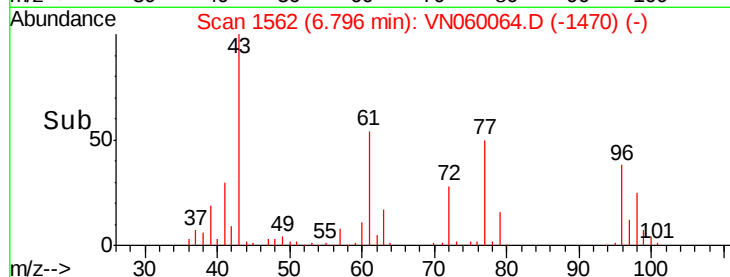
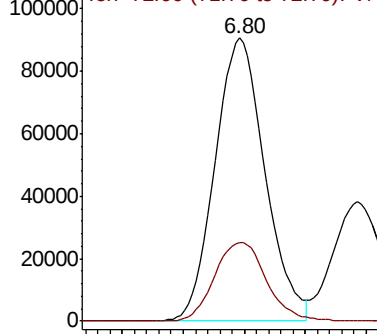
Ion Ratio Lower Upper

43 100

72 27.9 19.9 29.9



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



#26

2,2-Dichloropropane

Concen: 50.747 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060064.D

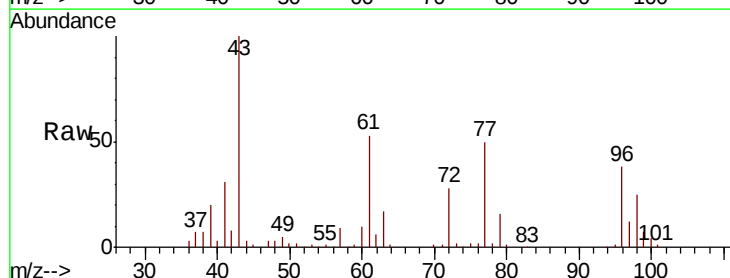
Acq: 11 Feb 2020 16:04

Tgt Ion: 77 Resp: 145138

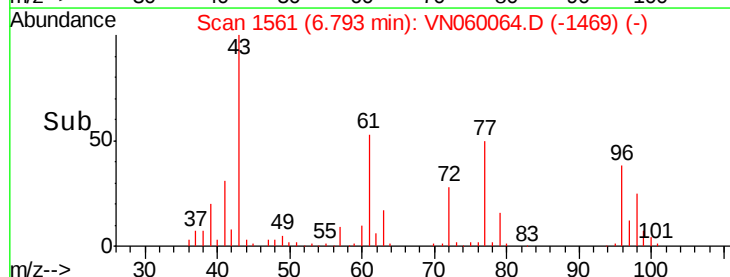
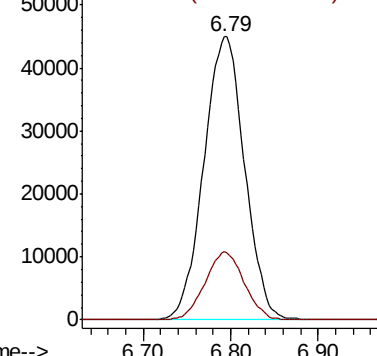
Ion Ratio Lower Upper

77 100

97 23.0 10.7 31.9



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





#27

cis-1,2-Dichloroethene

Concen: 52.496 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :
MSVOA_N
ClientSampled :

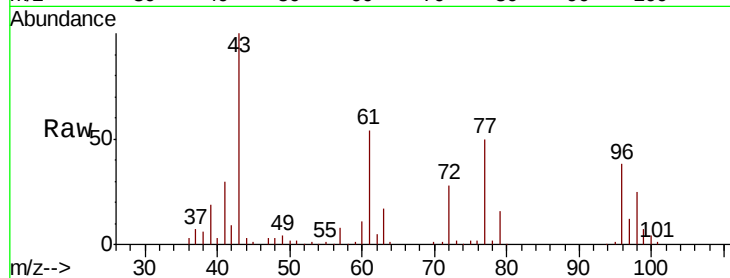
Tot Ion: 96 Resp: 102304

Ion Ratio Lower Upper

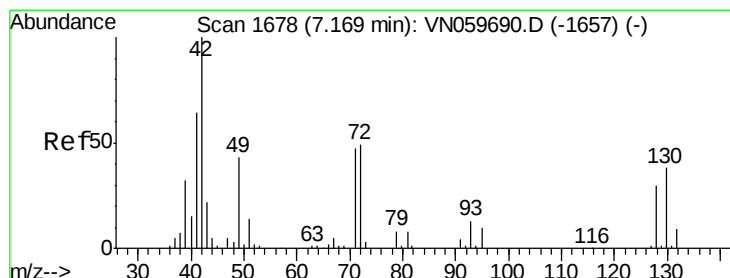
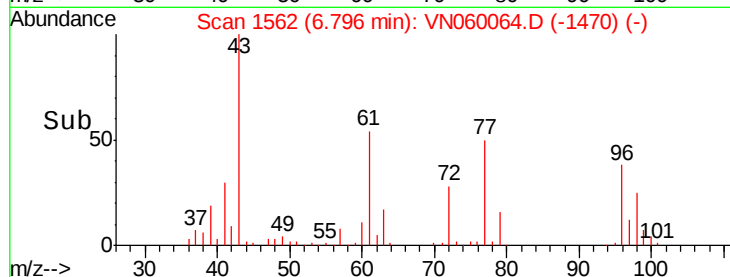
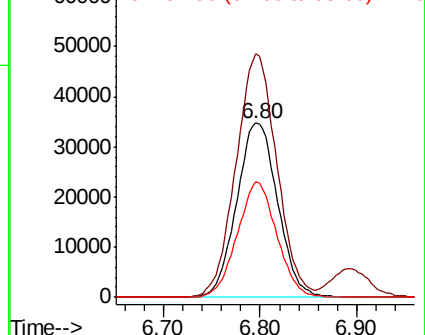
96 100

61 139.2 0.0 317.6

98 63.8 0.0 127.0



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



#28

Bromochloromethane

Concen: 54.475 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

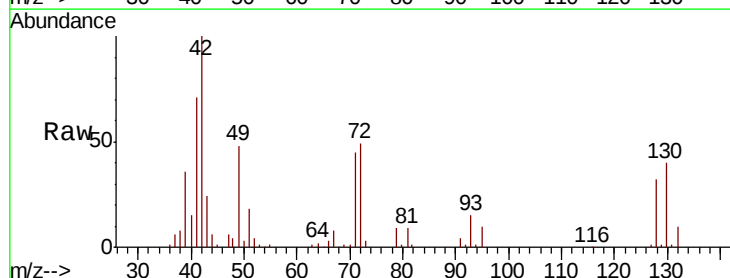
Tgt Ion: 49 Resp: 64773

Ion Ratio Lower Upper

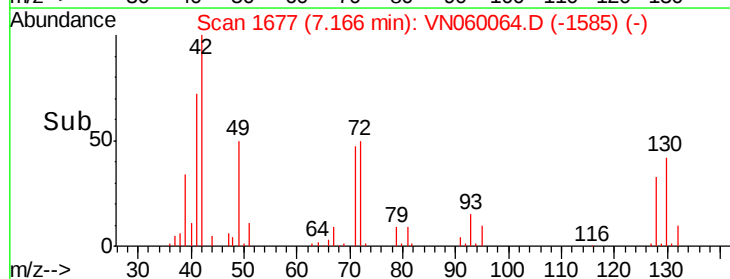
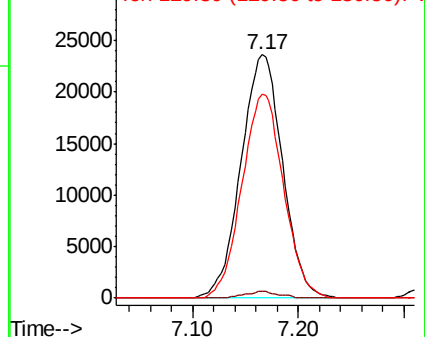
49 100

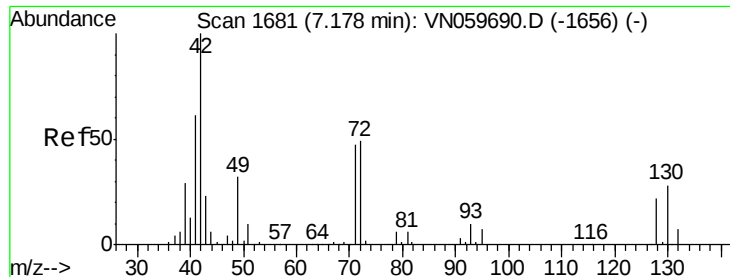
129 2.2 0.0 3.4

130 83.7 54.7 82.1#



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

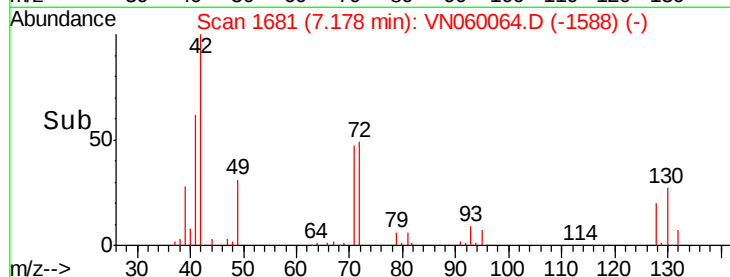
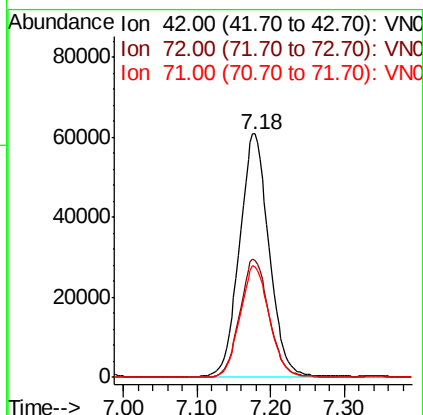
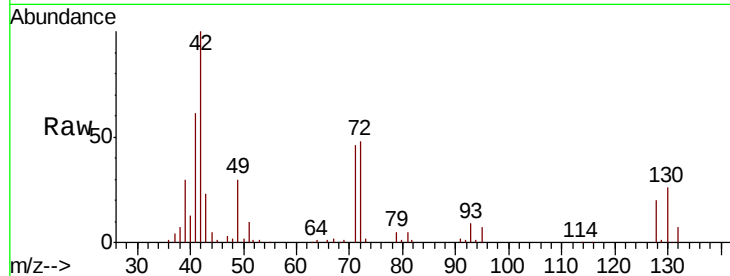




#29
Tetrahydrofuran
Concen: 252.364 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

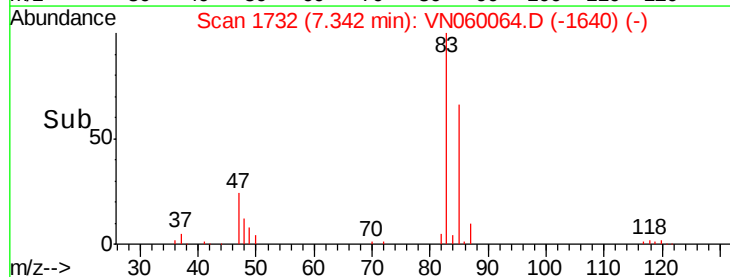
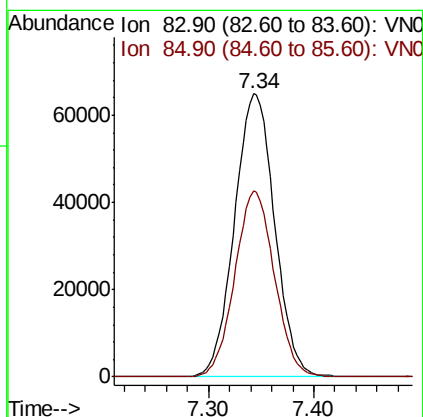
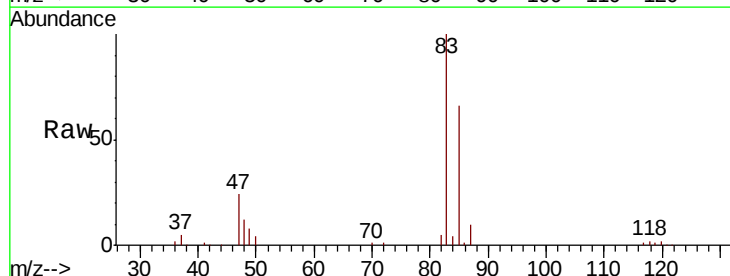
Instrument :
MSVOA_N
ClientSampled :

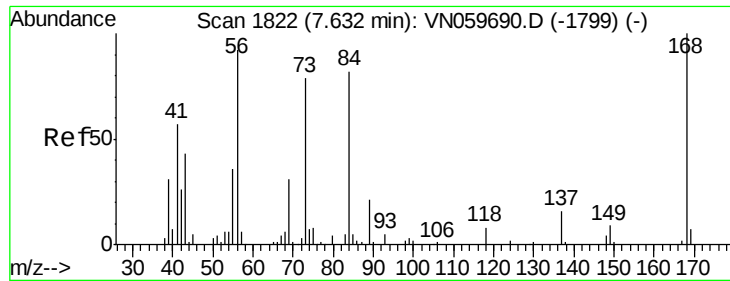
Tot Ion: 42 Resp: 171077
Ion Ratio Lower Upper
42 100
72 47.8 33.1 49.7
71 45.2 31.4 47.0



#30
Chloroform
Concen: 55.743 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 83 Resp: 171822
Ion Ratio Lower Upper
83 100
85 65.6 52.4 78.6

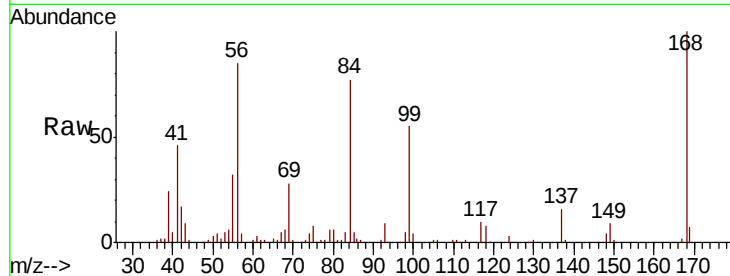




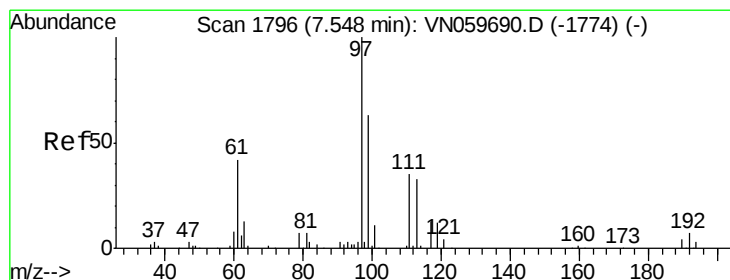
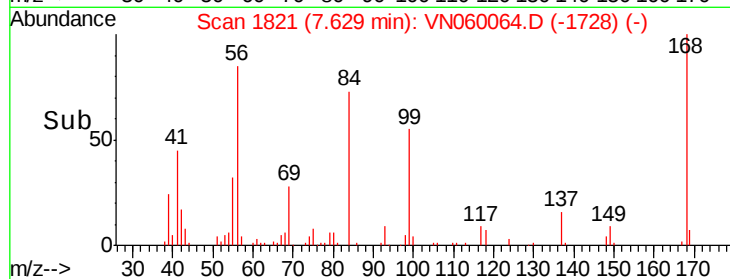
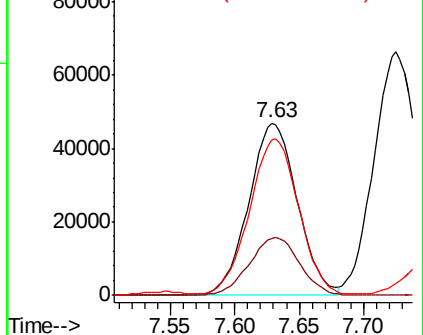
#31
Cyclohexane
Concen: 43.018 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 123144
Ion Ratio Lower Upper
56 100
69 33.2 26.5 39.7
84 88.9 65.3 97.9

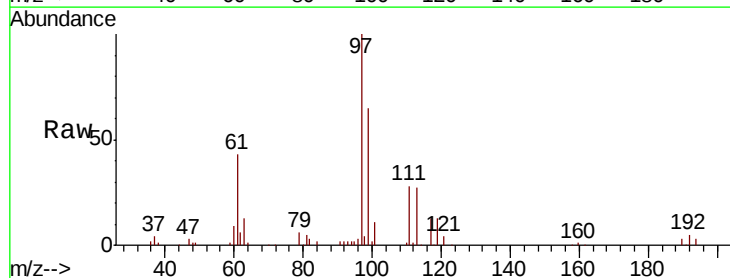


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

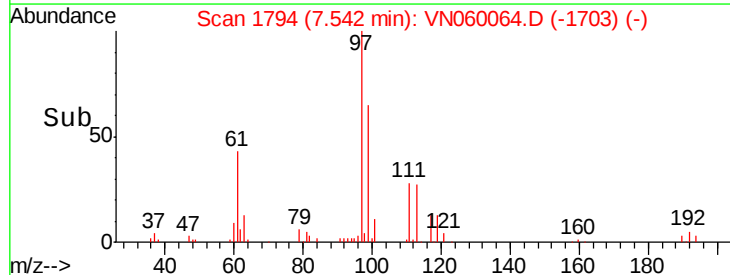
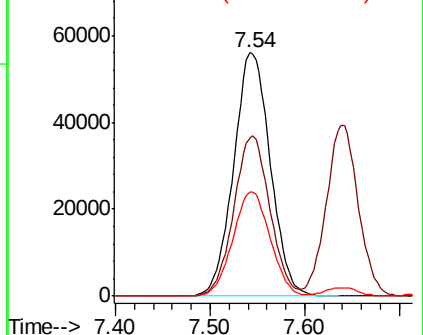


#32
1,1,1-Trichloroethane
Concen: 53.036 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 97 Resp: 151152
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 43.6 38.5 57.7



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

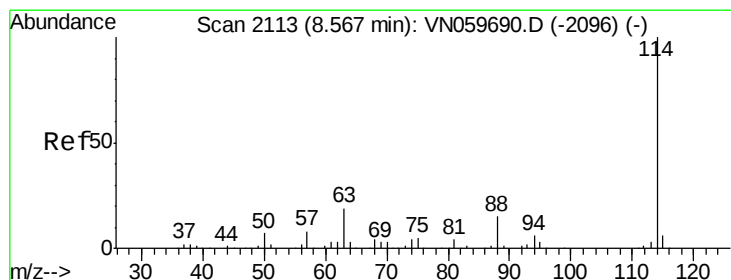
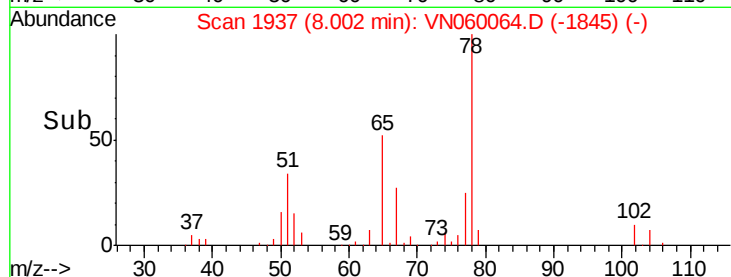
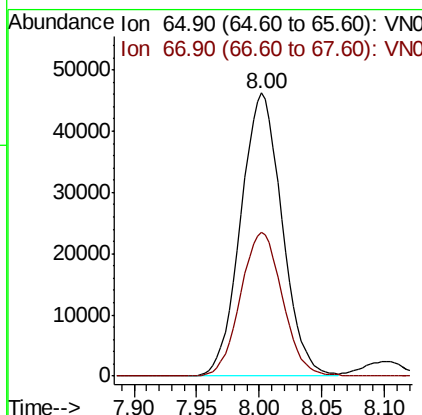
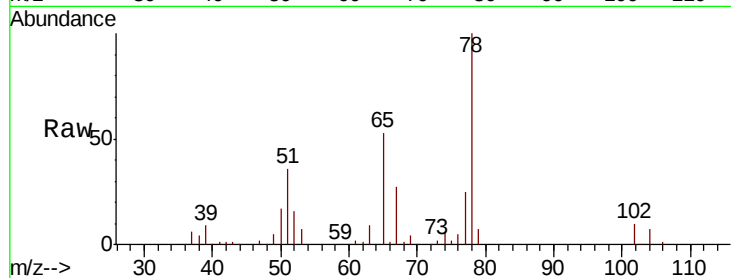




#33
 1,2-Dichloroethane-d4
 Concen: 54.837 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

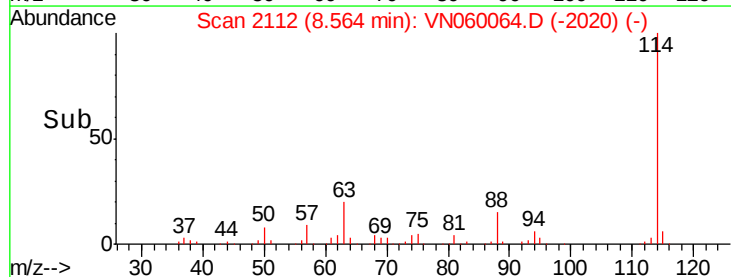
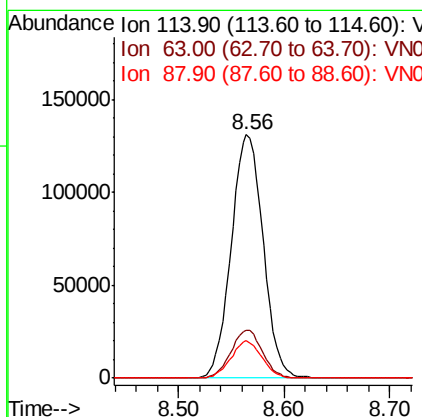
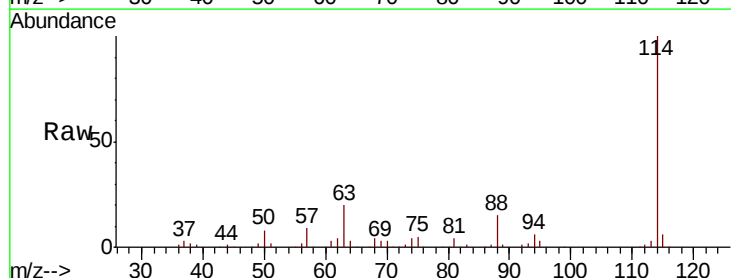
Instrument :
 MSVOA_N
 ClientSampled :

