

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060562.D
 Acq On : 17 Mar 2020 17:42
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Mar 18 08:04:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	221225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	373470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	330556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140835	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	3178	1.09	ug/l	0.00
Spiked Amount			Recovery	=	2.18%	
35) Dibromofluoromethane	7.57	113	2123	1.15	ug/l	0.00
Spiked Amount			Recovery	=	2.30%	
50) Toluene-d8	10.08	98	9556	1.06	ug/l	0.00
Spiked Amount			Recovery	=	2.12%	
62) 4-Bromofluorobenzene	12.40	95	4654	1.38	ug/l	0.00
Spiked Amount			Recovery	=	2.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1938	0.936	ug/l	98
3) Chloromethane	2.03	50	4098	1.126	ug/l	98
4) Vinyl Chloride	2.16	62	3059	0.996	ug/l #	88
5) Bromomethane	2.55	94	1366	1.006	ug/l	99
6) Chloroethane	2.69	64	1649	0.974	ug/l	96
7) Trichlorofluoromethane	3.00	101	3706	0.950	ug/l	94
8) Diethyl Ether	3.39	74	1419	0.954	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2111	0.954	ug/l #	81
10) Methyl Iodide	3.92	142	1569	0.787	ug/l #	89
11) Tert butyl alcohol	4.73	59	2030	4.779	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	2488	1.051	ug/l	87
13) Acrolein	3.59	56	1920	4.700	ug/l	89
14) Allyl chloride	4.30	41	4131	1.045	ug/l #	87
15) Acrylonitrile	4.95	53	2129	1.861	ug/l #	31
16) Acetone	3.79	43	5282	5.584	ug/l	100
17) Carbon Disulfide	4.03	76	7243	1.056	ug/l	99
18) Methyl Acetate	4.30	43	2877	0.928	ug/l #	72
19) Methyl tert-butyl Ether	5.00	73	8306	1.062	ug/l	98
20) Methylene Chloride	4.52	84	2503	0.976	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	2500	0.933	ug/l	94
22) Diisopropyl ether	5.92	45	8202	1.006	ug/l #	82
23) Vinyl Acetate	5.86	43	32321	4.983	ug/l	100
24) 1,1-Dichloroethane	5.82	63	4526	0.988	ug/l #	85
25) 2-Butanone	6.81	43	7771	5.088	ug/l	95
26) 2,2-Dichloropropane	6.80	77	3834	0.944	ug/l	91
27) cis-1,2-Dichloroethene	6.80	96	2865	0.969	ug/l	96
28) Bromochloromethane	7.17	49	2152	1.100	ug/l #	97
29) Tetrahydrofuran	7.18	42	5814	5.457	ug/l	96
30) Chloroform	7.35	83	4492	0.992	ug/l	91
31) Cyclohexane	7.64	56	8540	1.969	ug/l #	28
32) 1,1,1-Trichloroethane	7.55	97	3685	0.920	ug/l #	52
36) 1,1-Dichloropropene	7.77	75	3343	0.923	ug/l	95
37) Ethyl Acetate	6.90	43	1073	0.311	ug/l #	87
38) Carbon Tetrachloride	7.76	117	2794	0.807	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	4040	0.947	ug/l	92
40) Benzene	8.02	78	10662	1.013	ug/l	99
41) Methacrylonitrile	7.14	41	1101	0.701	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	3519	0.937	ug/l	86
43) Isopropyl Acetate	8.14	43	5976	0.995	ug/l	98
44) Trichloroethene	8.82	130	2559	0.883	ug/l	92
45) 1,2-Dichloropropane	9.10	63	2693	0.980	ug/l	97
46) Dibromomethane	9.19	93	1539	0.870	ug/l	93
47) Bromodichloromethane	9.39	83	3217	0.895	ug/l #	97
48) Methyl methacrylate	9.18	41	2669	0.975	ug/l #	83
49) 1,4-Dioxane	9.18	88	506	13.338	ug/l #	65
51) 4-Methyl-2-Pentanone	9.97	43	16305	4.777	ug/l	98
52) Toluene	10.14	92	6100	0.928	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	3697	0.840	ug/l	91
54) cis-1,3-Dichloropropene	9.82	75	4271	0.934	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	2481	0.943	ug/l	92
56) Ethyl methacrylate	10.42	69	3091	0.810	ug/l	91
57) 1,3-Dichloropropane	10.70	76	3887	0.901	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	8516	4.288	ug/l	98
59) 2-Hexanone	10.74	43	10812	4.319	ug/l	95
60) Dibromochloromethane	10.89	129	2211	0.827	ug/l	96
61) 1,2-Dibromoethane	10.99	107	2164	0.842	ug/l	98
64) Tetrachloroethene	10.62	164	2564	0.877	ug/l	96
65) Chlorobenzene	11.43	112	6452	0.963	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	2190	0.889	ug/l #	61
67) Ethyl Benzene	11.50	91	11401	0.930	ug/l	92
68) m/p-Xylenes	11.62	106	8657	1.872	ug/l	99
69) o-Xylene	11.94	106	3887	0.882	ug/l	91
70) Styrene	11.96	104	6187	0.855	ug/l	96
71) Bromoform	12.12	173	1256	0.703	ug/l #	98
73) Isopropylbenzene	12.25	105	10613	1.008	ug/l	98
74) N-amyl acetate	12.06	43	4869	1.046	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	3190	1.098	ug/l #	98
76) 1,2,3-Trichloropropane	12.55	75	4451	1.446	ug/l #	100
77) Bromobenzene	12.52	156	2582	1.003	ug/l	99
78) n-propylbenzene	12.59	91	12570	1.016	ug/l	98
79) 2-Chlorotoluene	12.67	91	7778	1.067	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	8981	1.012	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	1031	0.910	ug/l	94
82) 4-Chlorotoluene	12.77	91	7496	0.978	ug/l	98
83) tert-Butylbenzene	12.99	119	7287	0.955	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	8625	0.965	ug/l	96
85) sec-Butylbenzene	13.17	105	9829	0.960	ug/l	97
86) p-Isopropyltoluene	13.29	119	8954	0.947	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	4542	0.944	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	4542	0.946	ug/l	96
89) n-Butylbenzene	13.61	91	7849	0.905	ug/l	97
90) Hexachloroethane	13.87	117	1058	0.774	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	4132	0.918	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	951	1.464	ug/l	55

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2360	0.745	ug/l	97
94) Hexachlorobutadiene	15.01	225	1310	0.871	ug/l	98
95) Naphthalene	15.13	128	7347	0.803	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	2653	0.890	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

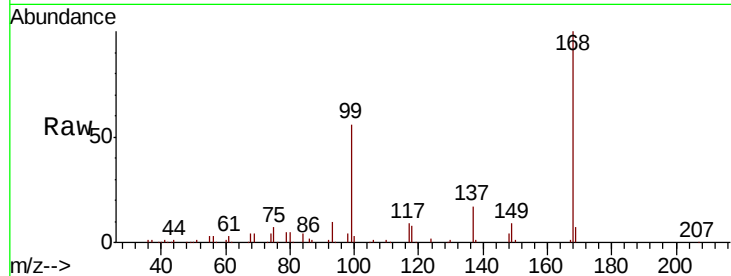
VSTDIC001

Tot Ion:168 Resp: 221225

Ion Ratio Lower Upper

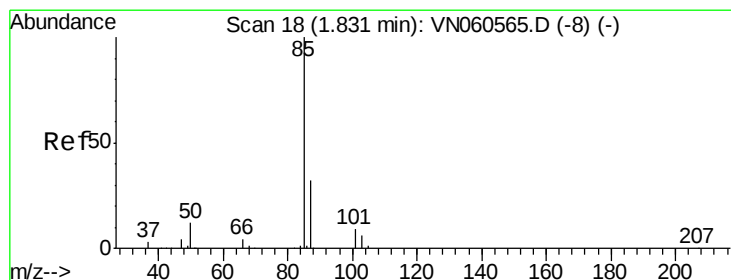
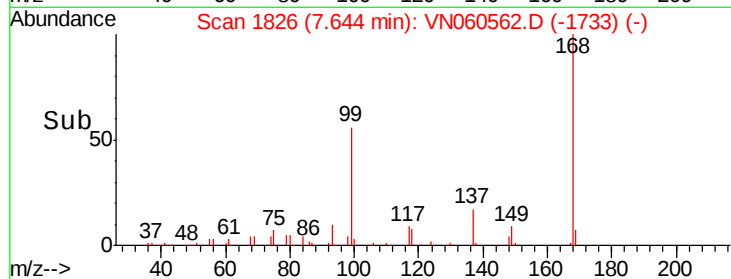
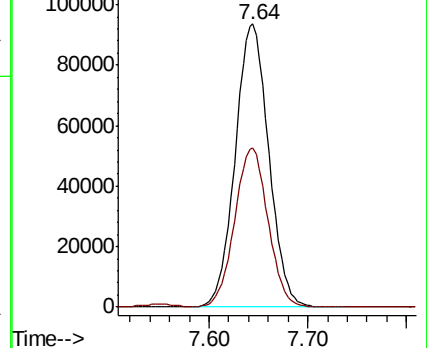
168 100

99 56.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 0.936 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060562.D

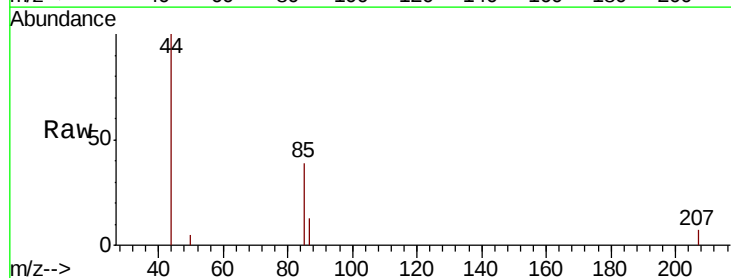
Acq: 17 Mar 2020 17:42

Tgt Ion: 85 Resp: 1938

Ion Ratio Lower Upper

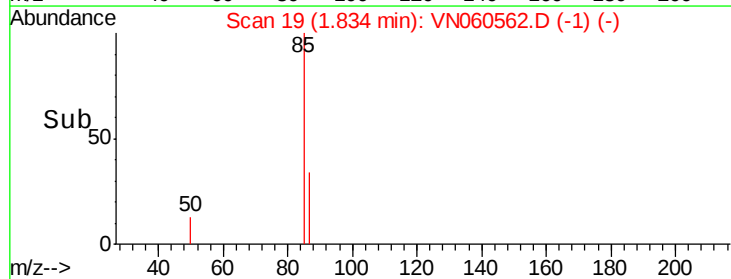
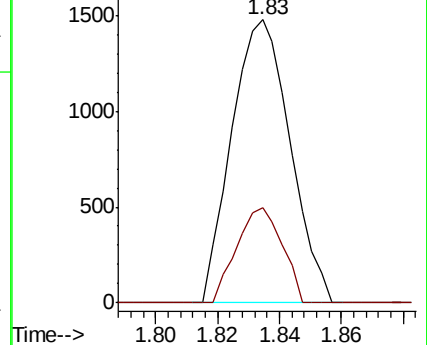
85 100

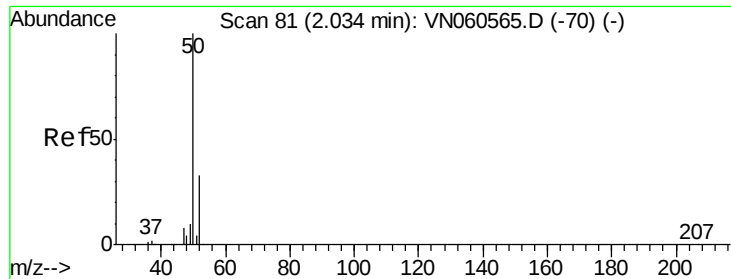
87 33.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 1.126 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

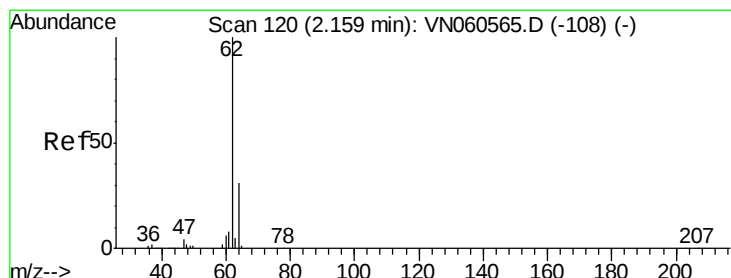
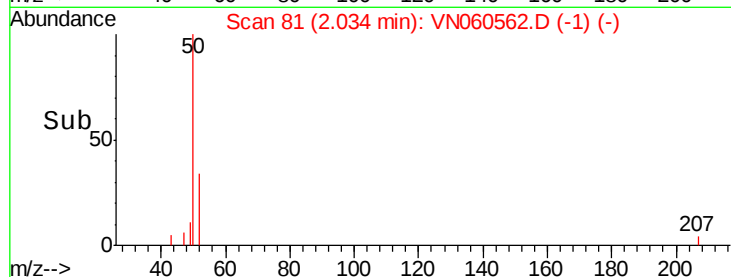
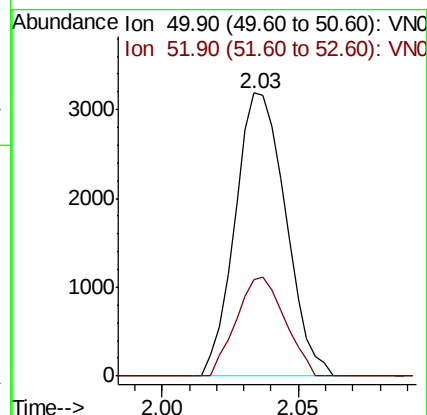
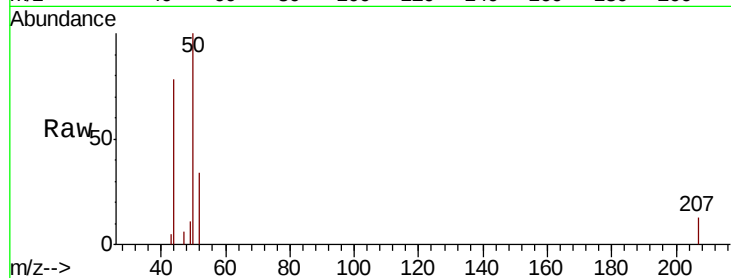
VSTDIC001

Tot Ion: 50 Resp: 4098

Ion Ratio Lower Upper

50 100

52 34.1 26.2 39.2



#4

Vinyl Chloride

Concen: 0.996 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060562.D

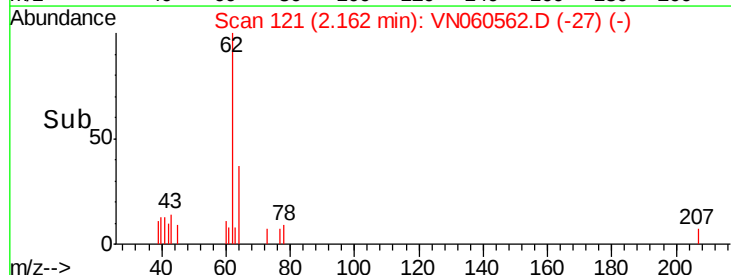
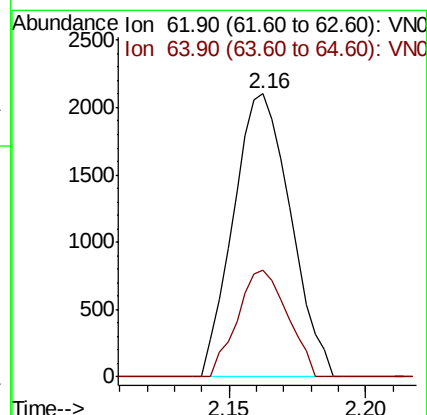
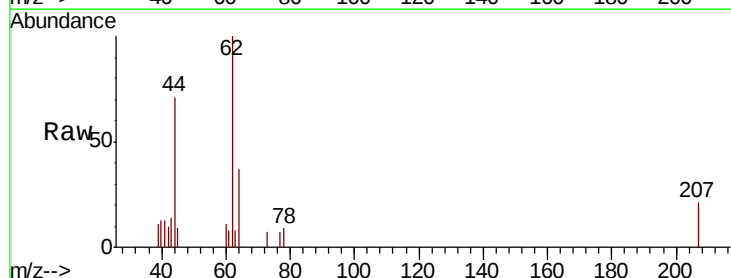
Acq: 17 Mar 2020 17:42

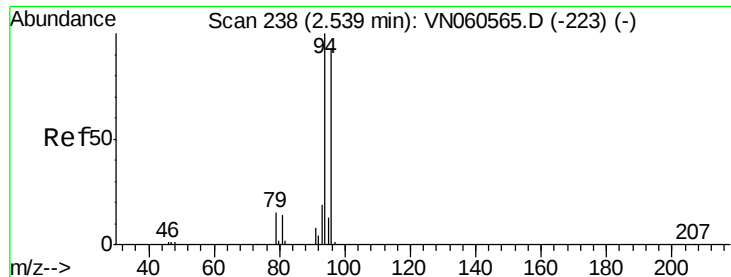
Tgt Ion: 62 Resp: 3059

Ion Ratio Lower Upper

62 100

64 37.5 24.7 37.1#





#5

Bromomethane

Concen: 1.006 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

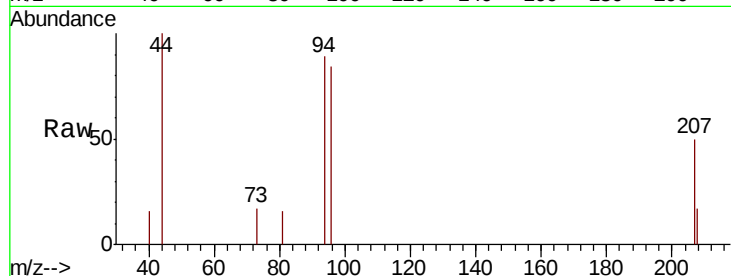
VSTDIC001

Tot Ion: 94 Resp: 1366

Ion Ratio Lower Upper

94 100

96 94.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN060565.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060565.D (-223) (-)

2.55

800

600

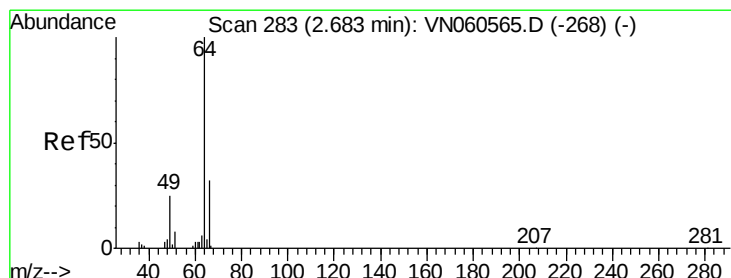
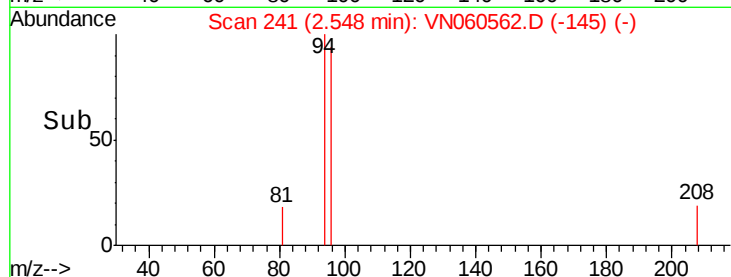
400

200

0

2.50 2.52 2.54 2.56 2.58

Time-->



#6

Chloroethane

Concen: 0.974 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060562.D

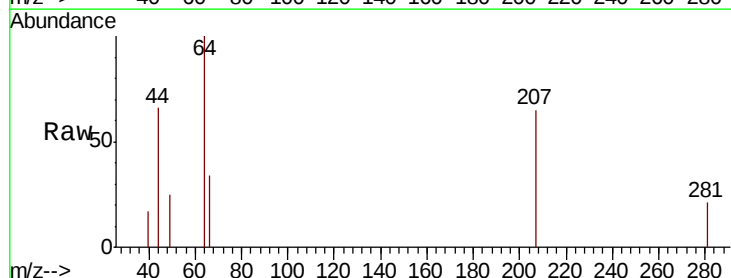
Acq: 17 Mar 2020 17:42

Tgt Ion: 64 Resp: 1649

Ion Ratio Lower Upper

64 100

66 34.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060565.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN060565.D (-268) (-)

2.69

800

600

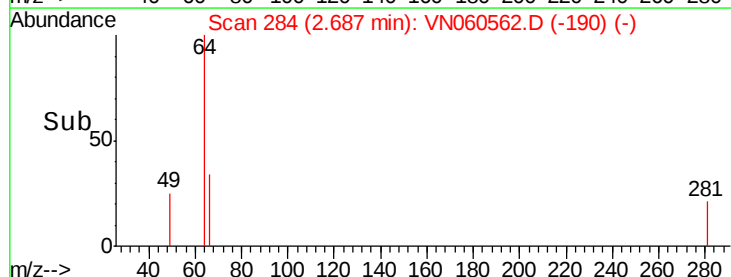
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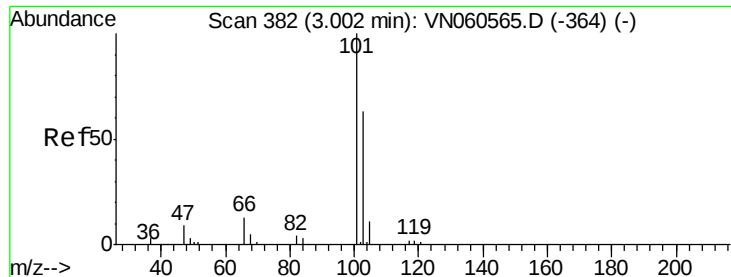
200

0

2.65 2.70

Time-->



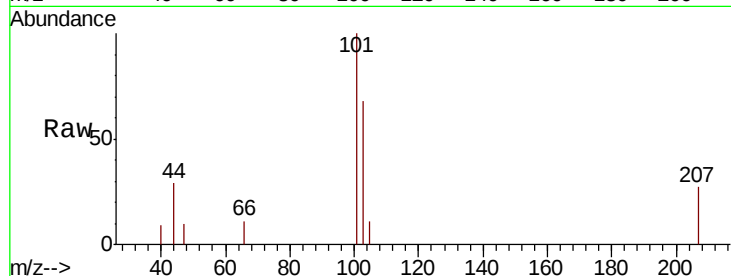


#7

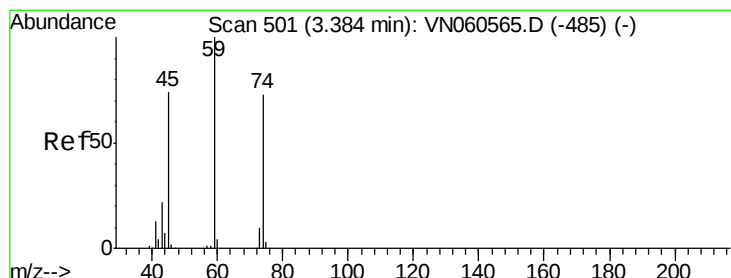
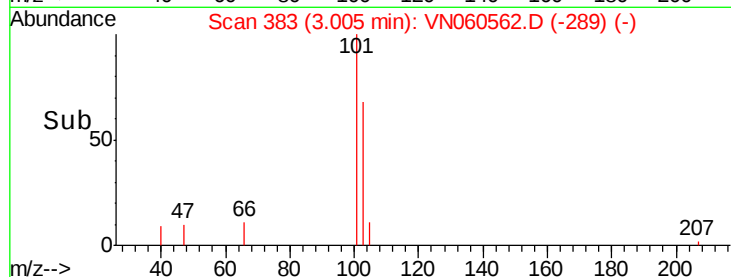
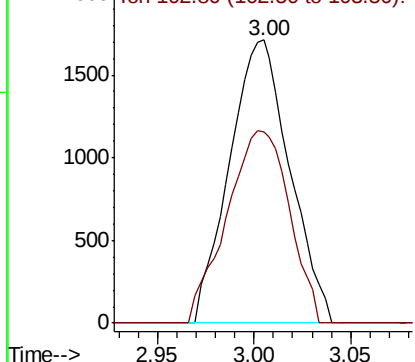
Trichlorofluoromethane
 Concen: 0.950 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Instrument :
 MSVOA_N
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 VSTDIC001

Tot Ion:101 Resp: 3706
 Ion Ratio Lower Upper
 101 100
 103 67.6 50.6 76.0



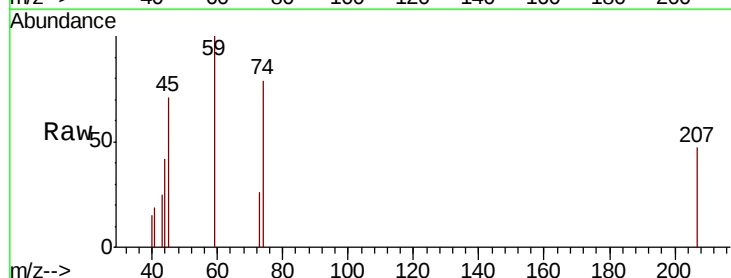
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



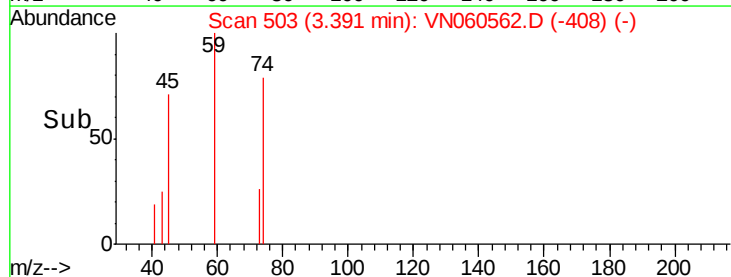
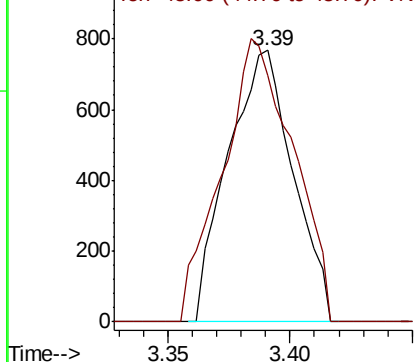
#8

Diethyl Ether
 Concen: 0.954 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion: 74 Resp: 1419
 Ion Ratio Lower Upper
 74 100
 45 114.0 51.3 153.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.954 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

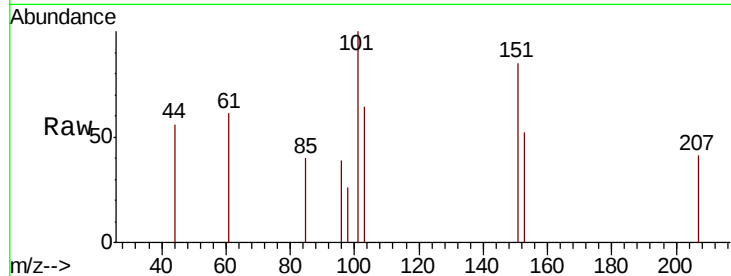
Tot Ion:101 Resp: 2111

Ion Ratio Lower Upper

101 100

85 14.4 35.6 53.4#

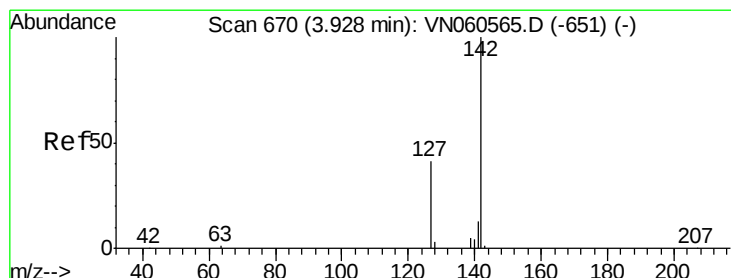
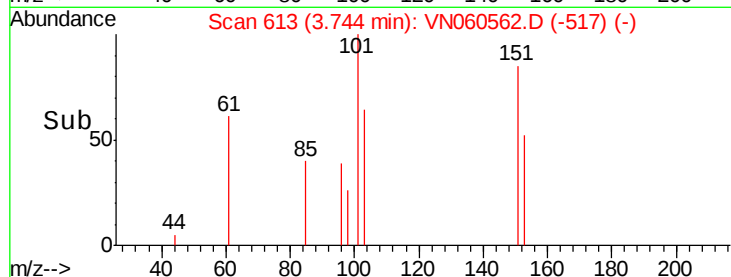
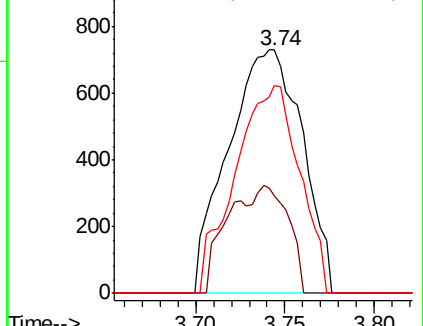
151 74.2 61.4 92.2



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: 0.787 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

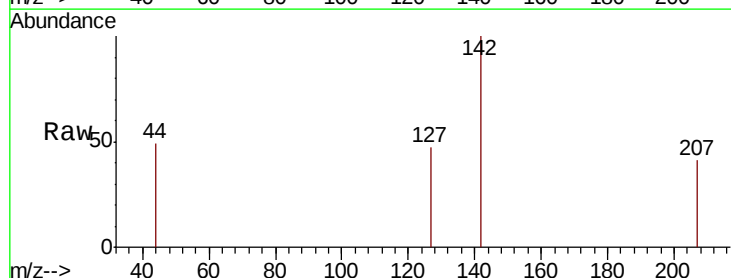
Tgt Ion:142 Resp: 1569

Ion Ratio Lower Upper

142 100

127 40.0 33.5 50.3

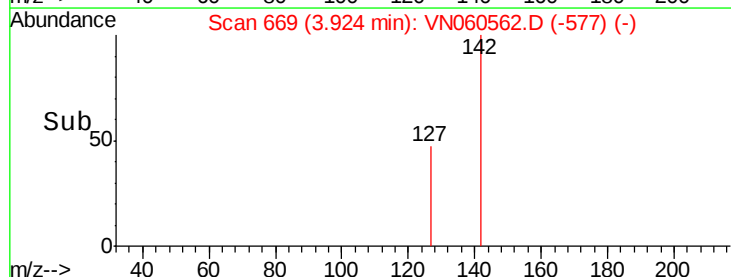
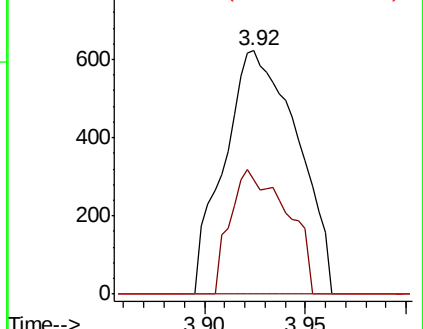
141 0.0 11.0 16.6#