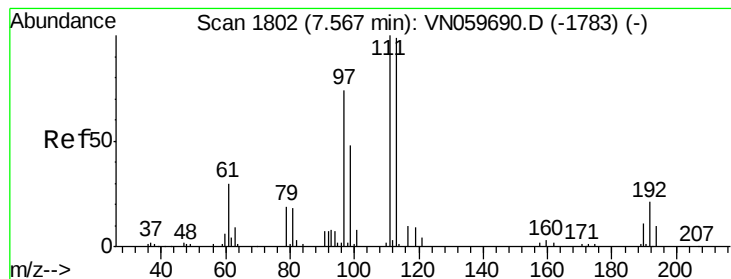
Tot Ion: 65 Resp: 106097
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Tgt Ion: 114 Resp: 275151
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.6
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.280 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

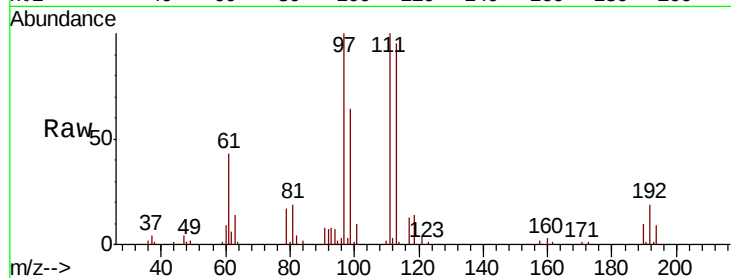
Tot Ion:113 Resp: 87424

Ion Ratio Lower Upper

113 100

111 104.4 83.5 125.3

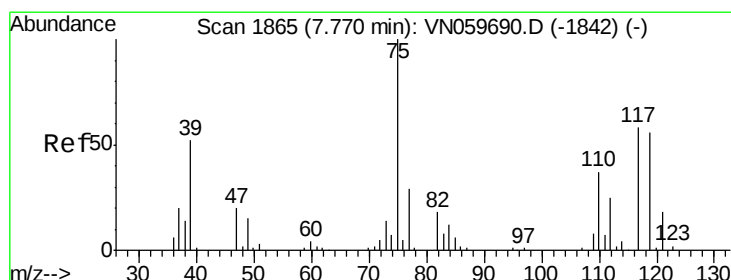
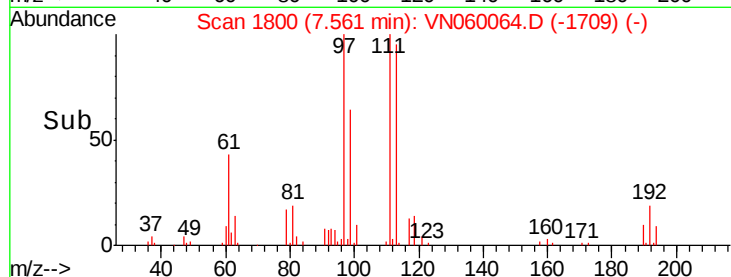
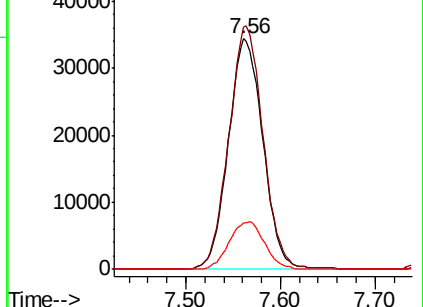
192 21.0 15.4 23.2



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: 48.872 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

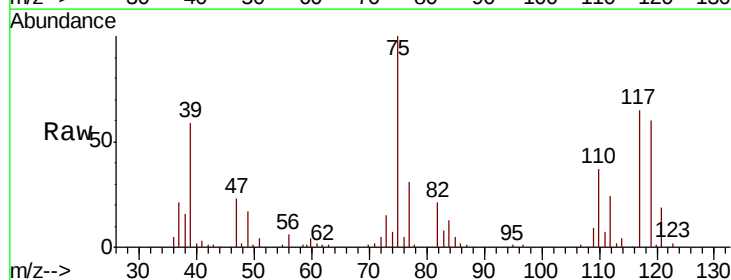
Tgt Ion: 75 Resp: 117103

Ion Ratio Lower Upper

75 100

110 36.5 16.6 49.7

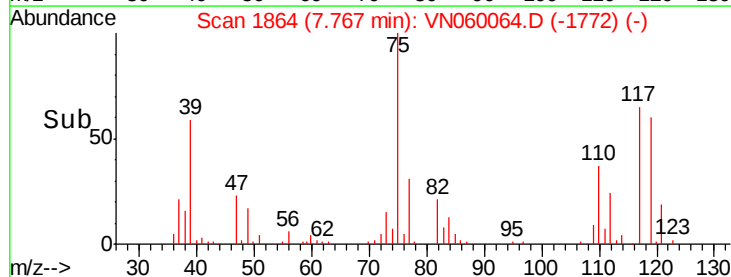
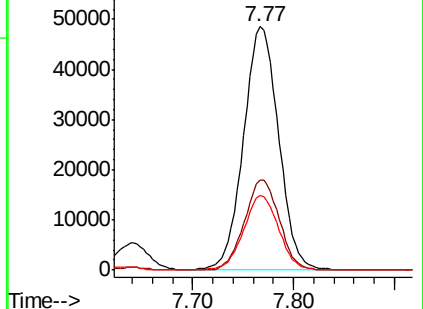
77 30.6 25.1 37.7

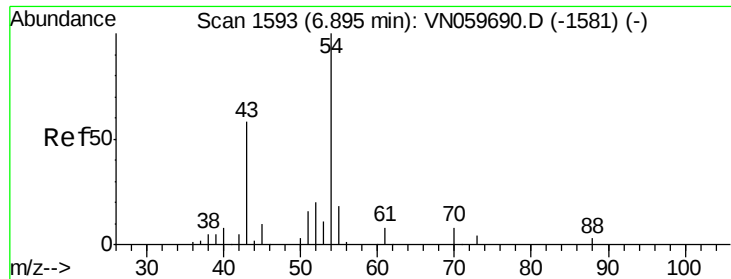


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

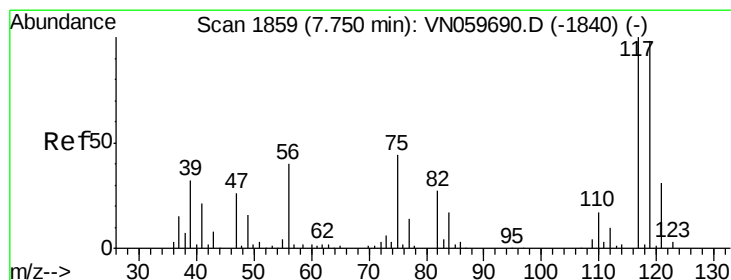
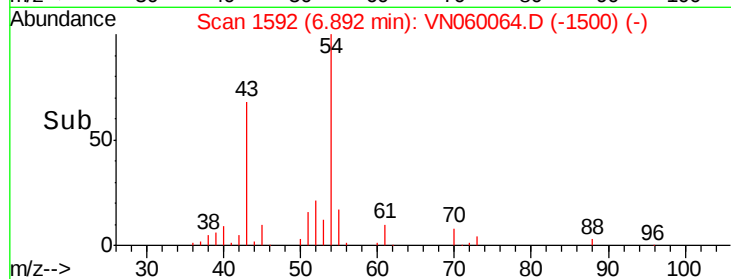
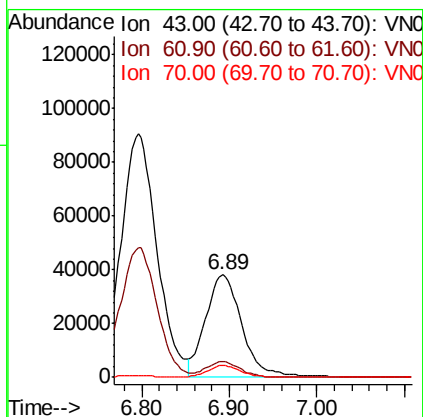
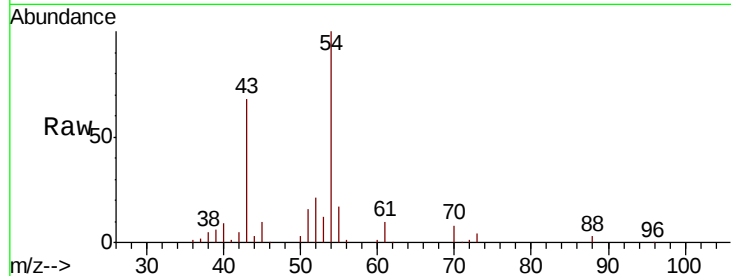




#37
Ethyl Acetate
Concen: 48.429 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

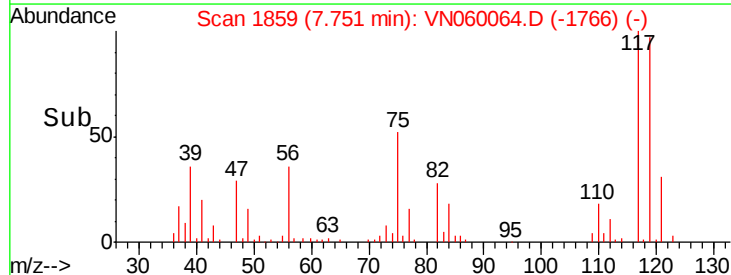
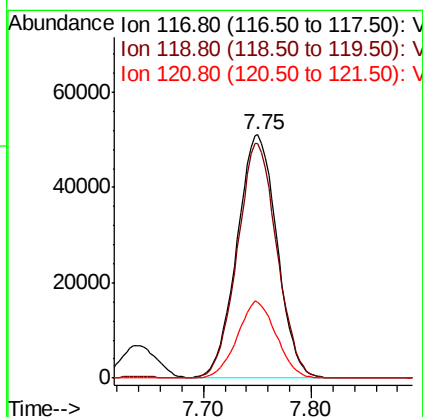
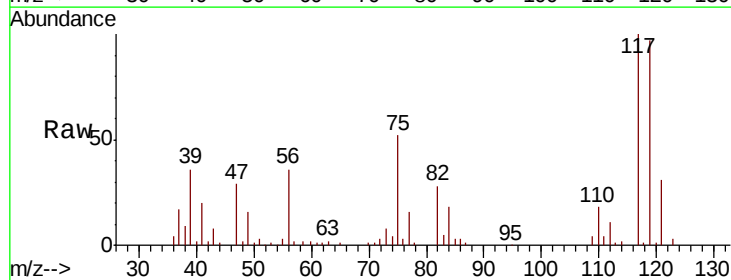
Instrument :
MSVOA_N
ClientSampled :

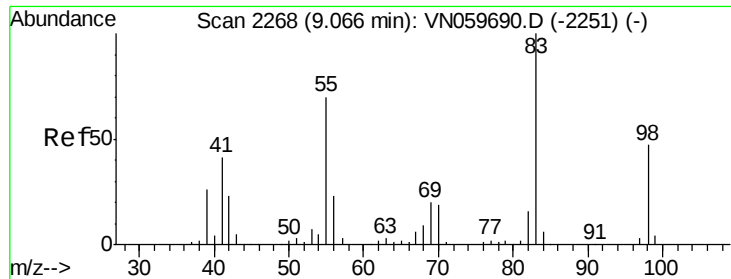
Tot Ion: 43 Resp: 108837
Ion Ratio Lower Upper
43 100
61 14.9 10.9 16.3
70 10.8 7.7 11.5



#38
Carbon Tetrachloride
Concen: 50.597 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 117 Resp: 131879
Ion Ratio Lower Upper
117 100
119 96.6 76.5 114.7
121 31.4 25.1 37.7

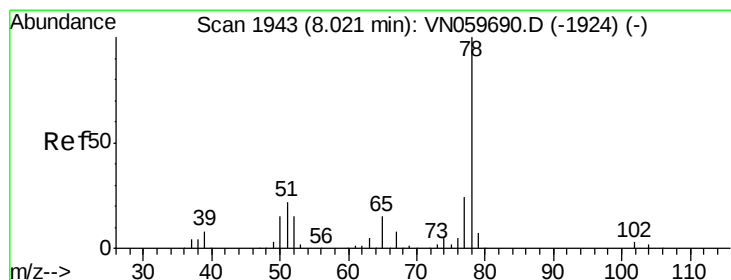
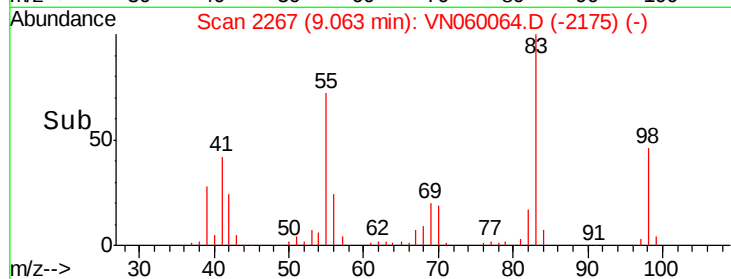
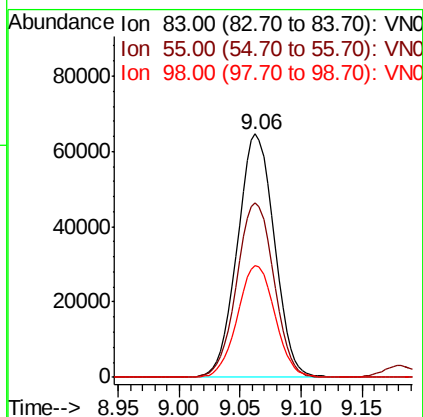
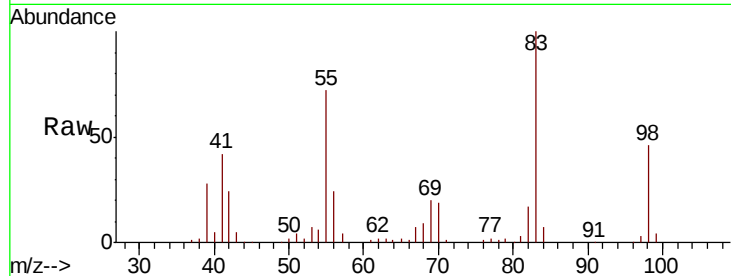




#39
Methvlcvclohexane
Concen: 45.867 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

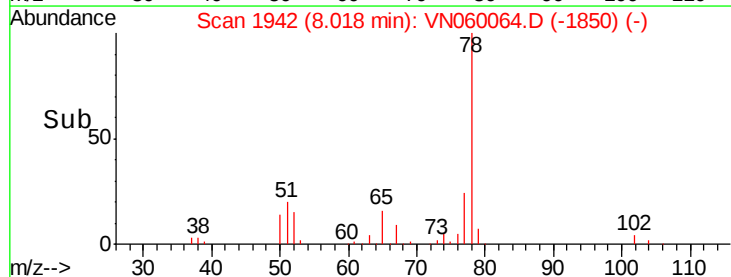
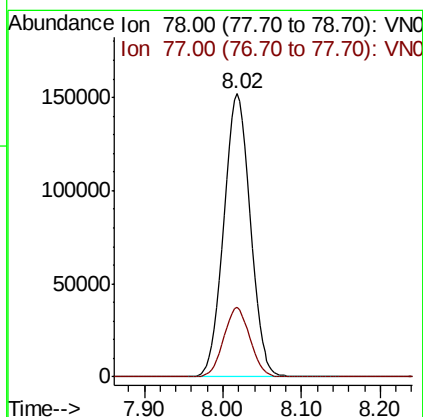
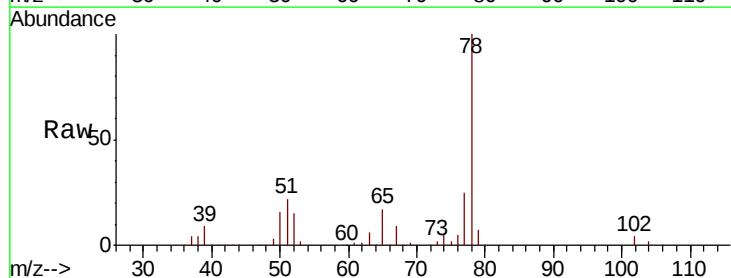
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 135514
Ion Ratio Lower Upper
83 100
55 71.5 64.2 96.2
98 45.9 35.9 53.9



#40
Benzene
Concen: 49.554 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 78 Resp: 354119
Ion Ratio Lower Upper
78 100
77 24.5 18.9 28.3

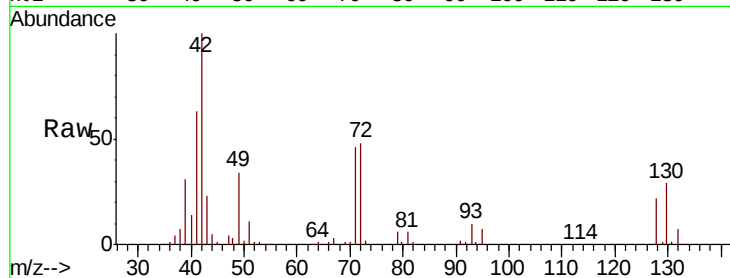




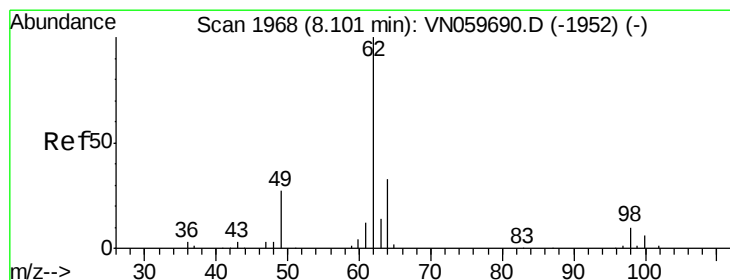
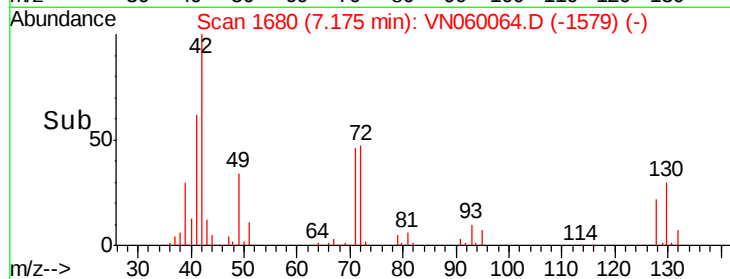
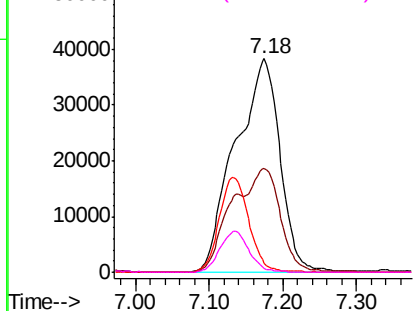
#41
Methacrylonitrile
Concen: 146.092 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	161716
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

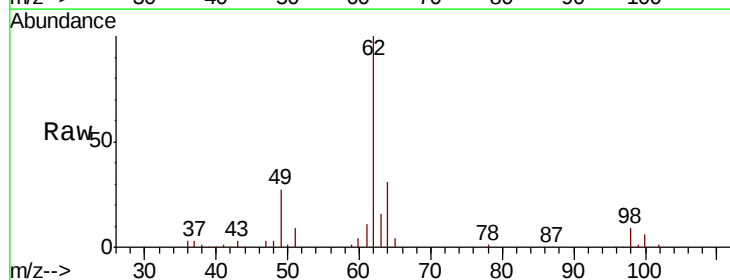


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

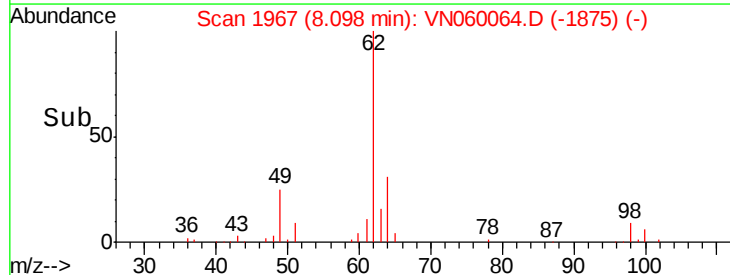
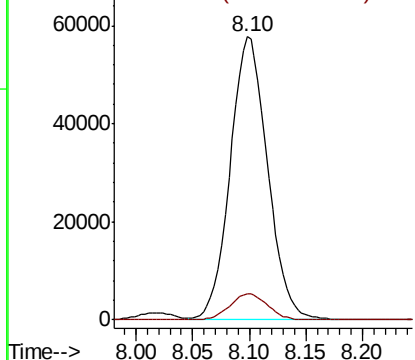