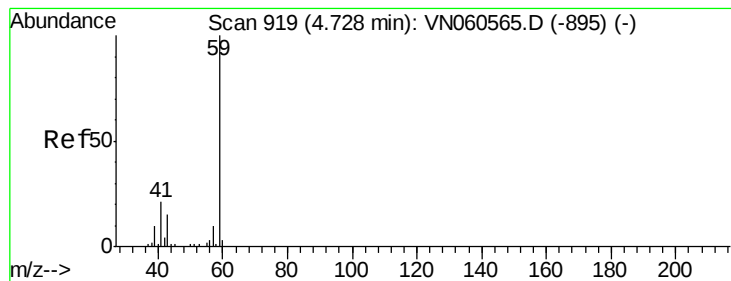


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



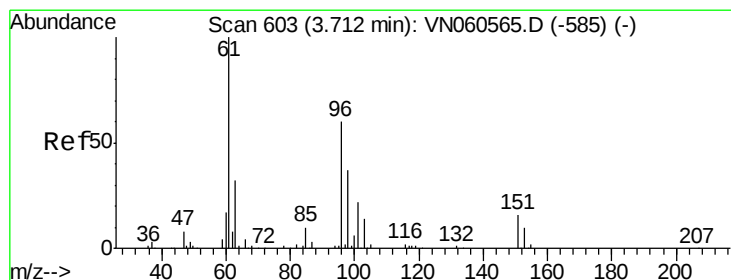
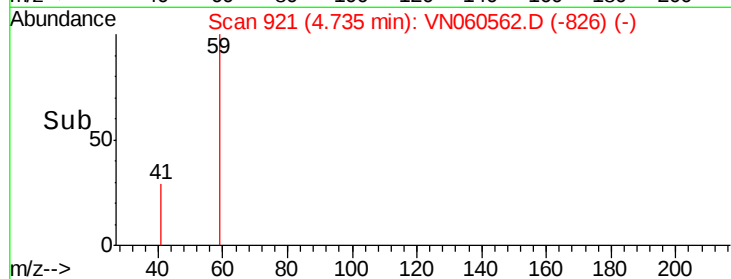
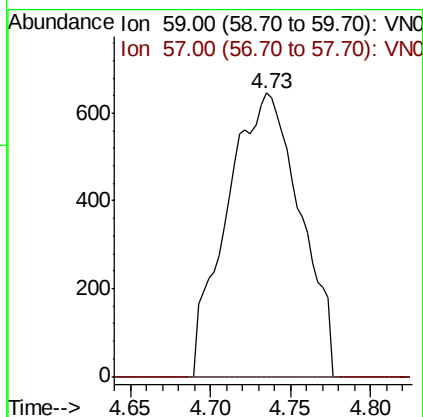
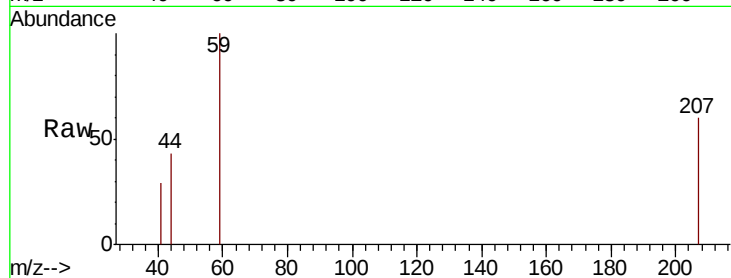


#11

Tert butyl alcohol
 Concen: 4.779 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

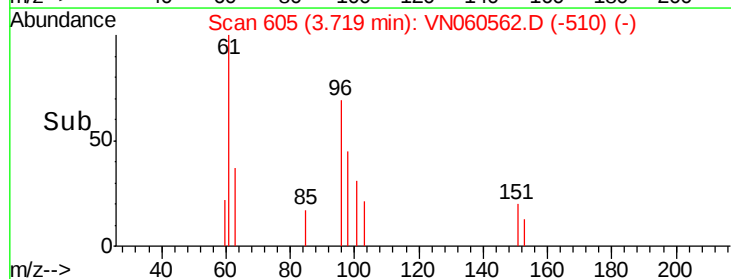
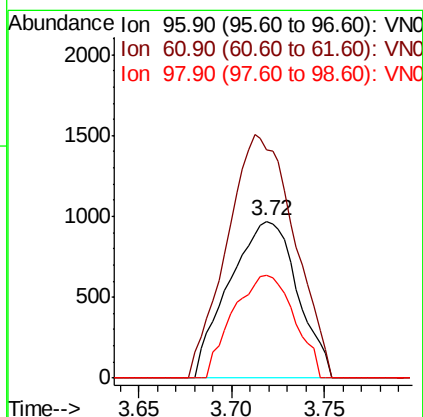
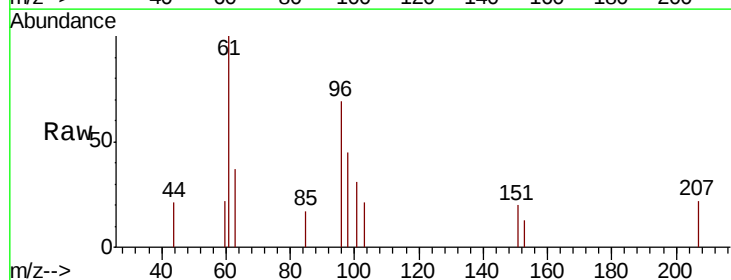
Tot Ion: 59 Resp: 2030
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

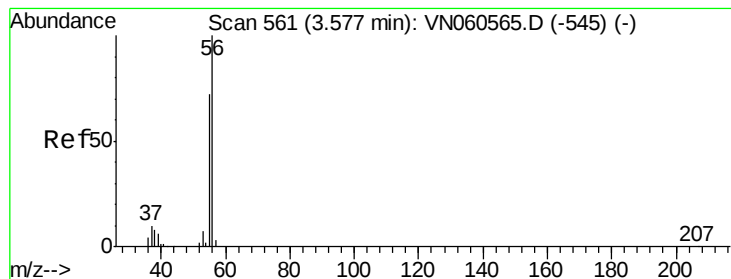


#12

1,1-Dichloroethene
 Concen: 1.051 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion: 96 Resp: 2488
 Ion Ratio Lower Upper
 96 100
 61 145.9 134.1 201.1
 98 65.6 49.9 74.9





#13

Acrolein

Concen: 4.700 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

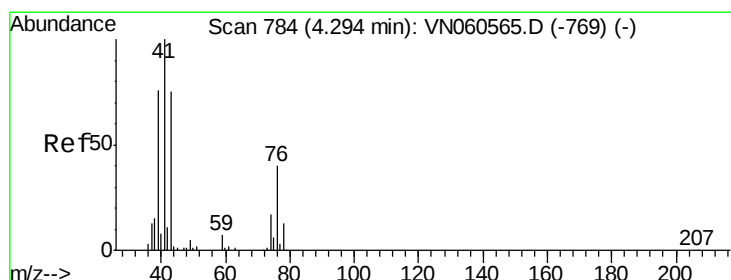
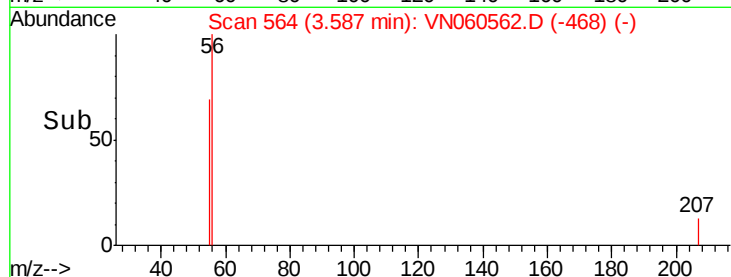
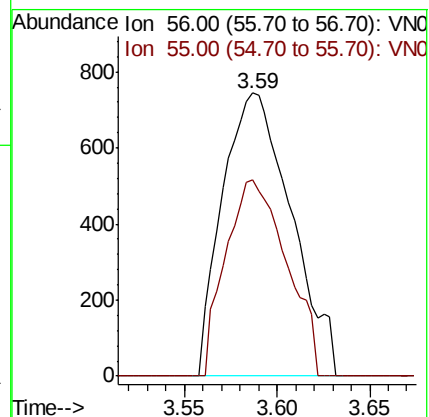
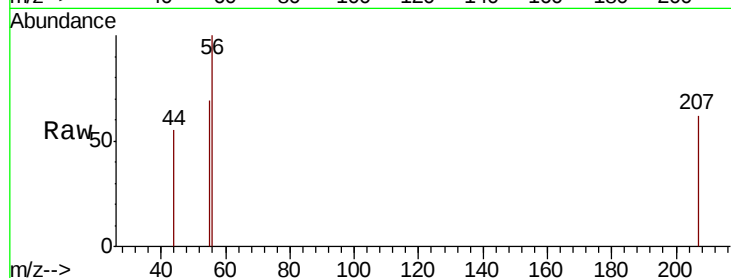
VSTDIC001

Tot Ion: 56 Resp: 1920

Ion Ratio Lower Upper

56 100

55 61.5 56.7 85.1



#14

Allyl chloride

Concen: 1.045 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

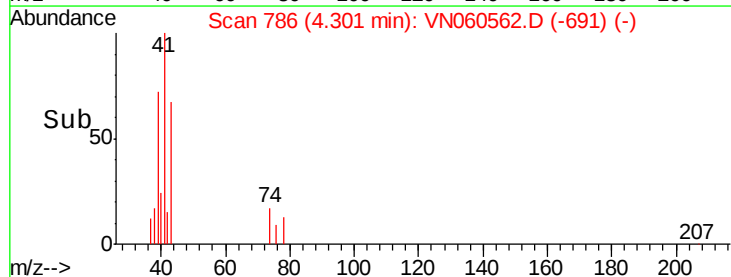
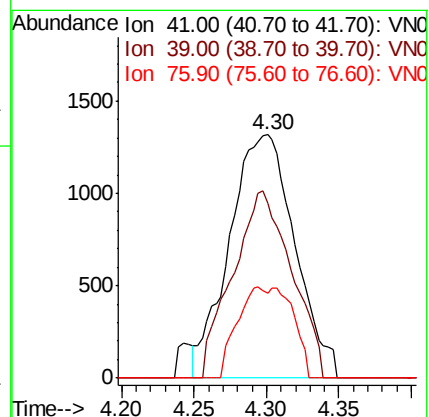
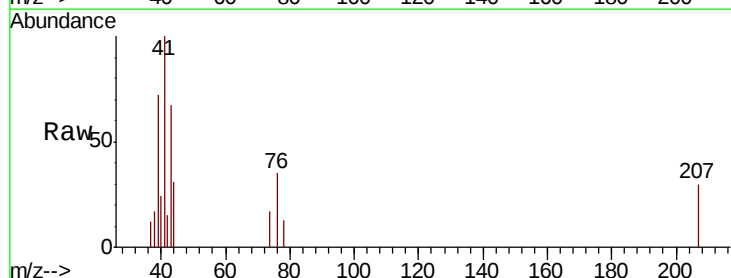
Tgt Ion: 41 Resp: 4131

Ion Ratio Lower Upper

41 100

39 69.2 57.8 86.8

76 17.4 28.6 43.0#





#15

Acrylonitrile

Concen: 1.861 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

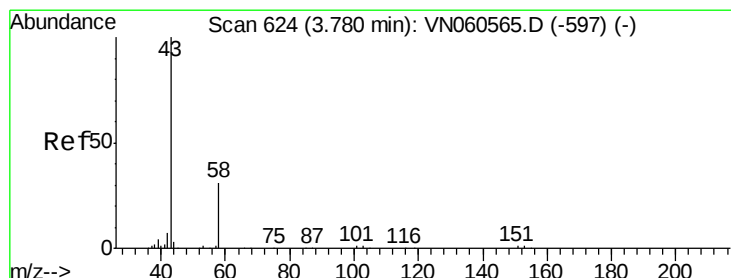
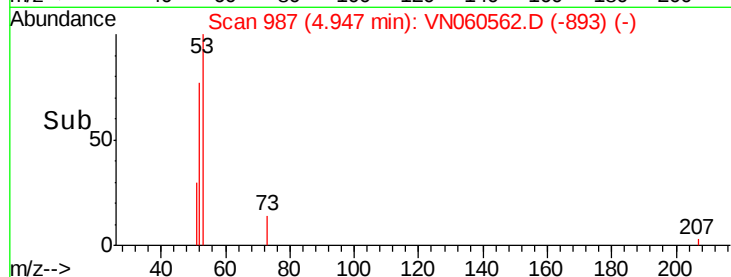
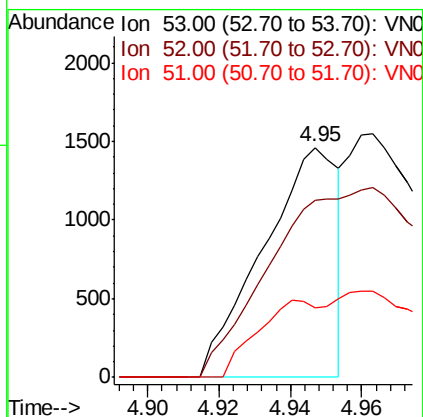
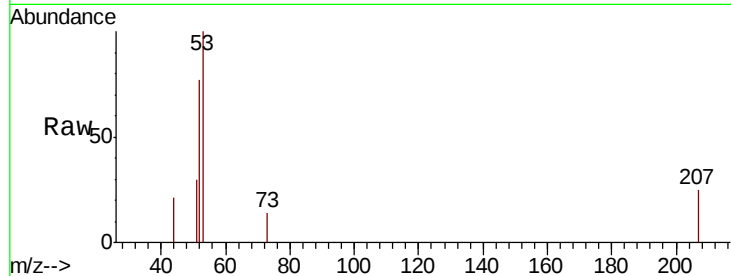
Tot Ion: 53 Resp: 2129

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.4#

51 26.2 28.7 43.1#



#16

Acetone

Concen: 5.584 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060562.D

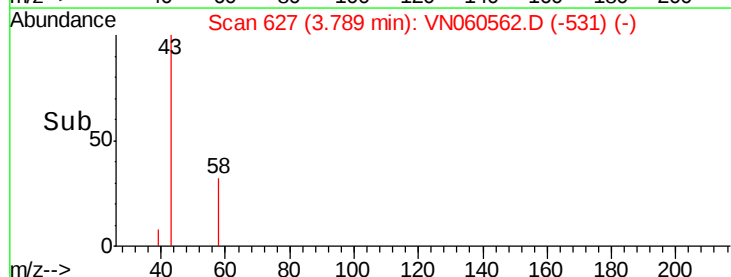
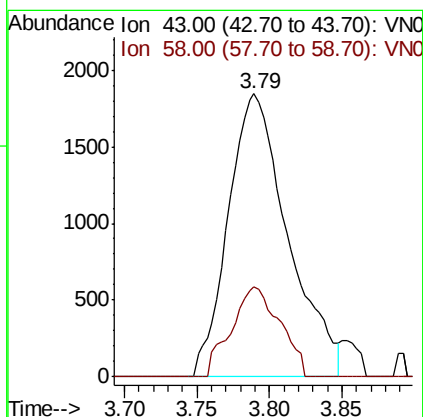
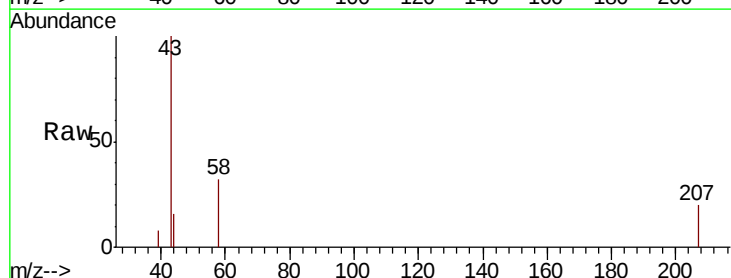
Acq: 17 Mar 2020 17:42

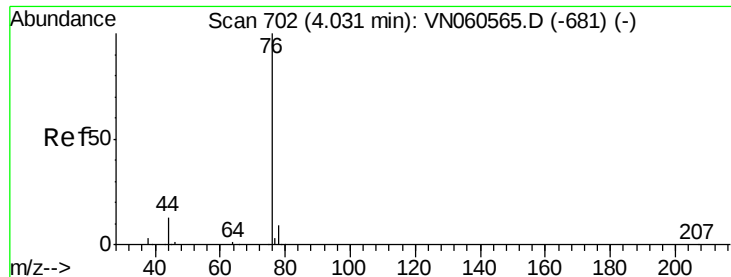
Tgt Ion: 43 Resp: 5282

Ion Ratio Lower Upper

43 100

58 31.7 25.1 37.7





#17

Carbon Disulfide

Concen: 1.056 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

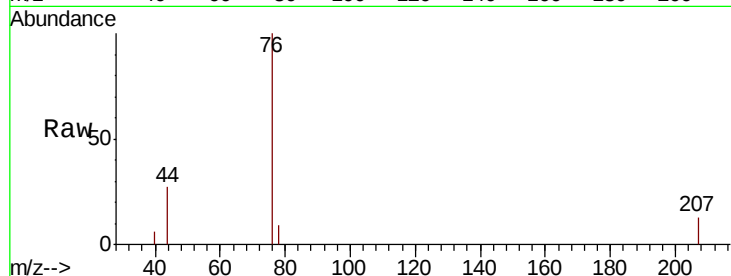
VSTDIC001

Tot Ion: 76 Resp: 7243

Ion Ratio Lower Upper

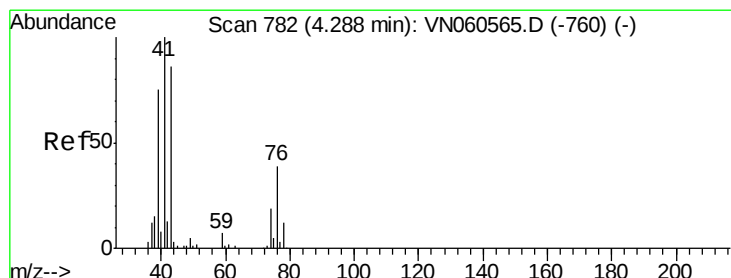
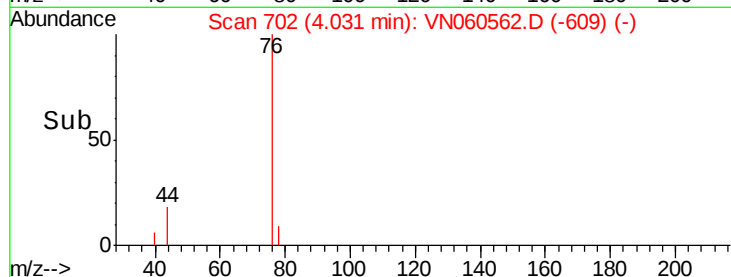
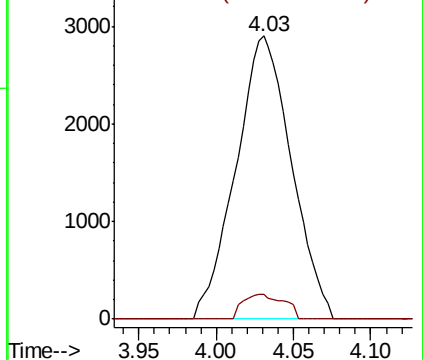
76 100

78 8.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060562.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060562.D (-609) (-)



#18

Methyl Acetate

Concen: 0.928 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060562.D

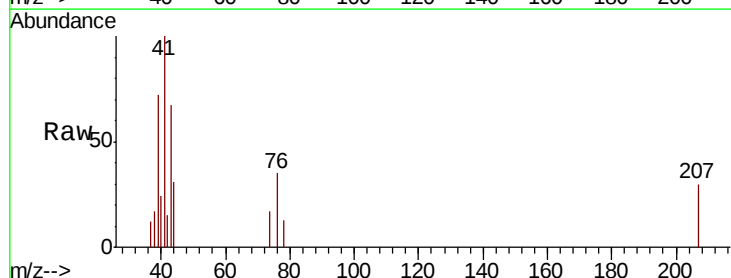
Acq: 17 Mar 2020 17:42

Tgt Ion: 43 Resp: 2877

Ion Ratio Lower Upper

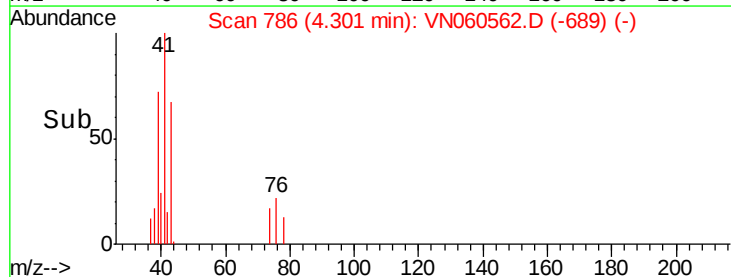
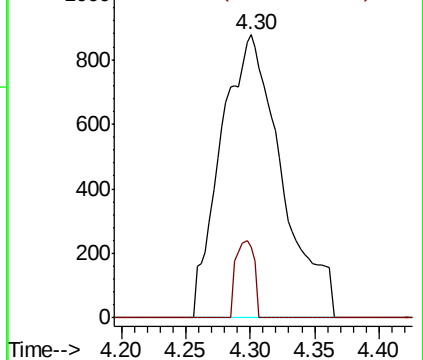
43 100

74 8.4 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060562.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060562.D (-689) (-)



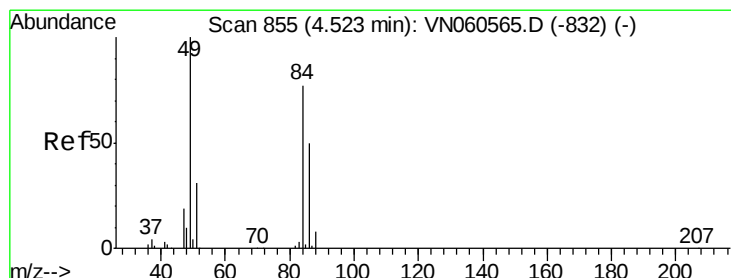
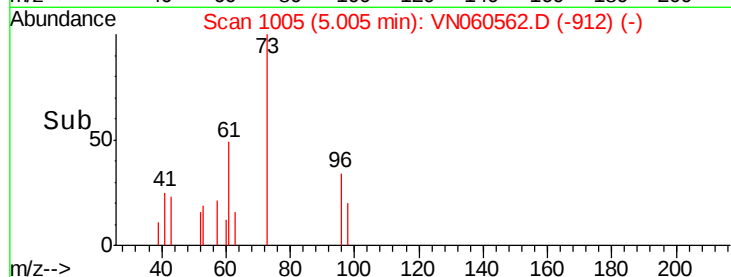
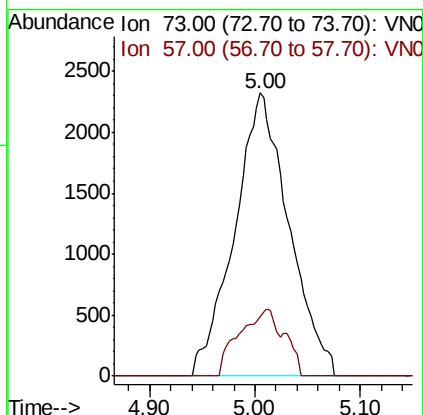
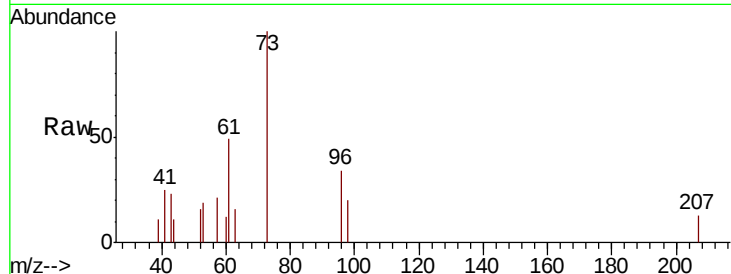


#19

Methyl tert-butyl Ether
 Concen: 1.062 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

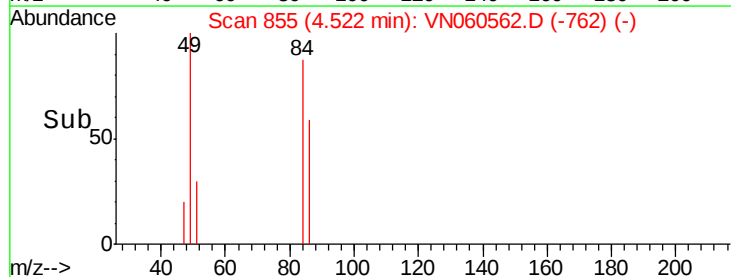
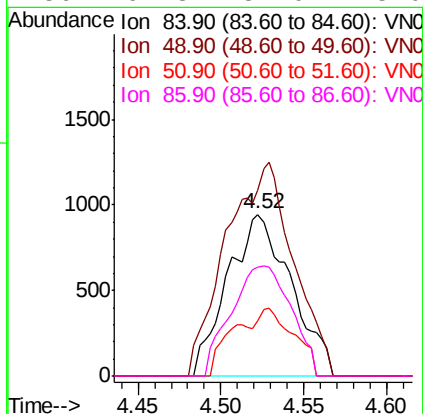
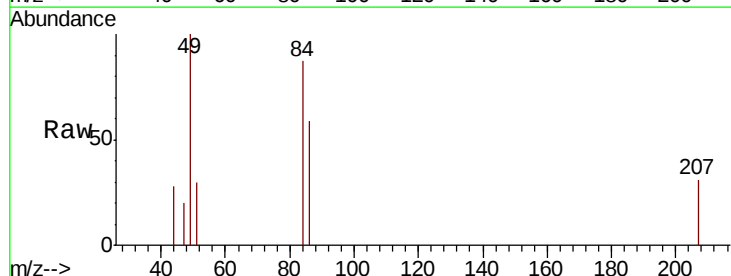
Tot Ion: 73 Resp: 8306
 Ion Ratio Lower Upper
 73 100
 57 21.0 17.5 26.3

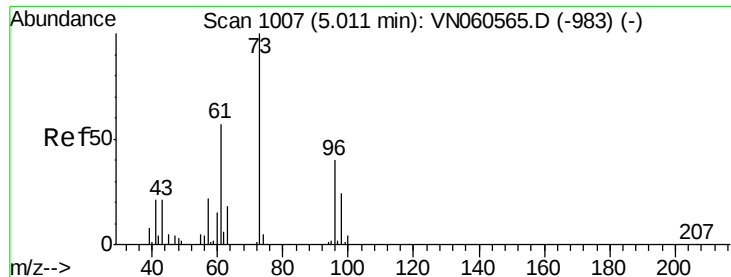


#20

Methylene Chloride
 Concen: 0.976 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion: 84 Resp: 2503
 Ion Ratio Lower Upper
 84 100
 49 114.4 103.3 154.9
 51 34.1 31.6 47.4
 86 67.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 0.933 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

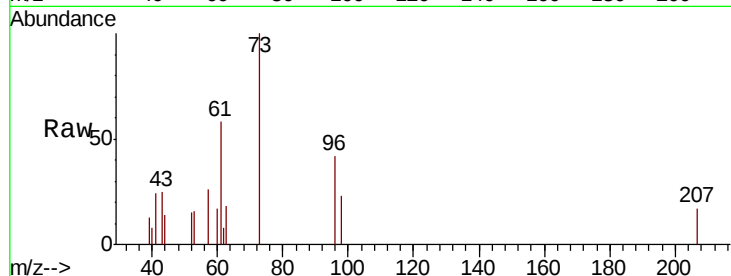
Tot Ion: 96 Resp: 2500

Ion Ratio Lower Upper

96 100

61 137.3 114.4 171.6

98 53.1 48.4 72.6

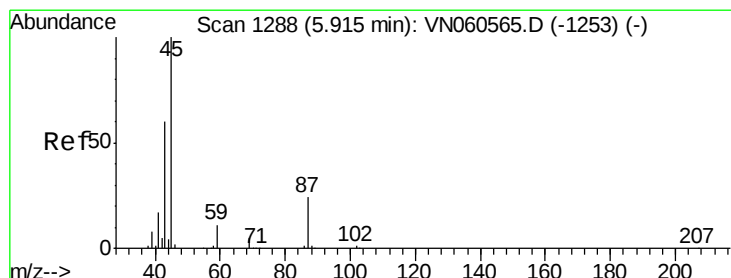
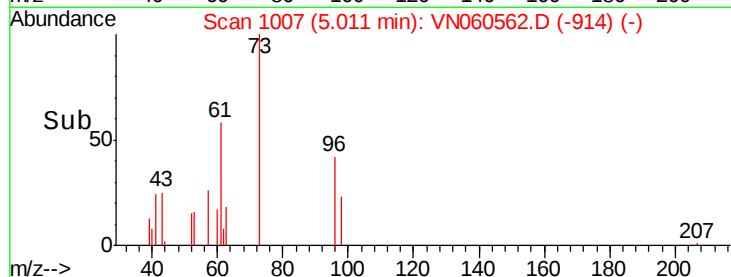
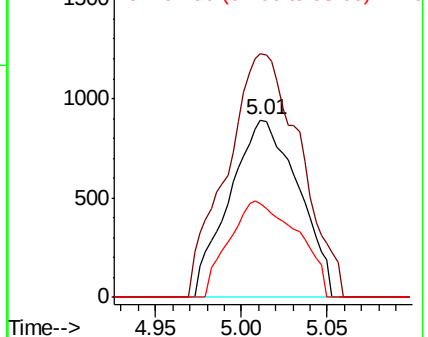


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 1.006 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Tgt Ion: 45 Resp: 8202

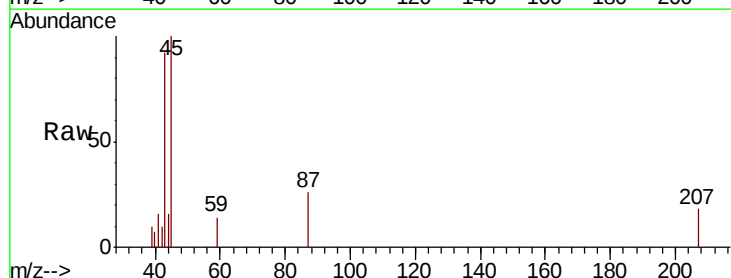
Ion Ratio Lower Upper

45 100

43 82.6 49.8 74.8#

87 26.5 20.1 30.1

59 14.2 9.2 13.8#



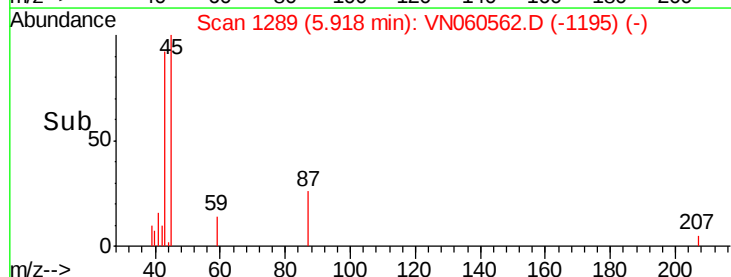
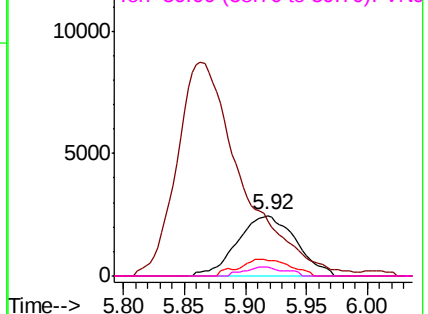
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 4.983 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

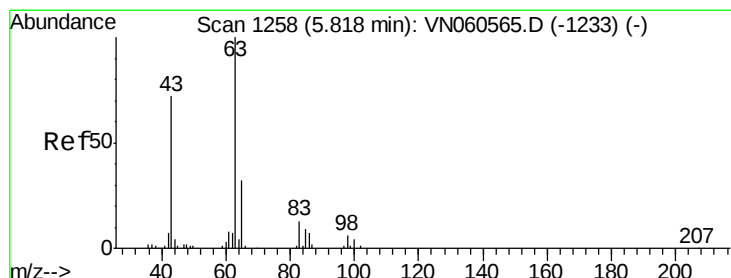
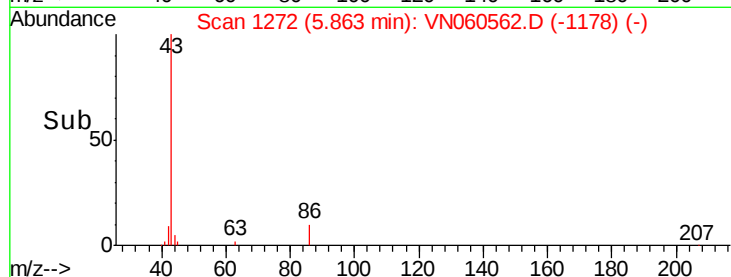
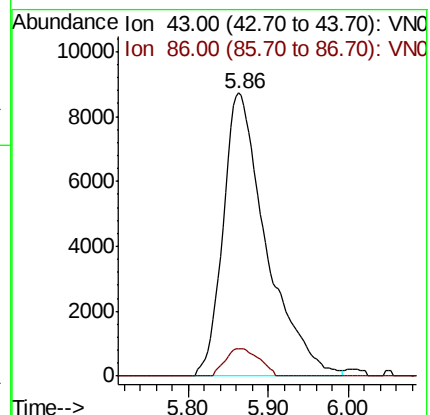
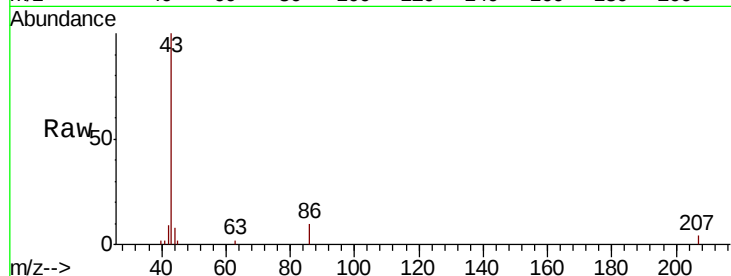
VSTDIC001

Tot Ion: 43 Resp: 32321

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



#24

1,1-Dichloroethane

Concen: 0.988 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

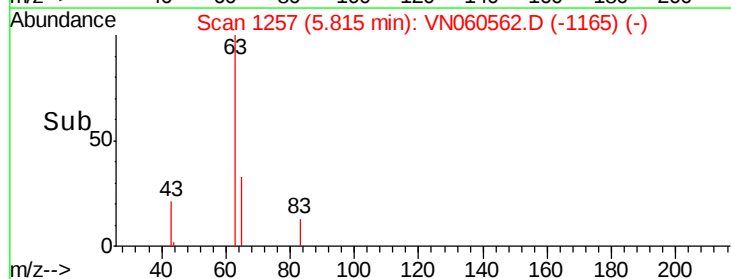
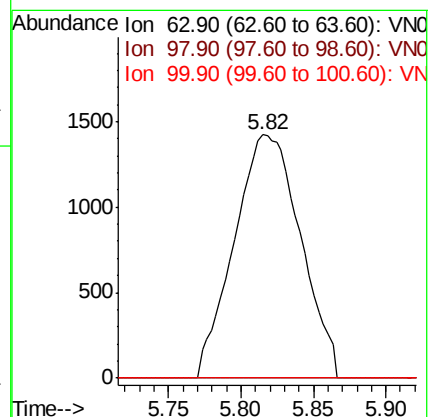
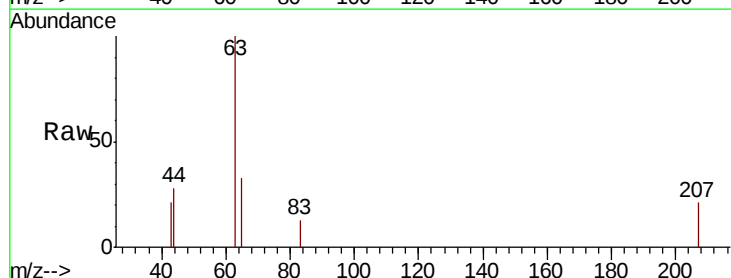
Tgt Ion: 63 Resp: 4526

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 1.8 5.5#

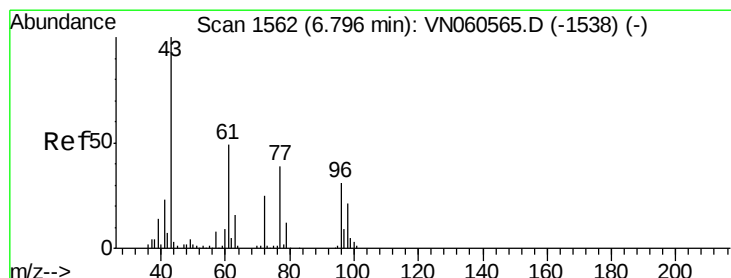
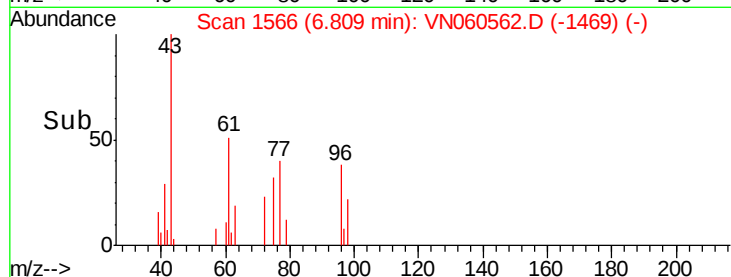
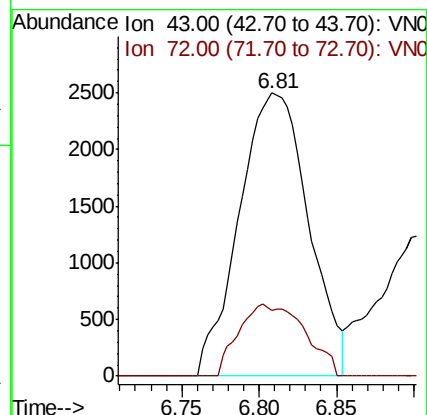
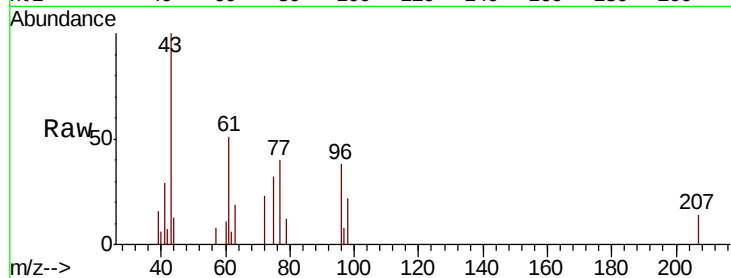




#25
 2-Butanone
 Concen: 5.088 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

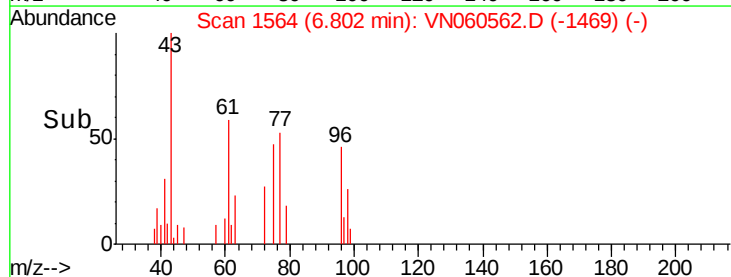
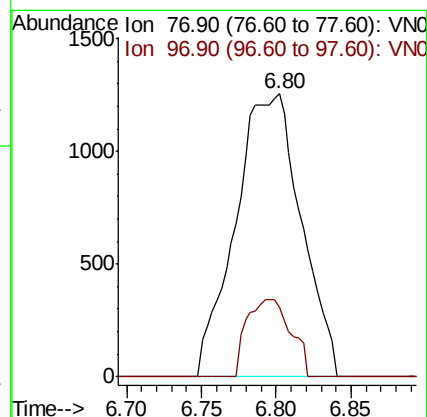
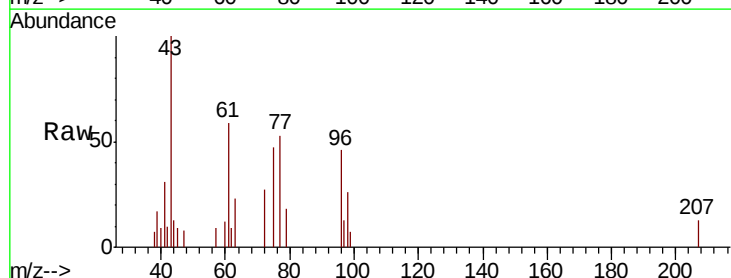
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 43 Resp: 7771
 Ion Ratio Lower Upper
 43 100
 72 23.2 20.4 30.6



#26
 2,2-Dichloropropane
 Concen: 0.944 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion: 77 Resp: 3834
 Ion Ratio Lower Upper
 77 100
 97 18.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 0.969 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

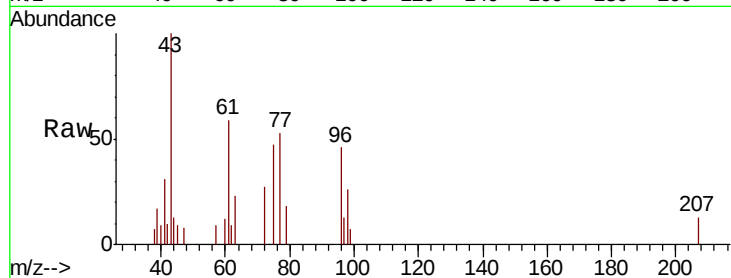
Tot Ion: 96 Resp: 2865

Ion Ratio Lower Upper

96 100

61 151.3 0.0 305.6

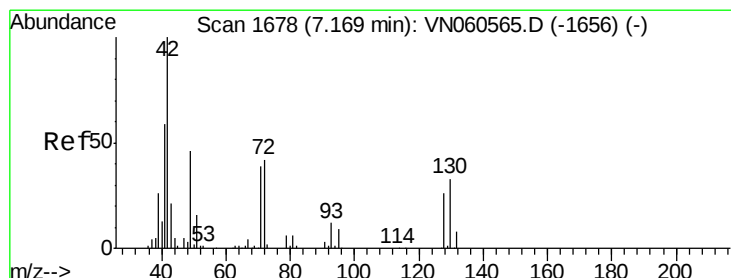
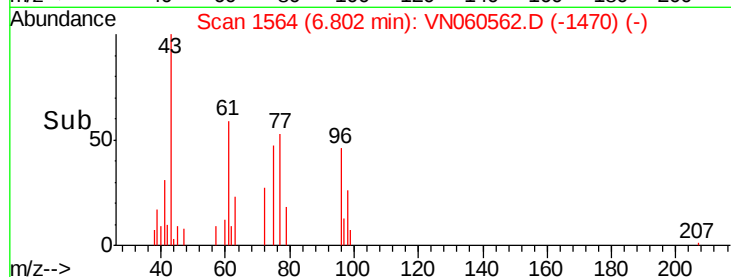
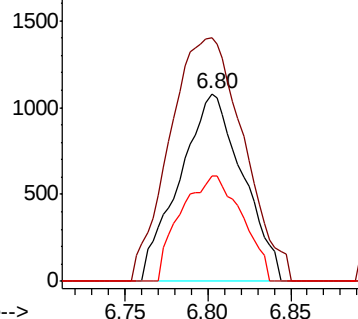
98 54.5 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060562.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN060562.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN060562.D (-1541) (-)



#28

Bromochloromethane

Concen: 1.100 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

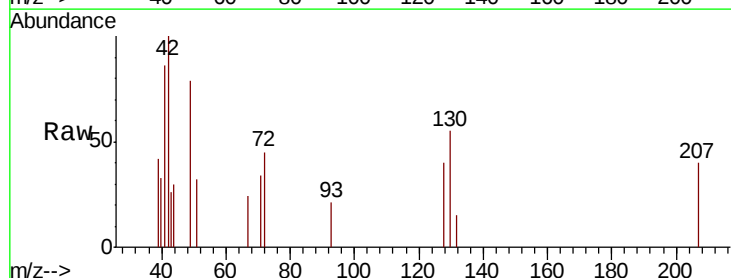
Tgt Ion: 49 Resp: 2152

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

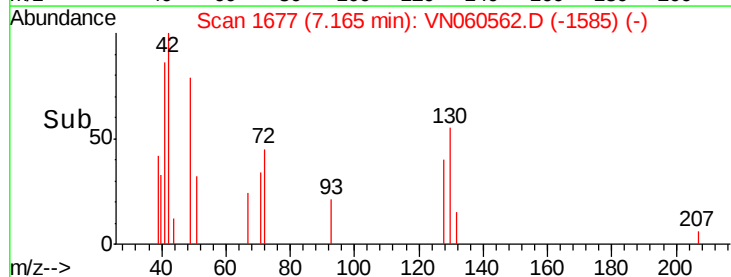
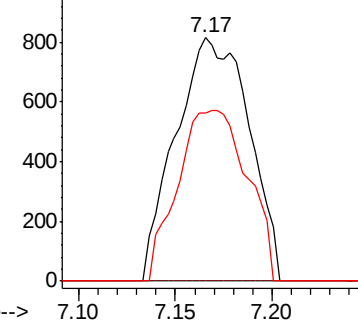
130 66.7 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN060562.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060562.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060562.D (-1585) (-)

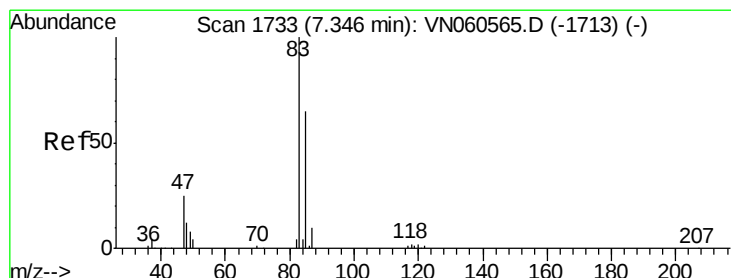
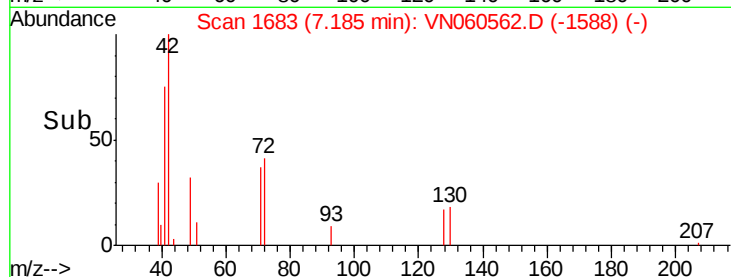
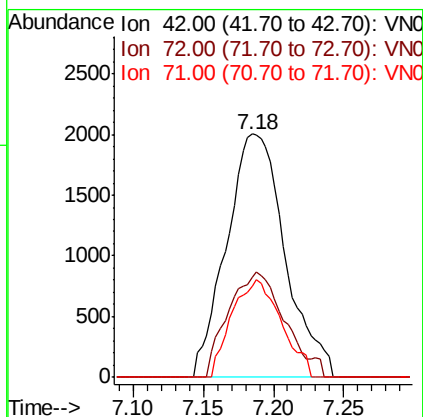
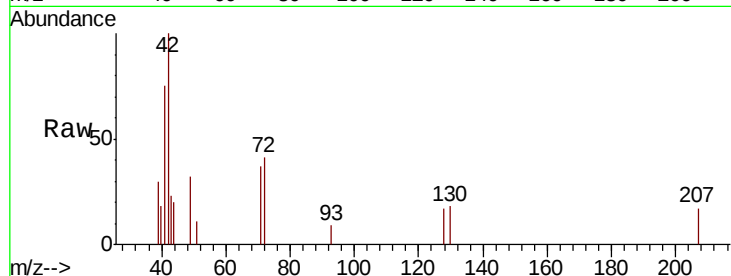




#29
Tetrahydrofuran
Concen: 5.457 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

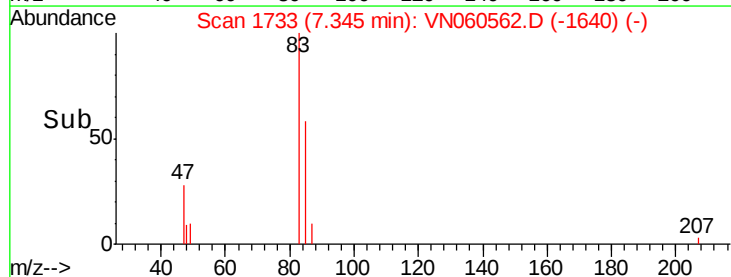
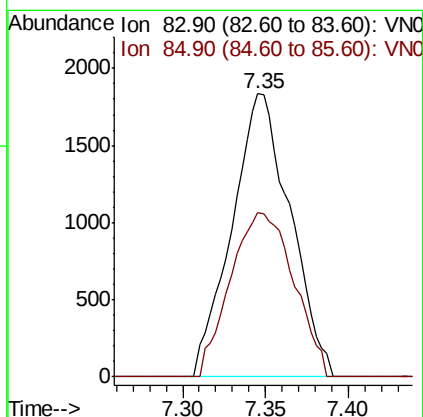
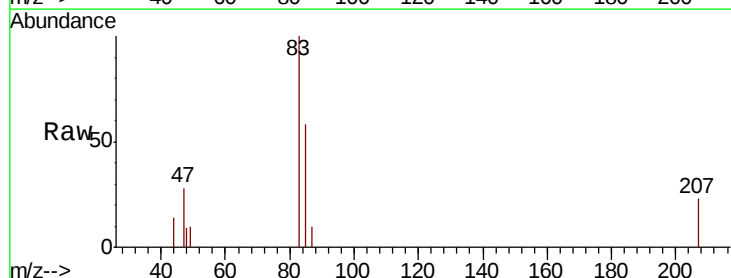
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

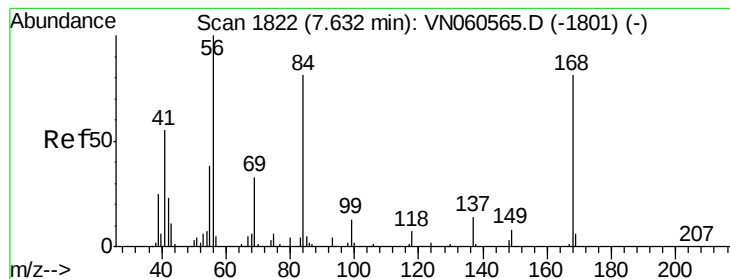
Tot Ion: 42 Resp: 5814
Ion Ratio Lower Upper
42 100
72 41.7 33.2 49.8
71 33.9 31.1 46.7



#30
Chloroform
Concen: 0.992 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 83 Resp: 4492
Ion Ratio Lower Upper
83 100
85 57.9 51.8 77.8





#31

Cyclohexane

Concen: 1.969 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

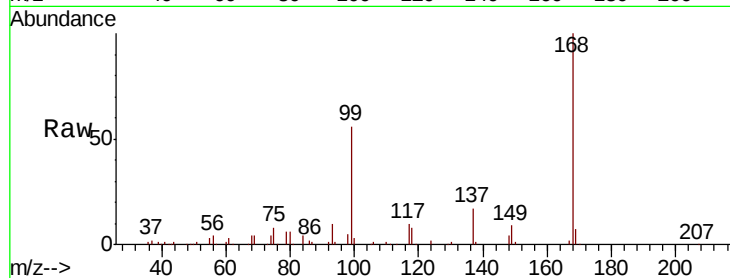
Tot Ion: 56 Resp: 8540

Ion Ratio Lower Upper

56 100

69 109.9 26.6 40.0#

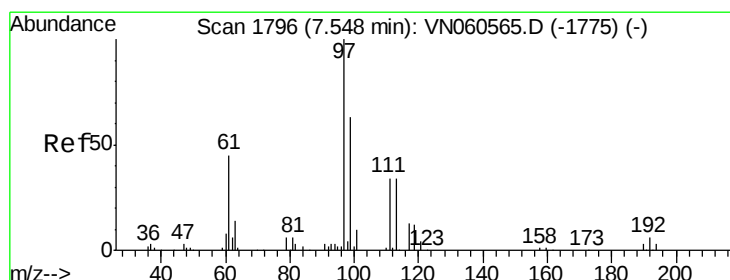
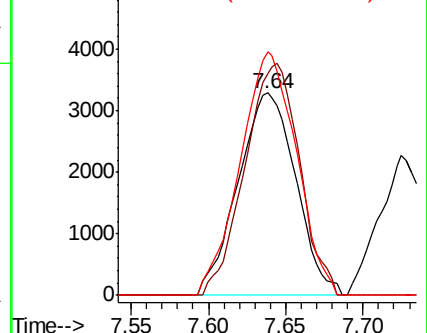
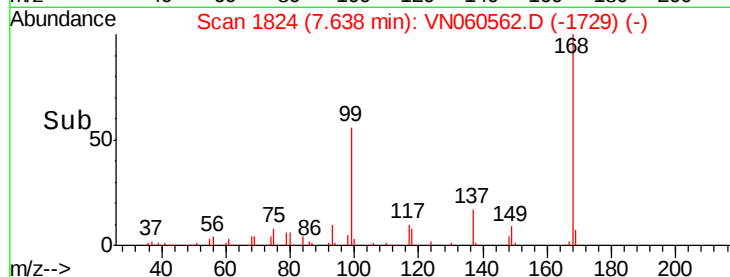
84 120.4 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060562.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060562.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060562.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 0.920 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

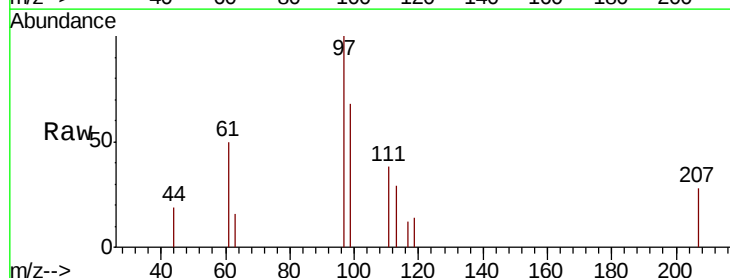
Tgt Ion: 97 Resp: 3685

Ion Ratio Lower Upper

97 100

99 0.0 50.6 75.8#

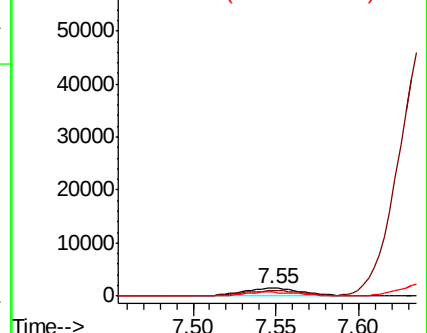
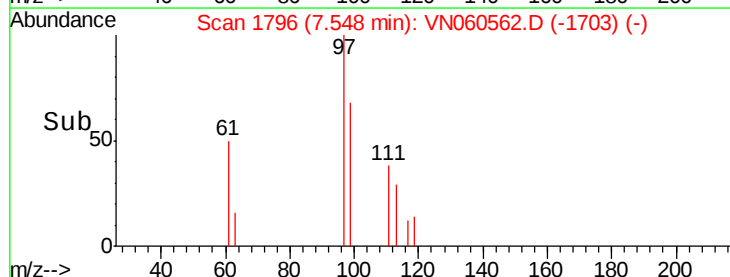
61 45.6 36.2 54.4

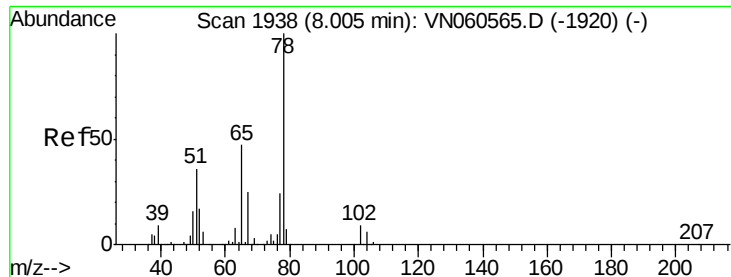


Abundance Ion 96.90 (96.60 to 97.60): VN060562.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060562.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060562.D (-1703) (-)

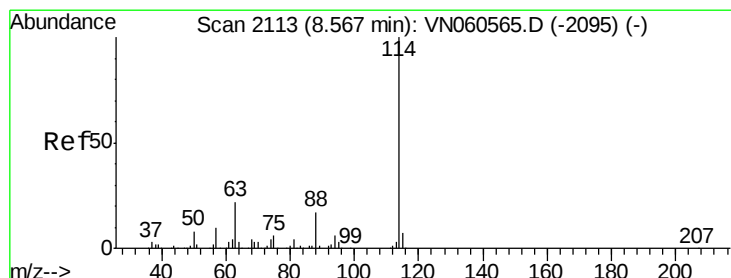
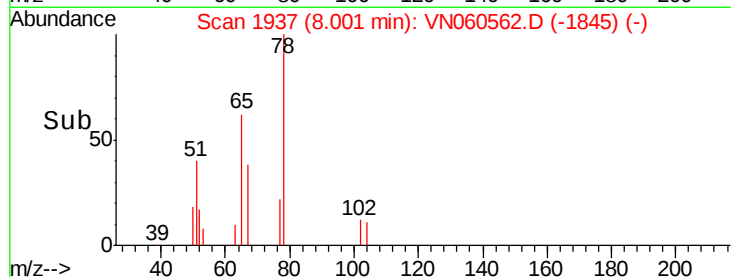
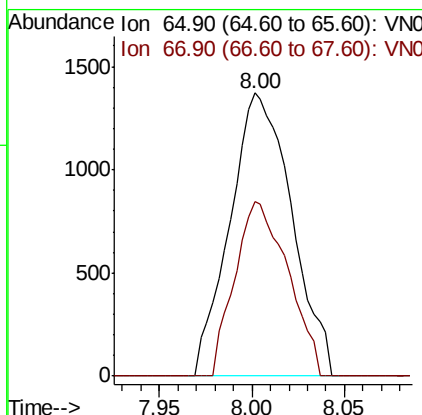
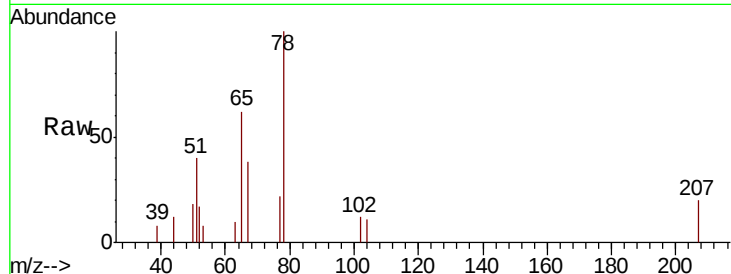




#33
 1,2-Dichloroethane-d4
 Concen: 1.092 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

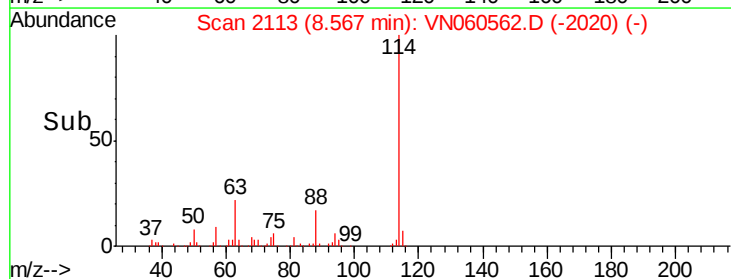
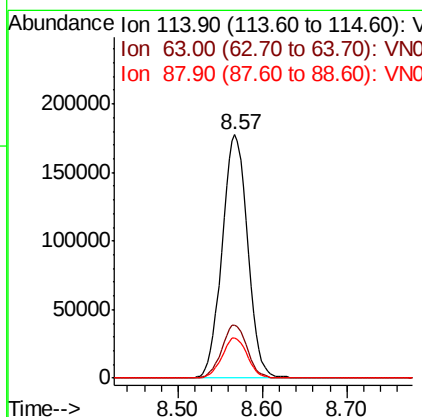
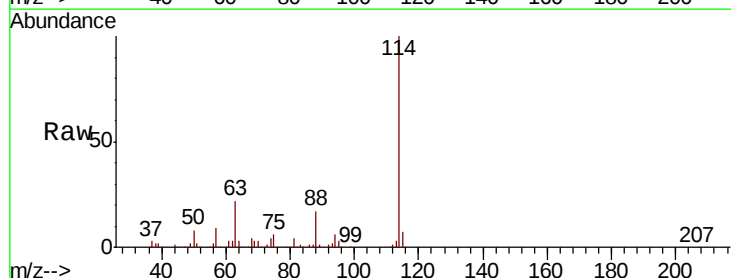
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