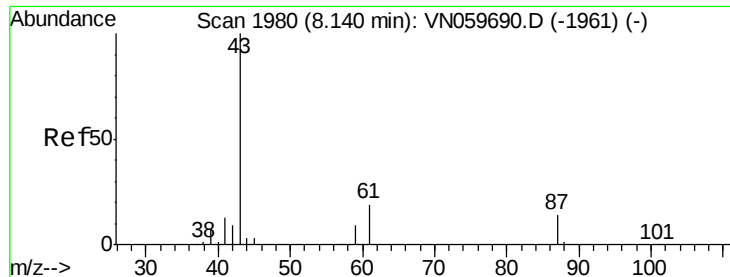
#42
1,2-Dichloroethane
Concen: 54.403 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion:	62	Resp:	131812
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 50.640 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

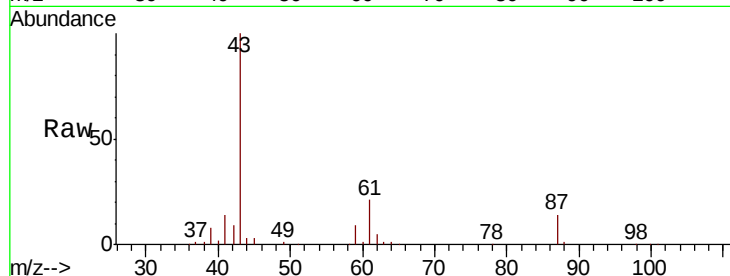
Tot Ion: 43 Resp: 195749

Ion Ratio Lower Upper

43 100

61 27.7 20.2 30.2

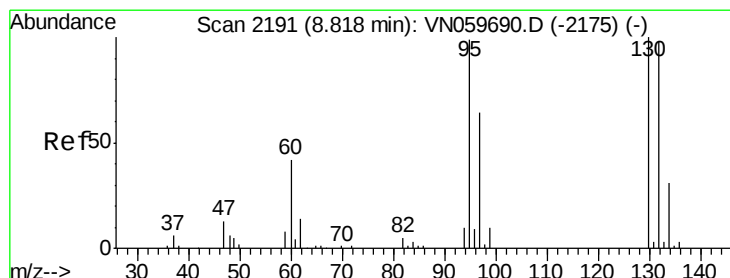
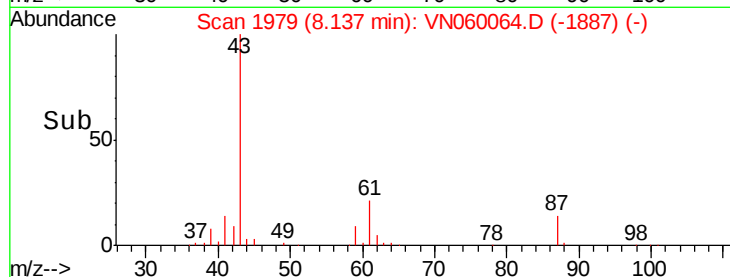
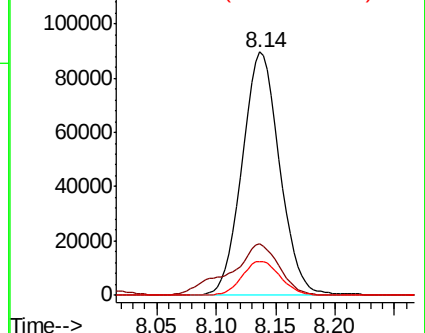
87 14.3 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 50.470 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060064.D

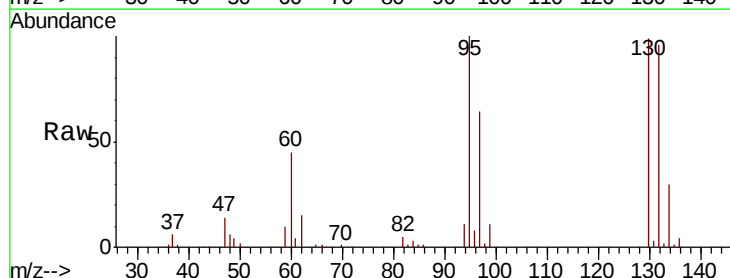
Acq: 11 Feb 2020 16:04

Tgt Ion:130 Resp: 98457

Ion Ratio Lower Upper

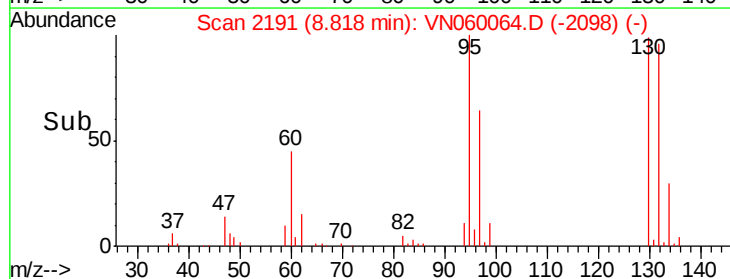
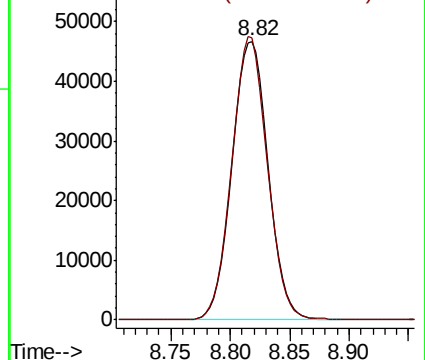
130 100

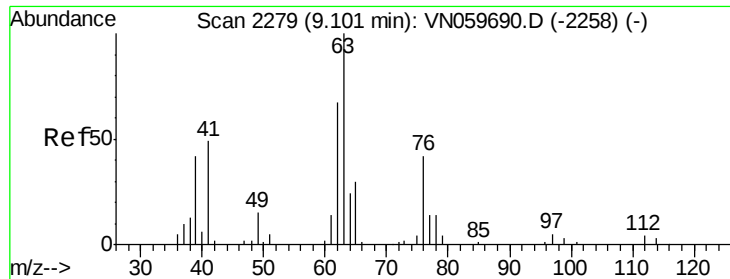
95 101.0 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

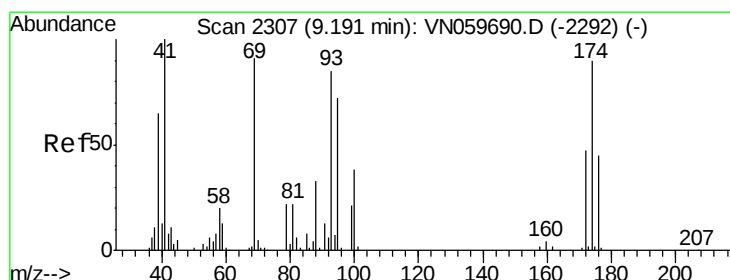
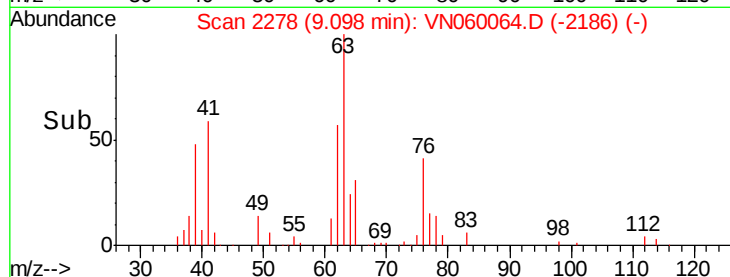
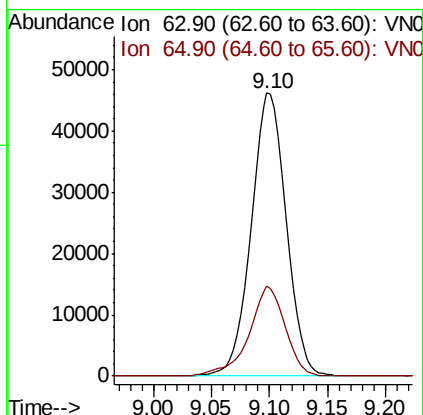
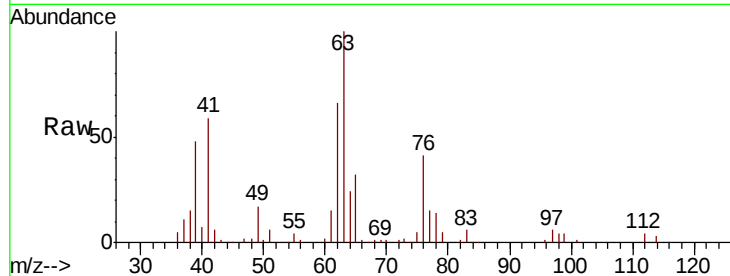




#45
 1,2-Dichloropropane
 Concen: 54.930 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

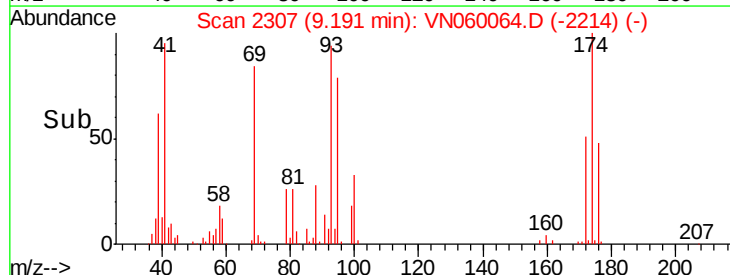
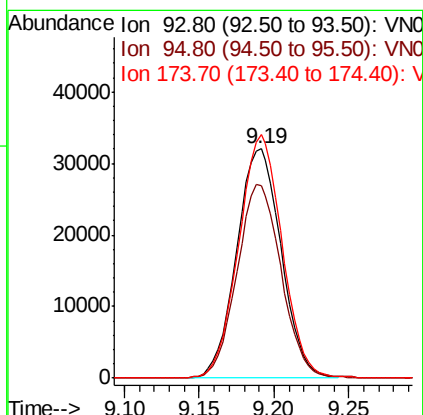
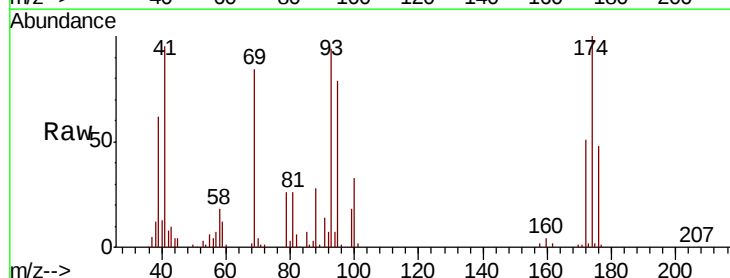
Instrument :
 MSVOA_N
 ClientSampled :

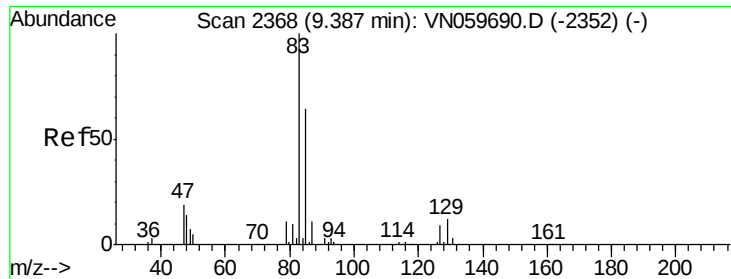
Tot Ion: 63 Resp: 97133
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.9 37.3



#46
 Dibromomethane
 Concen: 53.197 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Tgt Ion: 93 Resp: 66357
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.6
 174 103.8 73.4 110.2

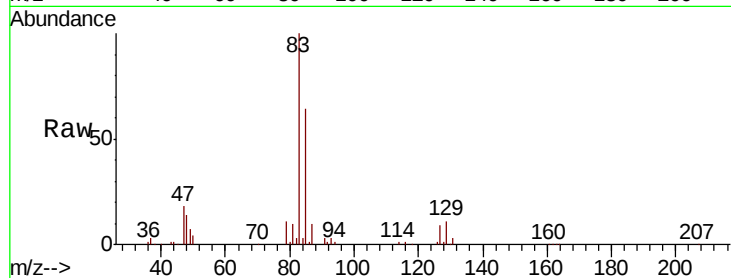




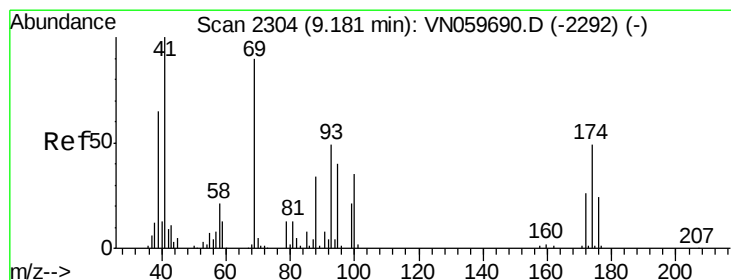
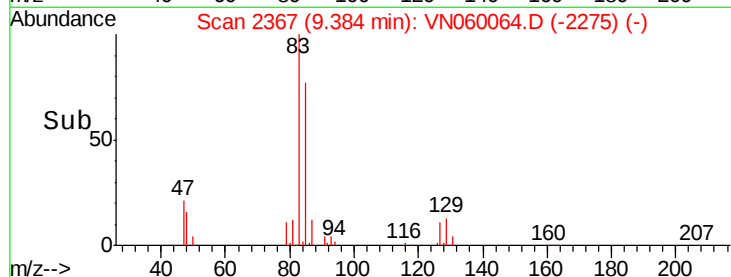
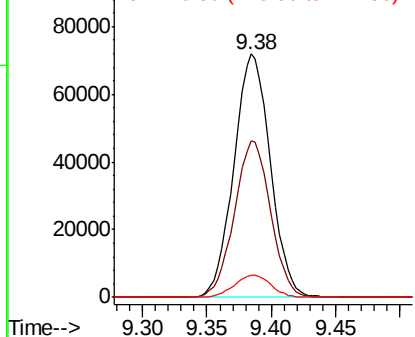
#47
Bromodichloromethane
Concen: 56.338 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 141616
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7
127 9.0 6.6 9.8

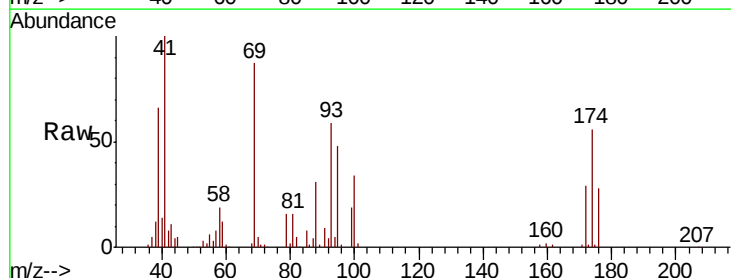


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

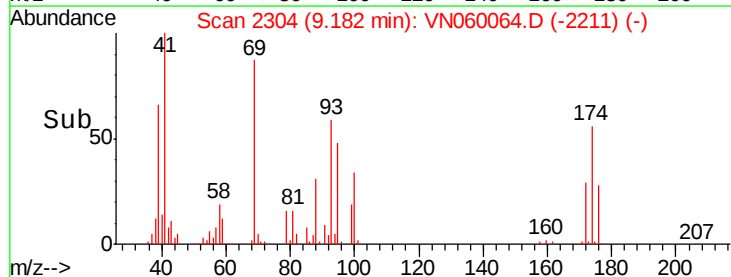
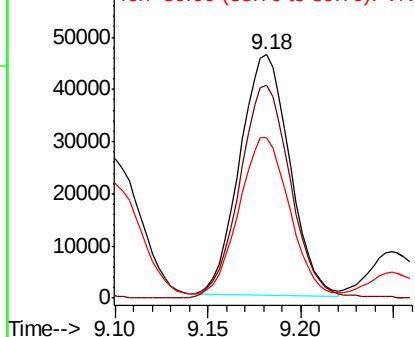


#48
Methyl methacrylate
Concen: 49.755 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 41 Resp: 86029
Ion Ratio Lower Upper
41 100
69 90.0 64.4 96.6
39 68.9 51.3 76.9



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

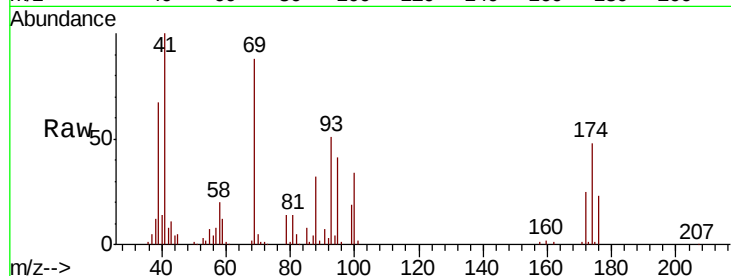




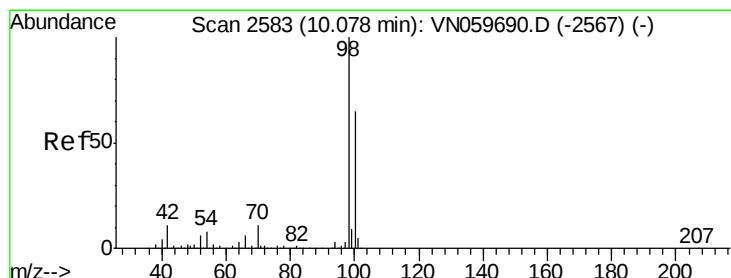
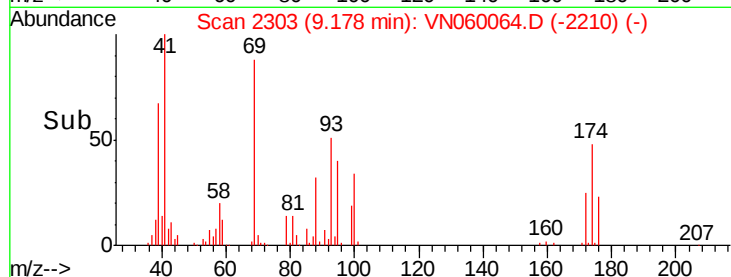
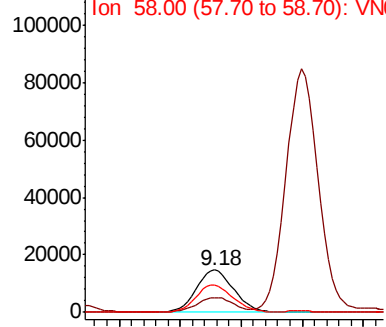
#49
1,4-Dioxane
Concen: 993.791 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 31456
Ion Ratio Lower Upper
88 100
43 31.8 29.7 44.5
58 64.0 56.6 85.0

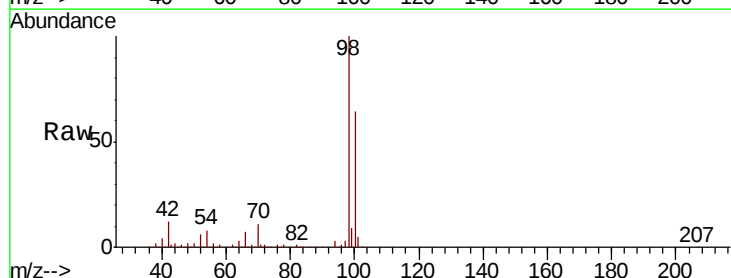


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

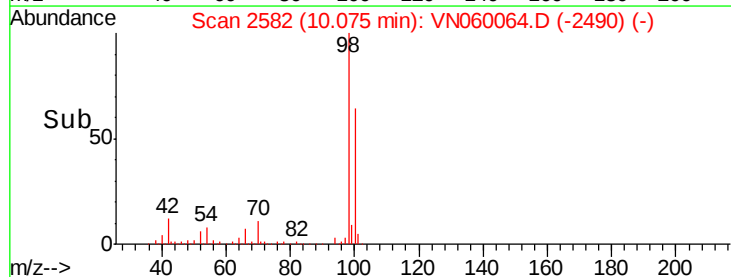
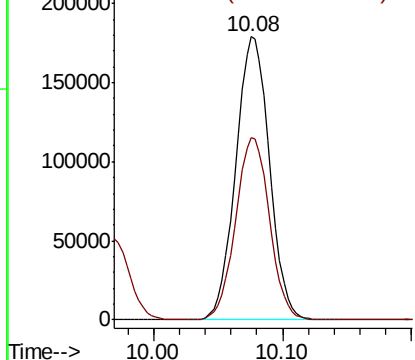


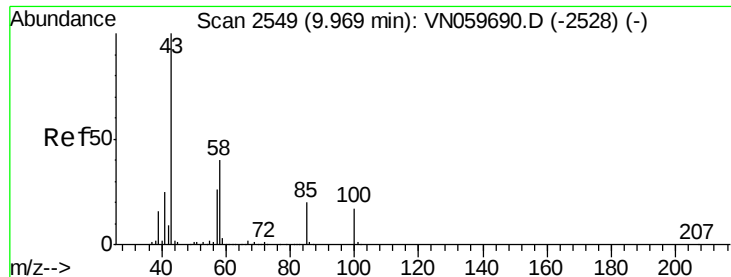
#50
Toluene-d8
Concen: 51.109 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 98 Resp: 324921
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 256.091 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

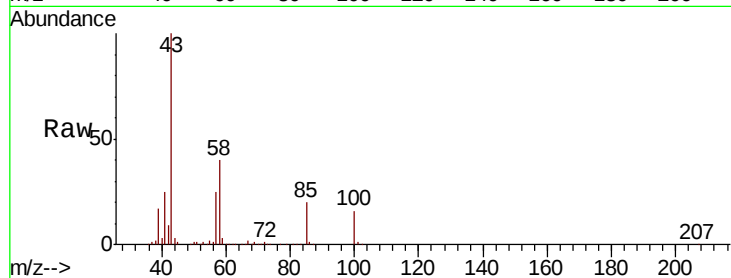
ClientSampled :