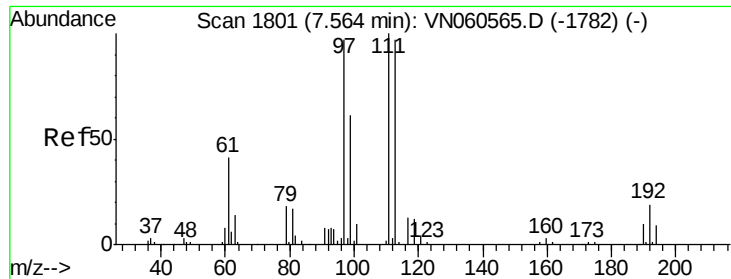
Tot Ion: 65 Resp: 3178
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion: 114 Resp: 373470
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.7 0.0 33.0

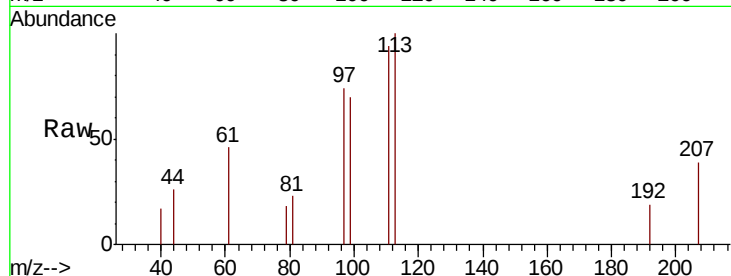




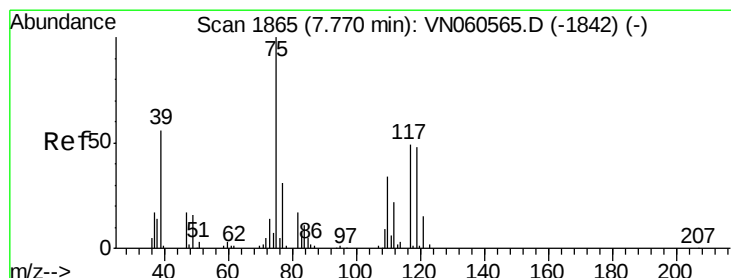
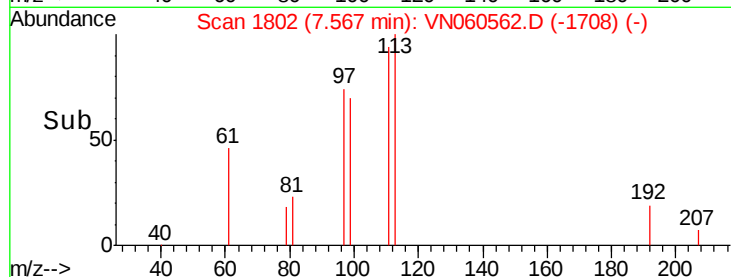
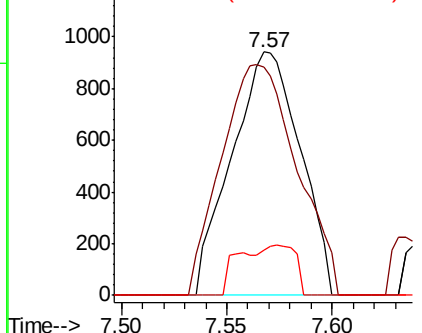
#35
Dibromofluoromethane
Concen: 1.147 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:113 Resp: 2123
Ion Ratio Lower Upper
113 100
111 104.6 82.9 124.3
192 10.0 15.8 23.8#

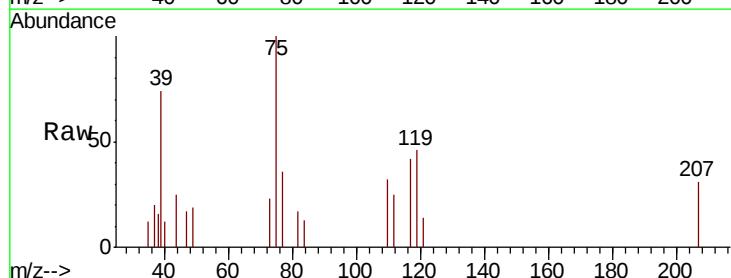


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

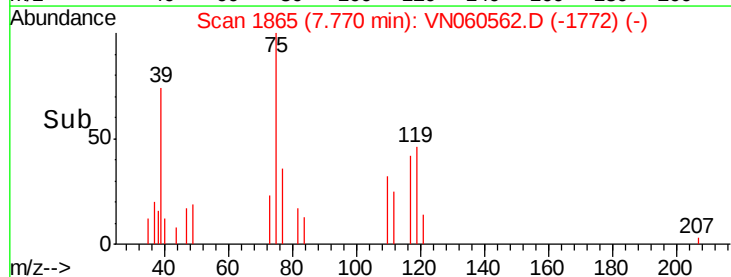
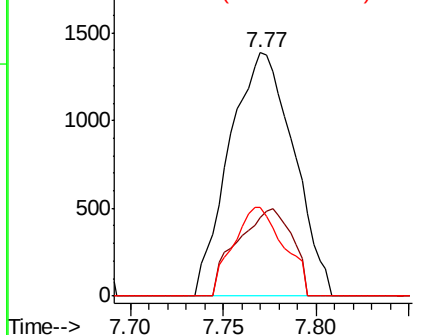


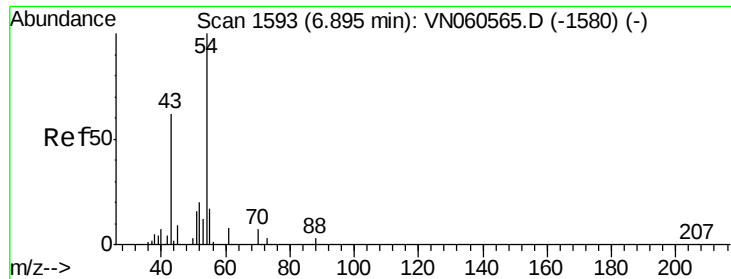
#36
1,1-Dichloropropene
Concen: 0.923 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 75 Resp: 3343
Ion Ratio Lower Upper
75 100
110 30.6 16.9 50.6
77 28.7 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

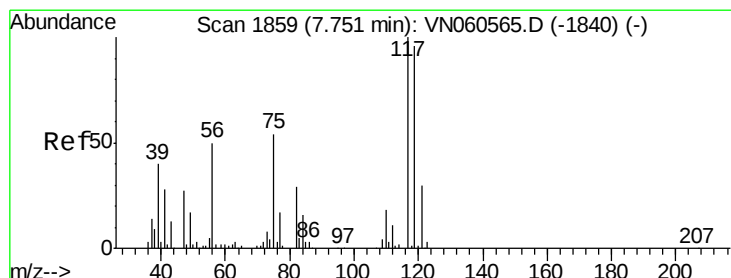
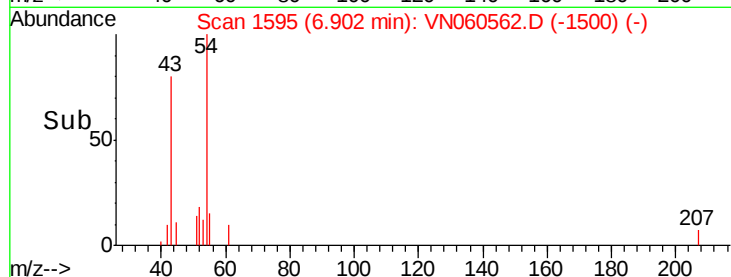
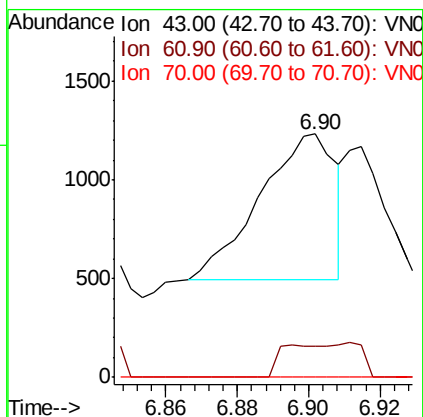
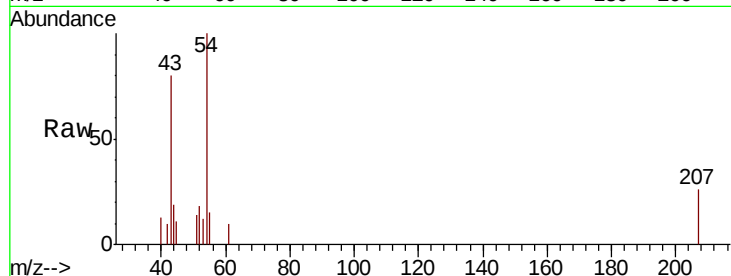




#37
Ethyl Acetate
Concen: 0.311 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.01 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

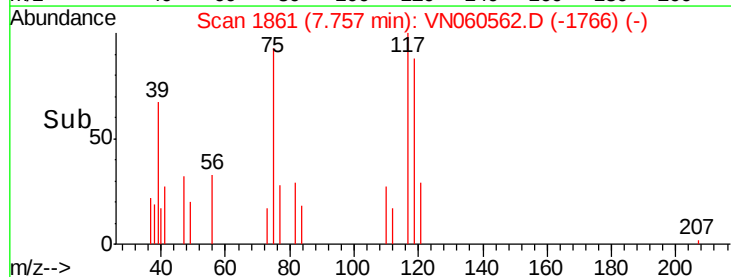
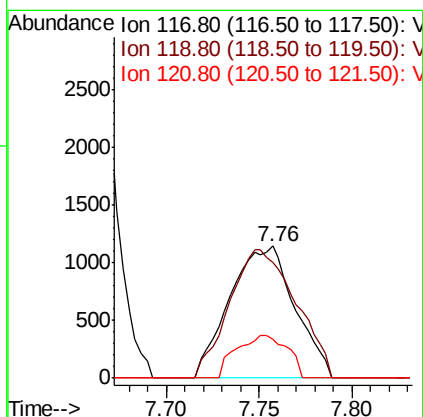
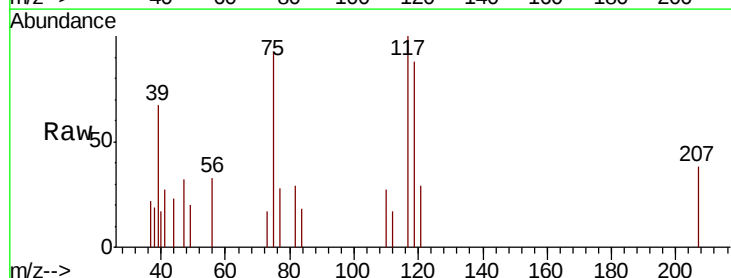
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

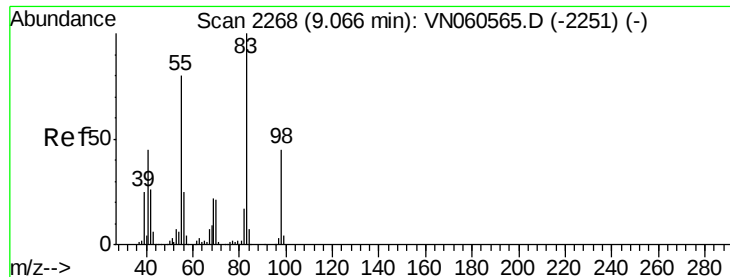
Tot Ion: 43 Resp: 1073
Ion Ratio Lower Upper
43 100
61 14.3 10.6 15.8
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 0.807 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 117 Resp: 2794
Ion Ratio Lower Upper
117 100
119 88.2 76.2 114.2
121 29.2 23.7 35.5

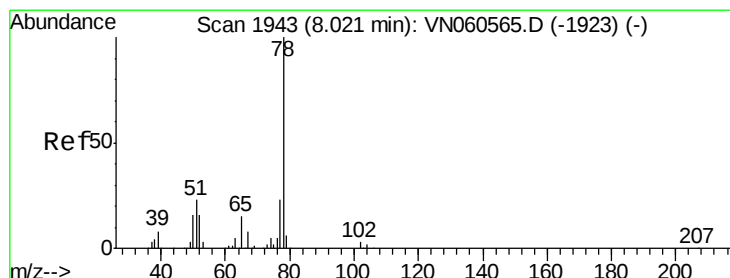
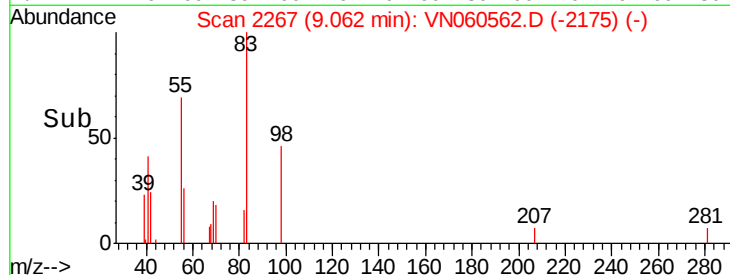
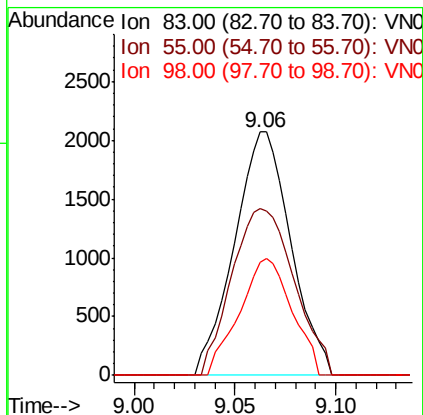
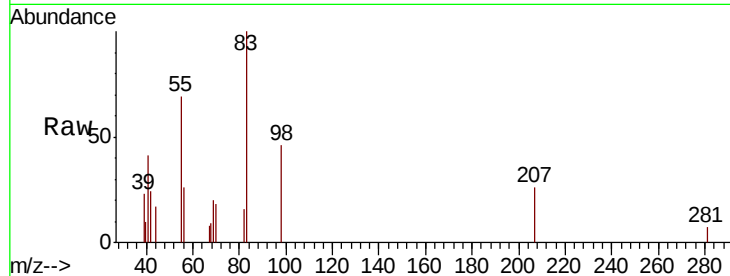




#39
Methvlcvclohexane
Concen: 0.947 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

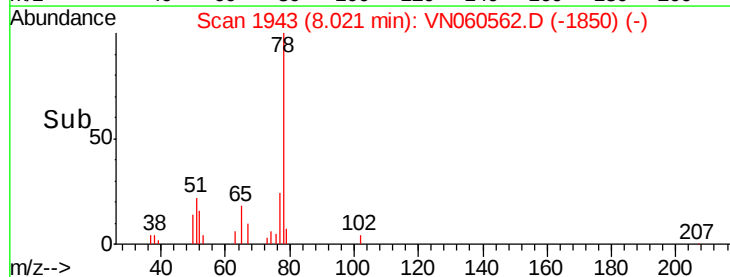
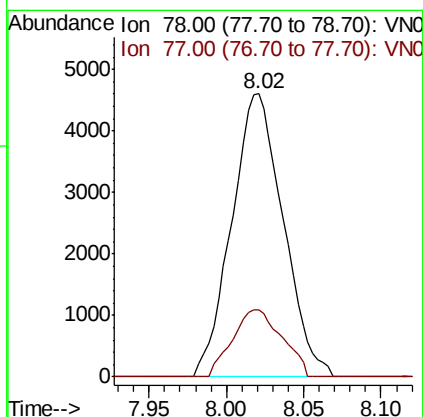
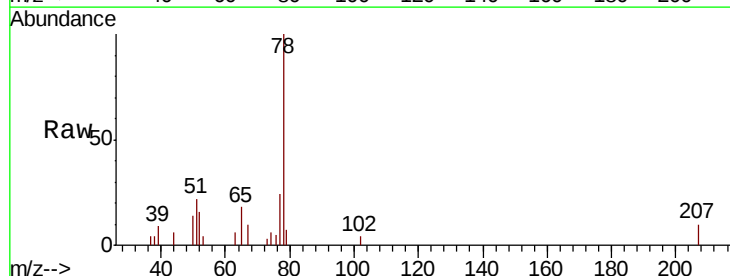
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

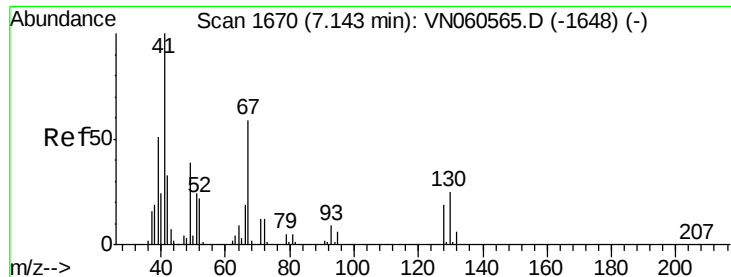
Tot Ion: 83 Resp: 4040
Ion Ratio Lower Upper
83 100
55 68.8 63.6 95.4
98 46.2 36.0 54.0



#40
Benzene
Concen: 1.013 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 78 Resp: 10662
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0

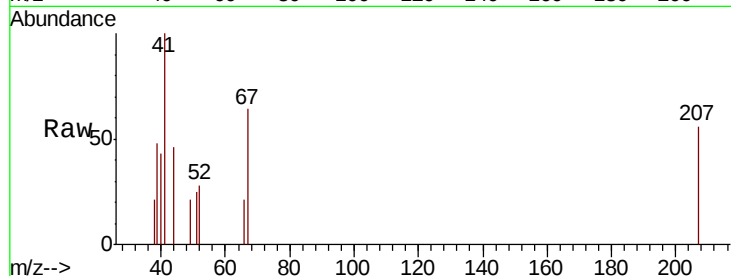




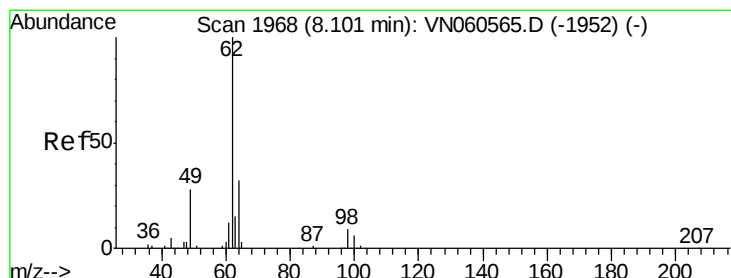
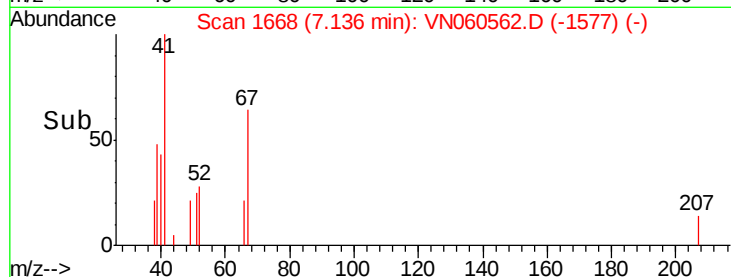
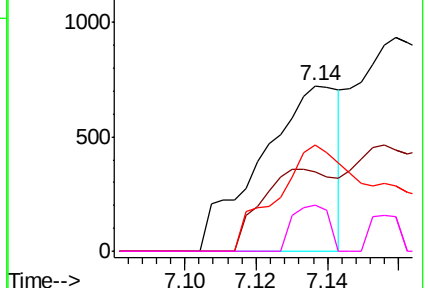
#41
Methacrylonitrile
Concen: 0.701 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:	41	Resp:	1101
Ion	Ratio	Lower	Upper
41	100		
39	46.4	0.0	0.0#
67	91.8	0.0	0.0#
52	12.7	0.0	0.0#

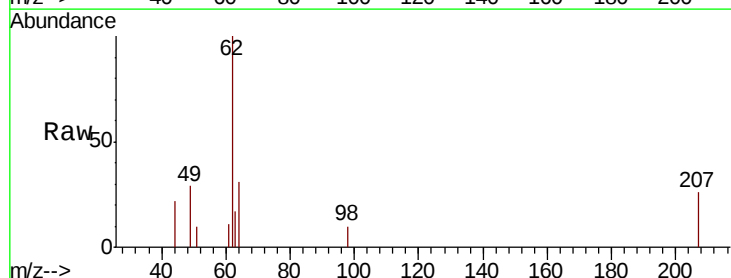


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

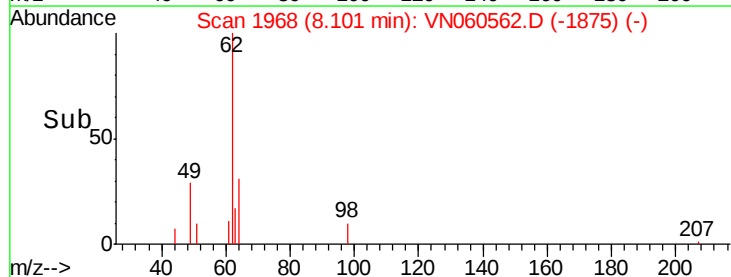
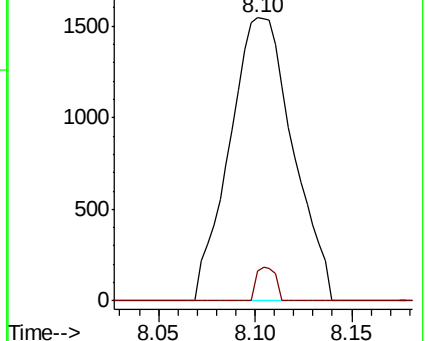


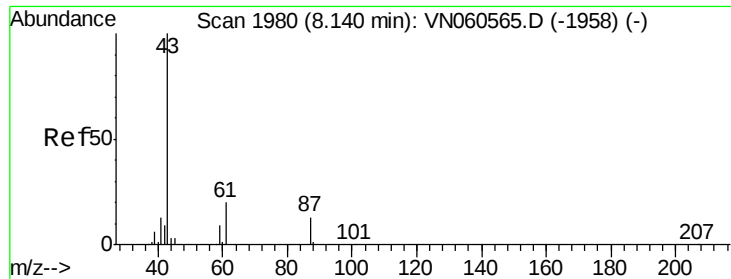
#42
1,2-Dichloroethane
Concen: 0.937 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion:	62	Resp:	3519
Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	17.8



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

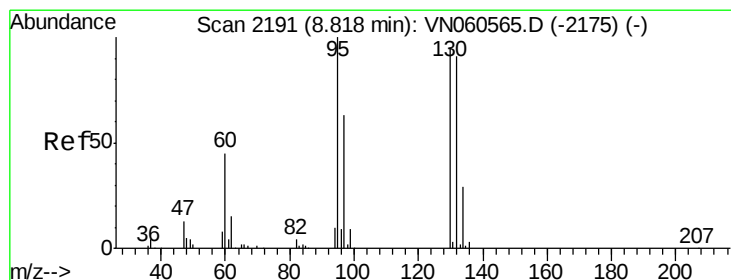
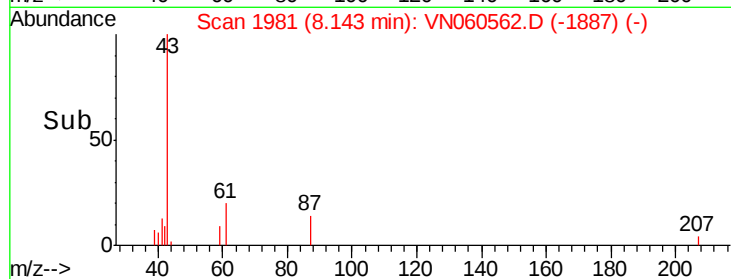
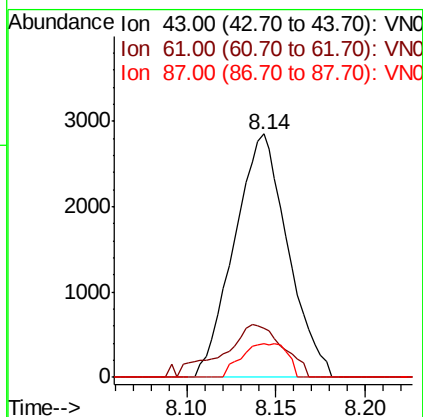
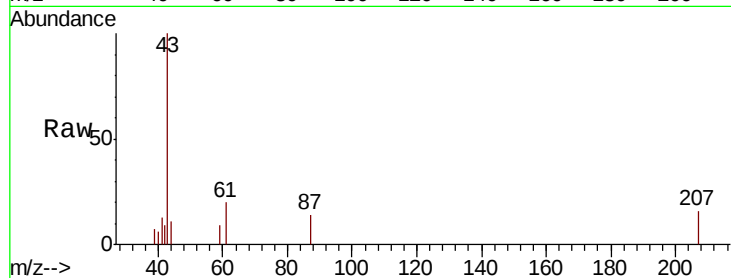




#43
Isopropyl Acetate
Concen: 0.995 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

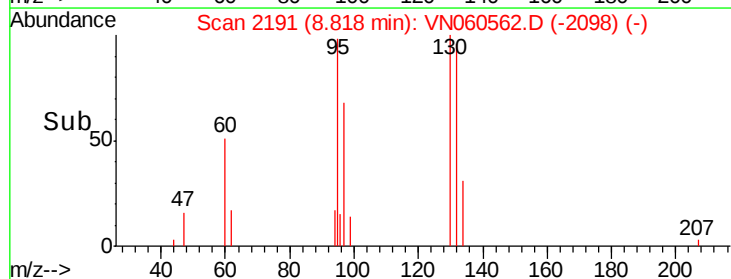
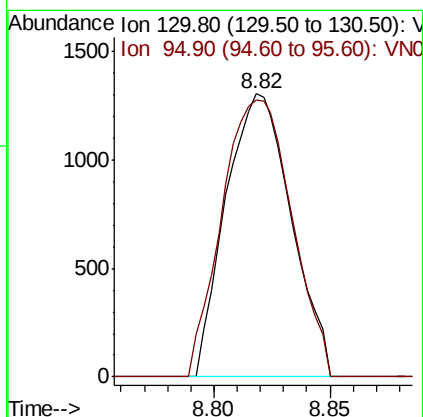
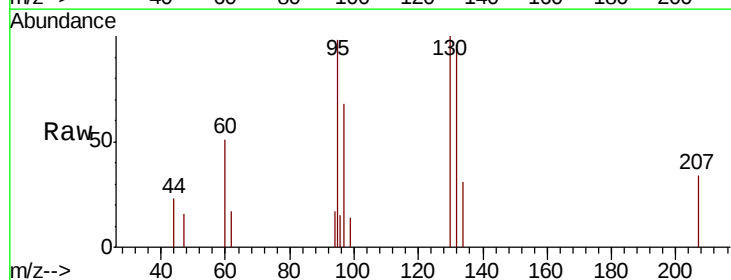
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

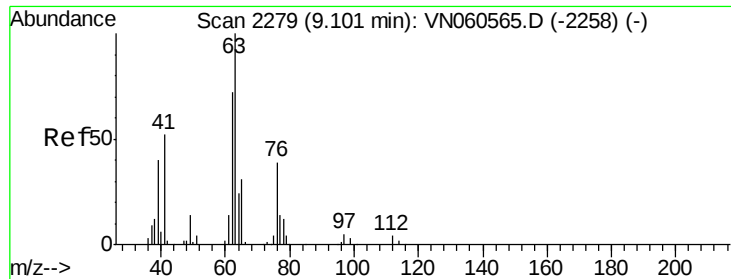
Tot Ion: 43 Resp: 5976
Ion Ratio Lower Upper
43 100
61 24.6 20.7 31.1
87 11.7 9.8 14.8



#44
Trichloroethene
Concen: 0.883 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 130 Resp: 2559
Ion Ratio Lower Upper
130 100
95 97.7 0.0 211.2





#45

1,2-Dichloropropane

Concen: 0.980 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

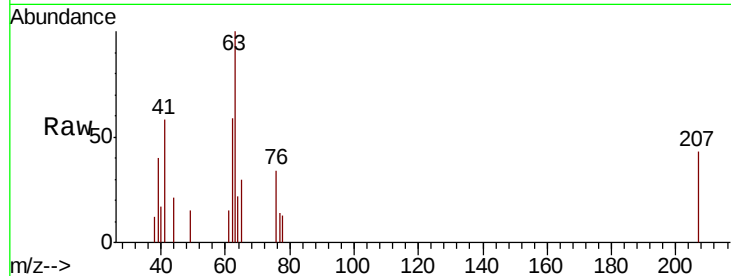
VSTDIC001

Tot Ion: 63 Resp: 2693

Ion Ratio Lower Upper

63 100

65 29.9 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VN060562.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060562.D (-2186) (-)

9.10

1500

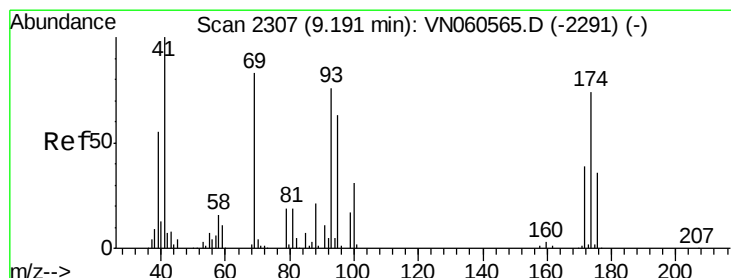
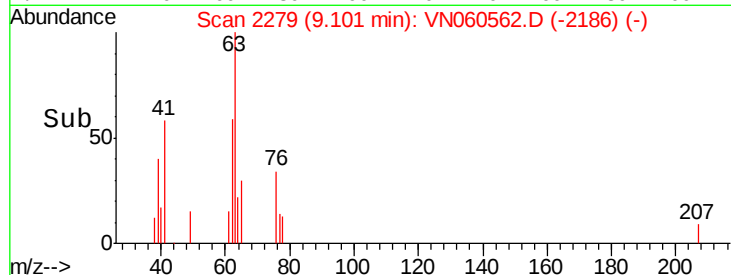
1000

500

0

9.05 9.10 9.15

Time-->



#46

Dibromomethane

Concen: 0.870 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

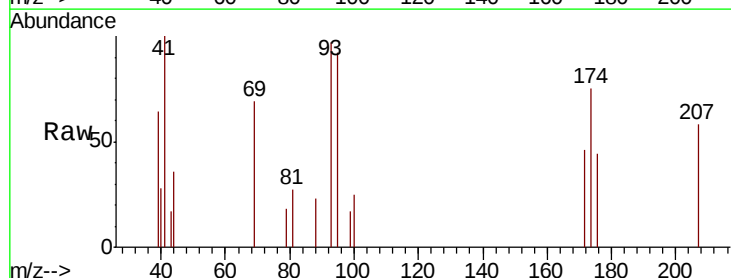
Tgt Ion: 93 Resp: 1539

Ion Ratio Lower Upper

93 100

95 94.5 66.2 99.4

174 98.8 77.9 116.9



Abundance Ion 92.80 (92.50 to 93.50): VN060562.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060562.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060562.D (-2214) (-)

1200

1000

800

600

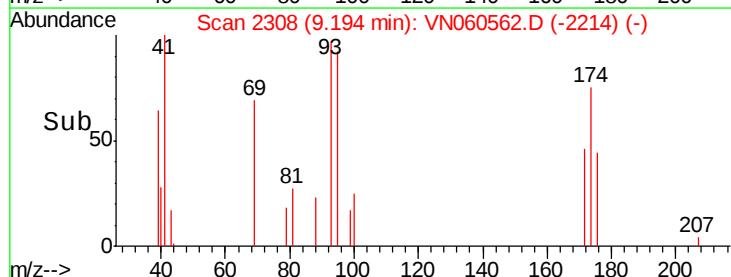
400

200

0

9.15 9.20

Time-->





#47

Bromodichloromethane

Concen: 0.895 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

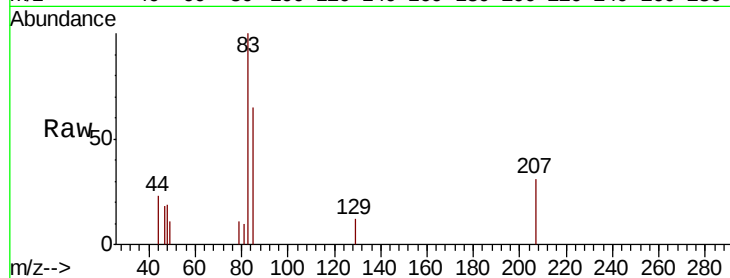
Tot Ion: 83 Resp: 3217

Ion Ratio Lower Upper

83 100

85 65.4 51.8 77.6

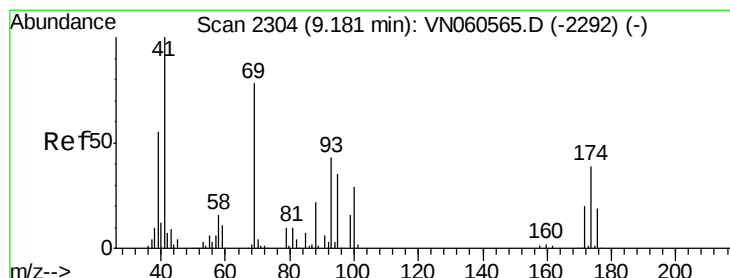
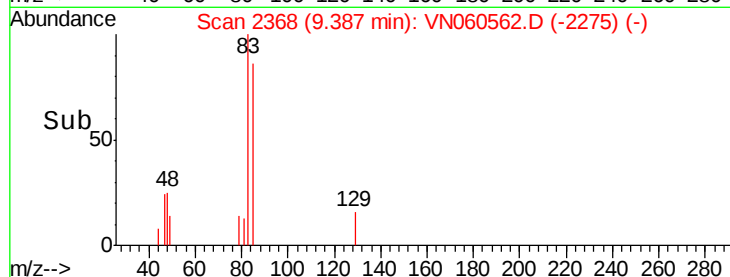
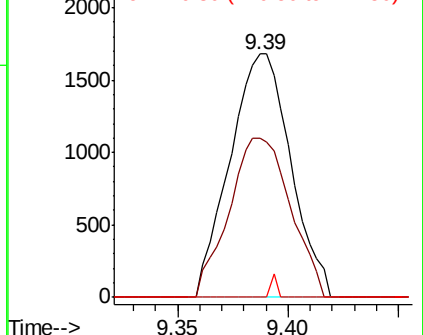
127 0.0 6.5 9.7#



Abundance Ion 82.90 (82.60 to 83.60): VN060562.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060562.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060562.D (-2275) (-)



#48

Methyl methacrylate

Concen: 0.975 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

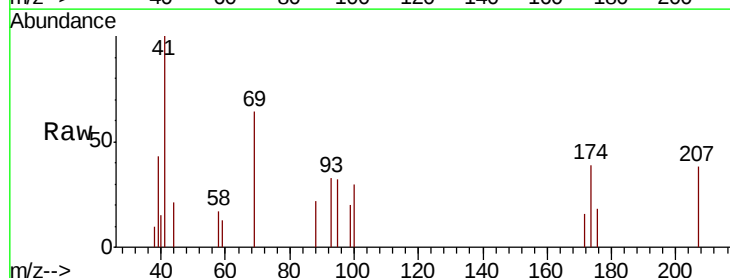
Tgt Ion: 41 Resp: 2669

Ion Ratio Lower Upper

41 100

69 60.6 65.4 98.0#

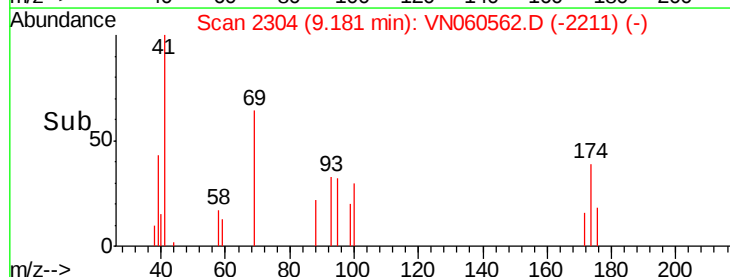
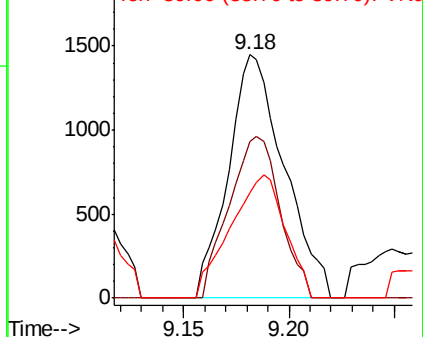
39 49.6 44.0 66.0

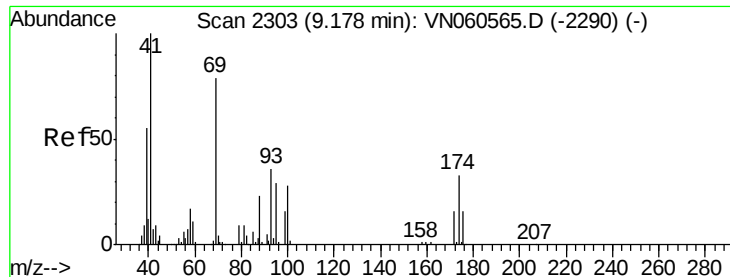


Abundance Ion 41.00 (40.70 to 41.70): VN060562.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060562.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060562.D (-2211) (-)

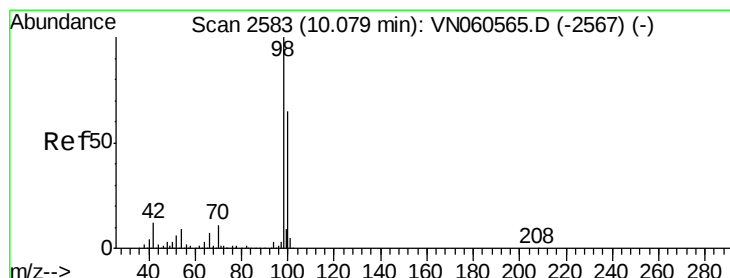
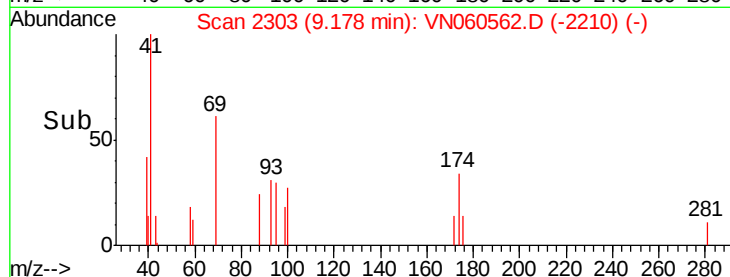
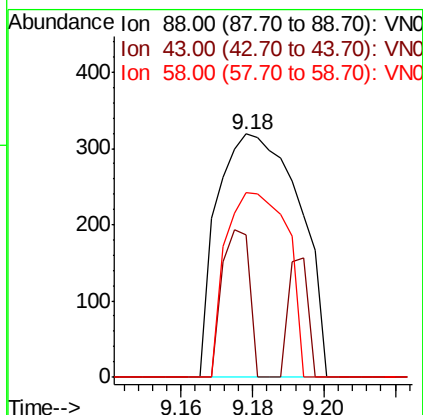
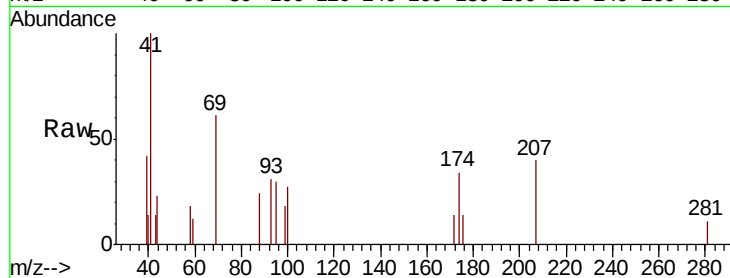




#49
 1,4-Dioxane
 Concen: 13.338 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

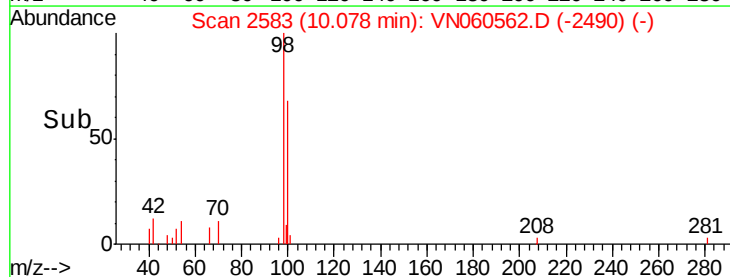
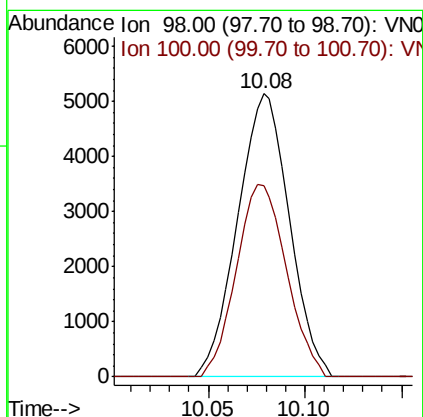
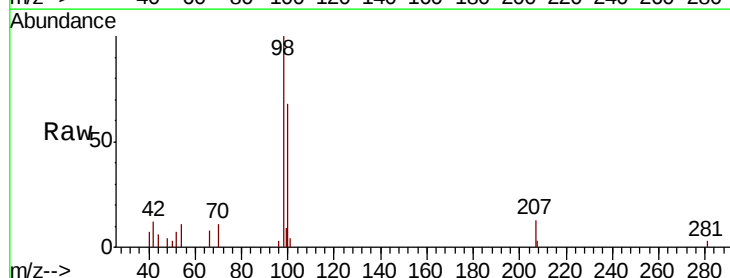
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 88 Resp: 506
 Ion Ratio Lower Upper
 88 100
 43 0.0 30.8 46.2#
 58 57.1 59.8 89.8#



#50
 Toluene-d8
 Concen: 1.061 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion: 98 Resp: 9556
 Ion Ratio Lower Upper
 98 100
 100 65.8 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 4.777 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

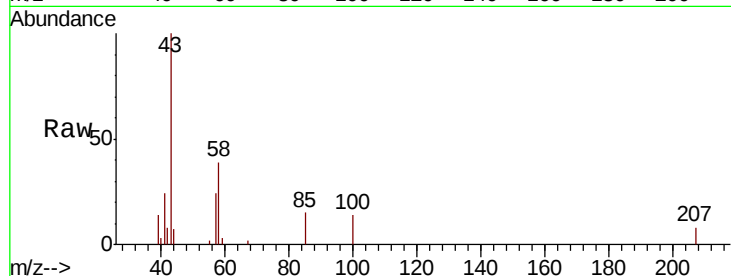
VSTDIC001

Tot Ion: 43 Resp: 16305

Ion Ratio Lower Upper

43 100

58 37.5 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

10000

8000

6000

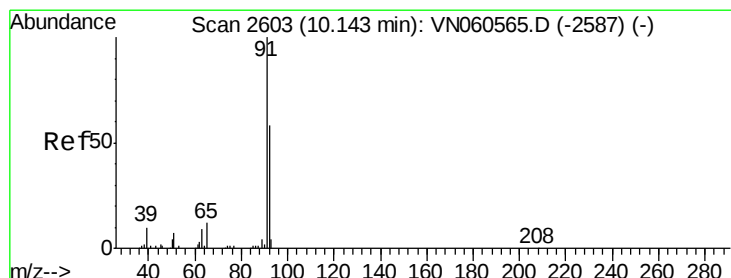
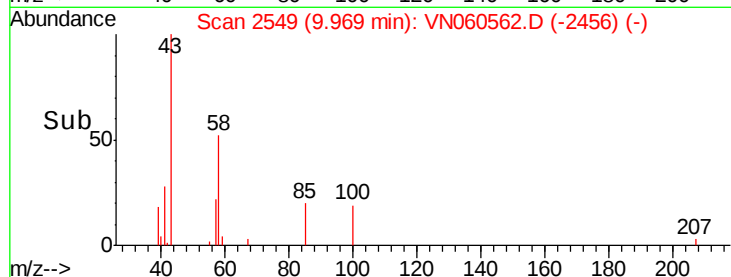
4000

2000

0

Time-->

9.90 9.95 10.00 10.05



#52

Toluene

Concen: 0.928 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060562.D

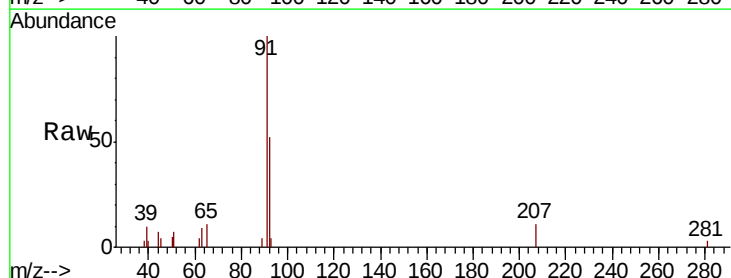
Acq: 17 Mar 2020 17:42

Tgt Ion: 92 Resp: 6100

Ion Ratio Lower Upper

92 100

91 179.6 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

6000

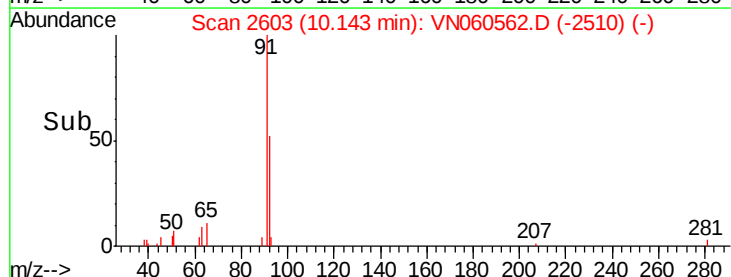
4000

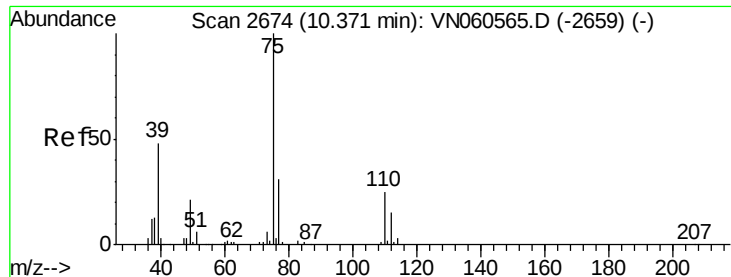
2000

0

Time-->

10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 0.840 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

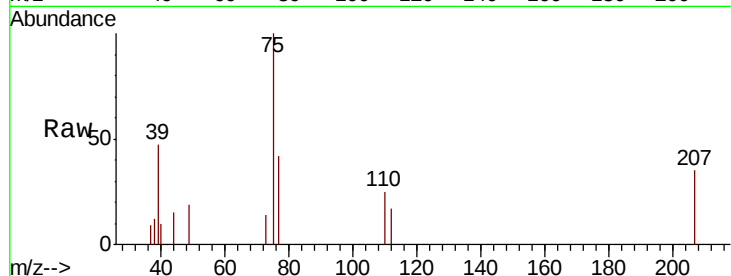
VSTDIC001

Tot Ion: 75 Resp: 3697

Ion Ratio Lower Upper

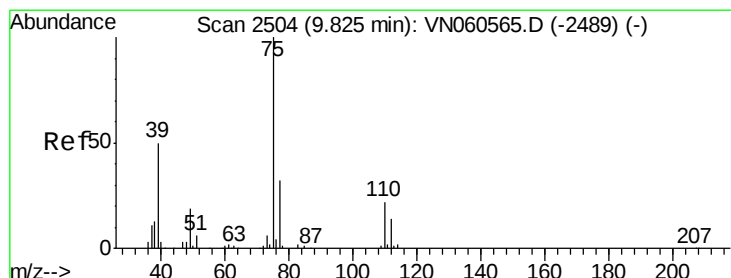
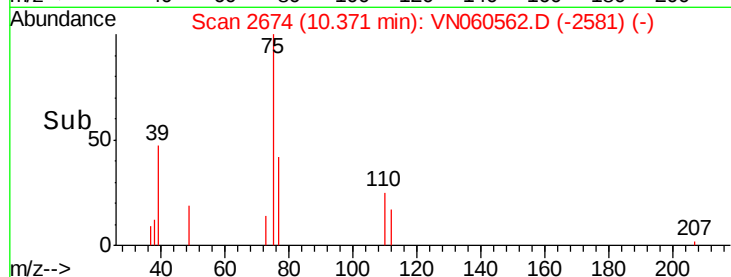
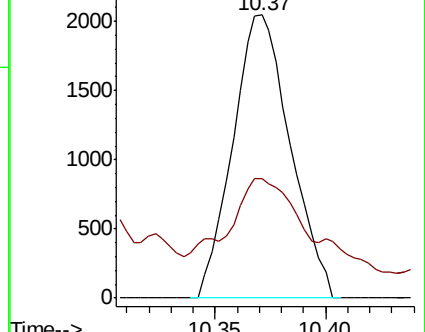
75 100

77 26.3 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-2659) (-)

Ion 76.90 (76.60 to 77.60): VN060565.D (-2659) (-)



#54

cis-1,3-Dichloropropene

Concen: 0.934 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

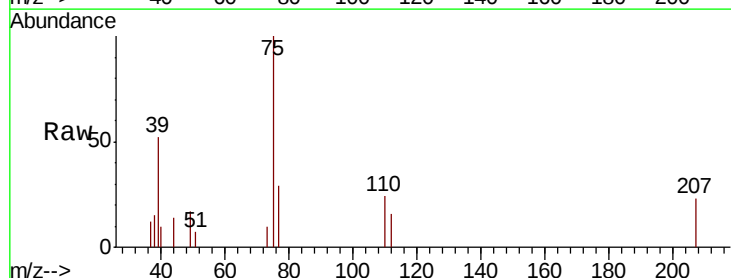
Tgt Ion: 75 Resp: 4271

Ion Ratio Lower Upper

75 100

77 29.4 25.4 38.0

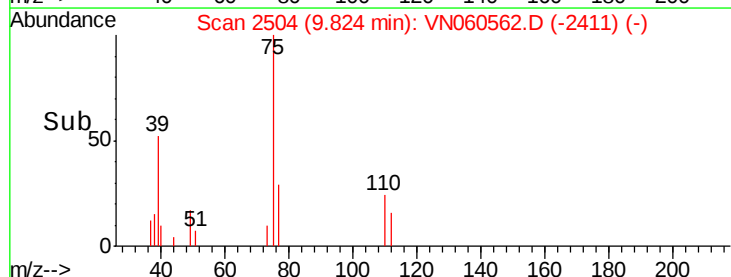
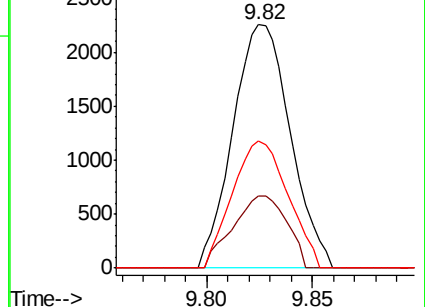
39 52.2 40.2 60.4

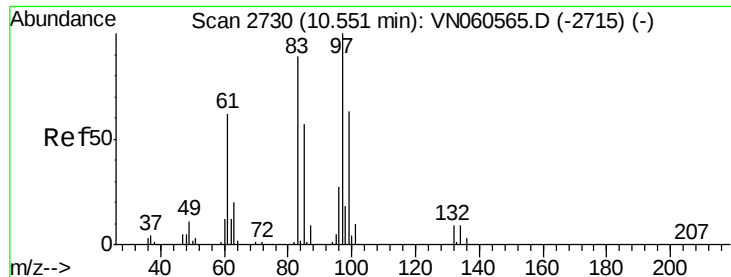


Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060565.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2489) (-)





#55

1,1,2-Trichloroethane

Concen: 0.943 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 97 Resp: 2481

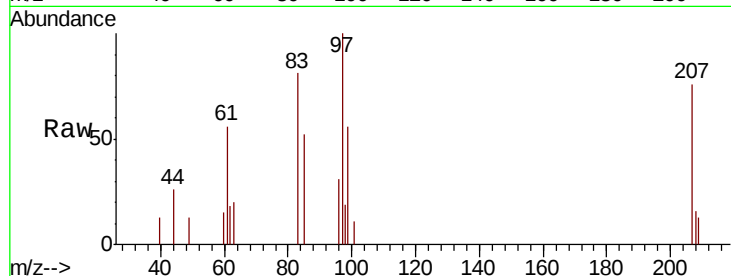
Ion Ratio Lower Upper

97 100

83 81.0 71.3 106.9

85 52.5 45.2 67.8

99 56.4 50.1 75.1

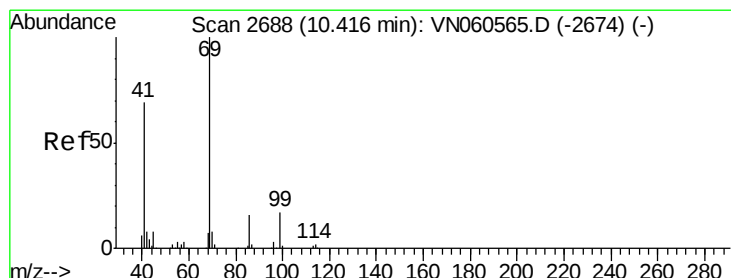
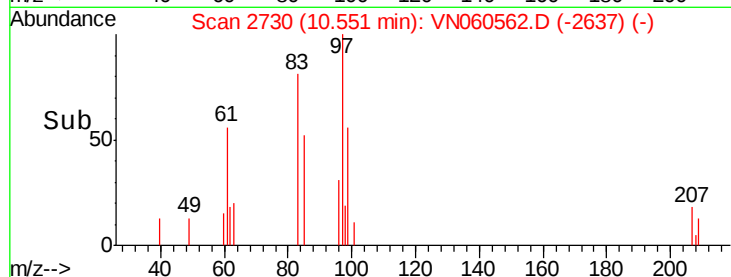
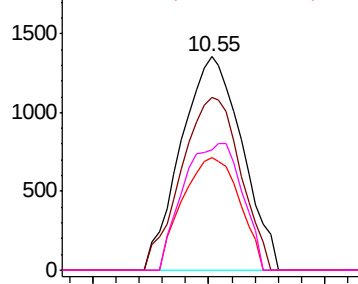


Abundance Ion 96.90 (96.60 to 97.60): VNO

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: 0.810 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

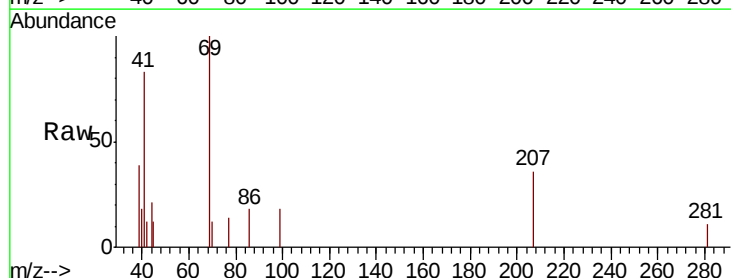
Tgt Ion: 69 Resp: 3091

Ion Ratio Lower Upper

69 100

41 77.1 55.4 83.2

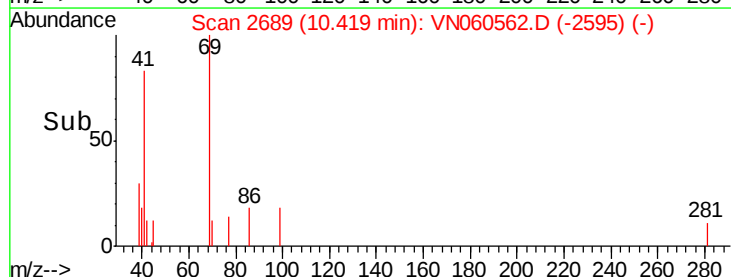
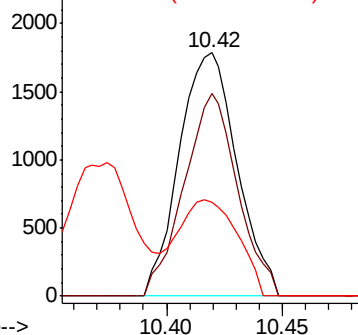
39 41.3 29.4 44.0

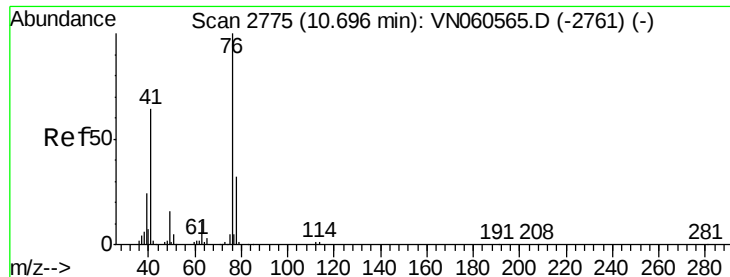


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 0.901 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

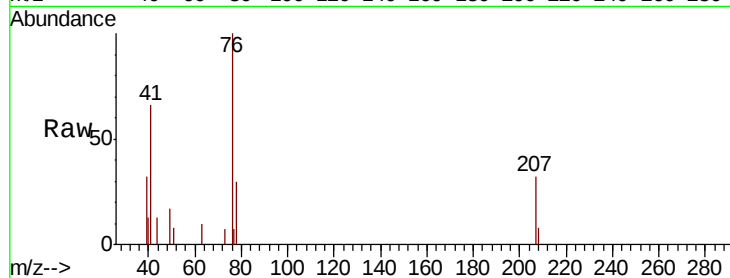
VSTDIC001

Tot Ion: 76 Resp: 3887

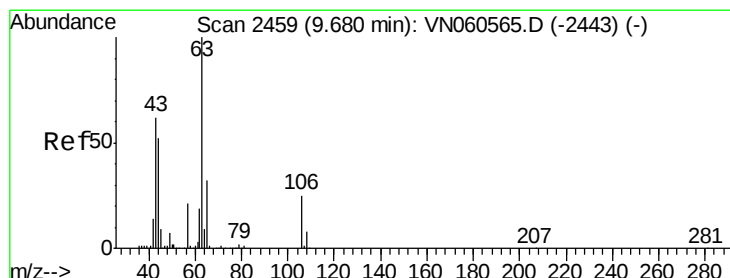
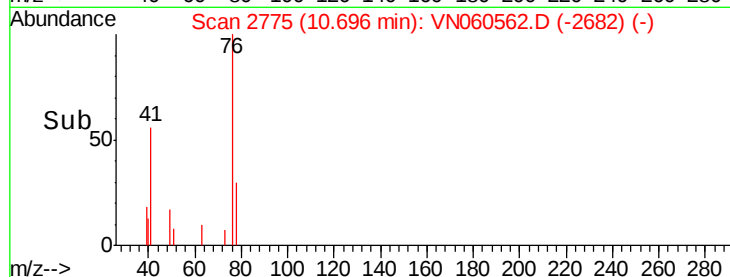
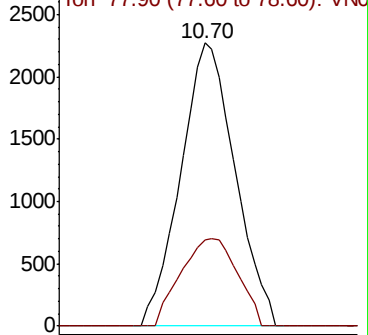
Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060562.D (-2761) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 4.288 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN060562.D

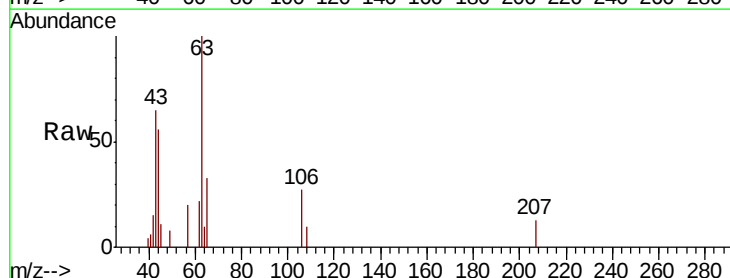
Acq: 17 Mar 2020 17:42

Tgt Ion: 63 Resp: 8516

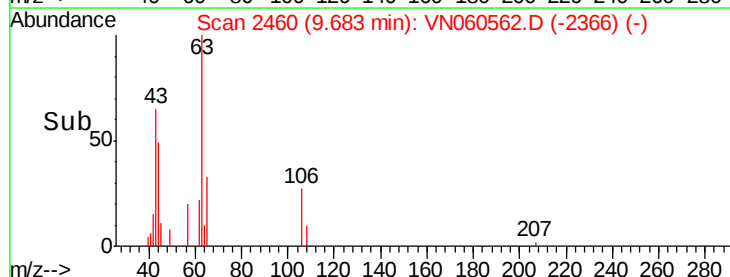
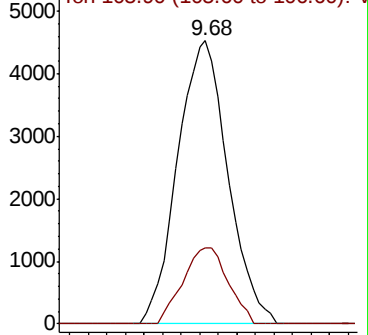
Ion Ratio Lower Upper