Tot Ion: 43 Resp: 572246

Ion Ratio Lower Upper

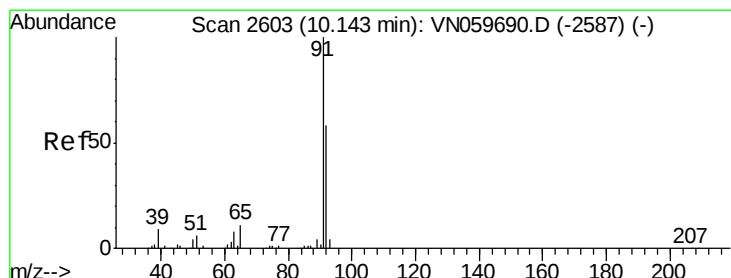
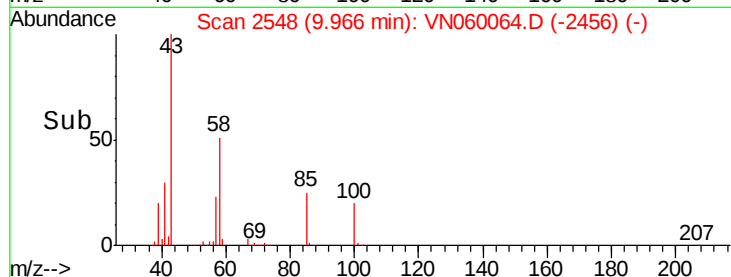
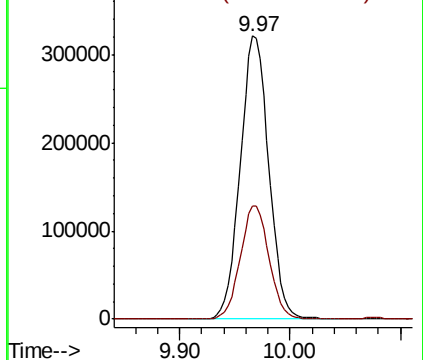
43 100

58 40.4 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.741 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060064.D

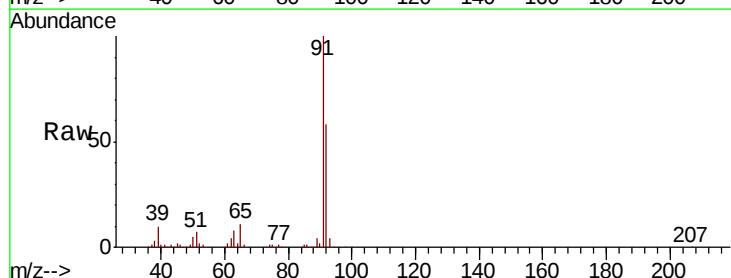
Acq: 11 Feb 2020 16:04

Tgt Ion: 92 Resp: 233547

Ion Ratio Lower Upper

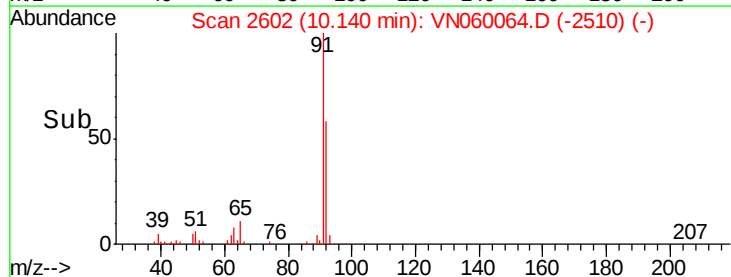
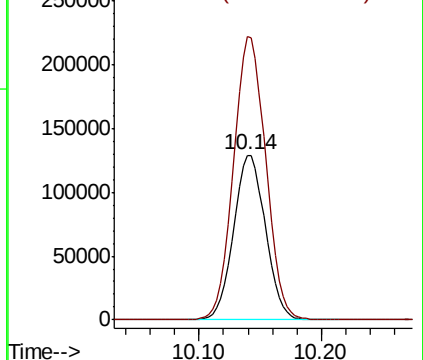
92 100

91 173.9 140.4 210.6



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: 55.419 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

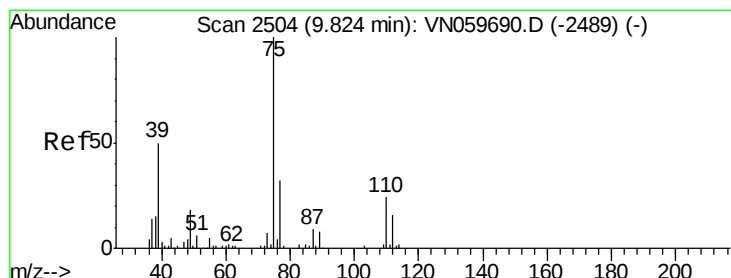
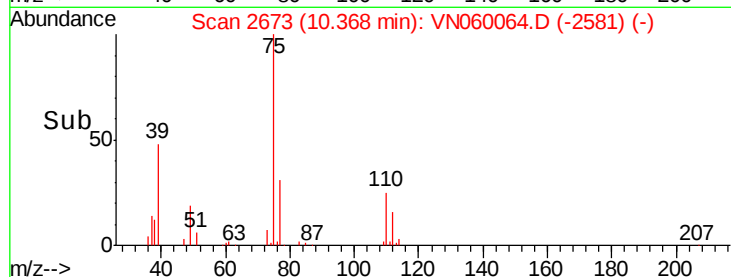
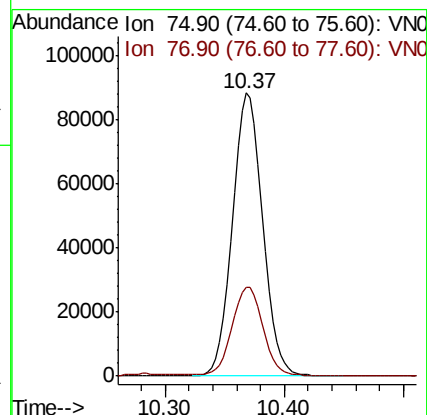
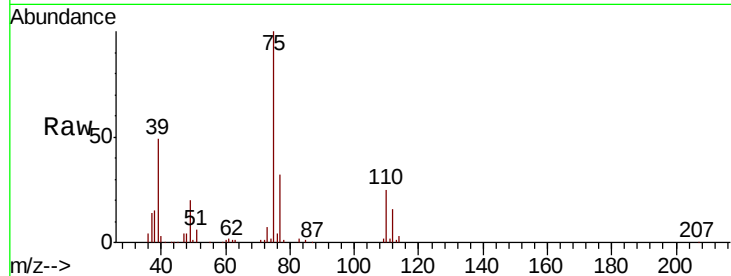
ClientSampled :

Tot Ion: 75 Resp: 155544

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 54.946 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

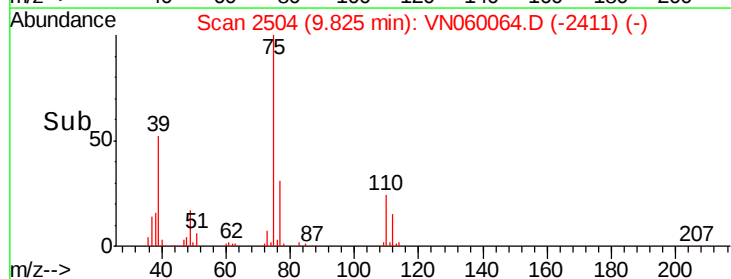
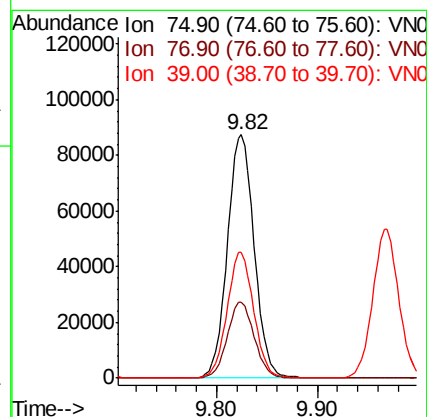
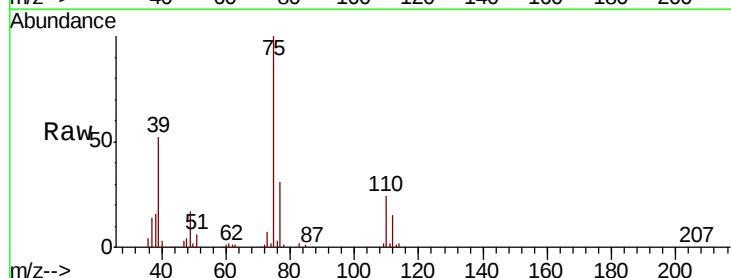
Tgt Ion: 75 Resp: 162266

Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 51.8 46.1 69.1

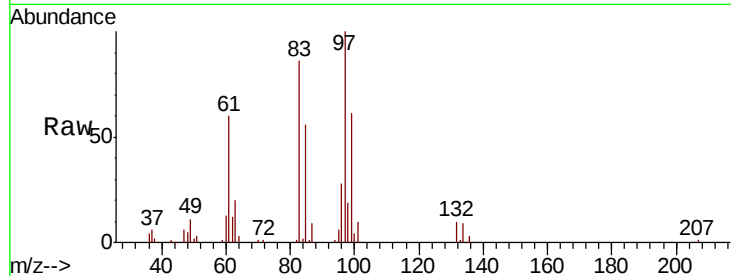




#55
 1,1,2-Trichloroethane
 Concen: 54.973 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	97	Resp	98277
Ion Ratio	Lower	Upper	
97	100		
83	86.1	71.3	106.9
85	56.2	45.8	68.8
99	61.5	50.0	75.0



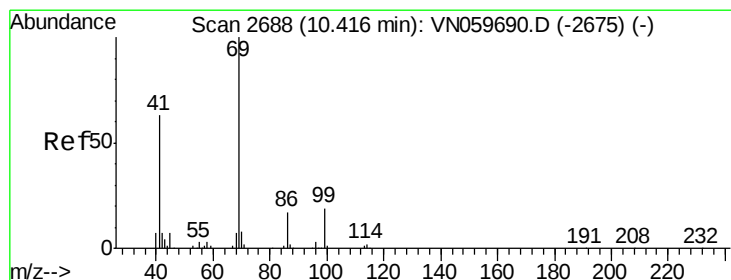
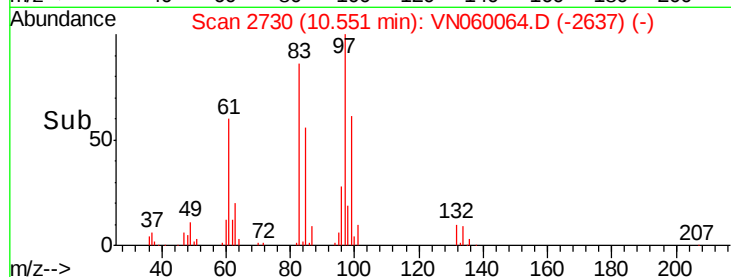
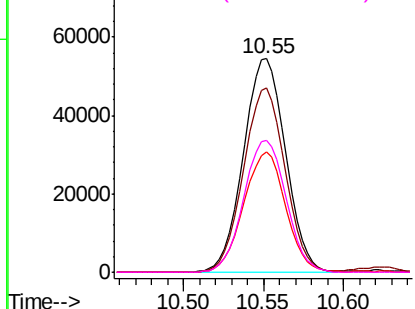
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

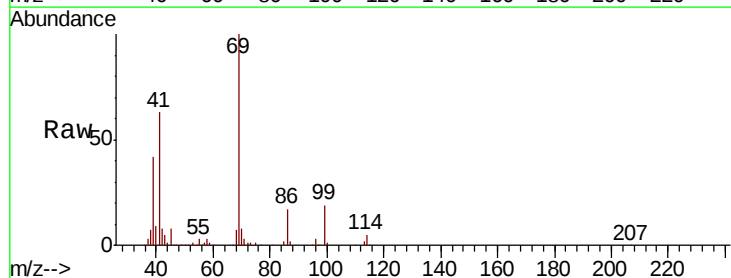
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 51.846 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Tgt Ion	69	Resp	141625
Ion Ratio	Lower	Upper	
69	100		
41	63.0	57.1	85.7
39	41.7	34.7	52.1

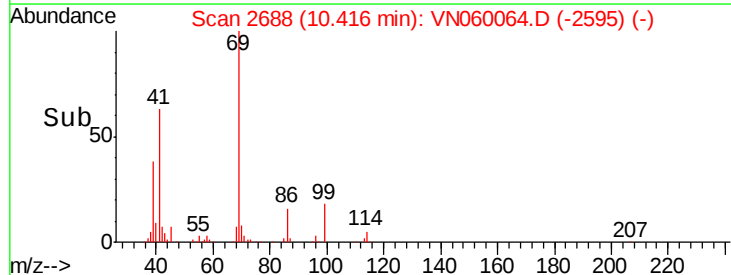
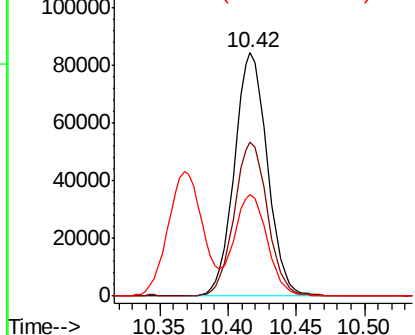


Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 55.383 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

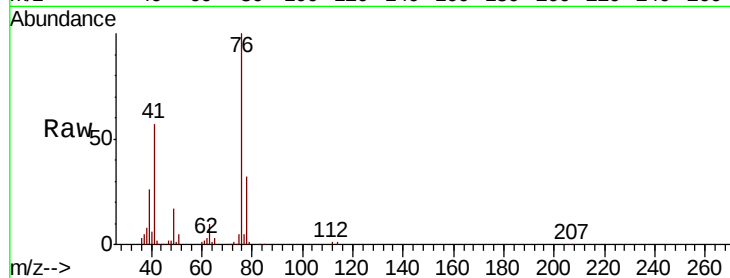
ClientSampled :

Tot Ion: 76 Resp: 157191

Ion Ratio Lower Upper

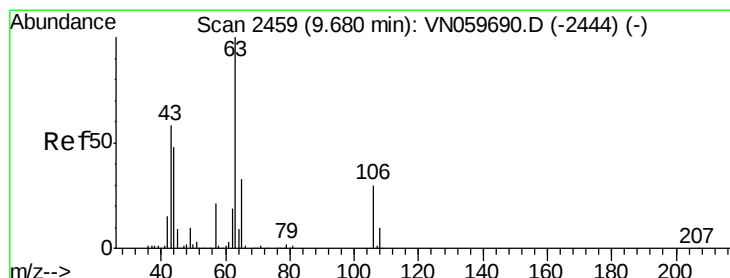
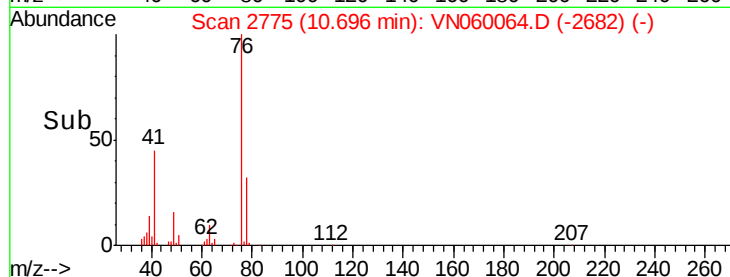
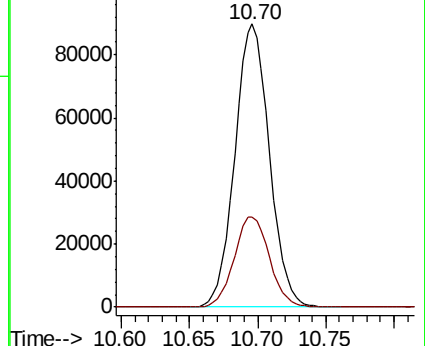
76 100

78 32.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 301.912 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060064.D

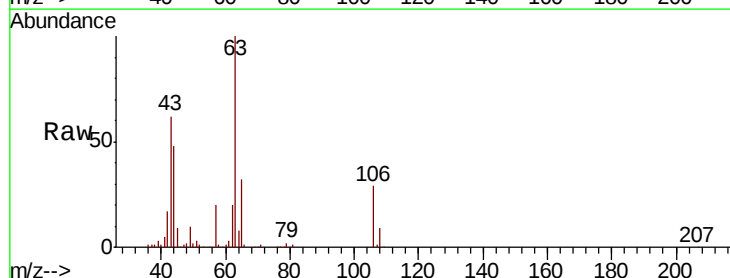
Acq: 11 Feb 2020 16:04

Tgt Ion: 63 Resp: 248408

Ion Ratio Lower Upper

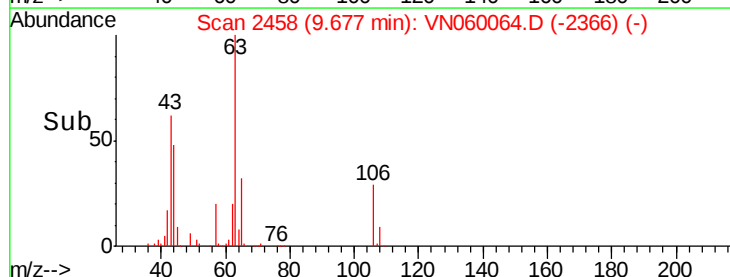
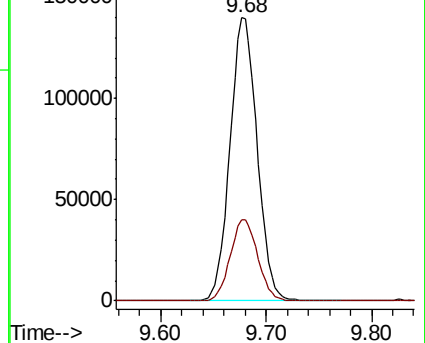
63 100

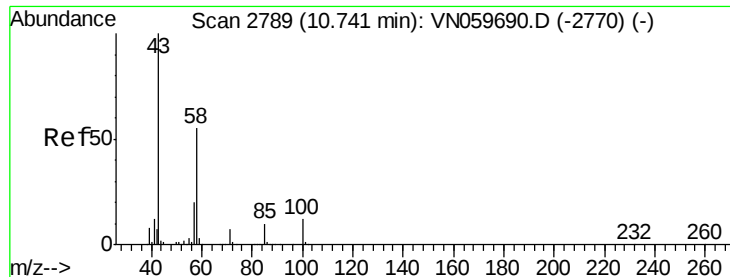
106 29.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

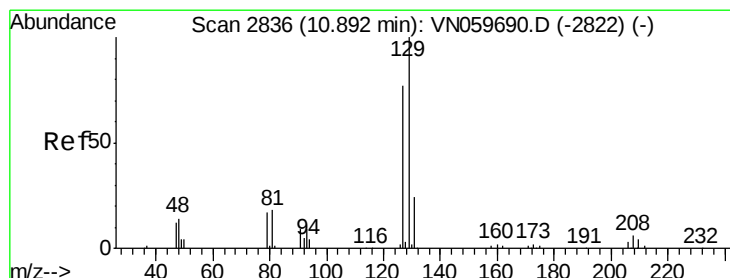
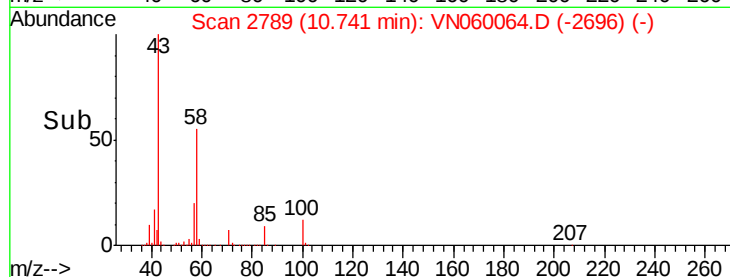
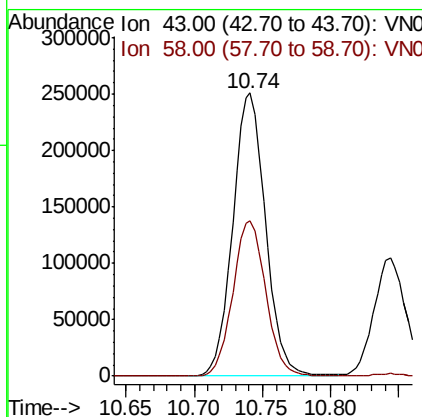
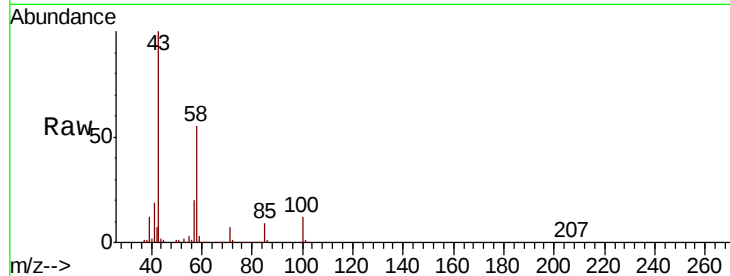




#59
2-Hexanone
Concen: 252.831 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

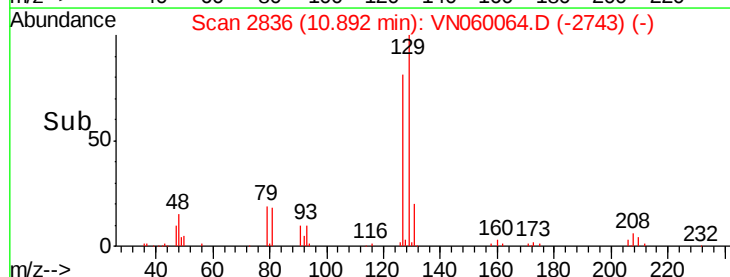
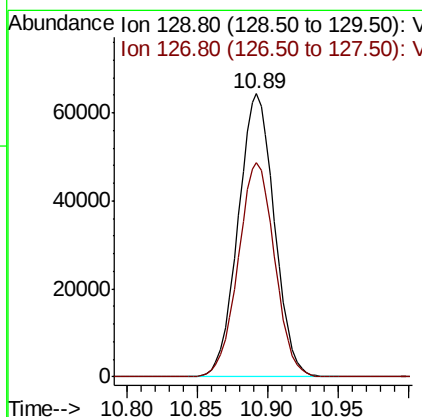
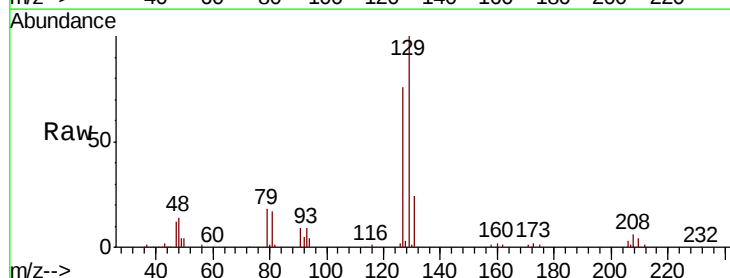
Instrument :
MSVOA_N
ClientSampled :