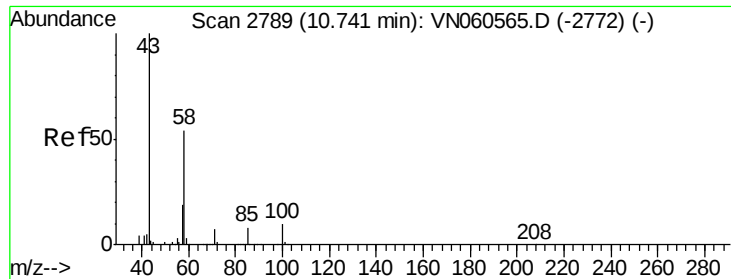
63 100

106 24.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060562.D (-2366) (-)

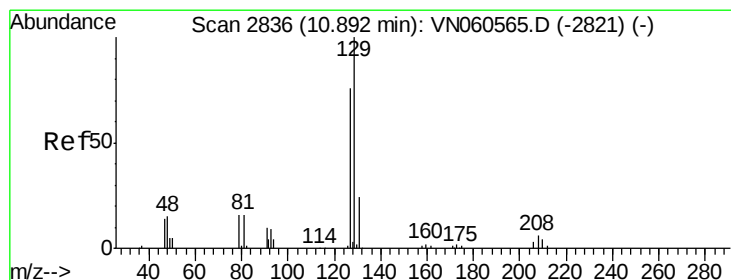
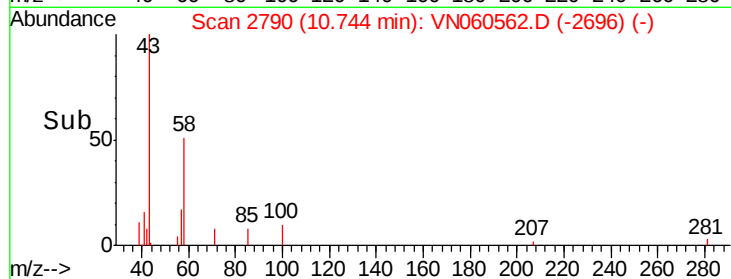
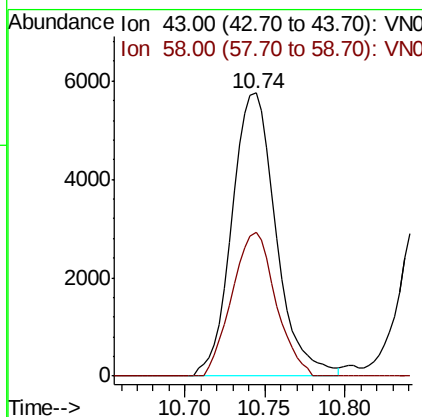
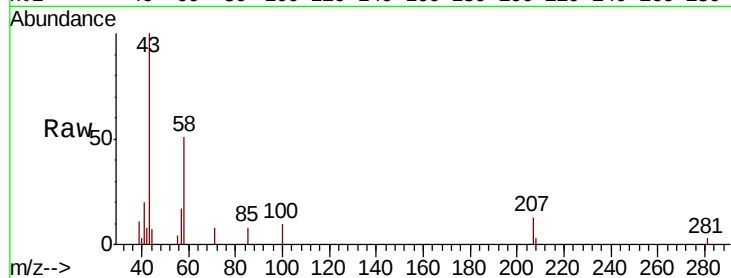




#59
2-Hexanone
Concen: 4.319 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

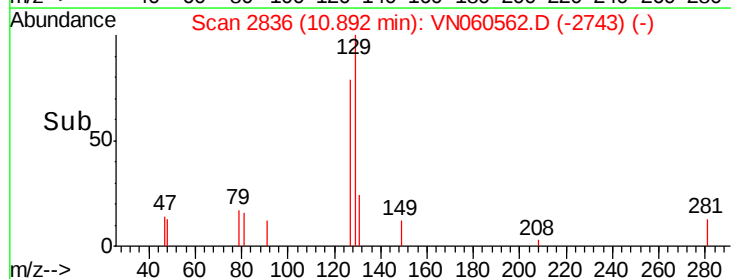
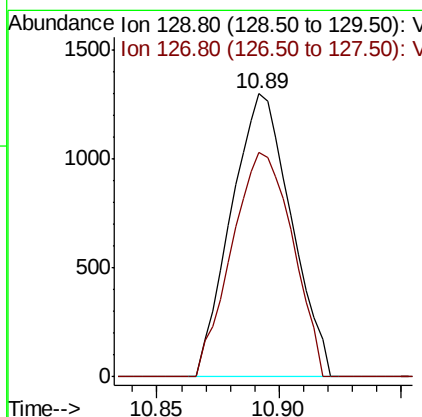
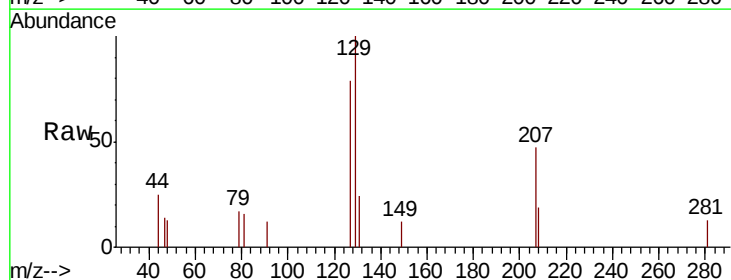
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

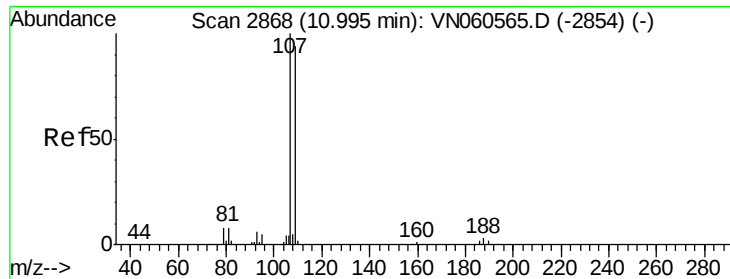
Tot Ion: 43 Resp: 10812
Ion Ratio Lower Upper
43 100
58 50.1 26.7 80.1



#60
Dibromochloromethane
Concen: 0.827 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 129 Resp: 2211
Ion Ratio Lower Upper
129 100
127 80.6 38.5 115.5

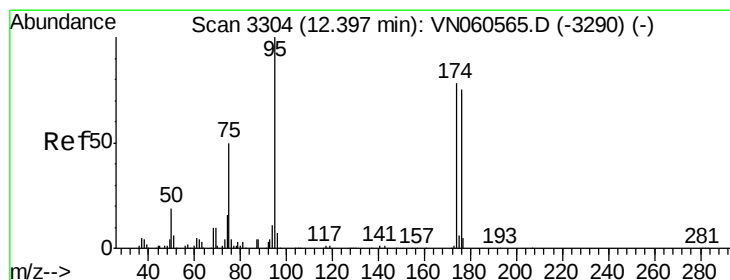
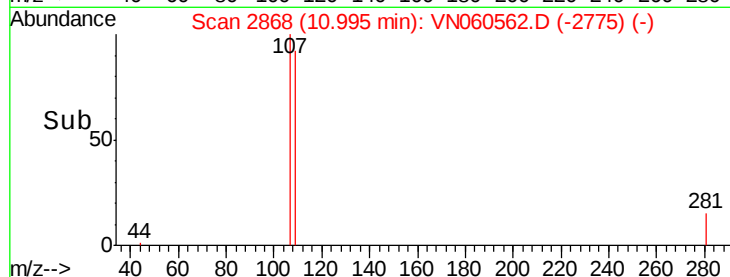
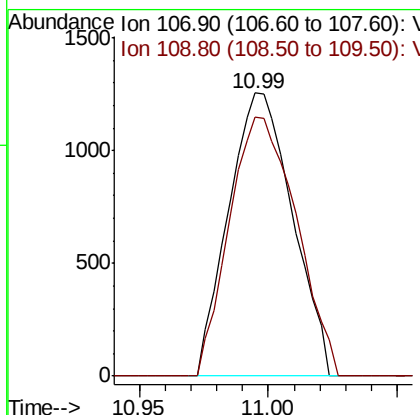
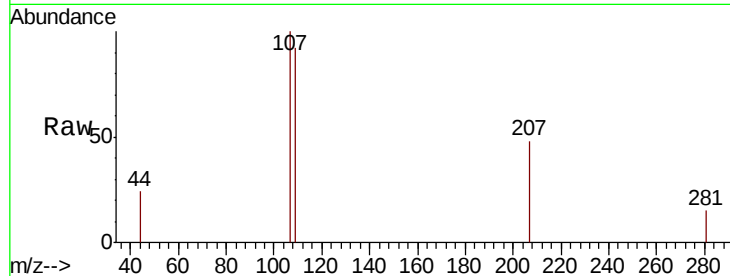




#61
 1,2-Dibromoethane
 Concen: 0.842 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

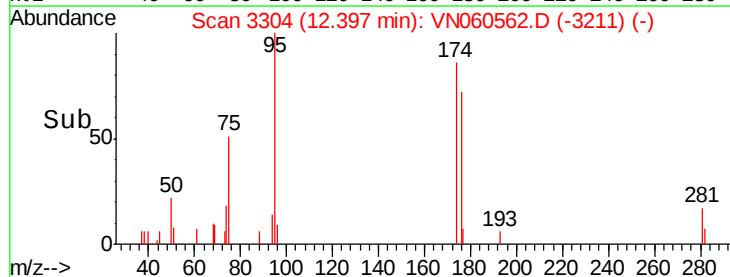
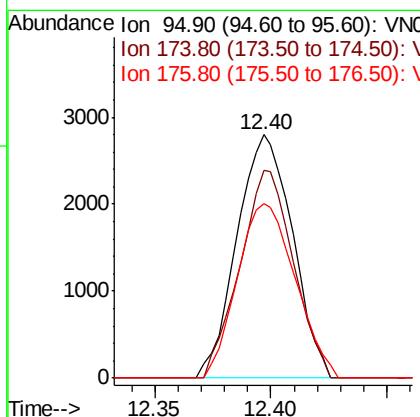
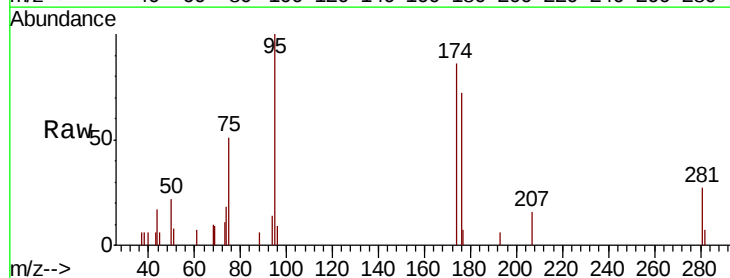
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:107 Resp: 2164
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 1.379 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion: 95 Resp: 4654
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 157.6
 176 74.9 0.0 150.6

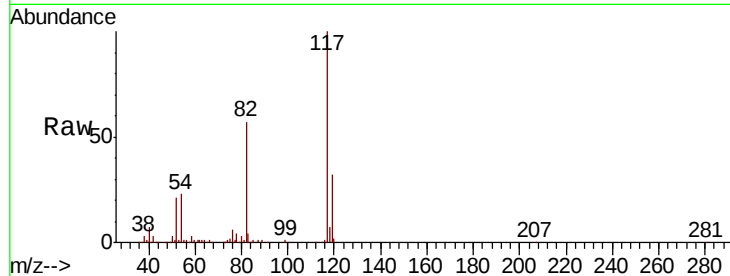




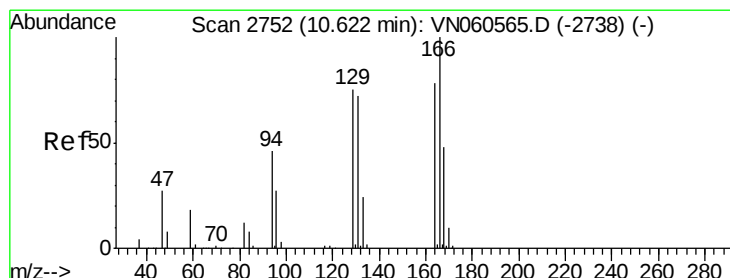
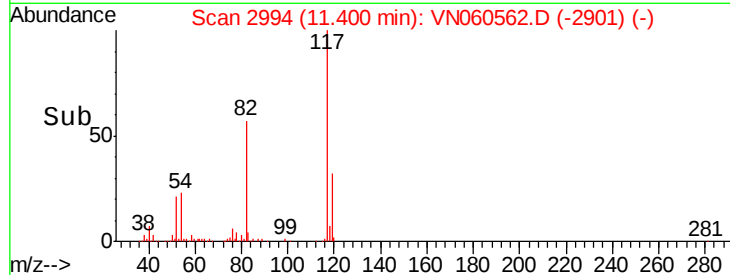
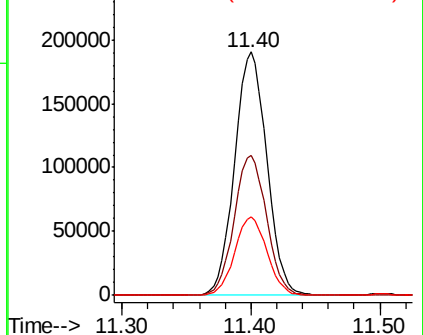
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 330556
Ion Ratio Lower Upper
117 100
82 57.4 46.7 70.1
119 32.0 25.5 38.3

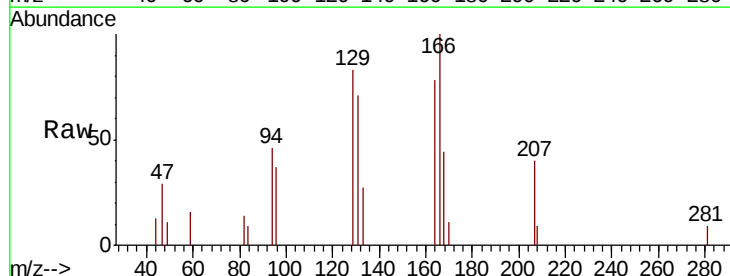


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

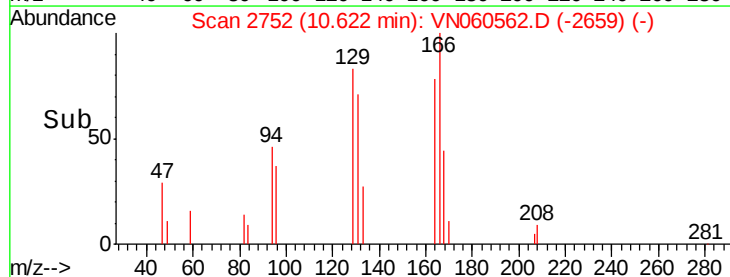
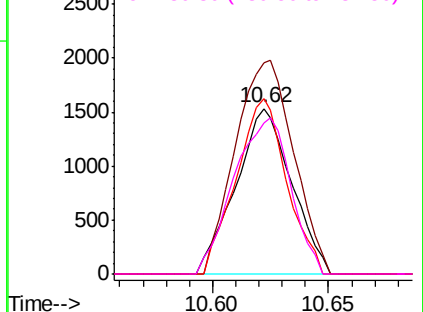


#64
Tetrachloroethene
Concen: 0.877 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion:164 Resp: 2564
Ion Ratio Lower Upper
164 100
166 127.8 102.7 154.1
129 106.3 77.2 115.8
131 91.1 73.8 110.6



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

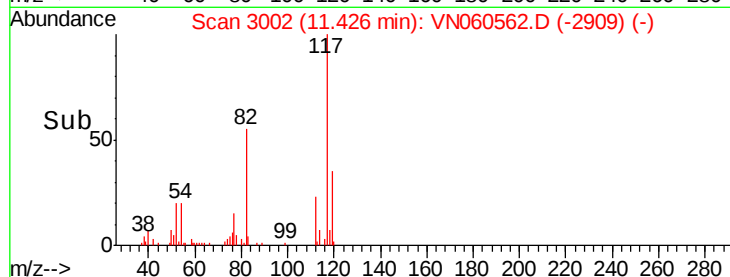
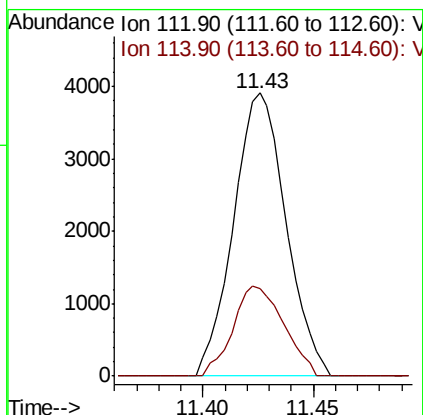
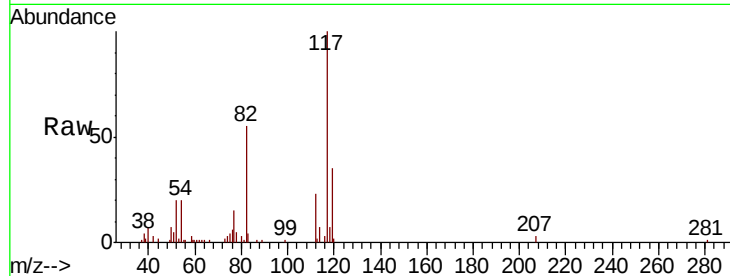




#65
Chlorobenzene
Concen: 0.963 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

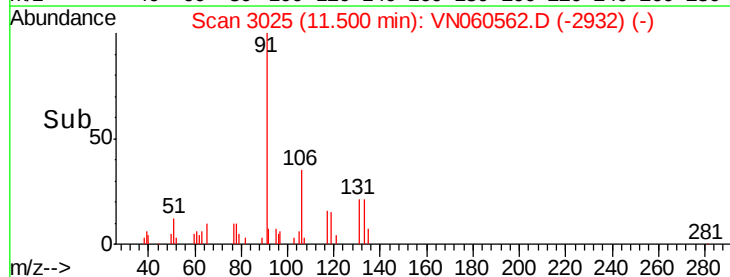
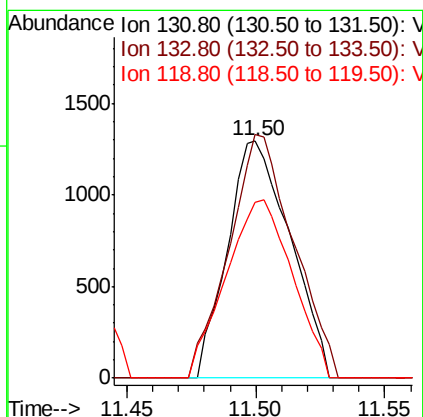
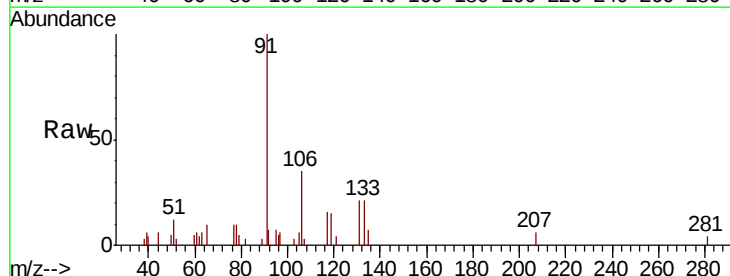
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:112 Resp: 6452
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 0.889 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion:131 Resp: 2190
Ion Ratio Lower Upper
131 100
133 105.8 48.9 146.8
119 0.0 33.9 101.7#

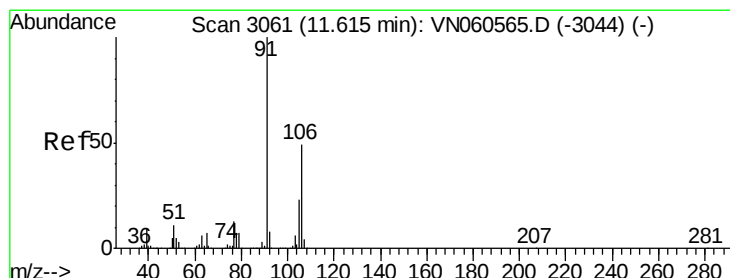
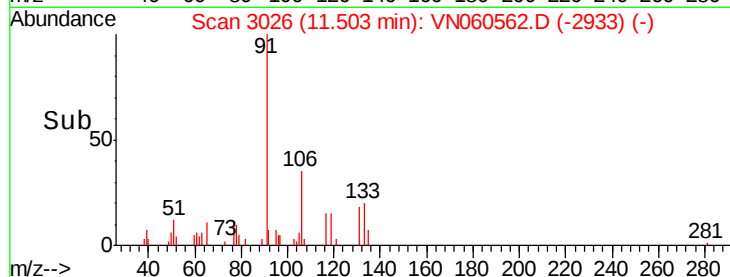
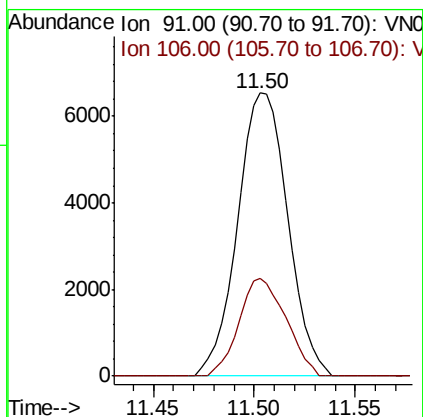
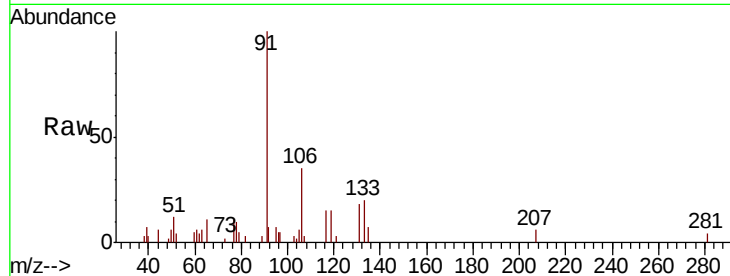




#67
Ethyl Benzene
Concen: 0.930 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

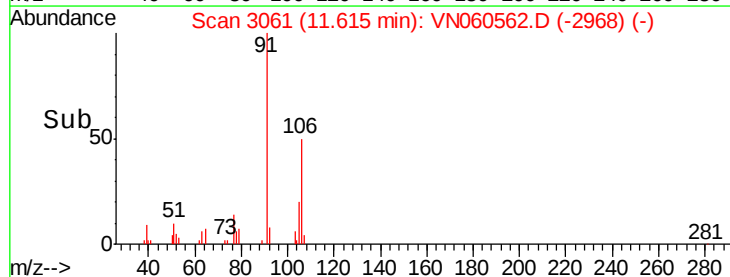
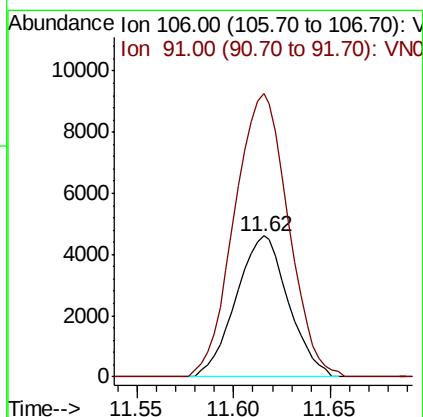
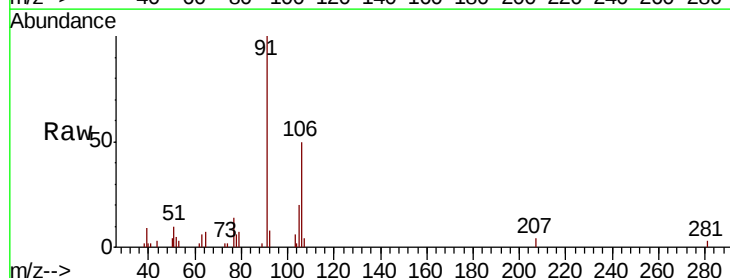
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 11401
Ion Ratio Lower Upper
91 100
106 34.5 24.2 36.2



#68
m/p-Xylenes
Concen: 1.872 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion: 106 Resp: 8657
Ion Ratio Lower Upper
106 100
91 207.0 165.0 247.4

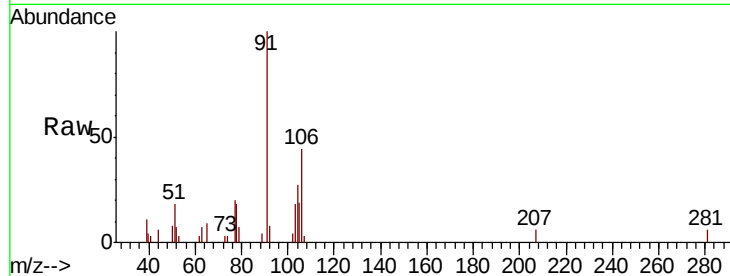




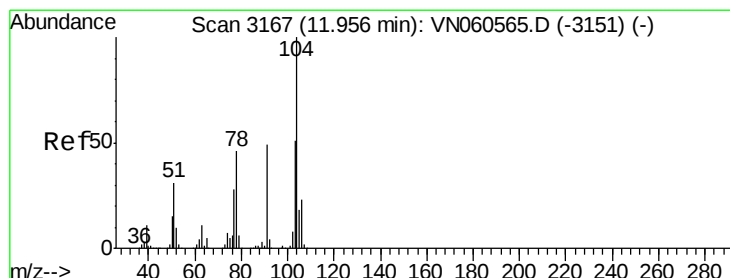
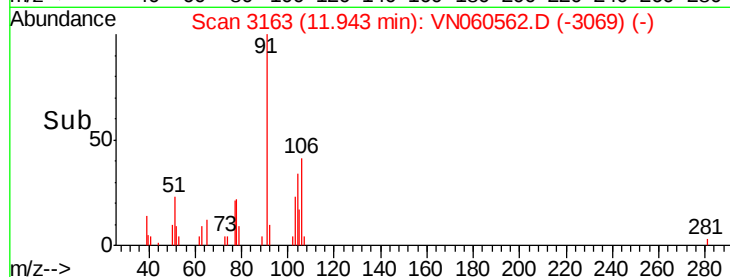
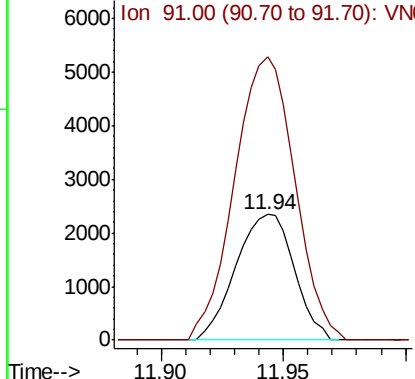
#69
o-Xylene
Concen: 0.882 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 3887
Ion Ratio Lower Upper
106 100
91 232.6 109.5 328.4

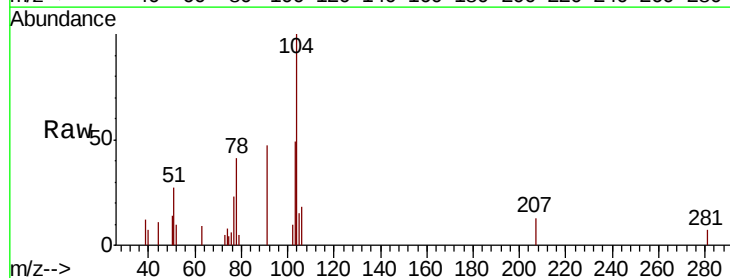


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

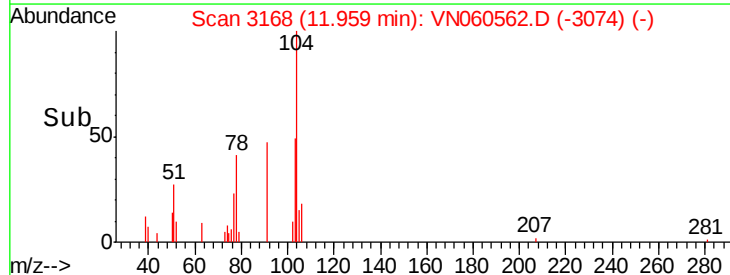
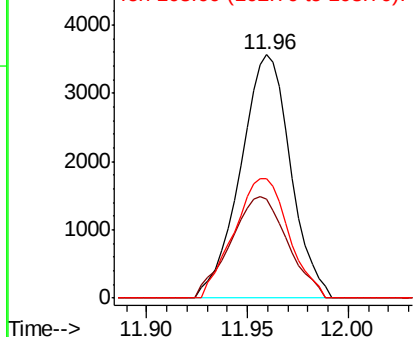


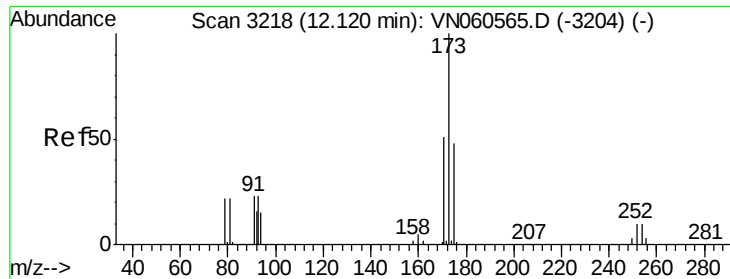
#70
Styrene
Concen: 0.855 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion:104 Resp: 6187
Ion Ratio Lower Upper
104 100
78 47.4 41.2 61.8
103 53.6 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.703 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

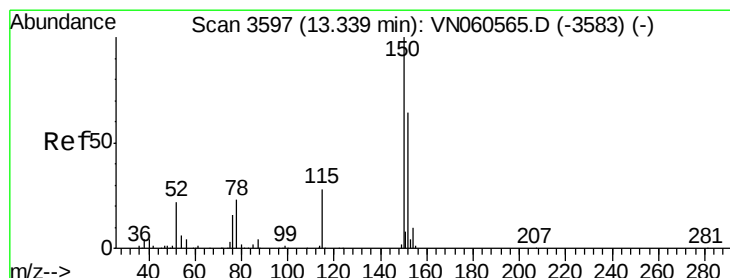
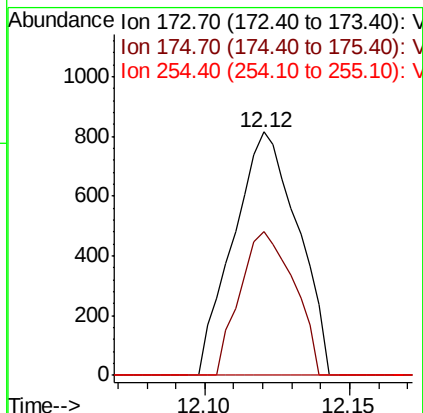
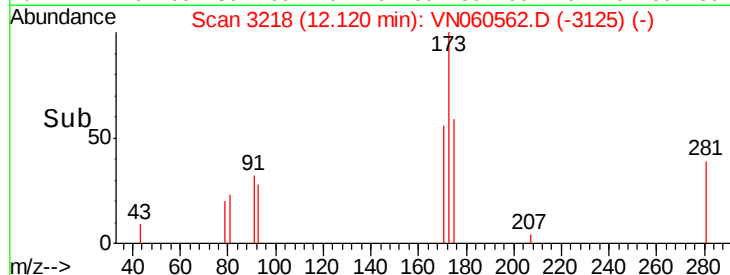
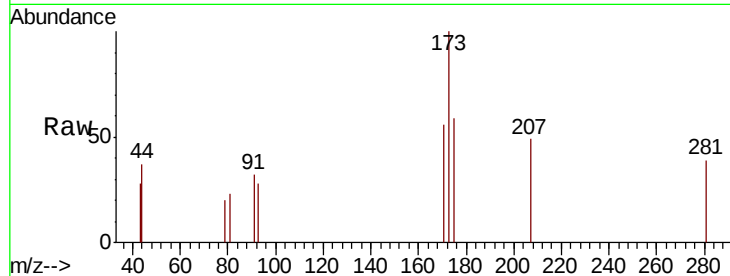
Tot Ion:173 Resp: 1256

Ion Ratio Lower Upper

173 100

175 49.7 24.1 72.4

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

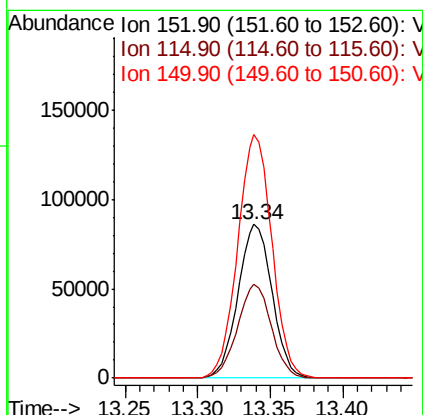
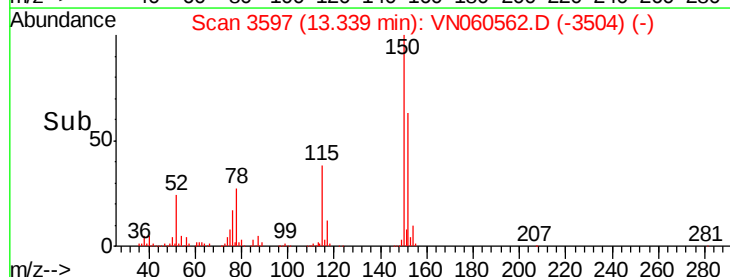
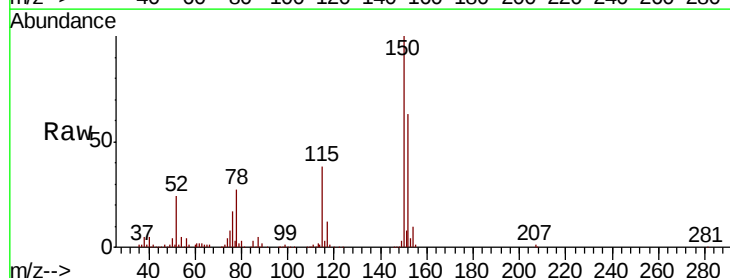
Tgt Ion:152 Resp: 140835

Ion Ratio Lower Upper

152 100

115 60.4 30.2 90.6

150 158.4 0.0 350.2





#73

Isopropylbenzene

Concen: 1.008 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

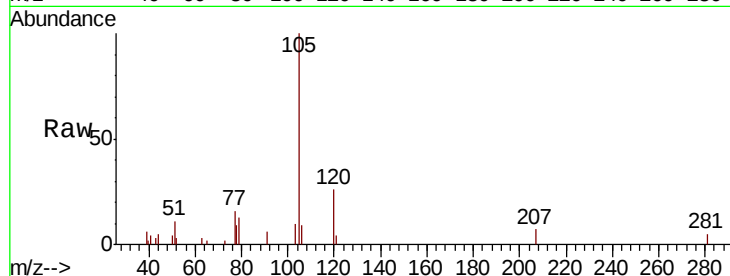
VSTDIC001

Tot Ion: 105 Resp: 10613

Ion Ratio Lower Upper

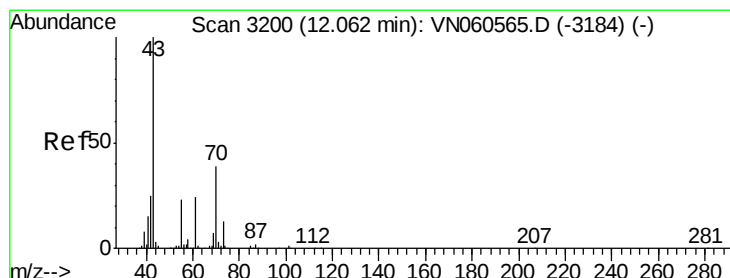
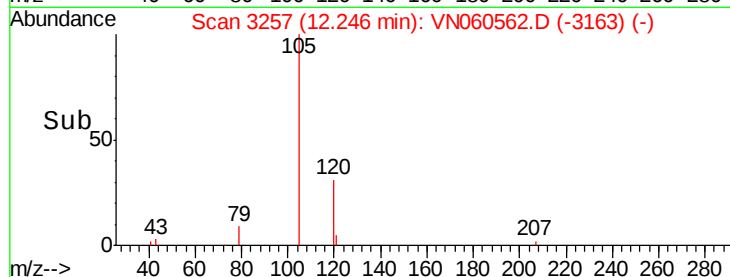
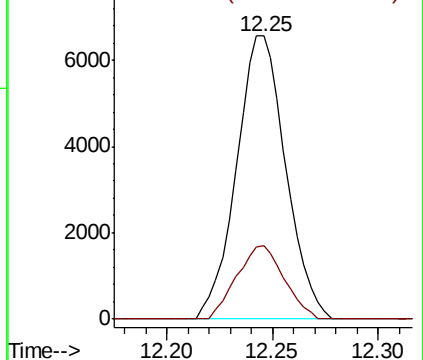
105 100

120 25.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.046 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Tgt Ion: 43 Resp: 4869

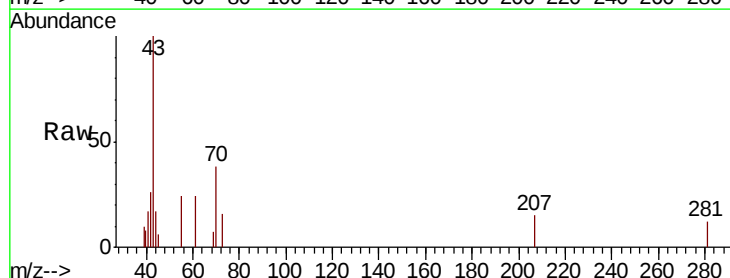
Ion Ratio Lower Upper

43 100

70 32.7 31.1 46.7

55 18.7 18.6 27.8

61 20.1 18.9 28.3

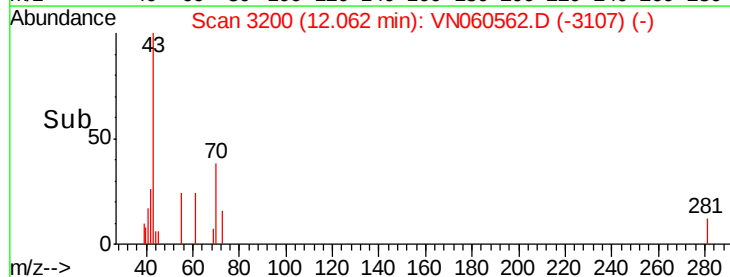
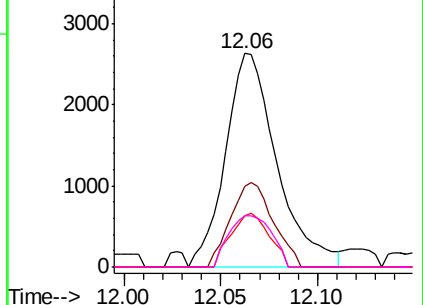


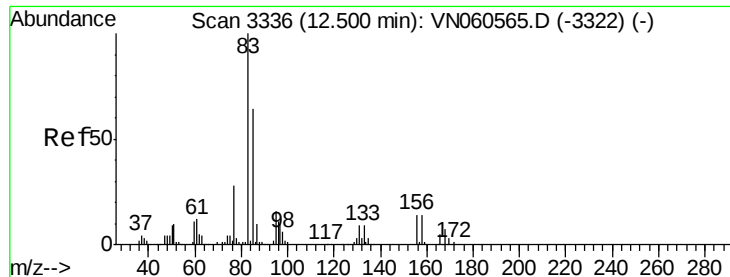
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.098 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

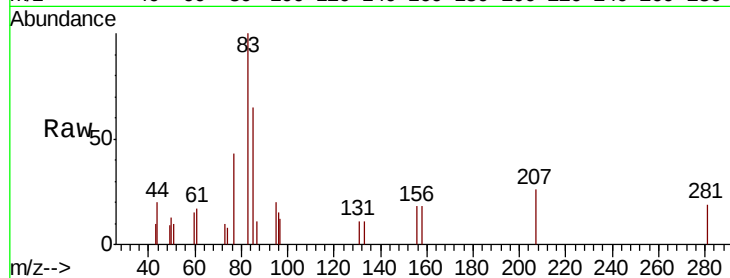
Tot Ion: 83 Resp: 3190

Ion Ratio Lower Upper

83 100

131 4.8 4.9 14.7#

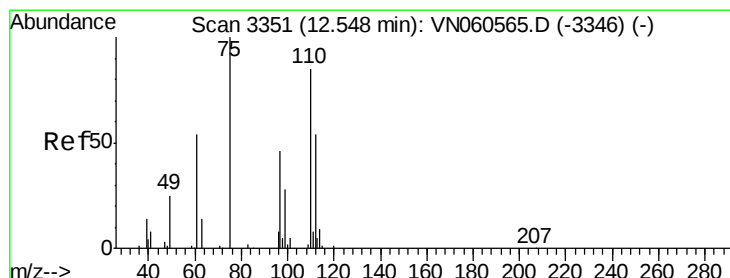
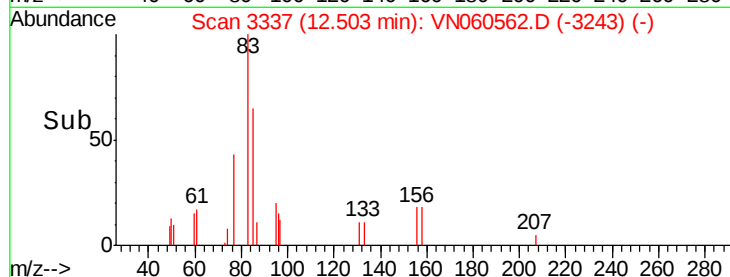
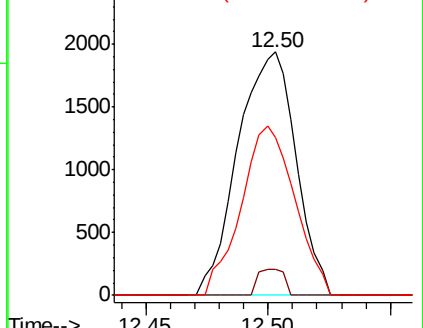
85 64.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060562.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060562.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060562.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 1.446 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060562.D

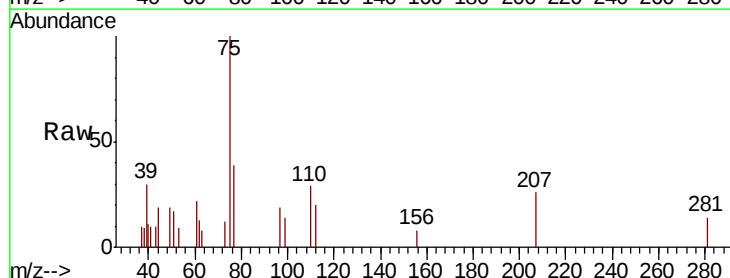
Acq: 17 Mar 2020 17:42

Tgt Ion: 75 Resp: 4451

Ion Ratio Lower Upper

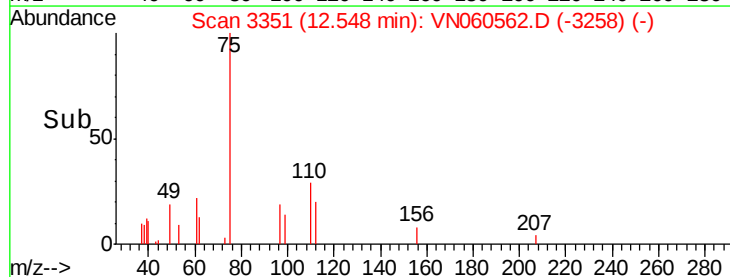
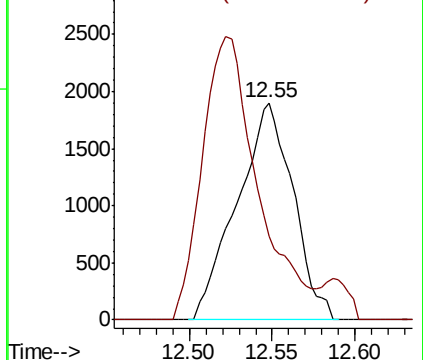
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060562.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060562.D (-3346) (-)





#77

Bromobenzene

Concen: 1.003 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

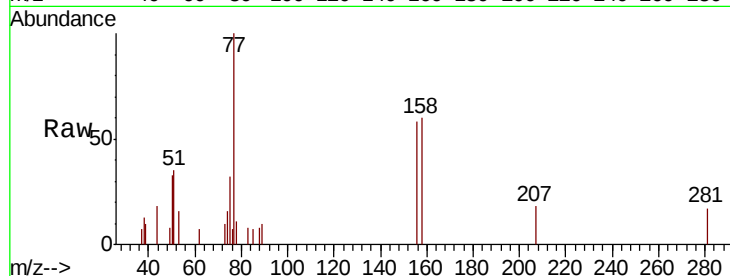
Tot Ion:156 Resp: 2582

Ion Ratio Lower Upper

156 100

77 222.3 112.3 337.0

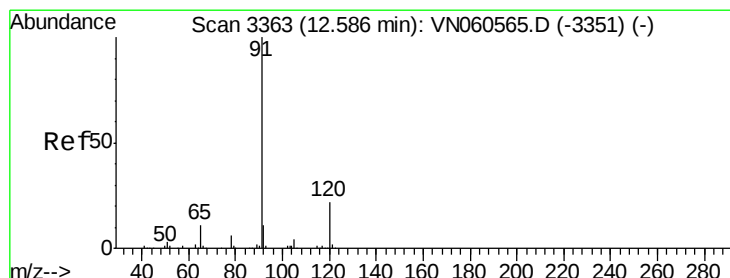
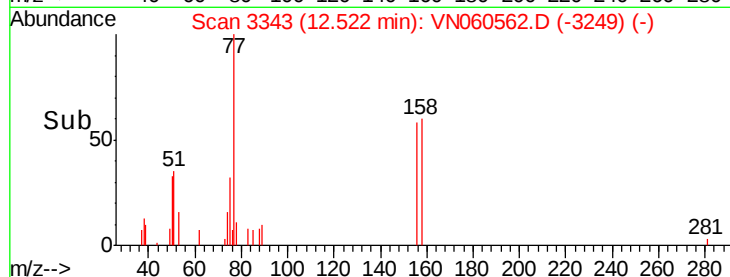
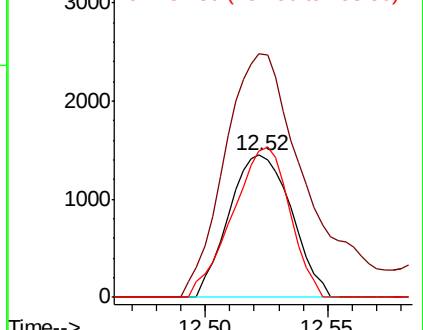
158 96.4 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.016 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060562.D

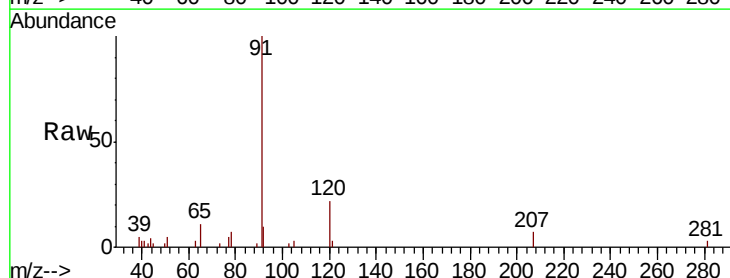
Acq: 17 Mar 2020 17:42

Tgt Ion: 91 Resp: 12570

Ion Ratio Lower Upper

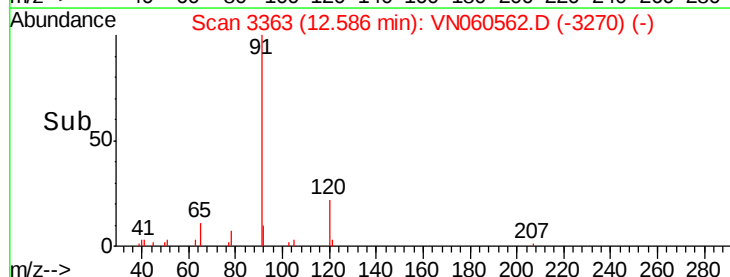
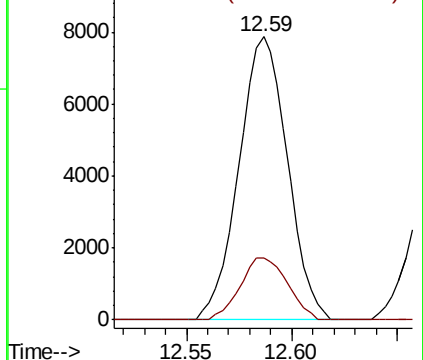
91 100

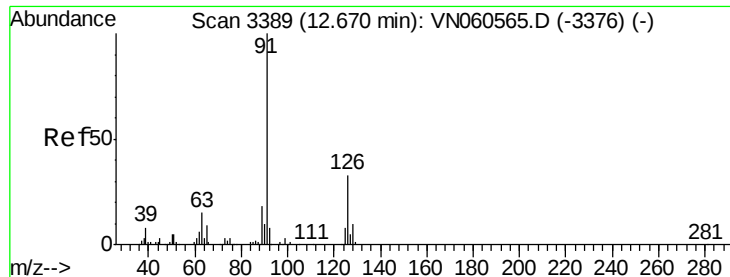
120 21.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.067 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

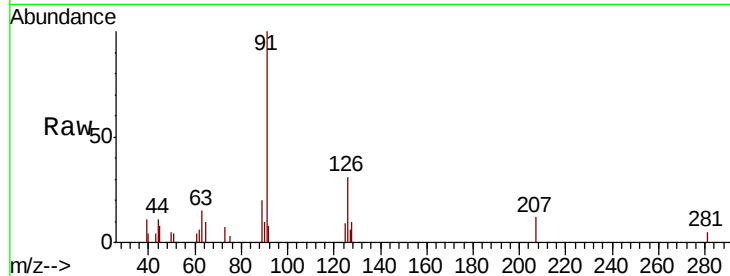
VSTDIC001

Tot Ion: 91 Resp: 7778

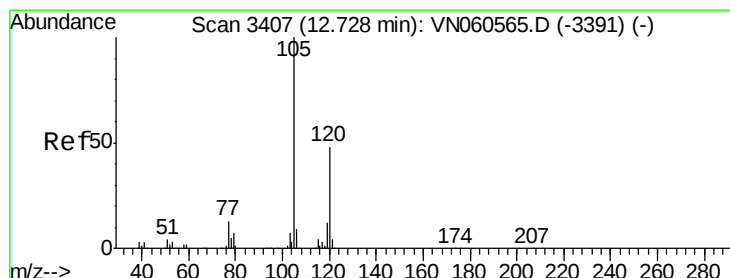
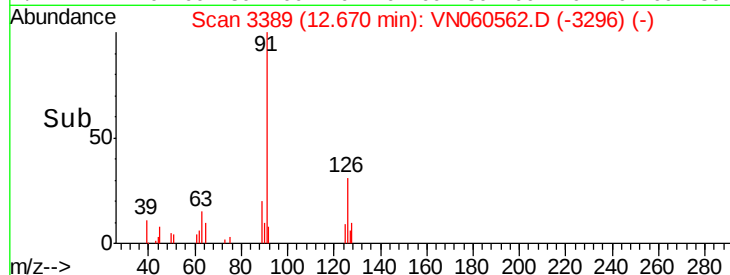
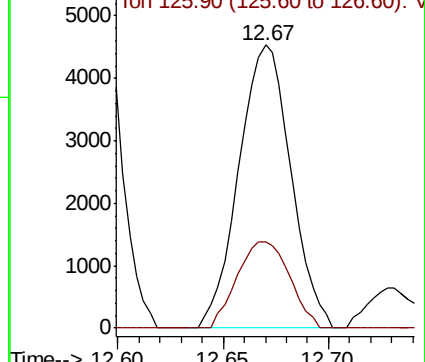
Ion Ratio Lower Upper

91 100

126 30.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.012 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060562.D

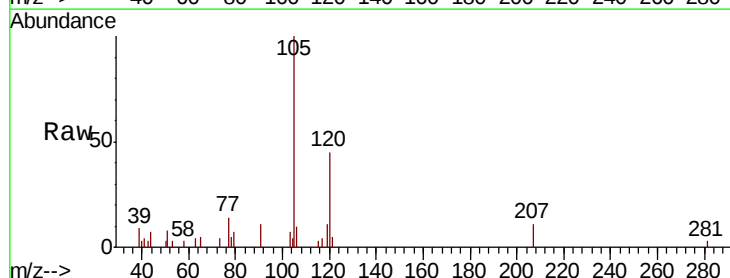
Acq: 17 Mar 2020 17:42

Tgt Ion: 105 Resp: 8981

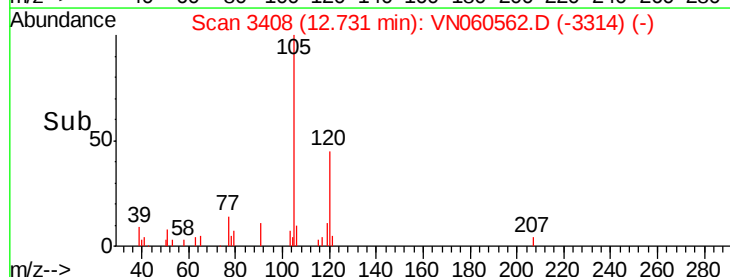
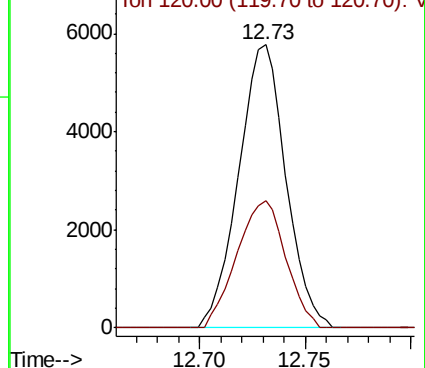
Ion Ratio Lower Upper

105 100

120 46.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 0.910 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

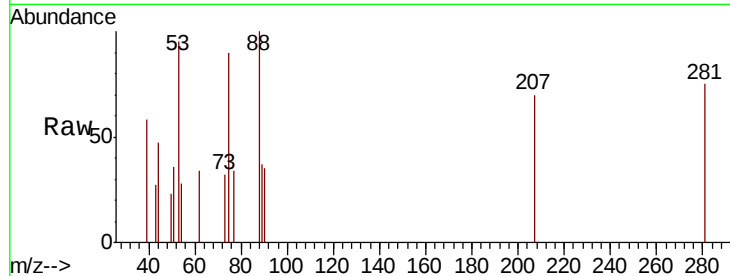
Tot Ion: 75 Resp: 1031

Ion Ratio Lower Upper

75 100

53 86.7 73.0 109.4

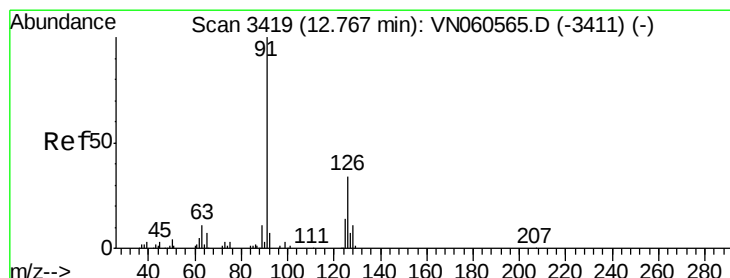
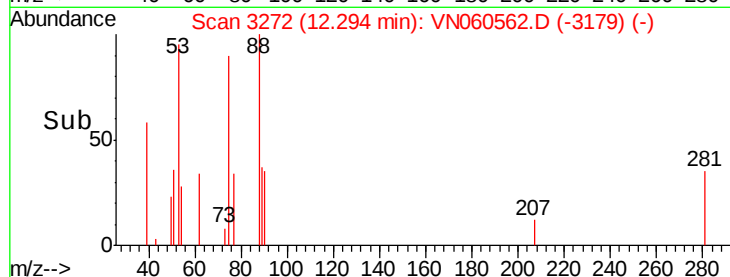
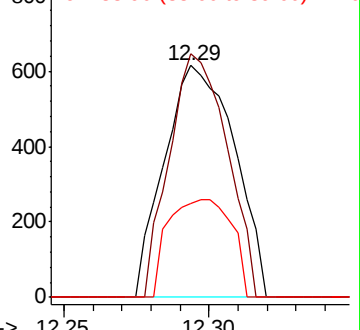
89 37.8 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.978 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060562.D

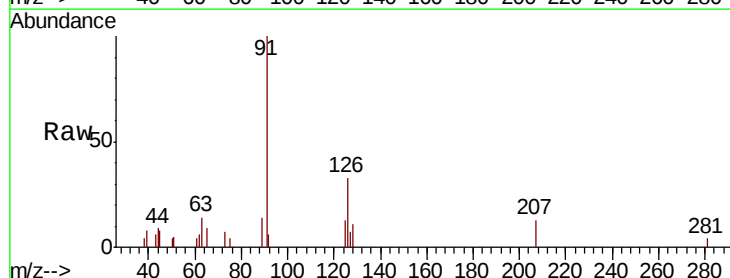
Acq: 17 Mar 2020 17:42

Tgt Ion: 91 Resp: 7496

Ion Ratio Lower Upper

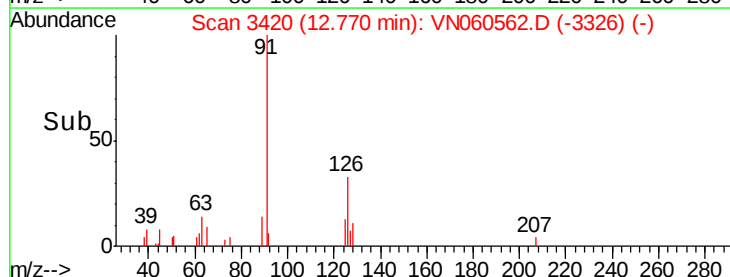
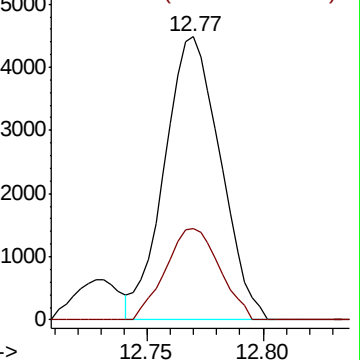
91 100

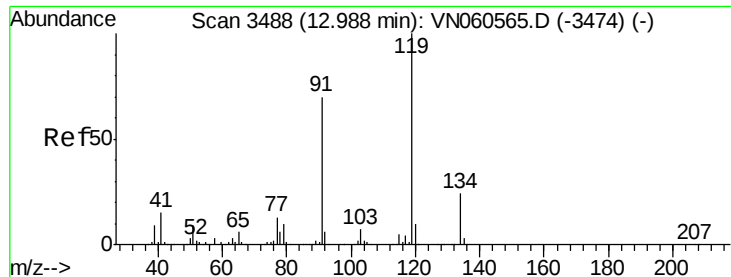
126 31.2 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

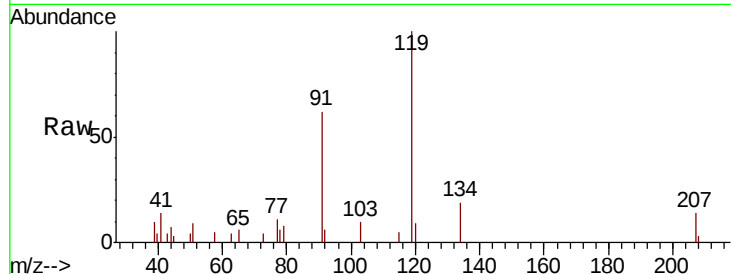




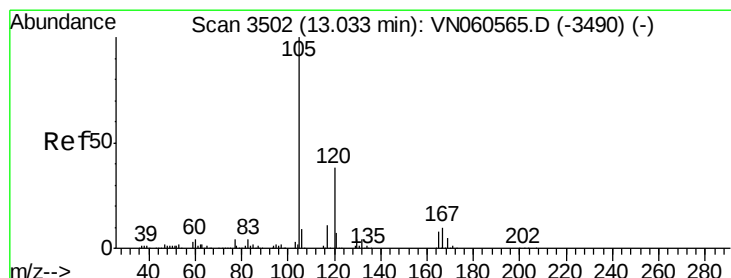
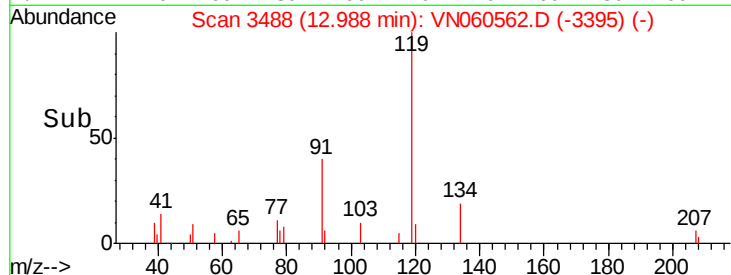
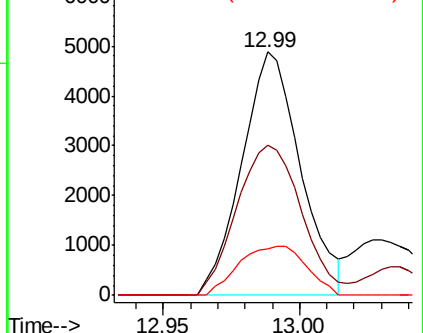
#83
tert-Butylbenzene
Concen: 0.955 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:119 Resp: 7287
Ion Ratio Lower Upper
119 100
91 68.5 34.0 101.8
134 23.3 12.7 38.0