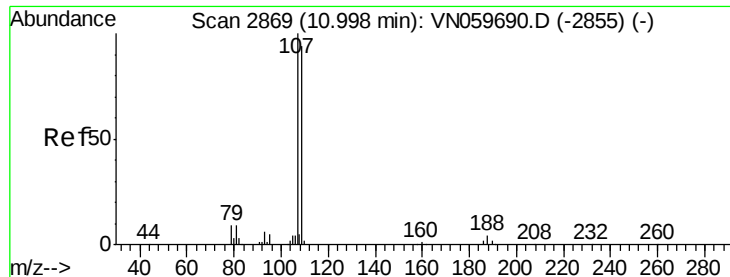
Tot Ion: 43 Resp: 416209
Ion Ratio Lower Upper
43 100
58 55.3 25.8 77.3



#60
Dibromochloromethane
Concen: 56.781 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 129 Resp: 115595
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5

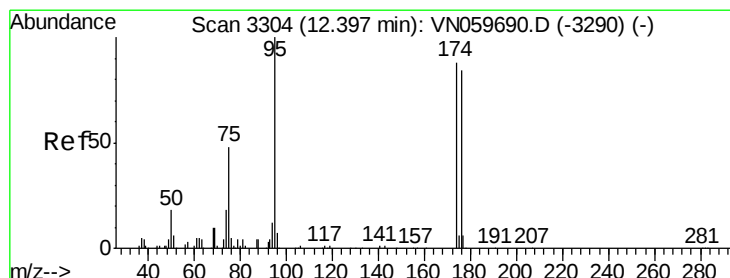
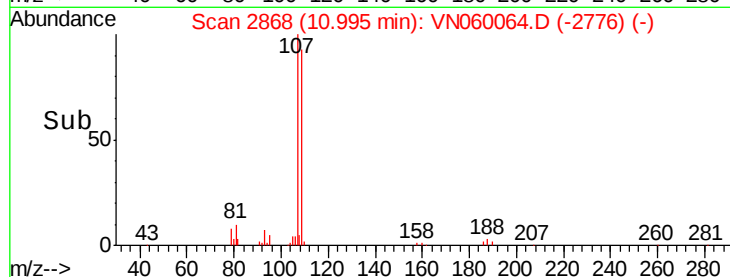
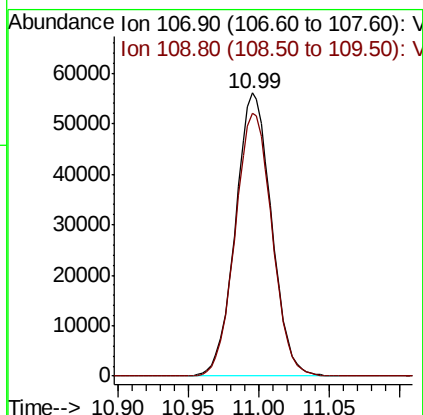
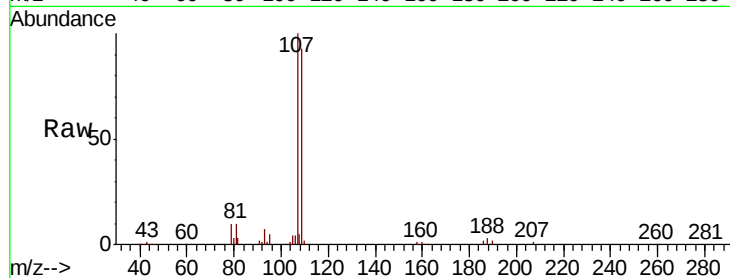




#61
 1,2-Dibromoethane
 Concen: 53.626 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

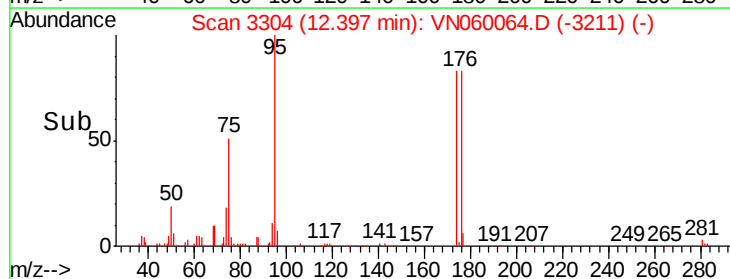
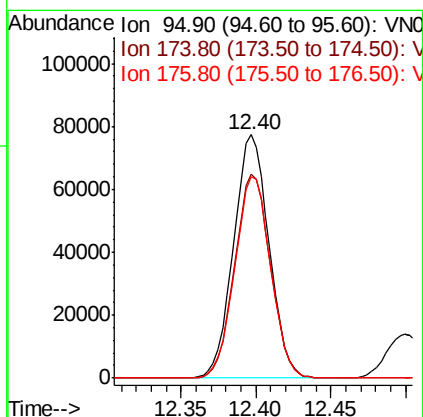
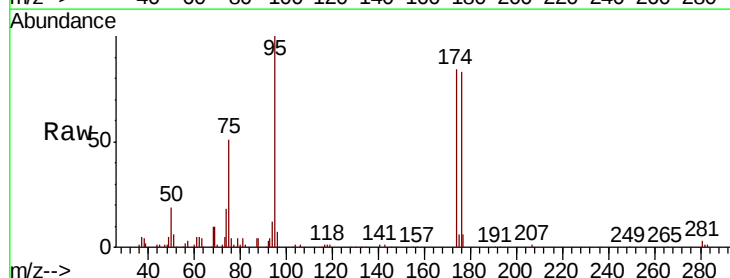
Instrument :
 MSVOA_N
 ClientSampleId :

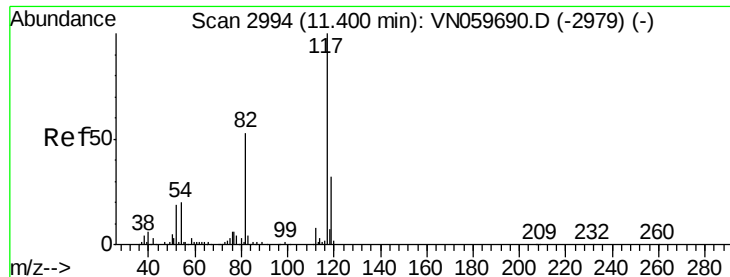
Tot Ion: 107 Resp: 100482
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 55.542 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Tgt Ion: 95 Resp: 127295
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 151.4
 176 83.8 0.0 146.0

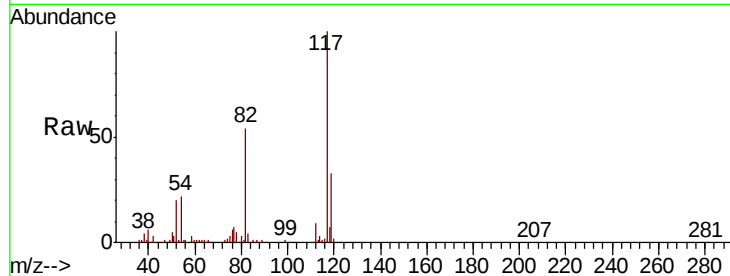




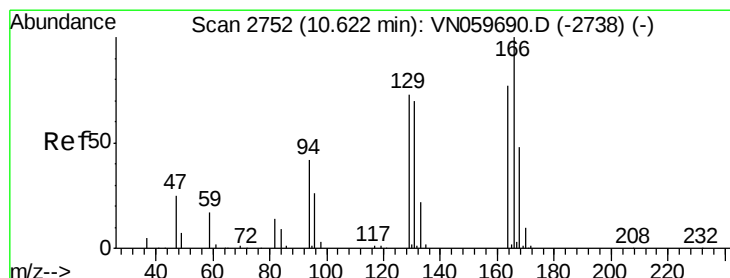
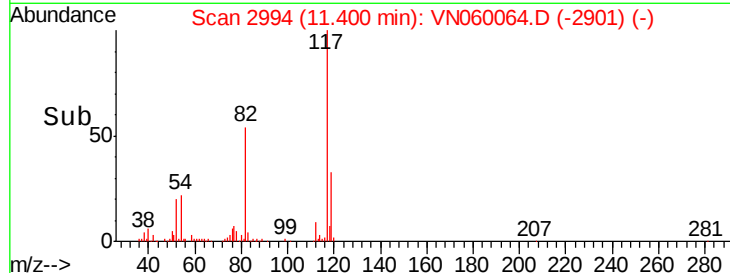
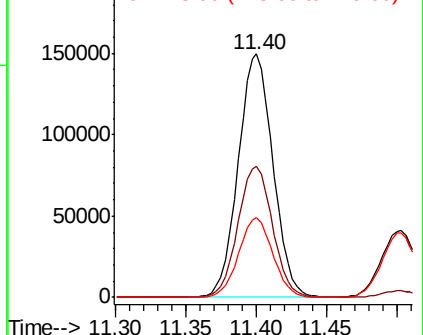
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 258648
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 32.5 25.5 38.3

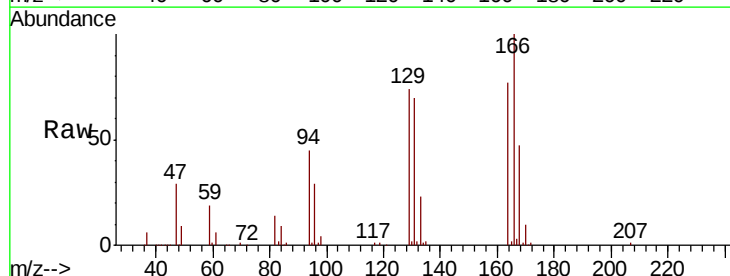


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

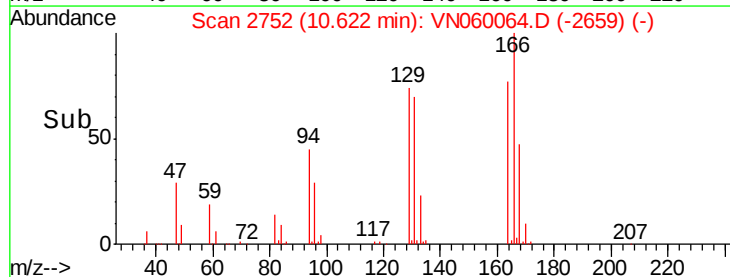
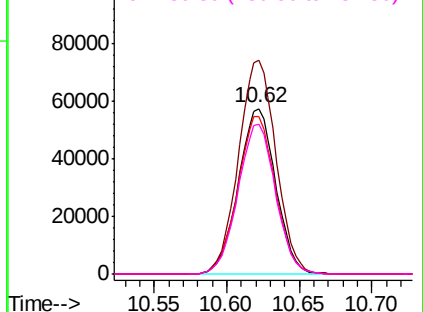


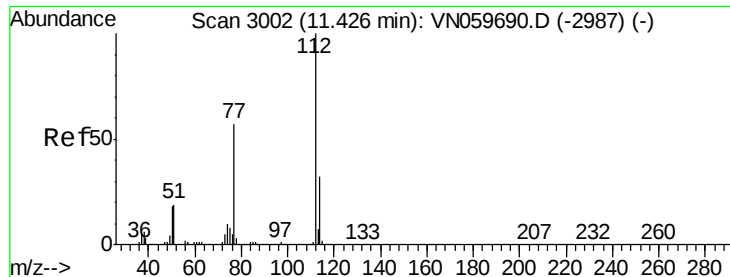
#64
Tetrachloroethene
Concen: 48.879 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion:164 Resp: 103037
Ion Ratio Lower Upper
164 100
166 129.3 101.4 152.0
129 95.1 80.2 120.4
131 90.7 75.0 112.4



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

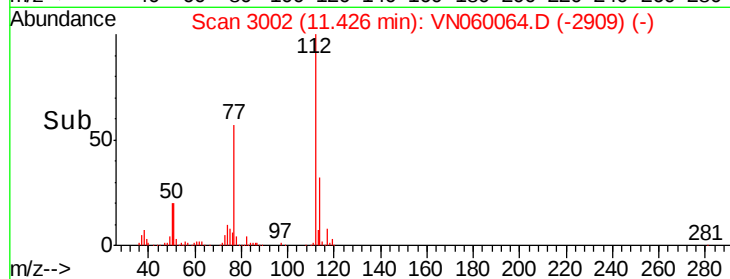
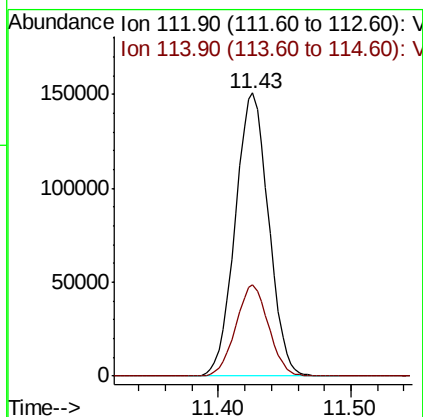
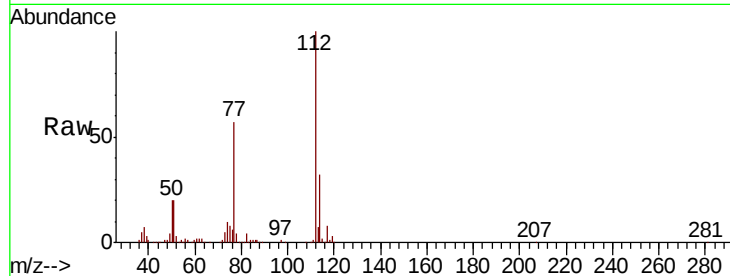




#65
Chlorobenzene
Concen: 51.694 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

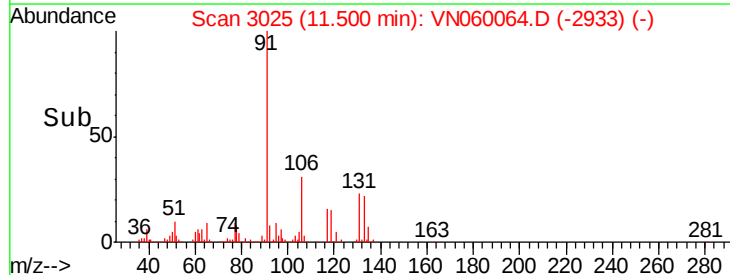
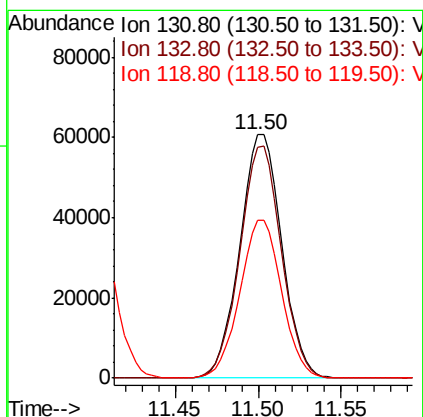
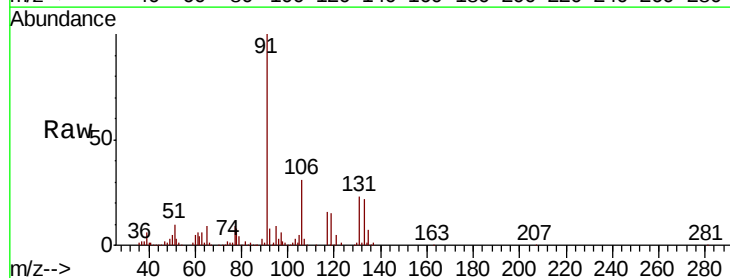
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 262802
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.333 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion:131 Resp: 106730
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.2
119 64.4 33.1 99.3





#67

Ethyl Benzene

Concen: 51.064 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

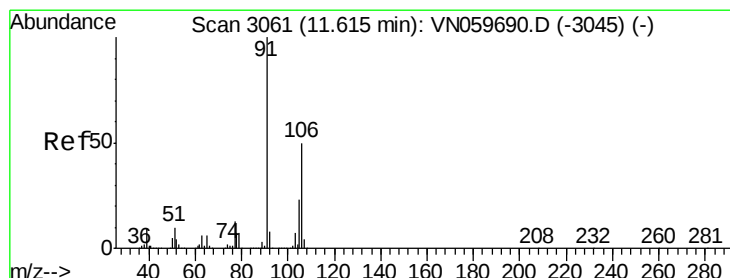
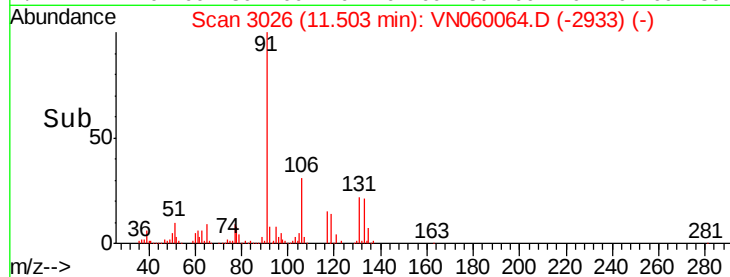
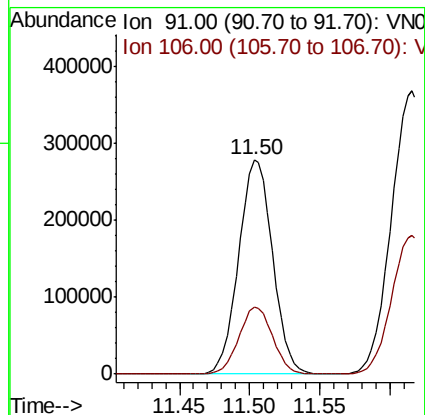
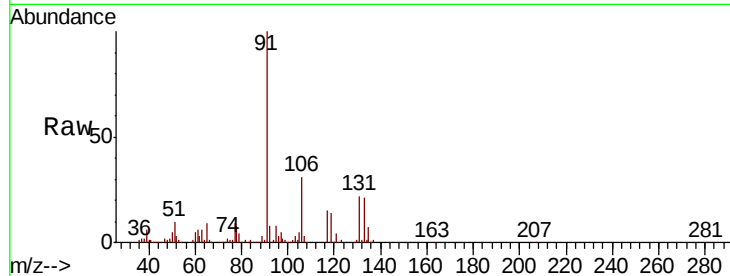
ClientSampled :

Tot Ion: 91 Resp: 471261

Ion Ratio Lower Upper

91 100

106 31.4 24.1 36.1



#68

m/p-Xylenes

Concen: 100.123 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060064.D

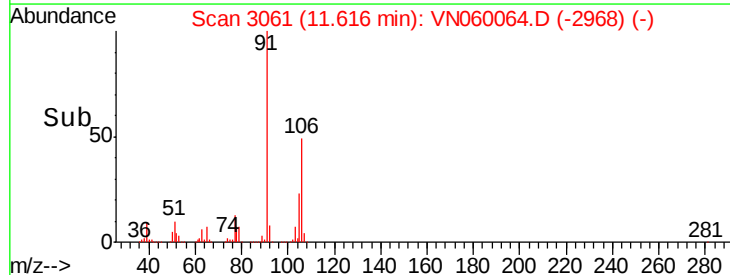
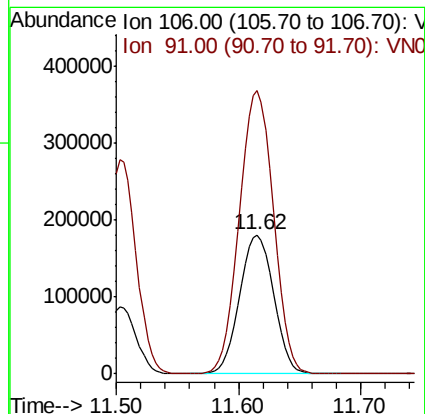
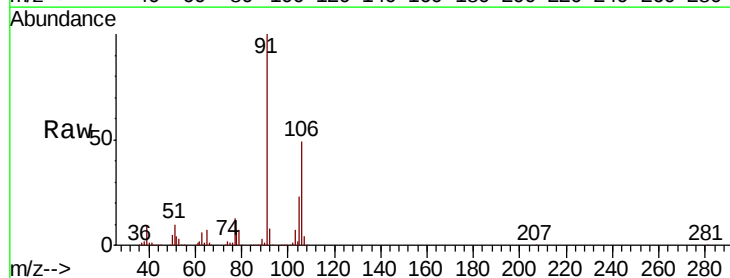
Acq: 11 Feb 2020 16:04