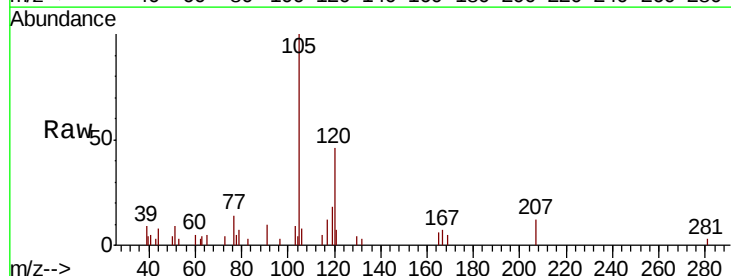


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

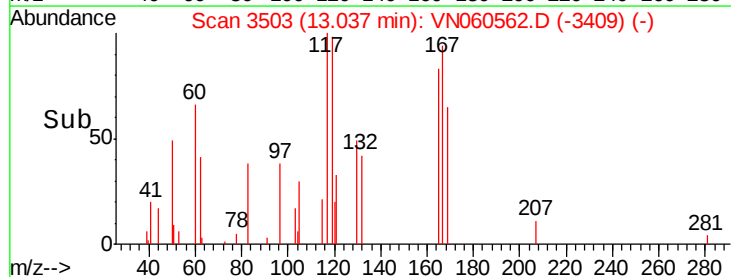
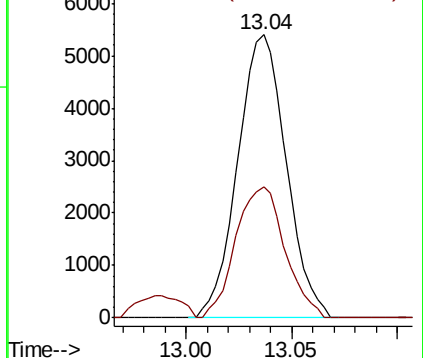


#84
1,2,4-Trimethylbenzene
Concen: 0.965 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion:105 Resp: 8625
Ion Ratio Lower Upper
105 100
120 47.0 22.1 66.5



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

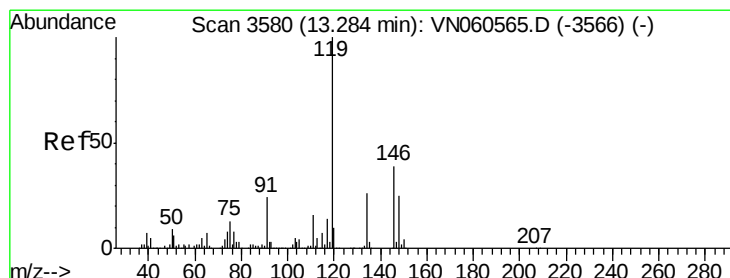
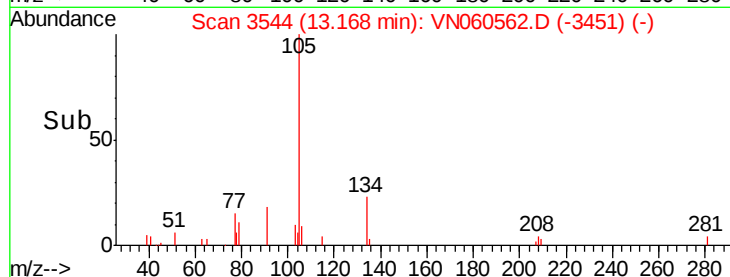
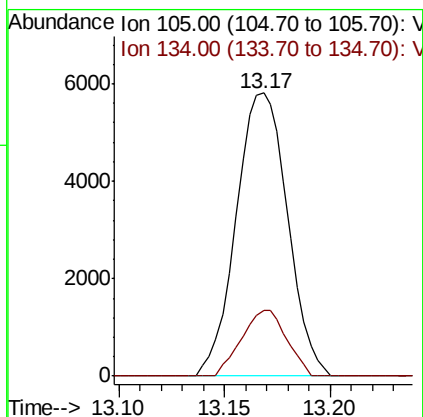
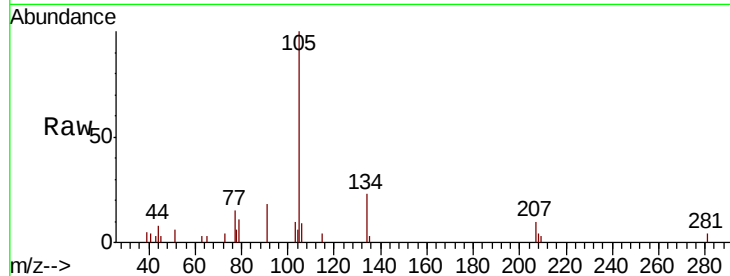




#85
 sec-Butylbenzene
 Concen: 0.960 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

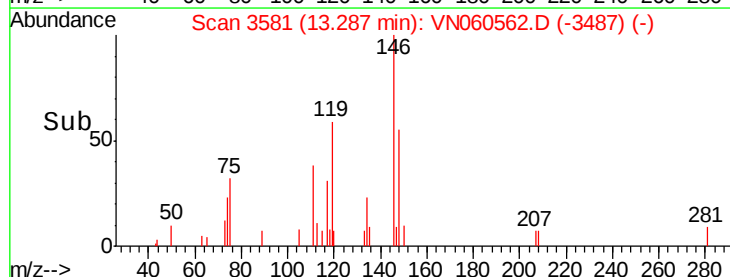
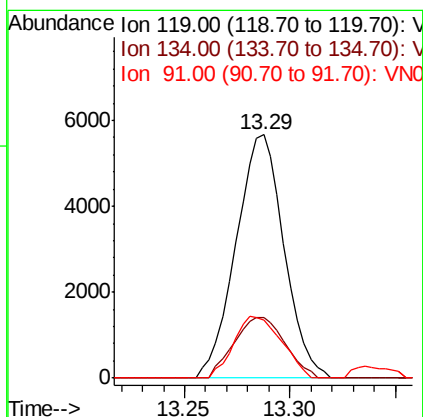
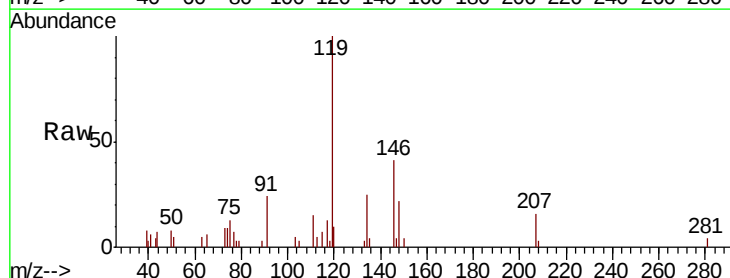
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

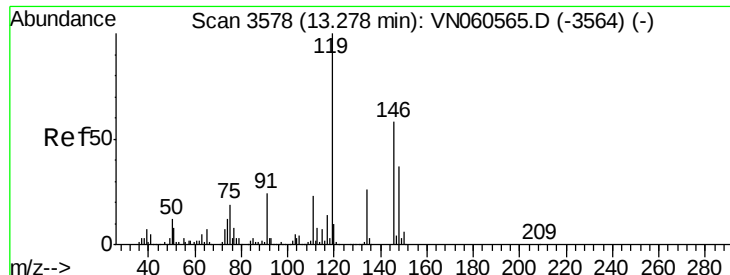
Tot Ion:105 Resp: 9829
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 0.947 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060562.D
 Acq: 17 Mar 2020 17:42

Tgt Ion:119 Resp: 8954
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.0 39.0
 91 25.1 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 0.944 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

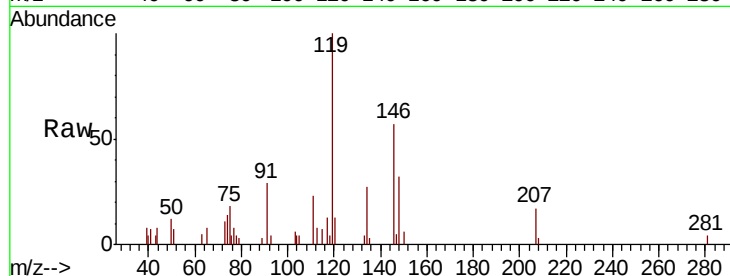
Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:146 Resp: 4542

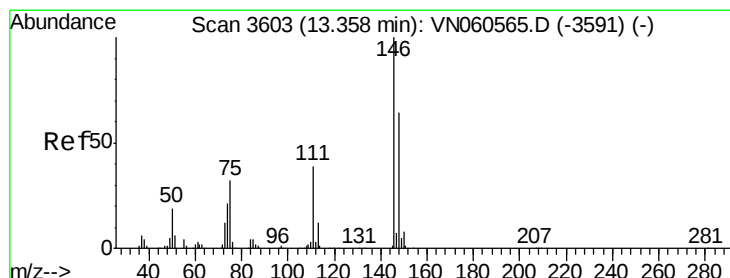
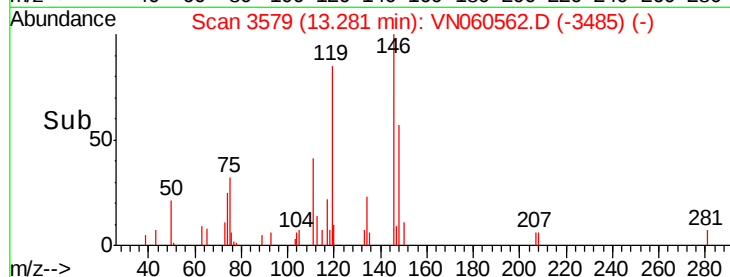
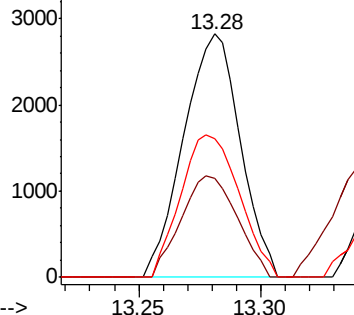
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	60.7	32.5	97.4



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



#88

1,4-Dichlorobenzene

Concen: 0.946 ug/l

RT: 13.28 min Scan# 3579

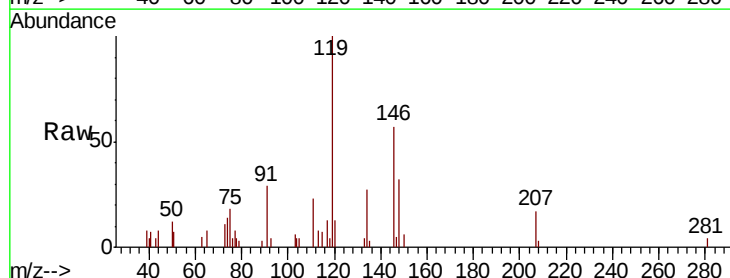
Delta R.T. -0.08 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Tgt Ion:146 Resp: 4542

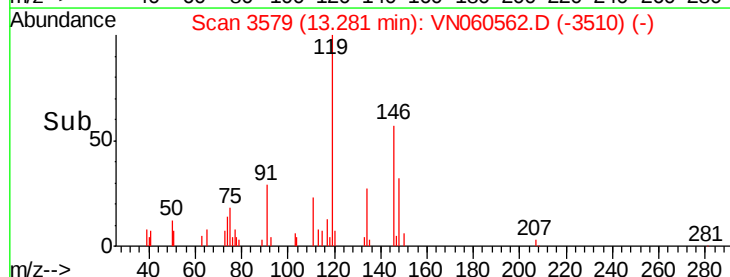
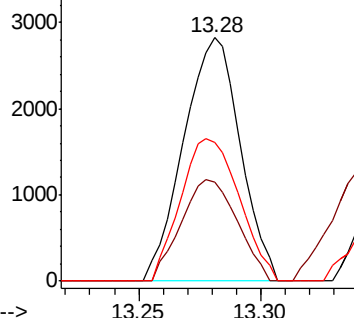
Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.6	58.7
148	60.7	32.1	96.3

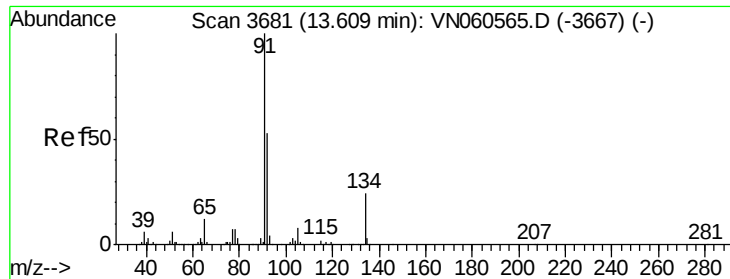


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.905 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

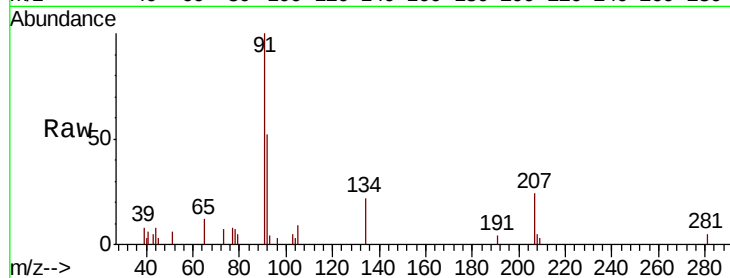
Tot Ion: 91 Resp: 7849

Ion Ratio Lower Upper

91 100

92 51.1 26.2 78.5

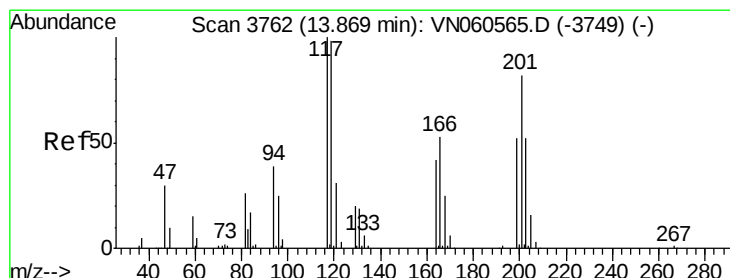
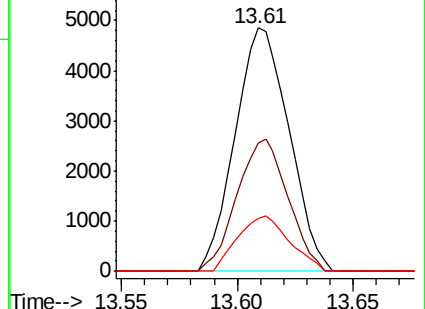
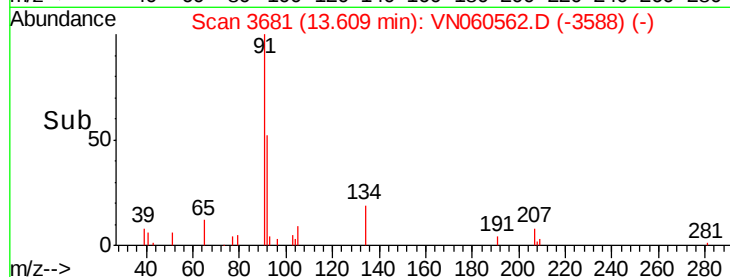
134 21.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN060562.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060562.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060562.D (-3667) (-)



#90

Hexachloroethane

Concen: 0.774 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060562.D

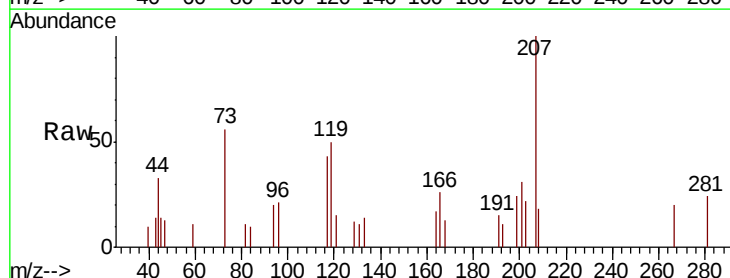
Acq: 17 Mar 2020 17:42

Tgt Ion: 117 Resp: 1058

Ion Ratio Lower Upper

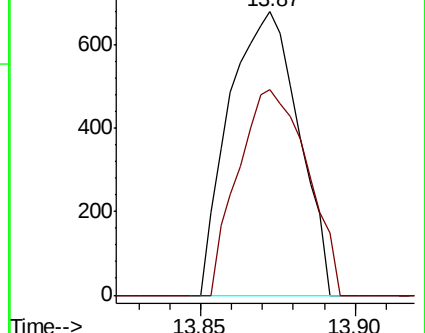
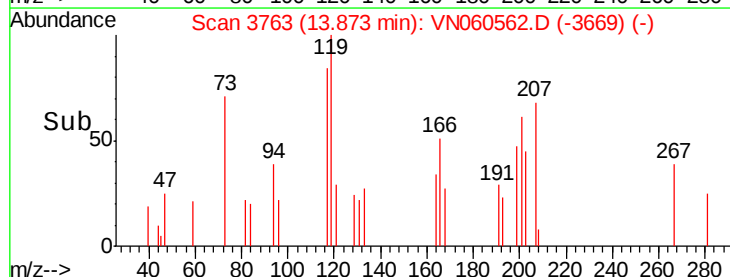
117 100

201 72.5 40.8 122.5



Abundance Ion 116.80 (116.50 to 117.50): VN060562.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060562.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 0.918 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

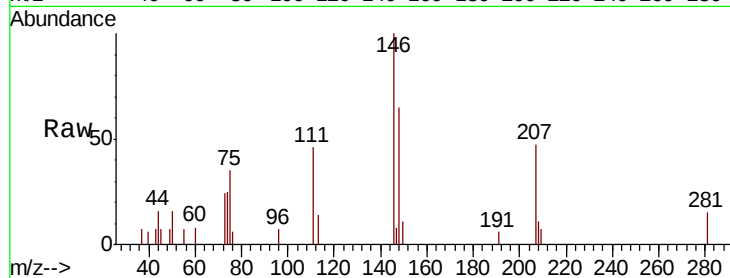
Tot Ion:146 Resp: 4132

Ion Ratio Lower Upper

146 100

111 45.6 21.0 63.0

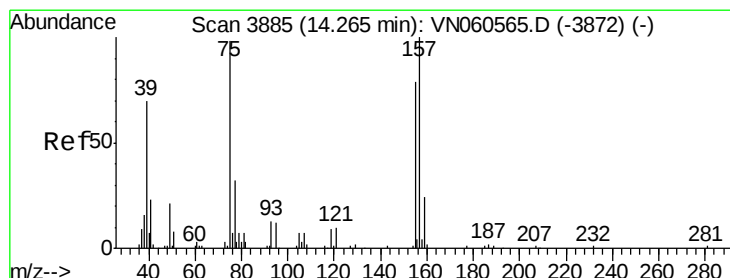
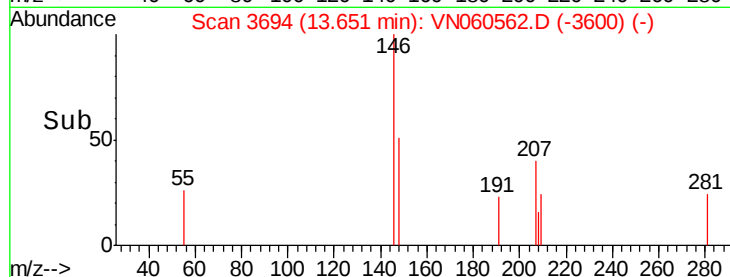
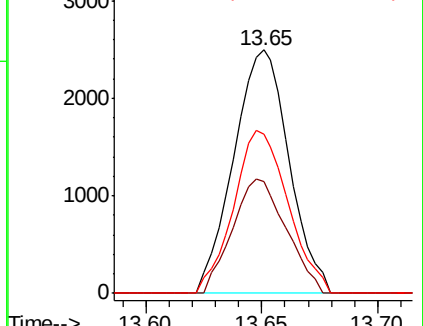
148 65.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.464 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

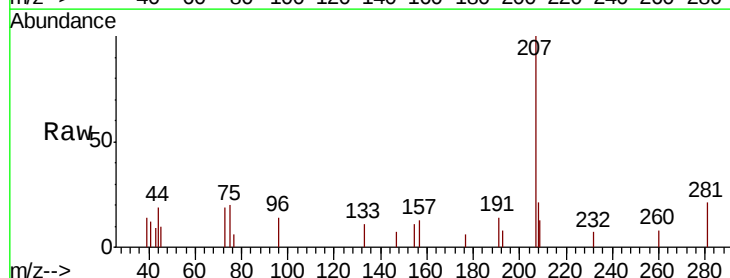
Tgt Ion: 75 Resp: 951

Ion Ratio Lower Upper

75 100

155 43.5 40.7 122.1

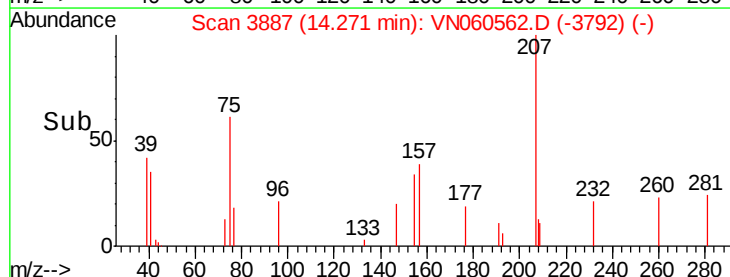
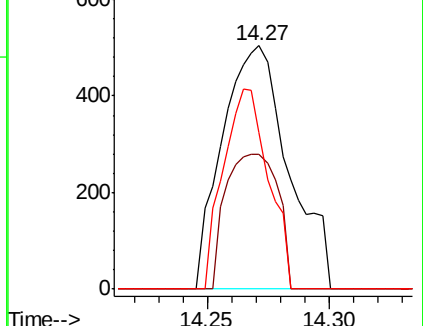
157 56.2 51.5 154.7

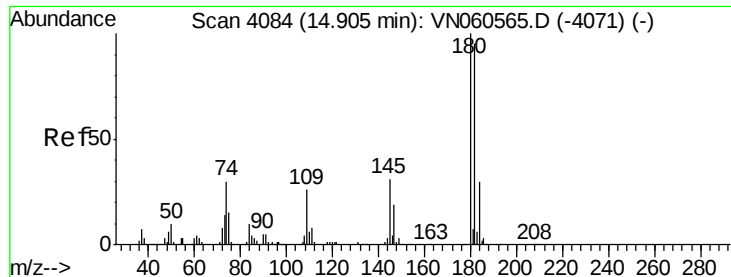


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

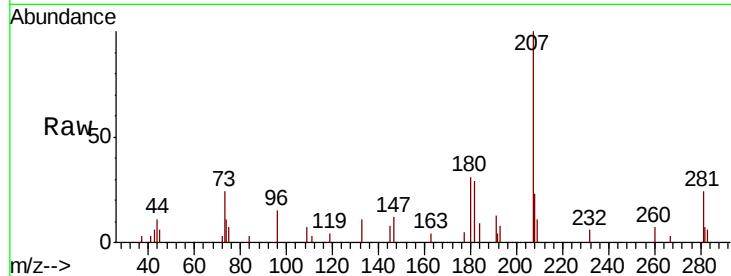




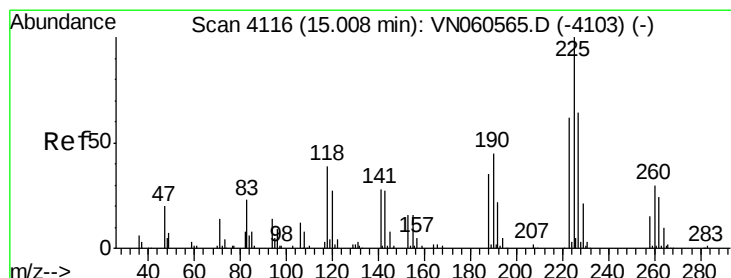
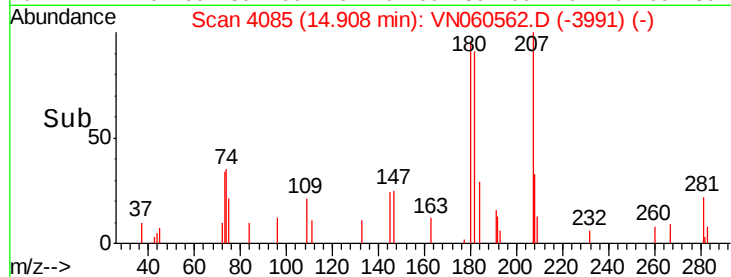
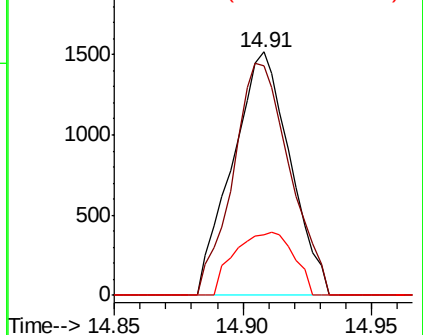
#93
1,2,4-Trichlorobenzene
Concen: 0.745 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:180 Resp: 2360
Ion Ratio Lower Upper
180 100
182 94.0 47.9 143.8
145 26.5 15.4 46.2

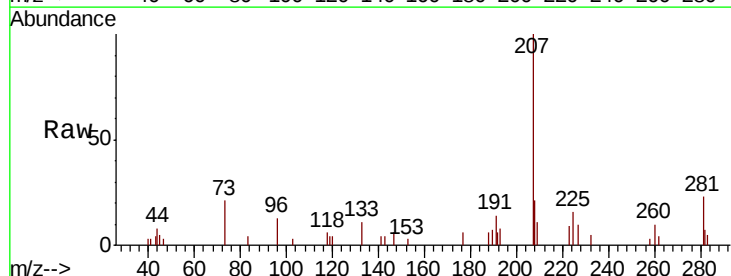


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

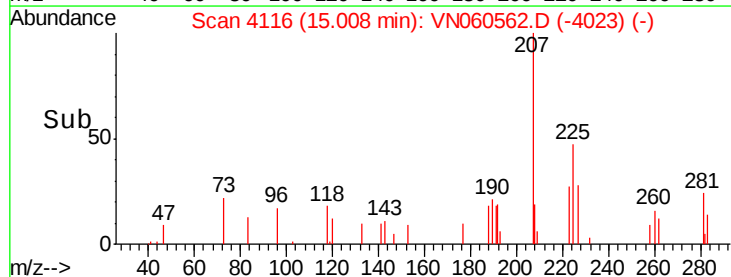
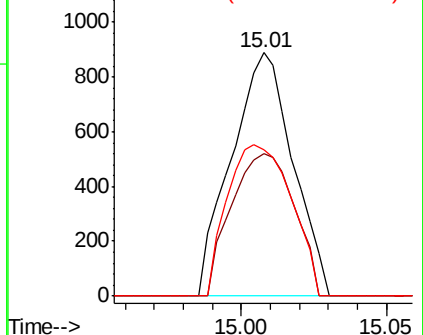


#94
Hexachlorobutadiene
Concen: 0.871 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN060562.D
Acq: 17 Mar 2020 17:42

Tgt Ion:225 Resp: 1310
Ion Ratio Lower Upper
225 100
223 59.8 31.6 95.0
227 64.6 32.3 96.8



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: 0.803 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

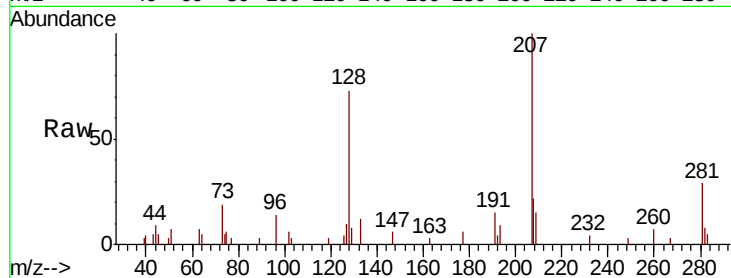
Tot Ion:128 Resp: 7347

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

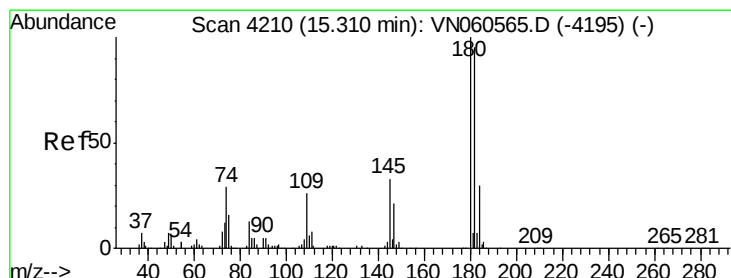
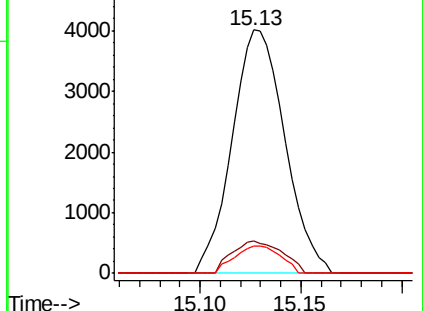
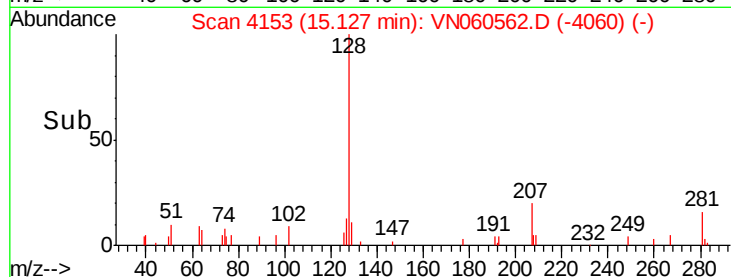
129 9.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.890 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060562.D

Acq: 17 Mar 2020 17:42

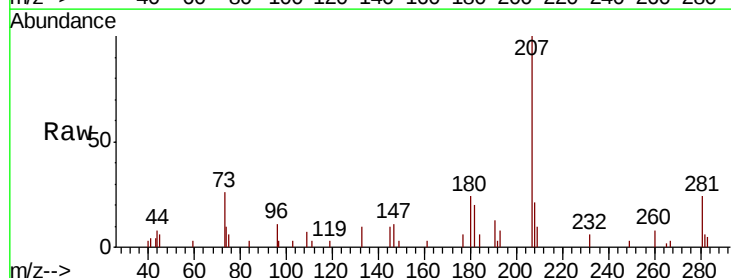
Tgt Ion:180 Resp: 2653

Ion Ratio Lower Upper

180 100

182 82.4 47.5 142.6

145 31.0 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