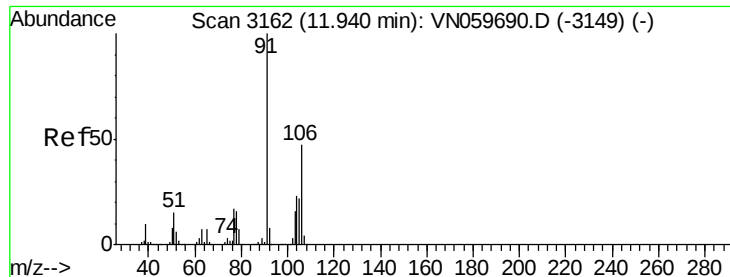
Tgt Ion: 106 Resp: 349036

Ion Ratio Lower Upper

106 100

91 204.2 167.9 251.9

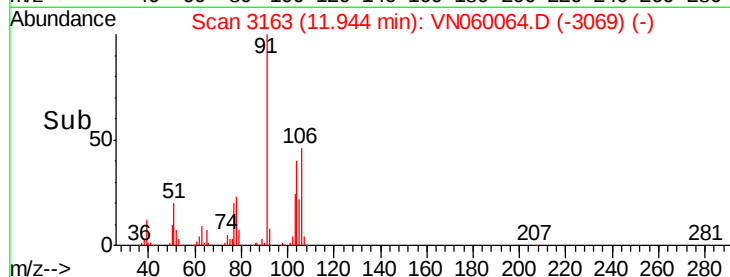
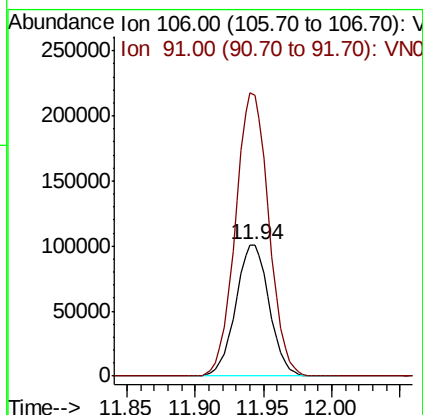
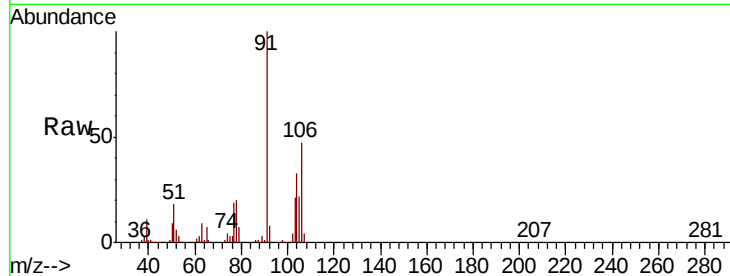




#69
o-Xylene
Concen: 50.441 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

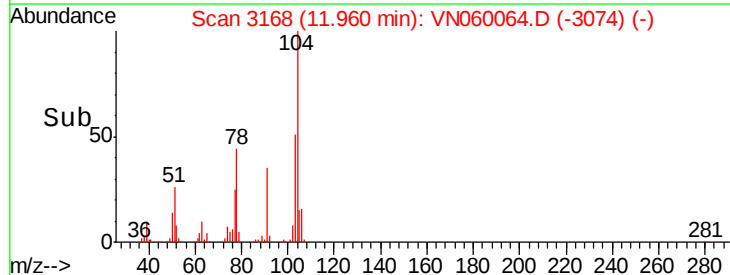
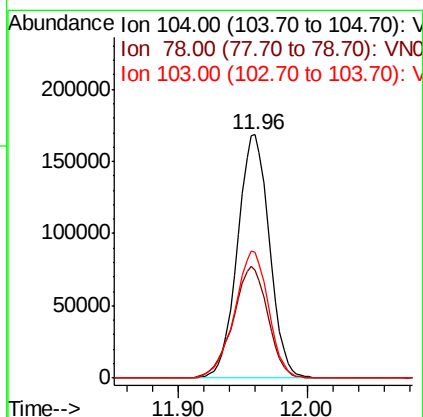
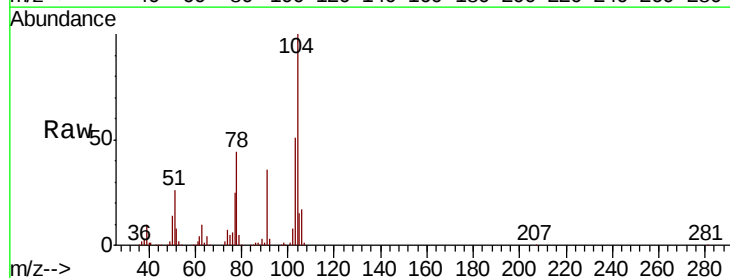
Instrument :
MSVOA_N
ClientSampled :

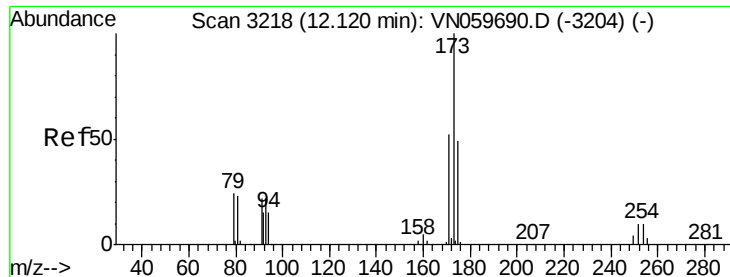
Tot Ion:106 Resp: 172150
Ion Ratio Lower Upper
106 100
91 214.1 110.3 330.9



#70
Styrene
Concen: 50.867 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion:104 Resp: 290498
Ion Ratio Lower Upper
104 100
78 49.8 42.4 63.6
103 55.5 43.9 65.9

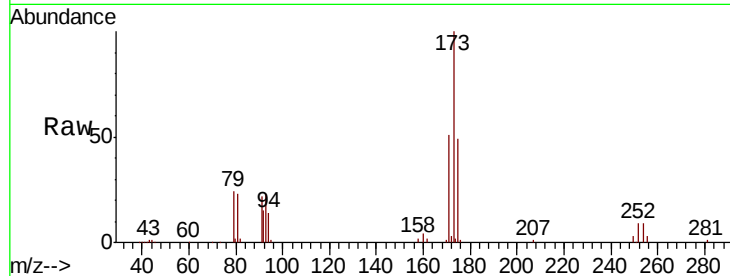




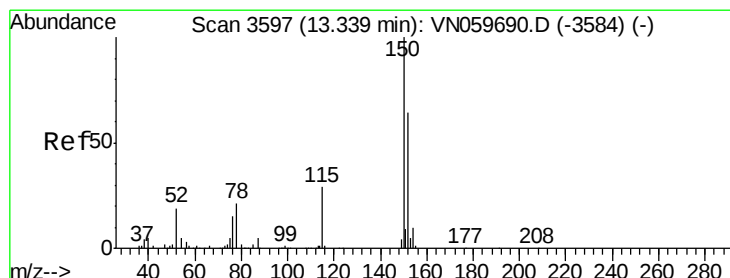
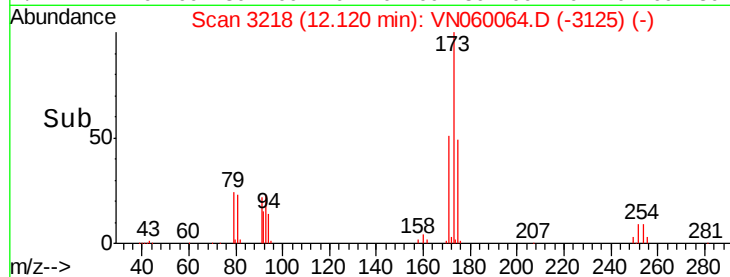
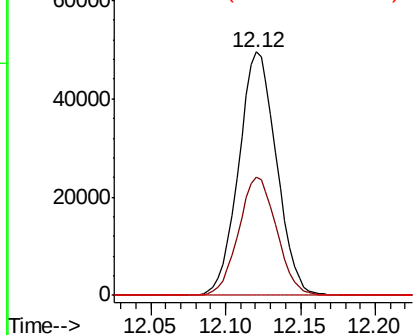
#71
Bromoform
Concen: 55.300 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 87014
Ion Ratio Lower Upper
173 100
175 48.7 23.8 71.4
254 0.0 0.0 0.0

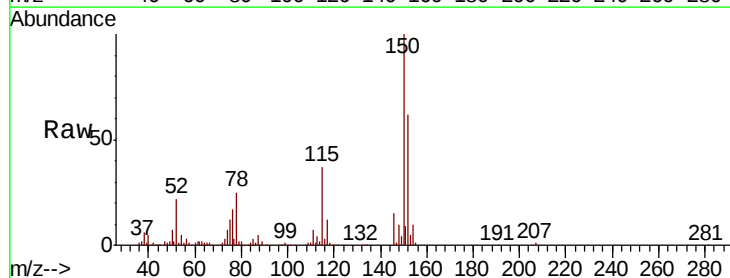


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

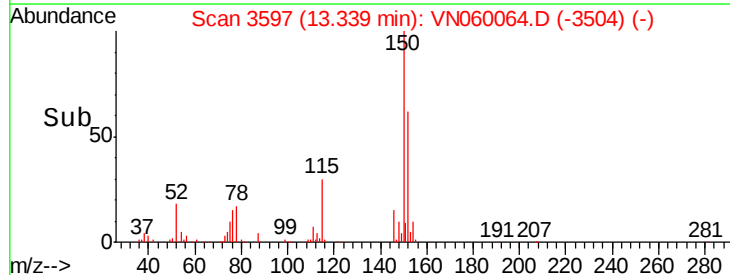
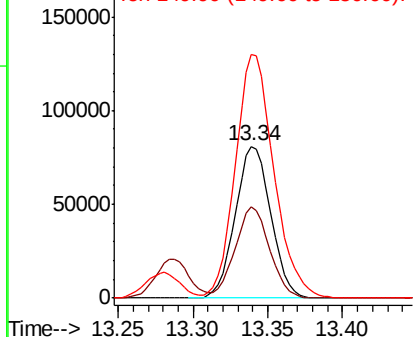


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion:152 Resp: 133609
Ion Ratio Lower Upper
152 100
115 58.6 30.3 90.9
150 174.3 0.0 345.2



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: 48.712 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

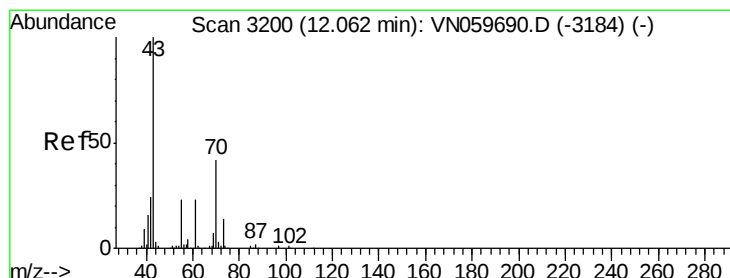
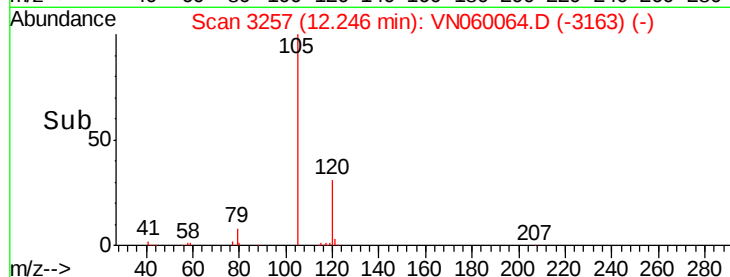
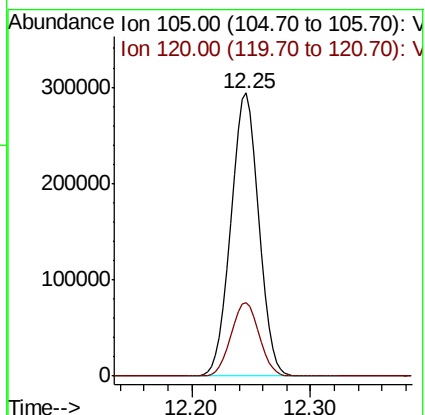
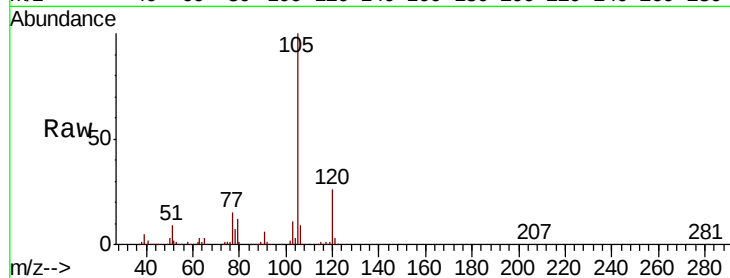
ClientSampleId :

Tot Ion:105 Resp: 477315

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.5



#74

N-ethyl acetate

Concen: 47.274 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Tgt Ion: 43 Resp: 179746

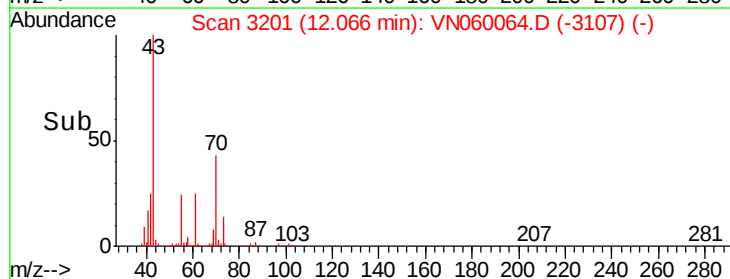
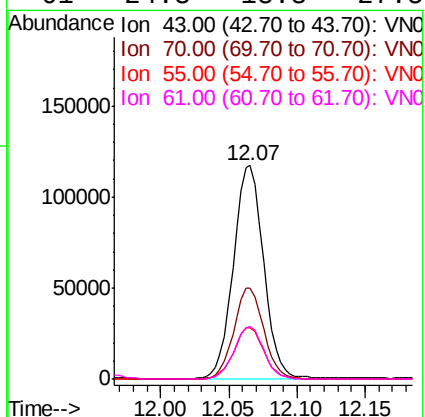
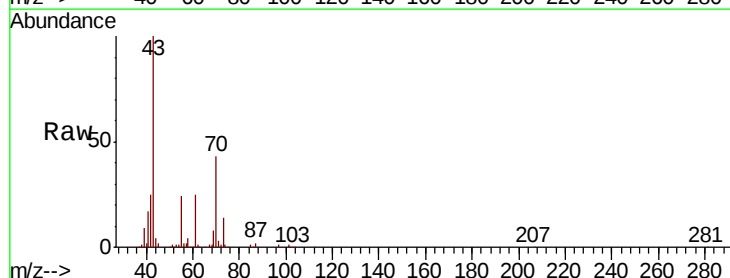
Ion Ratio Lower Upper

43 100

70 42.6 31.3 46.9

55 24.2 19.8 29.6

61 24.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.027 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

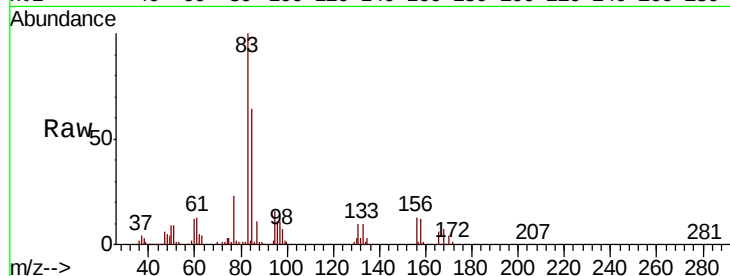
Tot Ion: 83 Resp: 144951

Ion Ratio Lower Upper

83 100

131 10.5 5.0 14.9

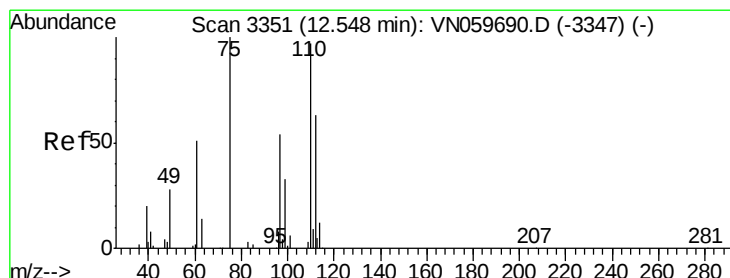
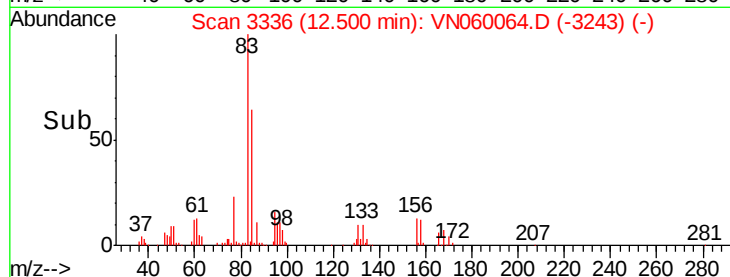
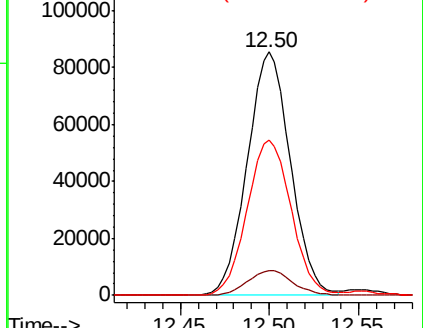
85 65.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN

Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 83.372 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060064.D

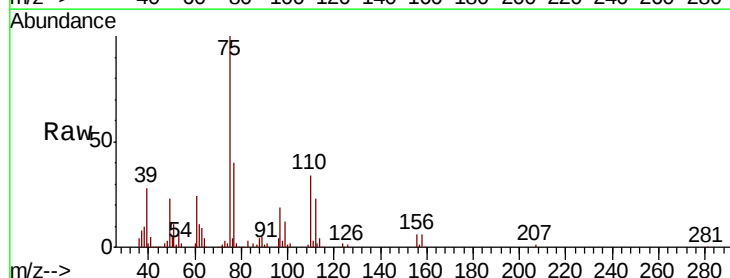
Acq: 11 Feb 2020 16:04

Tgt Ion: 75 Resp: 187462

Ion Ratio Lower Upper

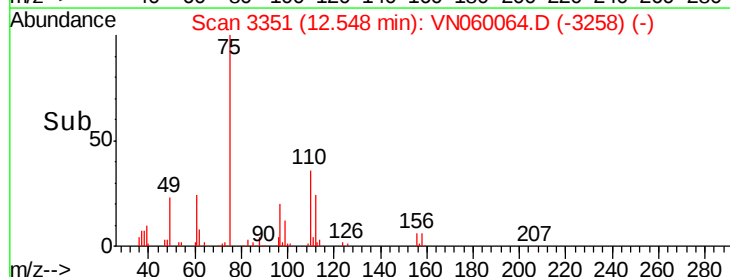
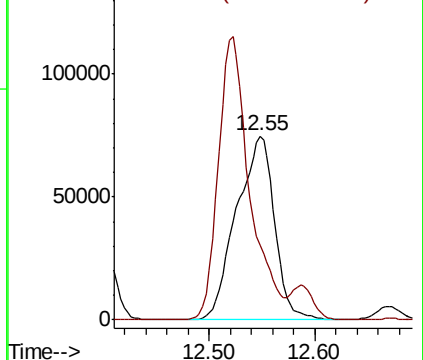
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.584 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

ClientSampled :

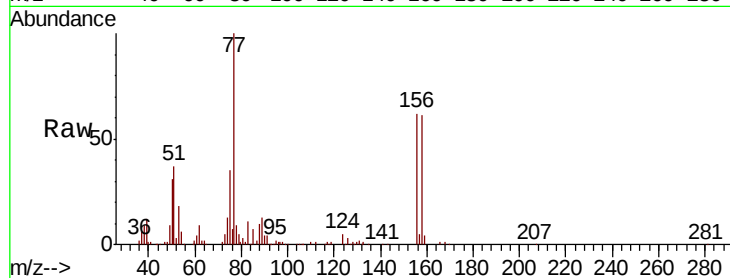
Tot Ion:156 Resp: 120559

Ion Ratio Lower Upper

156 100

77 196.2 115.8 347.4

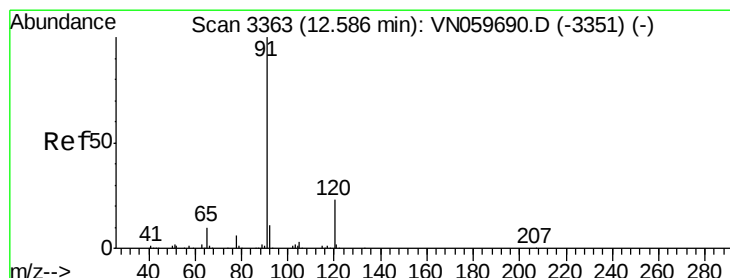
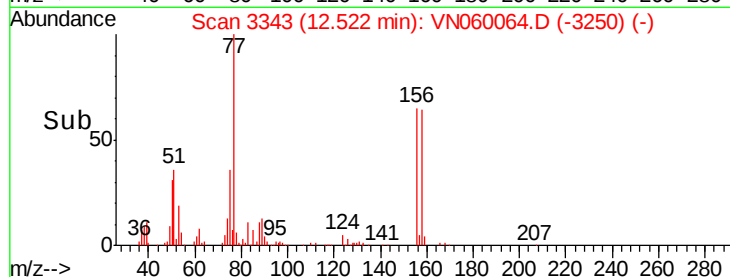
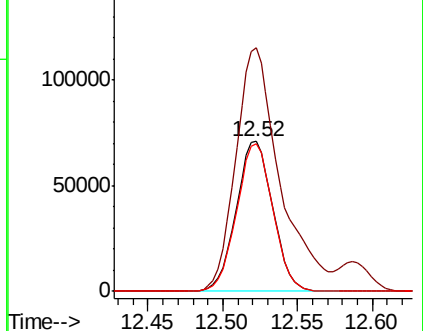
158 97.9 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.264 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060064.D

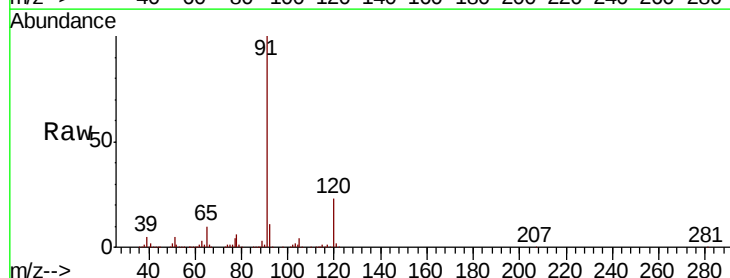
Acq: 11 Feb 2020 16:04

Tgt Ion: 91 Resp: 541811

Ion Ratio Lower Upper

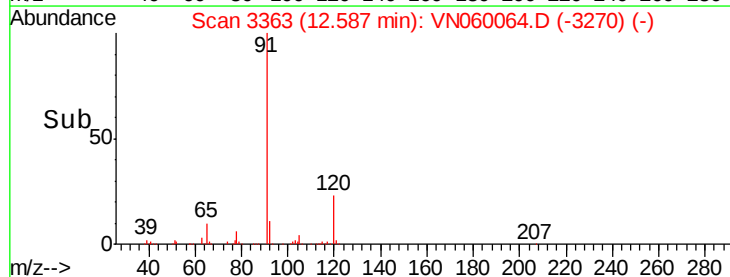
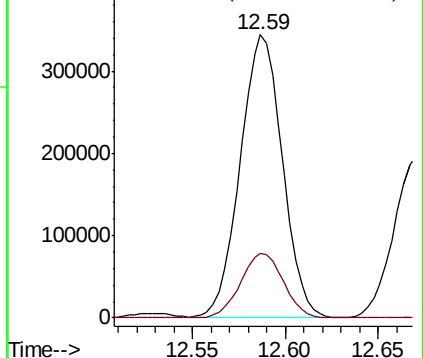
91 100

120 23.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

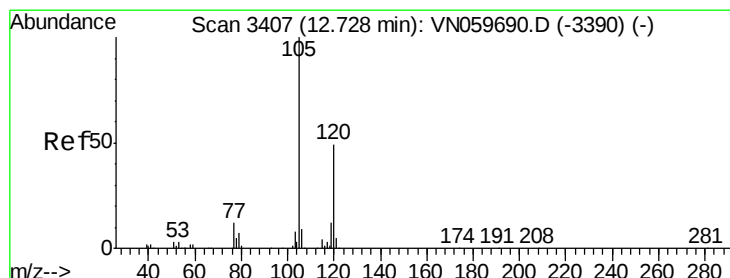
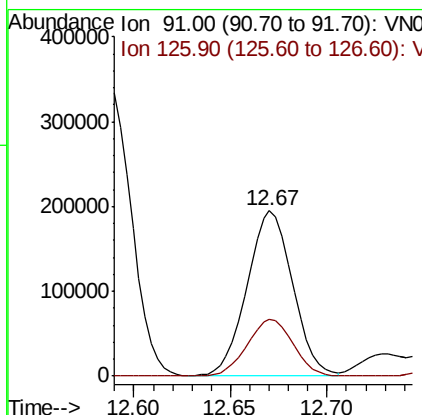
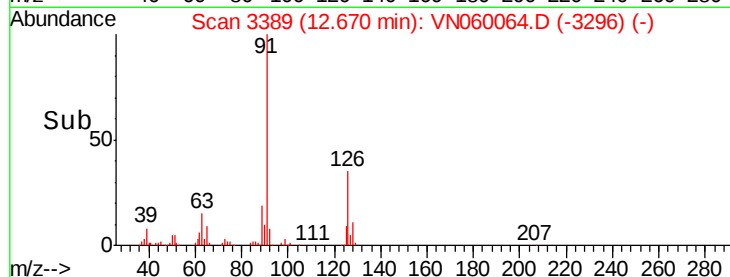
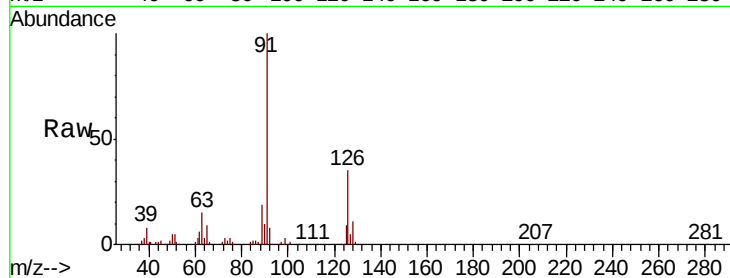




#79
 2-Chlorotoluene
 Concen: 48.683 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

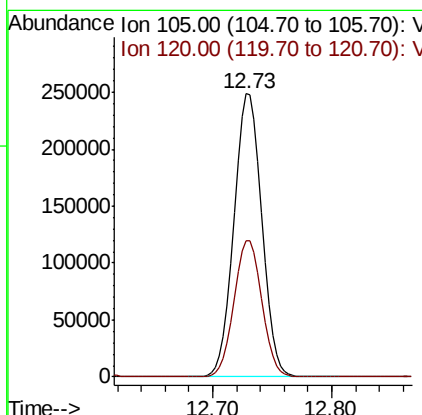
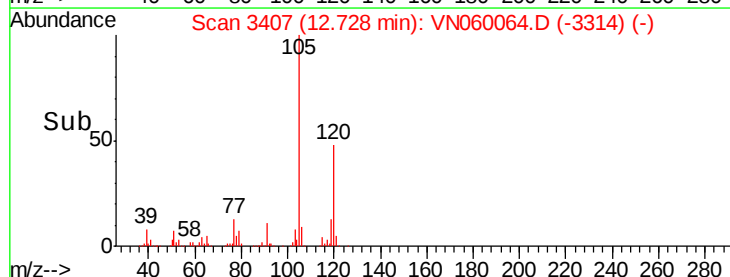
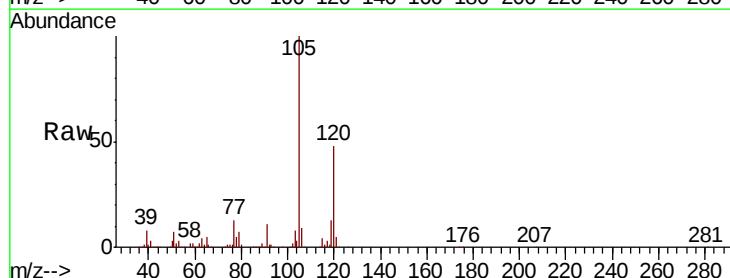
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 318522
 Ion Ratio Lower Upper
 91 100
 126 34.9 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 48.927 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Tgt Ion: 105 Resp: 403197
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.209 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

ClientSampled :

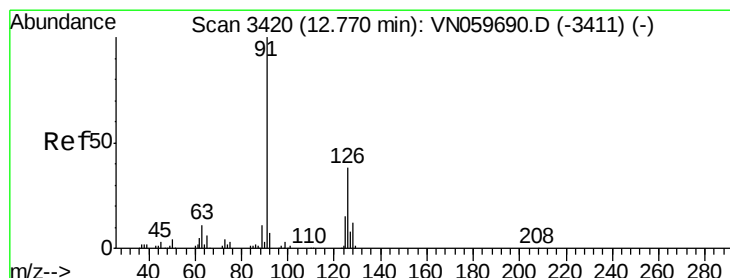
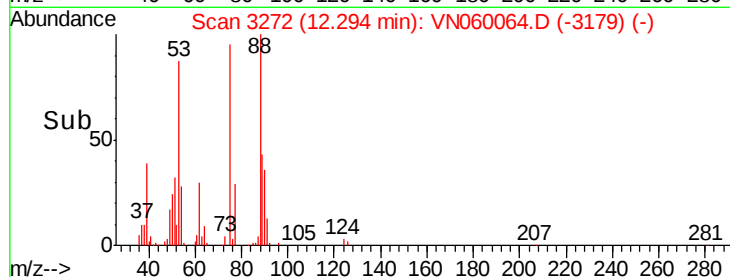
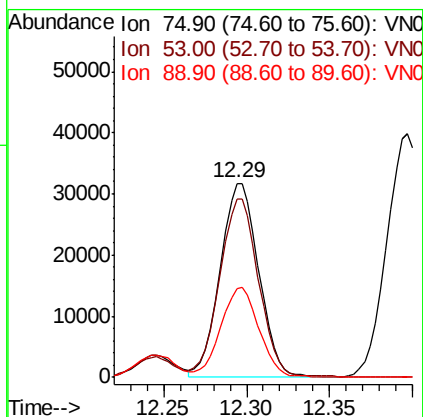
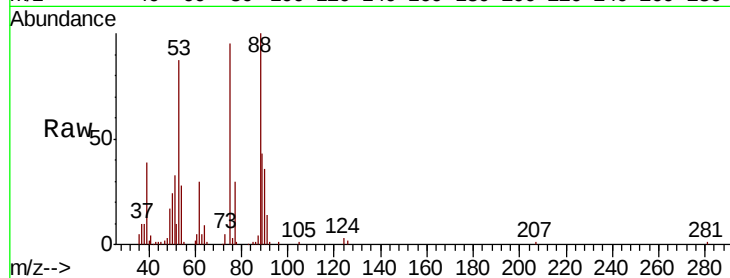
Tot Ion: 75 Resp: 51523

Ion Ratio Lower Upper

75 100

53 92.7 78.1 117.1

89 45.9 35.4 53.2



#82

4-Chlorotoluene

Concen: 50.692 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060064.D

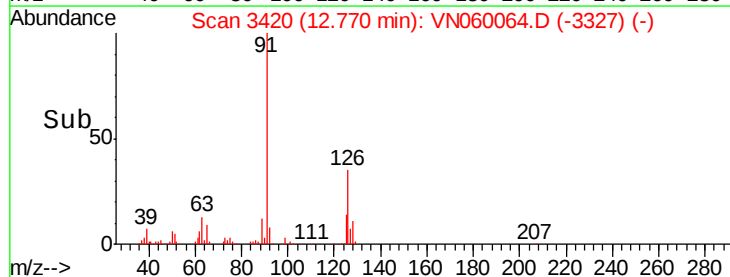
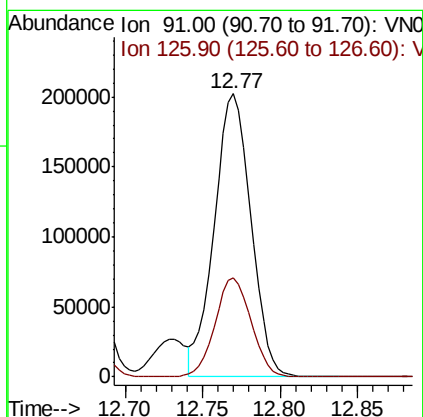
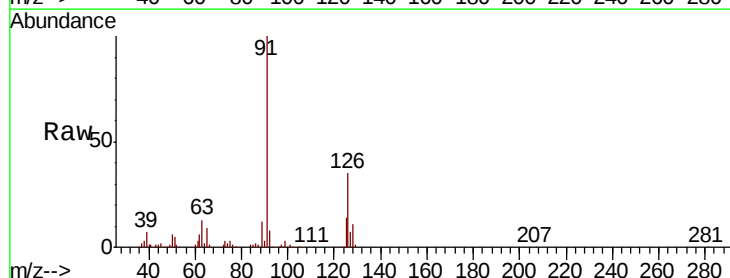
Acq: 11 Feb 2020 16:04

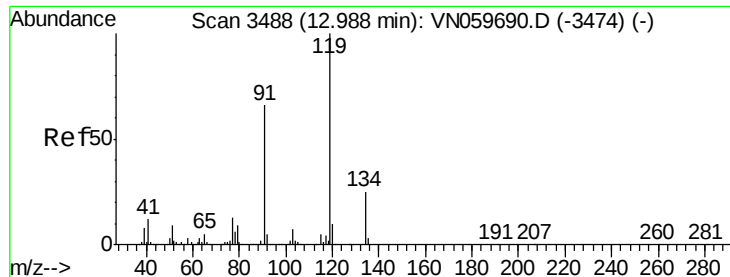
Tgt Ion: 91 Resp: 332670

Ion Ratio Lower Upper

91 100

126 34.5 16.3 48.8

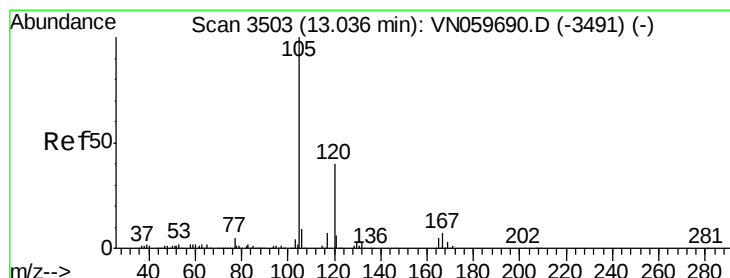
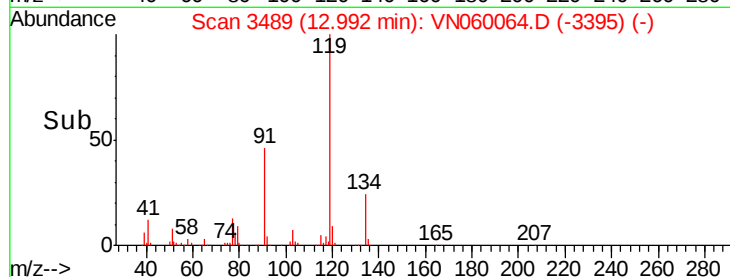
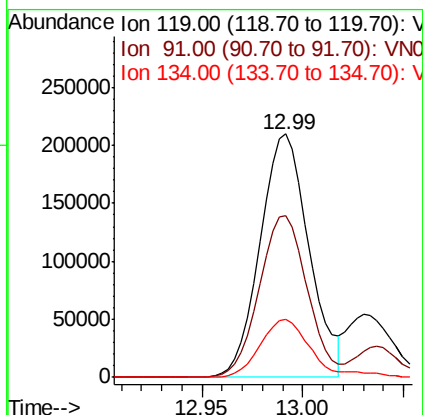
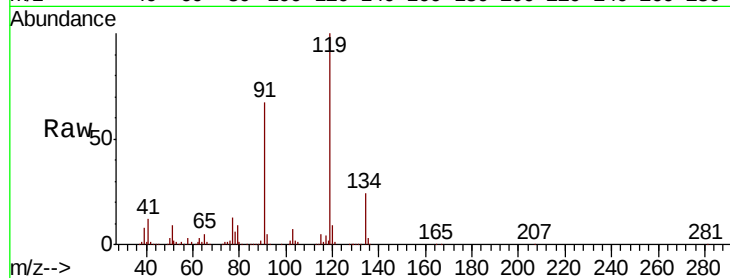




#83
 tert-Butylbenzene
 Concen: 49.728 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

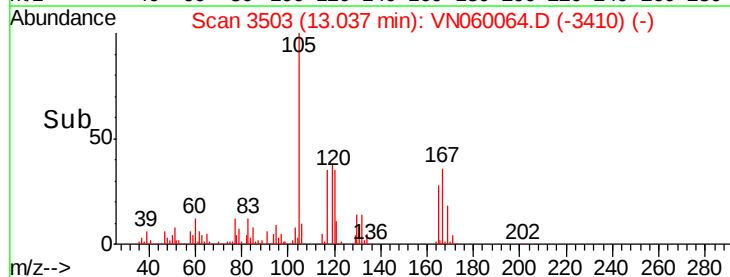
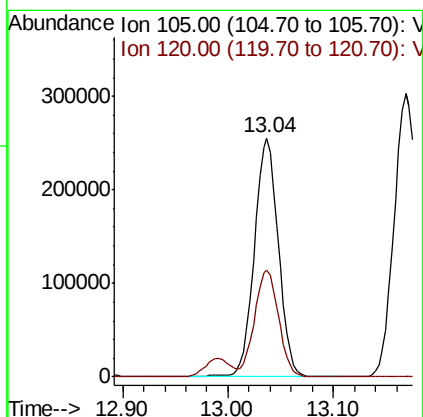
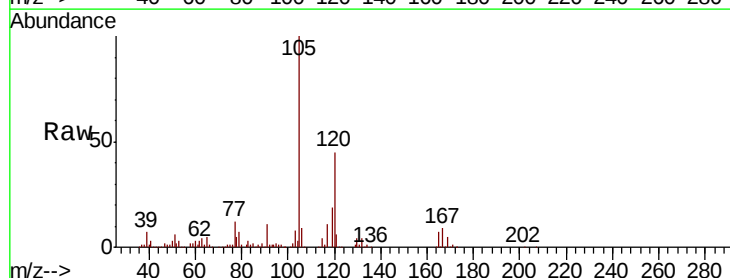
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 354424
 Ion Ratio Lower Upper
 119 100
 91 65.0 34.8 104.4
 134 25.0 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.916 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Tgt Ion:105 Resp: 406949
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.3 66.9

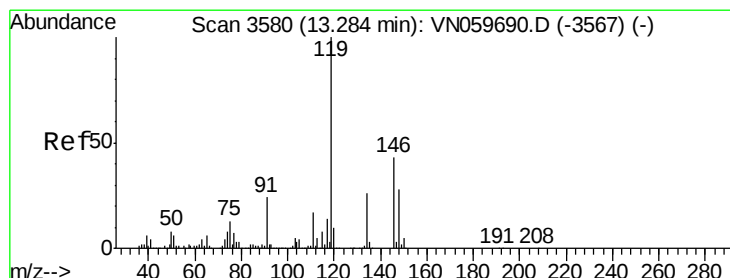
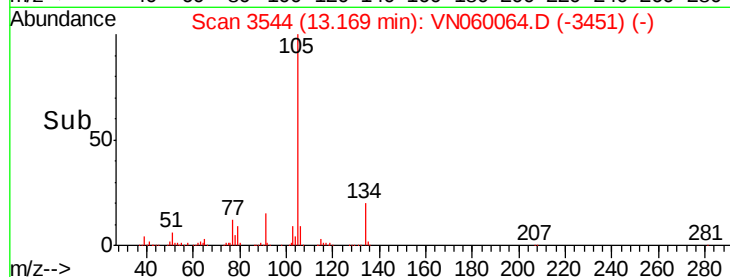
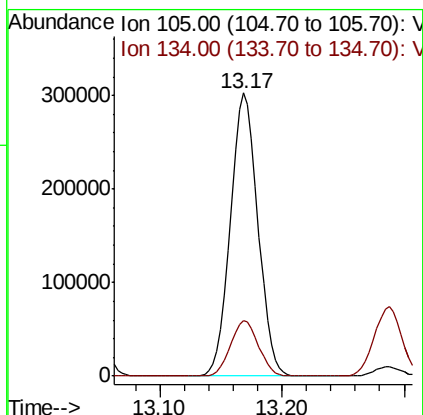
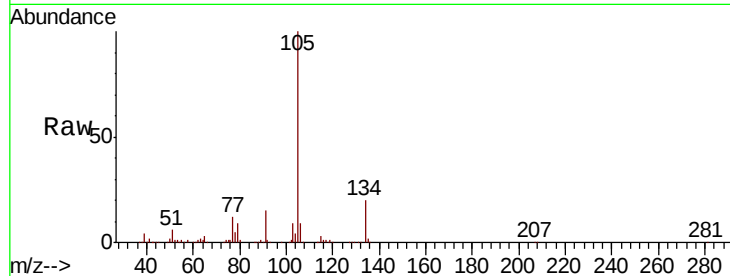




#85
 sec-Butylbenzene
 Concen: 50.765 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

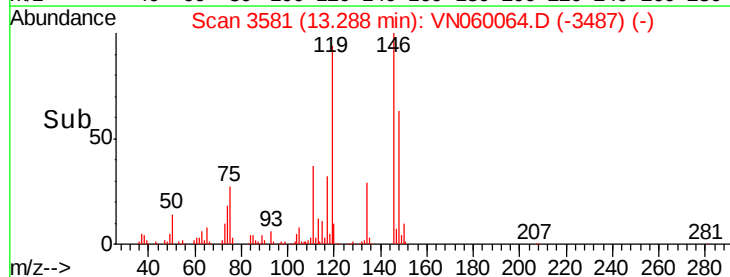
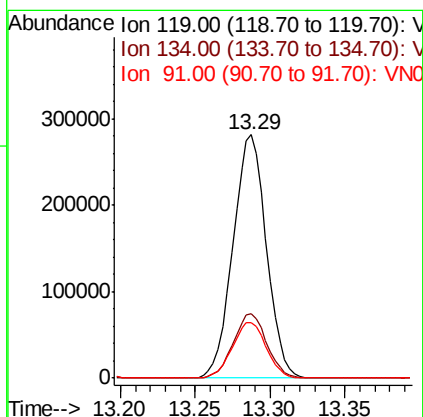
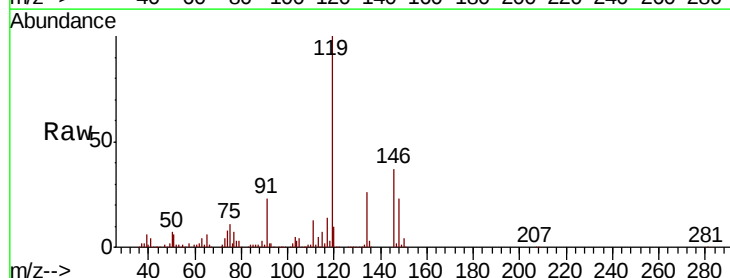
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:105 Resp: 475373
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 50.188 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Tgt Ion:119 Resp: 434859
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.9 38.7
 91 23.6 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 50.856 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

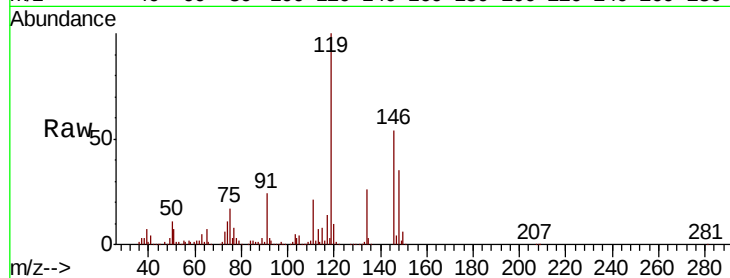
Tot Ion:146 Resp: 219207

Ion Ratio Lower Upper

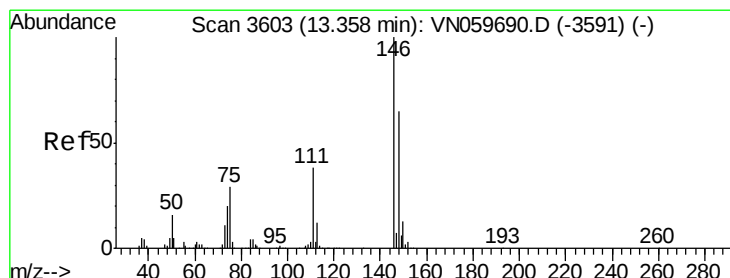
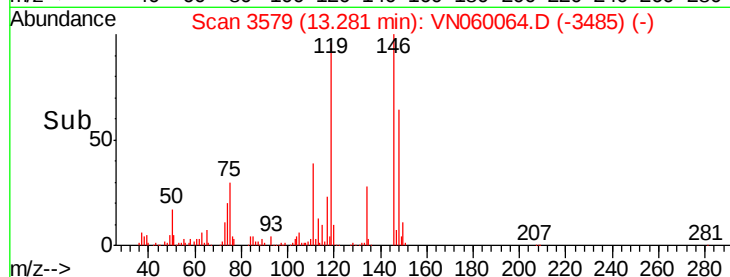
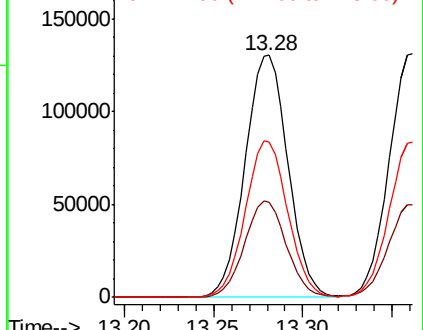
146 100

111 39.1 20.8 62.2

148 63.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.448 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

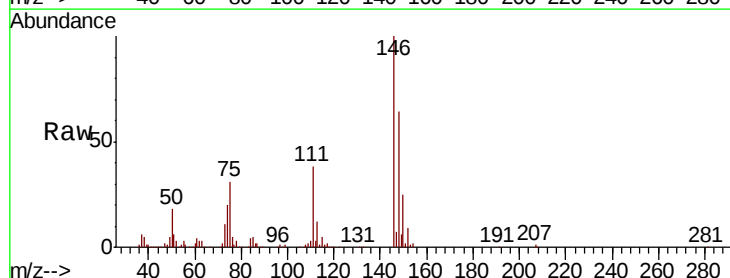
Tgt Ion:146 Resp: 216930

Ion Ratio Lower Upper

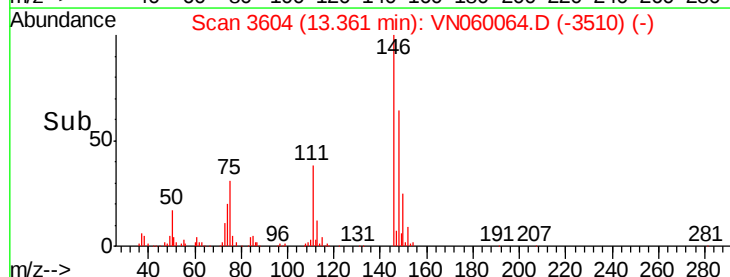
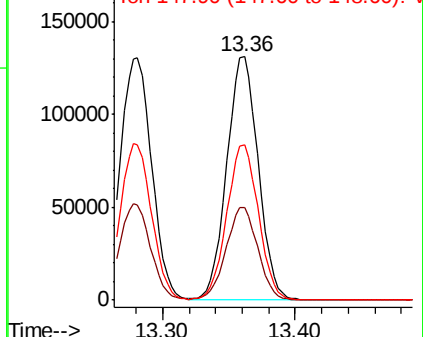
146 100

111 38.6 20.8 62.2

148 64.3 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

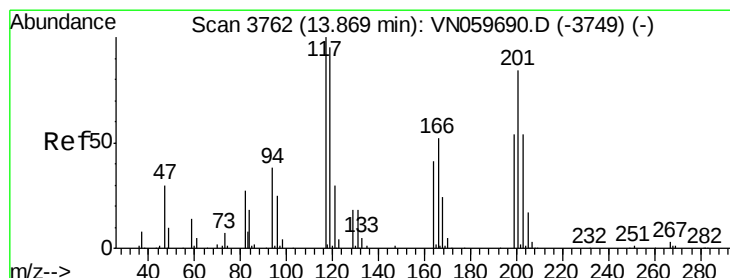
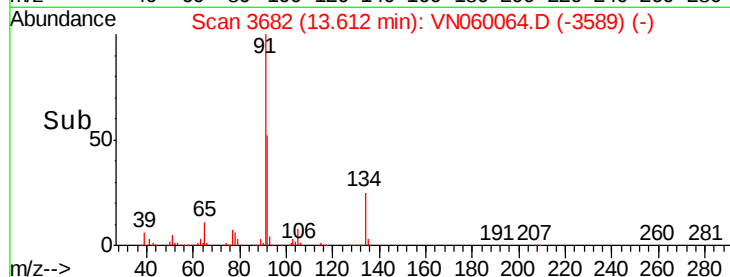
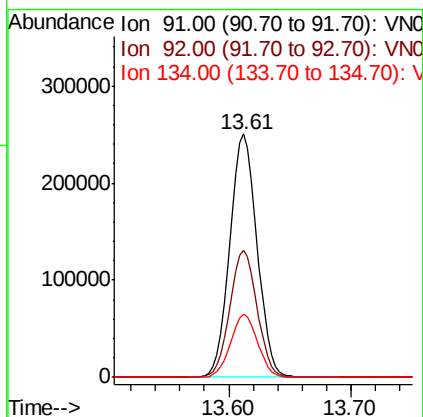
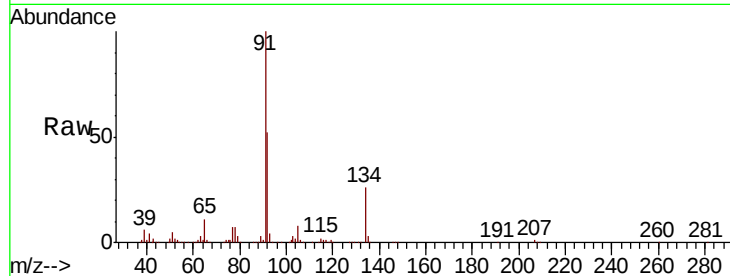




#89
n-Butylbenzene
Concen: 52.860 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

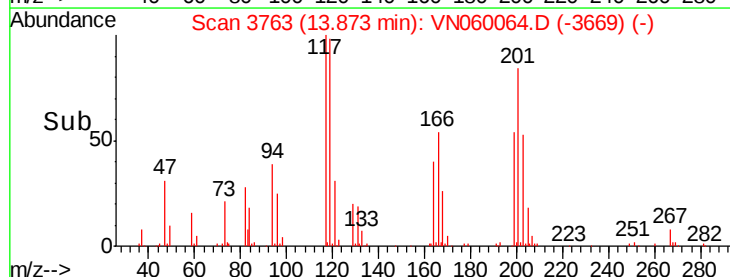
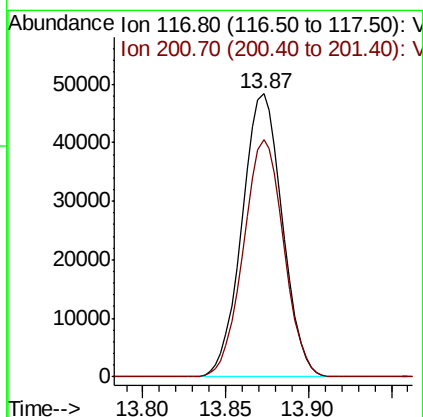
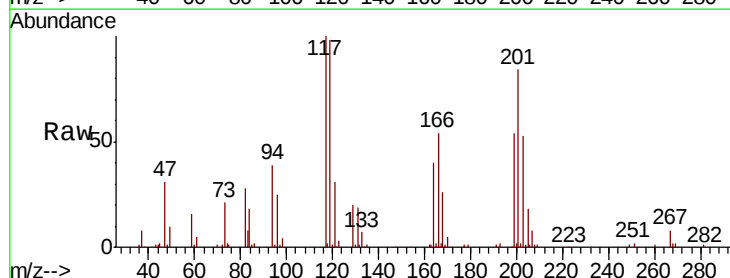
Instrument :
MSVOA_N
ClientSampleId :

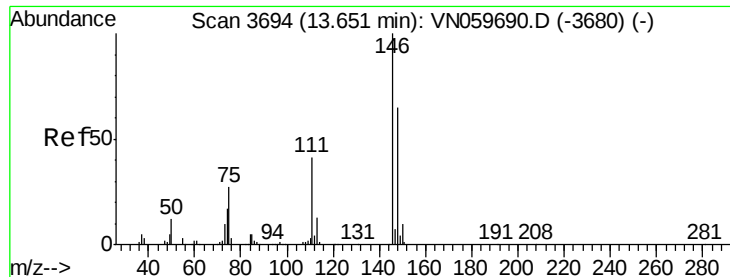
Tot Ion: 91 Resp: 390521
Ion Ratio Lower Upper
91 100
92 52.2 25.9 77.7
134 25.8 12.3 36.8



#90
Hexachloroethane
Concen: 50.600 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion: 117 Resp: 82029
Ion Ratio Lower Upper
117 100
201 83.9 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 50.299 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060064.D

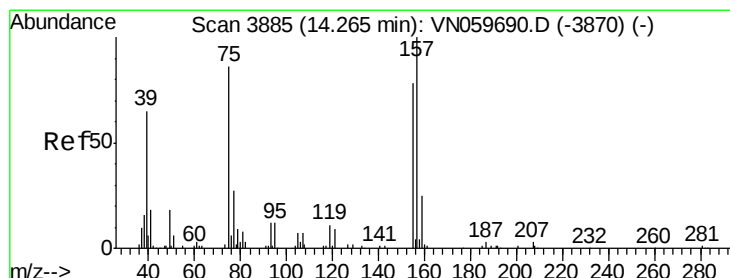
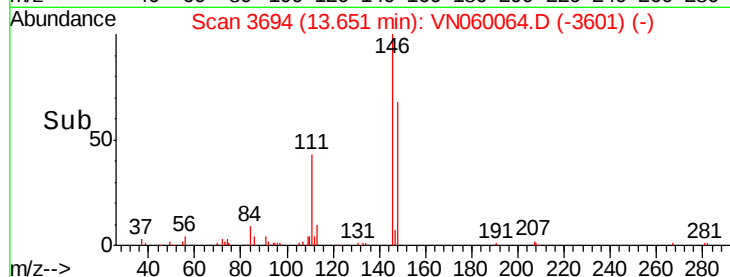
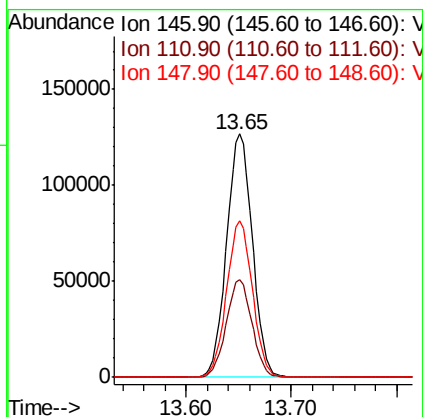
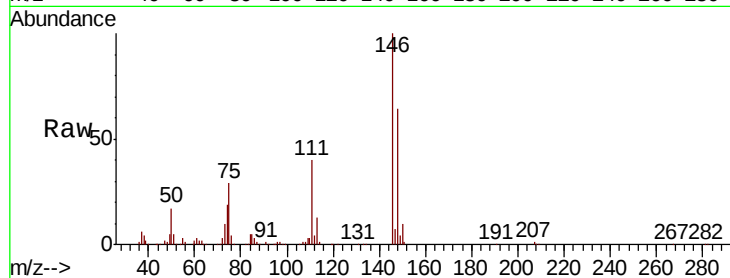
Acq: 11 Feb 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	214339
Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.6	64.8
148	64.1	31.6	95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.809 ug/l

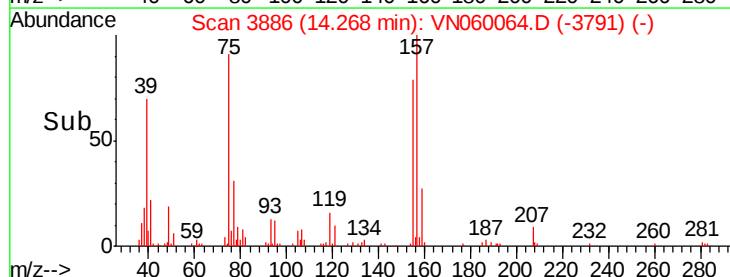
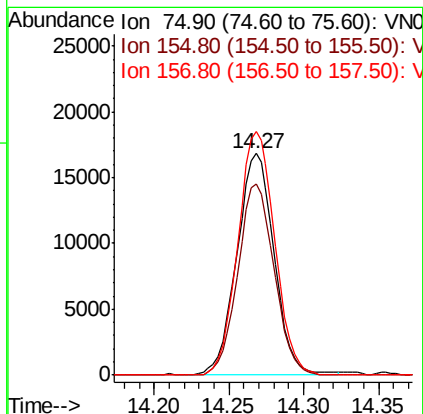
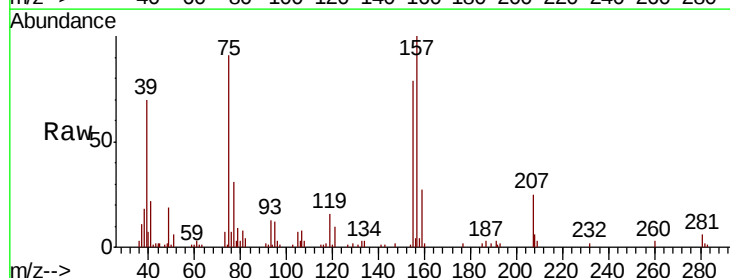
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060064.D

Acq: 11 Feb 2020 16:04

Tgt Ion:	75	Resp:	29206
Ion	Ratio	Lower	Upper
75	100		
155	84.1	37.0	110.9
157	108.1	48.4	145.2

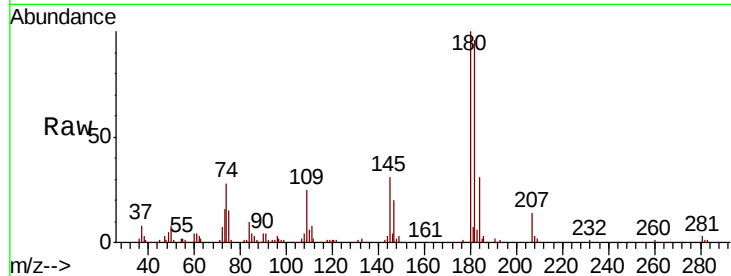




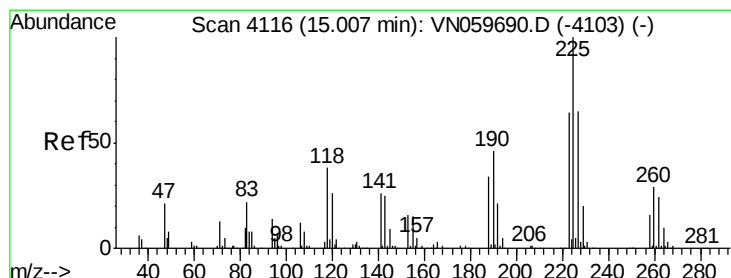
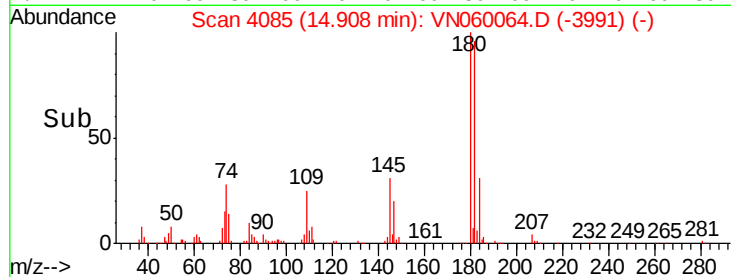
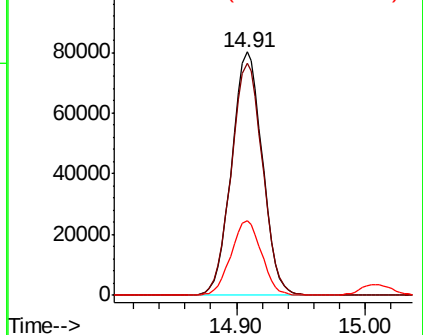
#93
 1,2,4-Trichlorobenzene
 Concen: 51.914 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	46.9	140.7
145	30.4	15.0	45.1

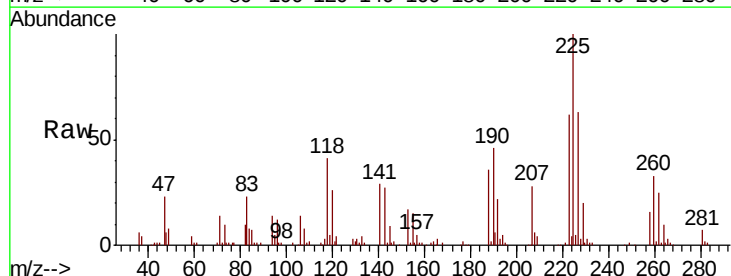


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

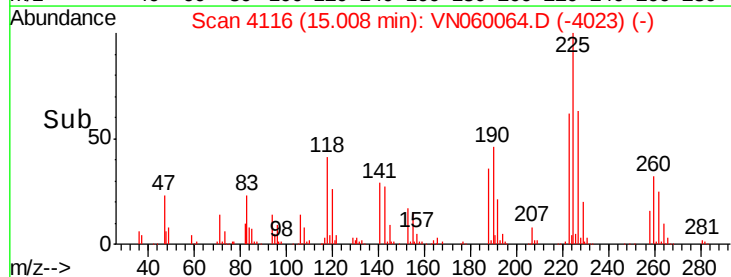
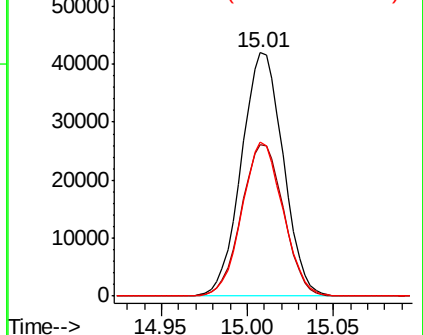


#94
 Hexachlorobutadiene
 Concen: 50.279 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060064.D
 Acq: 11 Feb 2020 16:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.8	95.3
227	62.1	32.1	96.5



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

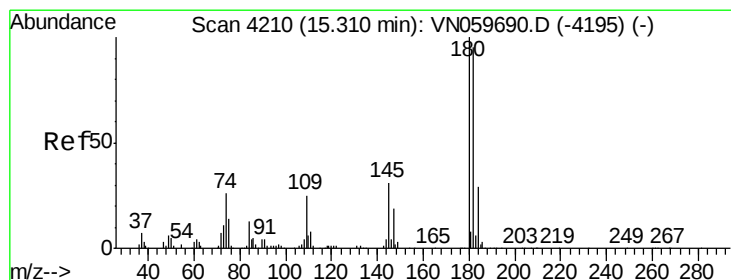
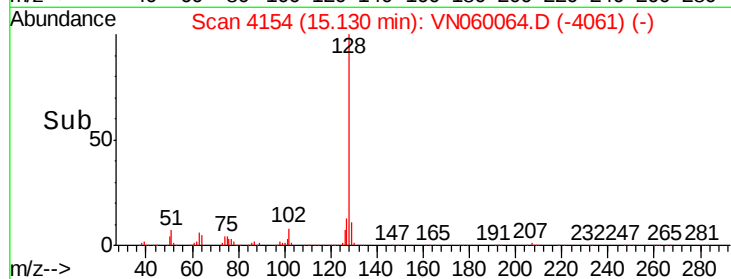
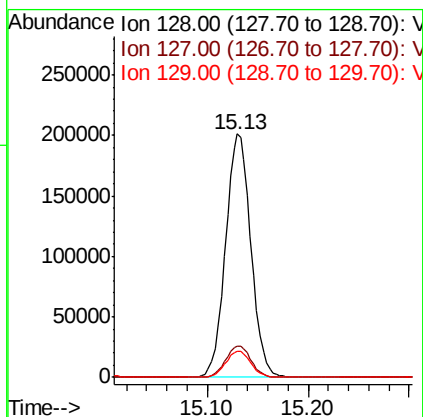
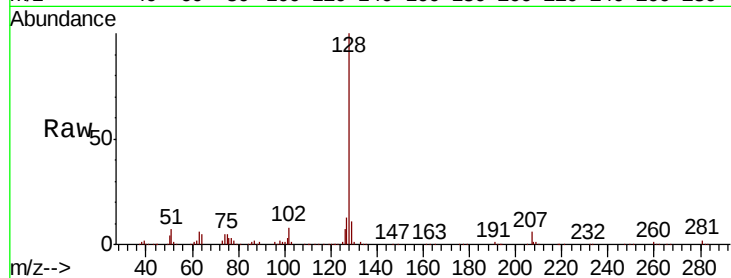




#95
Naphthalene
Concen: 48.293 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 351726
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.341 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060064.D
Acq: 11 Feb 2020 16:04

Tgt Ion:180 Resp: 127959
Ion Ratio Lower Upper
180 100
182 95.6 47.4 142.3
145 32.1 16.3 48.9

